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2012  
EDITION

## ENERGY BALANCES OF NON-OECD COUNTRIES



International  
Energy Agency

**2012**  
EDITION

## **ENERGY BALANCES OF NON-OECD COUNTRIES**

This volume contains data for 2009 and 2010 on the supply and consumption of coal, oil, natural gas, electricity, heat, renewables and waste presented as comprehensive energy balances. Data are expressed in thousand tonnes of oil equivalent for over 100 non-OECD countries.

Historical tables summarise production, trade and final consumption data as well as key energy and economic indicators. These tables also include preliminary estimates of 2011 production (and trade when available) for natural gas, primary coal and oil. This book includes definitions of products and flows, explanatory notes on the individual country data and conversion factors from original units to energy units.

More detailed data in original units are published in the 2012 edition of *Energy Statistics of Non-OECD Countries*, the sister volume of this publication.

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EDITION

**ENERGY BALANCES  
OF NON-OECD COUNTRIES**

# INTERNATIONAL ENERGY AGENCY

The International Energy Agency (IEA), an autonomous agency, was established in November 1974. Its primary mandate was – and is – two-fold: to promote energy security amongst its member countries through collective response to physical disruptions in oil supply, and provide authoritative research and analysis on ways to ensure reliable, affordable and clean energy for its 28 member countries and beyond. The IEA carries out a comprehensive programme of energy co-operation among its member countries, each of which is obliged to hold oil stocks equivalent to 90 days of its net imports. The Agency's aims include the following objectives:

- Secure member countries' access to reliable and ample supplies of all forms of energy; in particular, through maintaining effective emergency response capabilities in case of oil supply disruptions.
- Promote sustainable energy policies that spur economic growth and environmental protection in a global context – particularly in terms of reducing greenhouse-gas emissions that contribute to climate change.
- Improve transparency of international markets through collection and analysis of energy data.
  - Support global collaboration on energy technology to secure future energy supplies and mitigate their environmental impact, including through improved energy efficiency and development and deployment of low-carbon technologies.
    - Find solutions to global energy challenges through engagement and dialogue with non-member countries, industry, international organisations and other stakeholders.

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**International  
Energy Agency**

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**International Energy Agency**  
9 rue de la Fédération  
75739 Paris Cedex 15, France  
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# ABBREVIATIONS

Btu:	British thermal unit
GWh:	gigawatt hour
kcal:	kilocalorie
kg:	kilogramme
kJ:	kilojoule
Mt:	million tonnes
m <sup>3</sup> :	cubic metre
t:	metric ton = tonne = 1000 kg
TJ:	terajoule
toe:	tonne of oil equivalent = 10 <sup>7</sup> kcal
CHP:	combined heat and power
GCV:	gross calorific value
GDP:	gross domestic product
HHV:	higher heating value = GCV
LHV:	lower heating value = NCV
NCV:	net calorific value
PPP:	purchasing power parity
TFC:	total final consumption
TPES:	total primary energy supply
AfDB:	African Development Bank
EU-27:	European Union - 27
FAO:	Food and Agriculture Organisation of the United Nations
IEA:	International Energy Agency
OECD:	Organisation for Economic Co-operation and Development
OLADE:	Organización Latinoamericana de Energía
UN:	United Nations
UNECE:	United Nations Economic Commission for Europe
IPCC:	Intergovernmental Panel on Climate Change
ISIC:	International Standard Industrial Classification
UNIPED:	International Union of Producers and Distributors of Electrical Energy
..	not available
-	nil
x	not applicable

# MULTILINGUAL GLOSSARIES

See multilingual glossary at the end of the publication.

Voir le glossaire en plusieurs langues à la fin du présent recueil.

Deutsches Glossar auf der letzten Umschlagseite.

Riferirsi al glossario multilingue alla fine del libro.

巻末の日本語用語集を参照

Véase el glosario plurilingüe al final del libro.

Смотрите многоязычный словарь в конце книги.

请参考本书最后的多语种术语表



# INTRODUCTION

An analysis of energy problems requires a comprehensive presentation of basic statistics in original units such as tonnes of coal and kilowatt hours of electricity. This type of presentation is published in *Energy Statistics of Non-OECD Countries*, the sister volume to this publication. The usefulness of such basic data can be considerably improved by expressing them in a common unit suitable for uses such as estimation of total energy supply, forecasting and the study of substitution and conservation. The energy balance is a presentation of the basic supply and demand data for all fuels in a manner which shows the main fuels together but separately distinguished and expressed in a common energy unit. Both of these characteristics will allow the easy comparison of the contribution each fuel makes to the economy and their interrelationships through the conversion of one fuel into another.

This publication offers the same coverage on energy balances, trends and indicators as the homonymous publication for OECD countries. It provides statistics on production, trade and consumption in a common unit for each source of energy in more than 100 non-OECD countries<sup>1,2</sup> and main regions including the World. Non-OECD countries cover developing countries, Central and Eastern European countries, and Eurasia. The consistency and complementarity of OECD and non-OECD countries' statistics ensure an accurate picture of the global energy situation.

This volume has been prepared in close collaboration with other international organisations, including the Economic Commission for Europe of the United

Nations (UNECE), the Organización Latino Americana De Energía (OLADE), the Asia Pacific Energy Research Centre (APEREC), the United Nations Statistics Division (UNSD), and the Forestry Department of the Food and Agriculture Organisation of the United Nations (FAO). It draws upon and complements the extensive work of the United Nations in the field of world energy statistics.

While every effort is made to ensure the accuracy of the data, quality is not homogeneous throughout the publication. In some countries data are based on secondary sources, and where incomplete or unavailable, on estimates. In general, data are likely to be more accurate for production, trade and total consumption than for individual sectors in transformation or final consumption.

Energy balances are presented in two formats reflecting the available degree of detail, which is generally lower than that of OECD countries. For example, the data on renewable energies and energy from wastes are less detailed in this publication than in the report *Energy Balances of OECD Countries*. General issues of data quality, as well as country notes and sources, should always be consulted when using data.

Energy data on OECD and non-OECD countries are collected by the team in the Energy Data Centre (EDC) of the IEA Secretariat, headed by Mr. Jean-Yves Garnier. The IEA would like to thank and acknowledge the dedication and professionalism of the statisticians working on energy data in the countries that are presented in this publication. Within the IEA, non-OECD countries statistics are the responsibility of Mr. Pierre Boileau with assistance from Ms. Zakiya Adam, Mr. Emmanouil Christinakis, Ms. Claire Morel, Mr. Diego Palma, Mr. Gianluca Tonolo and Mr. Tomasz Truś. Desktop publishing was supplied by Ms. Sharon Burghgraeve. We would like to thank our numerous contacts worldwide in national

1. This document is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

2. In this publication 'country' refers to country or territory, as the case may be.

administrations and in public and private companies for their helpful co-operation.

Complete supply and consumption data from 1971 to 2010 and selected estimates for 2011 are available on CD-ROM suitable for use on IBM-compatible systems.

In addition, a data service is available on the internet. It includes unlimited access through an annual subscription as well as the possibility to obtain data on a pay-per-view basis. Details are available at <http://www.iea.org>.

Enquiries about data, methodology, or comments and suggestions should be addressed to the head of the non-OECD countries Section, Energy Data Centre, at:

Energy Data Centre  
International Energy Agency  
9 rue de la Fédération  
75739 Paris Cedex 15, France

Telephone: (+33-1) 40-57-66-48

E-mail: [wed@iea.org](mailto:wed@iea.org).

## WHAT'S NEW

### Selected estimates for 2011

Preliminary 2011 estimates for all countries and regions have been included in summary tables for production (primary coal, primary oil, natural gas) and trade (primary coal, natural gas).

### New Non-OECD Countries

Data for Kosovo and Montenegro have been added in this year's edition.

Data for Kosovo are available starting in 2000. Between 1990 and 1999, data for Kosovo are included in Serbia. Prior to 1990, they are included in Former Yugoslavia.

Data for Montenegro are available starting in 2005. Between 1990 and 2004, data for Montenegro are included in Serbia. Prior to 1990, they are included in Former Yugoslavia.

The IEA has also made some small changes in the terminology of countries and regions.

The region Latin America and the region Other Latin America have been renamed Non-OECD Americas and Other Non-OECD Americas.

More detailed energy statistics have become available for Azerbaijan and Kazakhstan for the period 1990 to 2010. As a consequence, information for these countries is now available in an extended format rather than the aggregated format presented in previous editions of this publication.

The OECD National Accounts has rebased the GDP and GDP PPP series from 2000 USD to 2005 USD. As a result, those series and all associated ratios now refer to 2005 USD in this publication. The main sources of the GDP data is World Development Indicators, The World Bank, Washington D.C., 2012 and the CHELEM-CEPII online databases, 2011 and 2012.

# WORLD ENERGY TRENDS: AN OVERVIEW

## Global trends

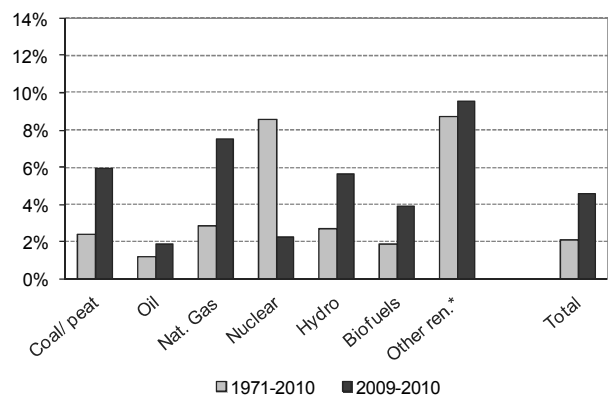
After the 0.8% decrease in 2009 - mainly due to the impact of the economic crisis – global energy demand rebounded by a dramatic 4.8% increase in 2010. This is the largest demand increase in the last five years. Both OECD<sup>1</sup> and non-OECD countries saw significant increases during the period, with respectively +3.4% and +5.8% growth. Preliminary figures indicate a slightly different situation in 2011 with global energy demand continuing to grow although at a lower pace (around 3%) but a 1.9% decrease in demand in OECD countries due to the impact of the Fukushima disaster on Japanese energy demand and a milder winter for many OECD countries. The impact of the Fukushima disaster is also evident in the more than 4% decline in global nuclear power production in 2011. As regards global fossil fuel production in 2011, coal increased by almost 7%, natural gas by more than 3% and oil by around 1%.

## Production

In terms of energy production, fossil fuels accounted for 81% of global energy production in 2010. From 2009 to 2010, production of natural gas increased by 7.5% and coal by 5.9%; oil production increased by only 1.9% (Figure 1).

Among non-fossil sources, nuclear (5.6% of total energy production) increased by 2.2% while hydro (2.3% of total production) increased by 5.7% between 2009 and 2010. With a 3.9% increase, biofuels, mainly due to the large part of solid biofuels, (fuelwood, agro-residues), kept their 10% share of global energy

Figure 1: Global annual change in energy production by fuel



\* Includes geothermal, solar thermal, solar photovoltaic and wind.

production. Other renewable sources (solar, wind), despite representing only 1% of total production, registered the most pronounced growth rates. In 2010, wind generation increased by 24%, solar thermal generation by 15%, and solar photovoltaic by 59%.

At a regional level, the OECD and Asia<sup>2</sup> remained the two largest energy producing regions, each accounting for about 30% of global production in 2010. However, the annual increase in production was much higher in Asia than in OECD; this was especially true in 2010 with a three times larger increase in Asia (+6.6%) compared to +2.2% for OECD (Figure 2). However, it is Non-OECD Europe and Eurasia which registered the largest growth among all regions (+7.1%).

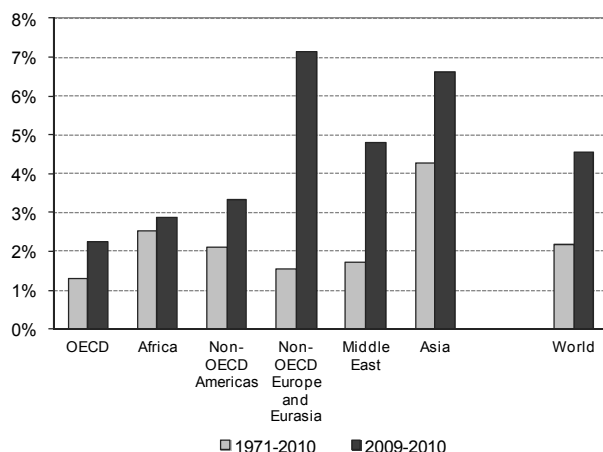
In terms of production at the country level, many countries experienced a major increase in their own domestic production in 2010. This is the case for instance for China with coal and natural gas production

1. OECD includes Estonia and Slovenia starting in 1990. Prior to 1990, data for Estonia are included in Former Soviet Union and data for Slovenia in Former Yugoslavia in this publication.

2. In this chapter, Asia includes China region unless otherwise specified.

increasing by 8.5% and 11.2% respectively, hydro generation increasing by 17%, nuclear by 5.3%, solar and wind together by 29%. The growing production of energy in China is a consequence of the growing demand in the country.

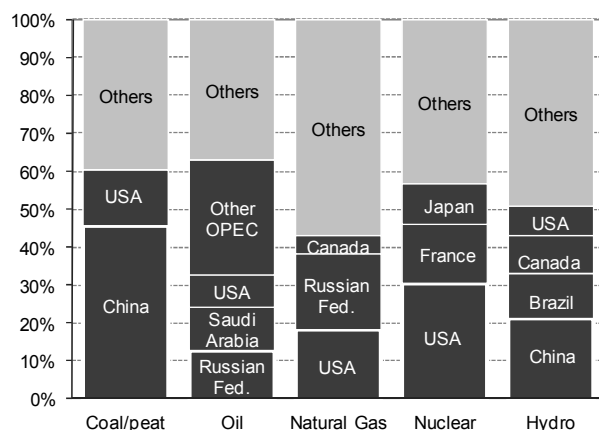
**Figure 2: Annual change in energy production by region**



In the OECD region, Ireland and Israel experienced a large increase with respectively +24%, and +18%, while a few countries experienced a decrease in their production; it was the case for the United Kingdom (-6%) and Chile (-10%).

Figure 3 illustrates that energy production is not evenly distributed across countries. For each fuel, just four to five countries generally account for more than half of global production. For coal, this is even more pronounced: China and the United States together produced 60% of the world total in 2010. Saudi Arabia and the Russian Federation are prominent in global production of oil, the Russian Federation and the United States in the production of natural gas, and the United States, France and Japan played a key role in the production of nuclear in 2010.

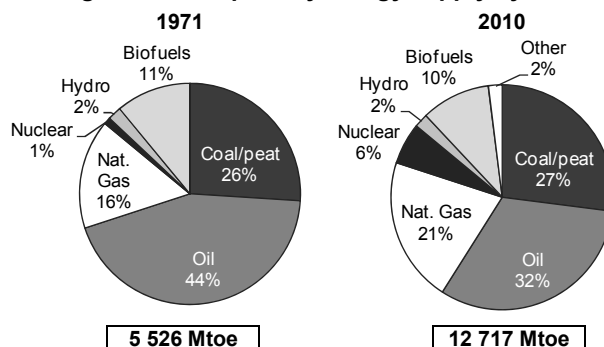
**Figure 3: Largest producers by energy form in 2010**



## Total Primary Energy Supply (TPES)

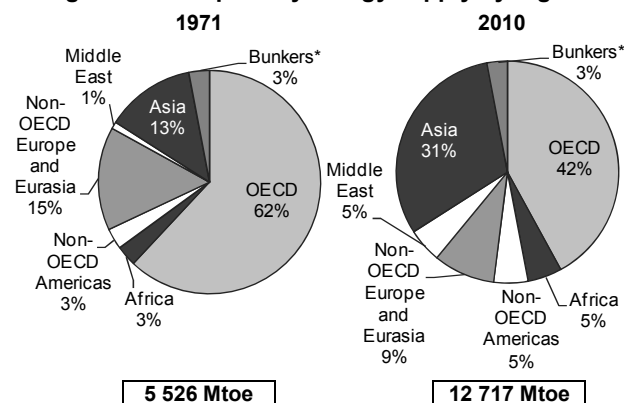
Figure 4 shows the fuel shares of total primary energy supply (TPES) in 1971 and 2010. During this time world TPES more than doubled. Oil, still the dominant fuel in 2010, reduced its share from 44% to 32%, while natural gas increased from 16% to 21% and nuclear from 1% to 6%. Remarkably, the share of coal increased constantly in recent years, reaching the highest level since 1971 (27%) in 2010.

**Figure 4: Total primary energy supply by fuel**



In terms of regional breakdown, from a dominant position in 1971 (62%), the OECD as a region reduced its share to less than half of the world TPES, as shown in Figure 5, but experienced an increase in TPES (+3.4%) in 2010 due to recovery from the economic crisis. Within the OECD, the United States keeps by far the leading position, representing more than 41% of the regional total in 2010, just a few percentage points less than in 1971.

**Figure 5: Total primary energy supply by region**



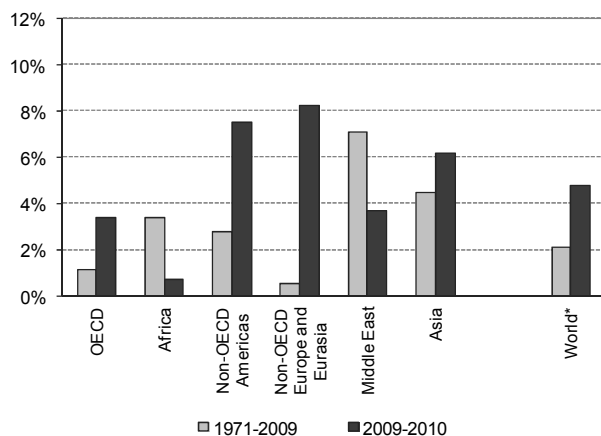
\* including international marine and aviation bunkers.

Outside of the OECD, the most dramatic increase over the thirty-nine years occurred in Middle East, which in 2010 consumed about fourteen times as much energy as in 1971. However, the most prominent emerging region in world energy consumption is definitely Asia, which more than doubled its share in global

TPES during the same period and represented more than 31% of total TPES in 2010.

As shown in Figure 6, Asia increased its TPES by over 6% between 2009 and 2010, led by China, while non-OECD Europe and Eurasia experienced a more than 8% growth and non-OECD Americas a 7.5% growth.

**Figure 6: Annual change in TPES by region**



\* World also includes international marine and aviation bunkers.

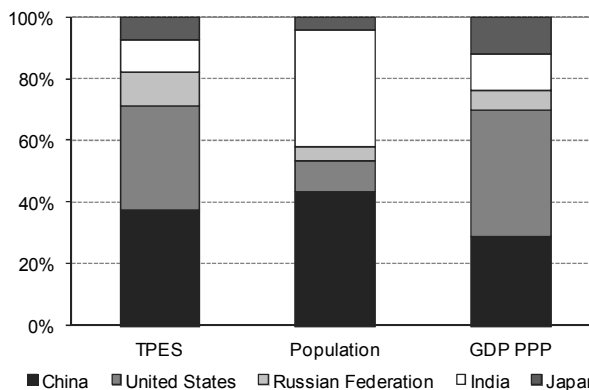
The role of non-OECD countries in the current world energy picture is becoming more and more prominent when ranking countries by TPES, as shown in Table 1. In 2010, China continued to outpace the United States in terms of Total Primary Energy Supply (TPES), with China accounting for 19% of global TPES while the United States accounted for only 17%. The Russian Federation and India ranked third and fourth, respectively. Japan, the second largest OECD consuming country, is in fifth position. It should also be noted that Brazil overtook both France and Canada to become the seventh largest energy consumer country in the world.

**Table 1: TPES - top-ten countries in 2010**

Country	TPES (Mtoe)	Share in world TPES
People's Rep. of China	2 417	19%
United States	2 216	17%
Russian Federation	702	6%
India	693	5%
Japan	497	4%
Germany	327	3%
Brazil	266	2%
France	262	2%
Canada	252	2%
Korea	250	2%
Rest of the world	4 835	38%
<b>World</b>	<b>12 717</b>	<b>100%</b>

In 2010, the top-five countries of Table 1 produced close to half of global GDP<sup>3</sup>, consumed 51% of the total world energy and accounted for 45% of the total population. However, the relative shares of GDP, population and TPES of these five countries significantly varied from one to another, as illustrated in Figure 7.

**Figure 7: Top-five energy consumers: 2010 relative shares\***

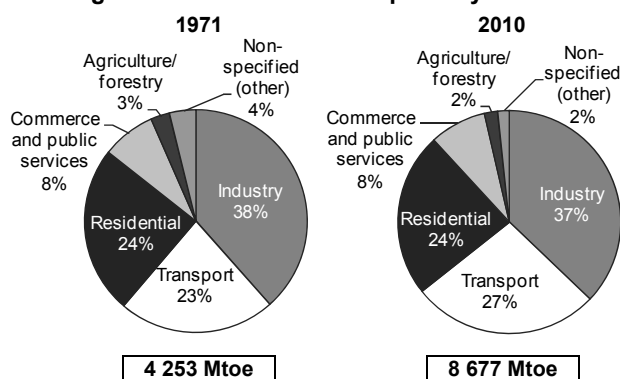


\* Relative shares within the top-five, which differ from shares in the world total.

The United States consumed 17% of world energy, despite a population of less than 5% of the global total. Conversely, China and India, consumed together more energy than the United States (24% of global TPES) and accounted for 37% of the global population. In the United States, the large share of energy consumption is associated with a commensurate share of economic output. India, the Russian Federation and Japan consumed comparable amounts of energy in 2010. However, energy intensities differed significantly. With a GDP almost two times larger than that of the Russian Federation, Japan consumed more than 30% less energy per unit of GDP.

## Total Final Consumption (TFC)

**Figure 8: Total final consumption by sector**



3. In this chapter, GDP refers to GDP using purchasing power parities.

To conclude this global overview, Figure 8 presents the shares of different sectors in total final consumption<sup>4</sup> (TFC) of energy. Industry is still the largest consuming sector (with a significant fraction derived from non-energy use), followed by the transport sector and the residential sector.

The following sections briefly describe 1971-2010 energy trends in six different regions of the world: OECD, Africa, Non-OECD Americas, Asia, Non-OECD Europe and Eurasia, and the Middle East.

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4. In this chapter, each sector of final consumption includes its respective non-energy use quantity.

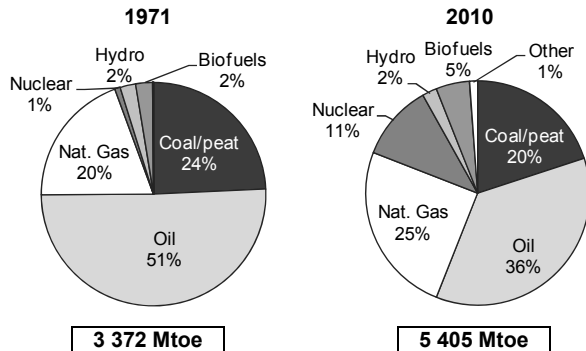
## OECD

Besides being the main energy producing region, the OECD<sup>1</sup> is also the largest importer. In terms of self-sufficiency, the OECD is last among all regions, with a production/TPES ratio of 72%, far behind the closest region, Asia, at 89%.

The OECD statistics are largely driven by the importance of the United States, alone accounting for 41% of regional TPES. Japan and Germany follow, with 9% and 6% of regional TPES. After a short period of decrease in the mid-70s and early 80s, the OECD energy supply has progressed regularly, with an average annual growth rate of 1% since 1971. In 2010, TPES rebounded strongly by 3.4% from the impact of the economic crisis, in line with a 3% increase in GDP.

Since the oil shocks of the 70's, the OECD has diversified its mix in energy supply. Consequently, the fuel shares in TPES have evolved, as shown in Figure 9. Although oil remains the main component of TPES, its share decreased from 51% in 1971 to 36% in 2010. The decrease was compensated by a pronounced increase in nuclear (from 1% to 11%) and by an increased penetration of natural gas (from 20% to 25%).

**Figure 9: Total primary energy supply\* by fuel**

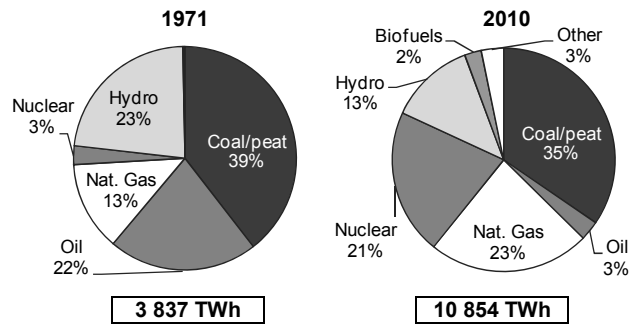


\*Excluding electricity trade.

The trends in electricity generation are even more pronounced than those of TPES, as presented in Figure 10. Electricity production has almost tripled since 1971, increasing on average by 5% per year, more than twice as fast as TPES, at a rate comparable to that of GDP. Oil has been almost completely displaced by the dramatic increase of nuclear (on average, +9% per year), and by the increase of natural gas. Hydro has progressed very slowly, losing 10% in the share over the time period. Most importantly, coal has kept the

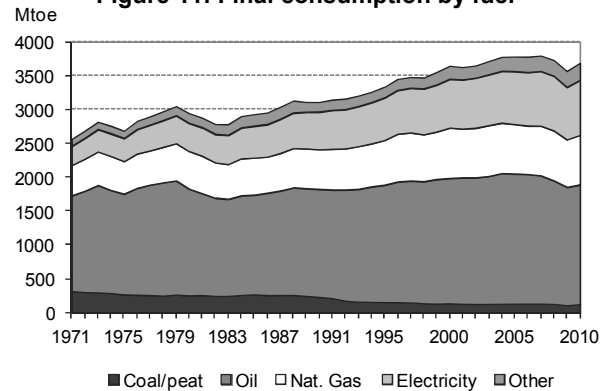
dominant role as electricity source, with a share in 2010 (35%) comparable to that of 1971.

**Figure 10: Electricity generation by fuel**



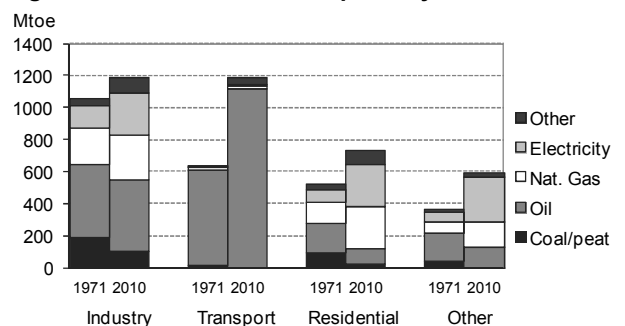
The role of coal in total final consumption (TFC) within OECD countries is much less important than that in electricity generation. In final consumption, oil is the key player, as shown in Figure 11. Oil consumption (in the form of secondary products like motor gasoline) had decreased after the oil shocks of the 70's, but since the mid-80's it has started to grow again. In 2010, oil consumption grew by more than 1% and still accounted for about half of the total final consumption within the OECD.

**Figure 11: Final consumption by fuel**



As illustrated in Figure 12, the driver for oil consumption (63% in 2010) is the transport sector, where total consumption almost doubled between 1971 and 2010. Meanwhile in all sectors, consumption of electricity has increased considerably: it almost tripled between 1971 and 2010.

**Figure 12: Total final consumption by sector and fuel**



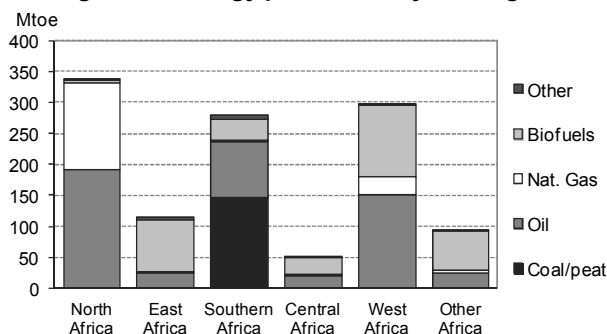
1. OECD includes Estonia and Slovenia starting in 1990. Prior to 1990, data for Estonia are included in Former Soviet Union and data for Slovenia in Former Yugoslavia in this publication.

## Africa

In 2010, Africa produced 9% of the world's energy. African production is dominated by oil (43%), followed by traditional biomass (28%), natural gas (15%) and coal (13%). The use of biofuels (mainly fuelwood) is significantly higher across Africa than the world average. For commercial types of energy, production is unevenly distributed across sub-regions, as shown in Figure 13.

Crude oil and natural gas tend to be concentrated in a few countries of North, West and Southern Africa. In 2010, Nigeria, Angola, Libya and Algeria produced together 76% of the crude oil of the region, while Algeria produced alone more than 40% of the regional output of natural gas. Coal is produced almost exclusively in South Africa, the sixth coal exporter in the world, and a significant coal consumer itself.

Figure 13: Energy production by sub-region



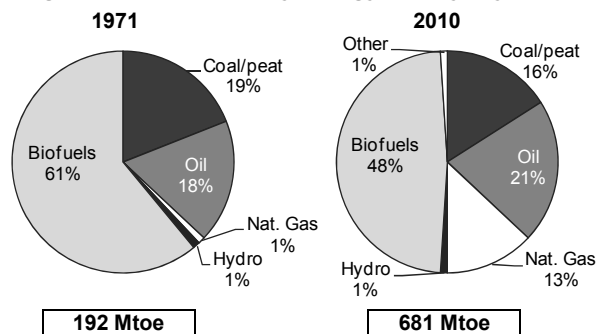
North Africa includes Algeria, Egypt, Libya, Morocco and Tunisia; East Africa includes Eritrea, Ethiopia, Kenya, Mozambique, Sudan and United Republic of Tanzania; Southern Africa includes Angola, Botswana, Namibia, South Africa, Zambia and Zimbabwe; Central Africa includes Cameroon, Congo and Democratic Republic of Congo; West Africa includes Benin, Côte d'Ivoire, Gabon, Ghana, Nigeria, Senegal and Togo.

In 2010, Africa produced 2% more oil than in 2009, representing 12% of world crude oil output, and exported 80% of its production. Among the largest oil producers, the output increased for Nigeria (+16%) and Egypt (+2%) while it decreased for all of the other 3 major producers. Natural gas production increased by 6%, with more than half of the output exported in 2010, both by pipeline and LNG.

As shown in Figure 14, TPES in Africa is dominated by solid biofuels (mainly fuelwood), with a share in 2010 (48%) much higher than the world average (10%). The presence of large forests, agro-industry, agriculture, a large rural population, and a low GDP per capita have resulted in a large use of biomass for cooking. Because of the extensive use of wood and charcoal, energy intensity<sup>6</sup> is higher than the world average.

6. Measured by the ratio TPES/GDP.

Figure 14: Total primary energy supply\* by fuel



\*Excluding electricity trade.

However, the share of traditional biomass in TPES significantly decreased between 1971 and 2010, due to increased electrification, and particularly the recent development of power generation from natural gas. Natural gas increased its share in TPES from 1% in 1971 to 13% in 2010. Coal continued to represent an important share of African TPES (16% in 2010), due to the continued high reliance of South African supply on it (74% in 2010).

Figure 15: Electricity generation by fuel

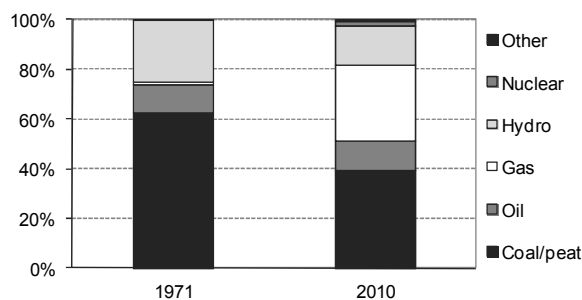


Figure 15 shows that electricity generation drove the substantial changes observed for TPES between 1971 and 2010. The growth of natural gas power generation, especially in natural gas-producing countries, has been remarkable. In 2010, natural gas provided 99% of the electricity in Tunisia, 97% in Algeria and 64% in Nigeria. On a regional level, the share was 30%, larger than in the OECD (23%), and only behind Non-OECD Europe and Eurasia (40%) and Middle East (63%).

The large share of coal in electricity production is due to the weight of South Africa, which almost exclusively uses coal as an electricity source (94% in 2010).

Electricity production reflects the disparity in fossil fuel resources between sub-regions of Africa. In 2010, North African countries plus South Africa, represented only 20% of the population but generated 80% of the electricity in Africa. Electricity remains a grave scarcity for most Sub-Saharan African countries, with electrification rates often below 20%.

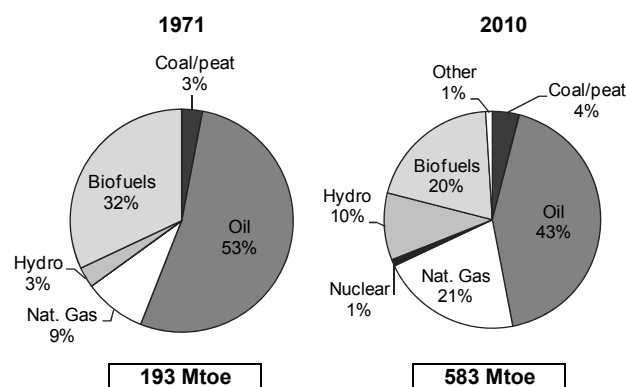


## Non-OECD Americas

In 2010, energy production in Non-OECD Americas was 3.3% higher than in 2009, with changes in Brazil (+8.3% for biofuels, +5.4% for oil but +26% for natural gas) and Peru (+4.4% for oil, -71% for coal and +86% for natural gas). Variability of production was also common in Venezuela (-17% for coal, -3.5% for oil and +5.2% for natural gas).

Figure 16 shows that oil largely remained the dominant fuel in the supply (43% in 2010), followed by comparable shares of natural gas and biofuels (~20%). While the share of natural gas in TPES increased from 9% to 21% between 1971 and 2010, the share of biofuels and waste decreased from 32% to 20%. Urbanisation and increases in the purchasing power of citizens explain the move away from traditional biofuels.

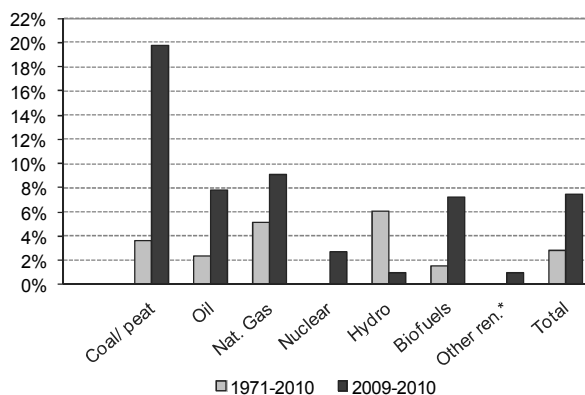
**Figure 16: Total primary energy supply\* by fuel**



\*Excluding electricity trade.

As shown in Figure 17, hydro generation developed at an average rate of 6% per year between 1971 and 2010, growing from 3% to 10% of TPES. In 2010, hydro represented 63% of total Non-OECD Americas electricity generation, by far the largest share among all regions, and far above the world average of 16%.

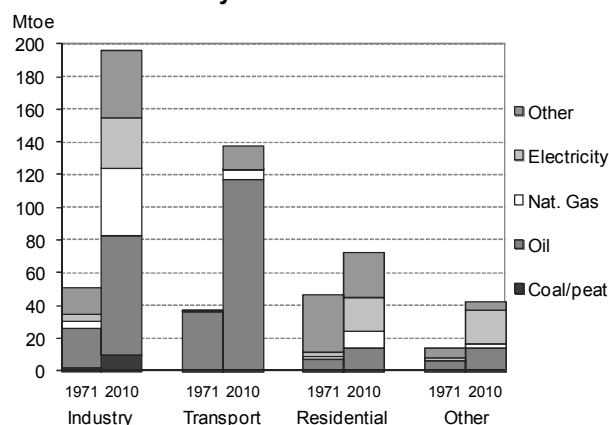
**Figure 17: Annual change in TPES by fuel**



\* Includes geothermal, solar thermal, solar photovoltaic and wind.

Figure 18 illustrates the sectoral consumption in the region. In 2010, industry accounted for 44% of total final consumption (TFC), followed by transport (31%) and residential (16%). Oil consumption, accounting for almost half of TFC, is driven, as in all countries, by road transport. Still, within transport, Non-OECD Americas has the largest share of liquid biofuels in the world (11%) thanks to Brazil (20%), the world's largest exporter and consumer of fuel ethanol from sugarcane.

**Figure 18: Total final consumption by sector and fuel**



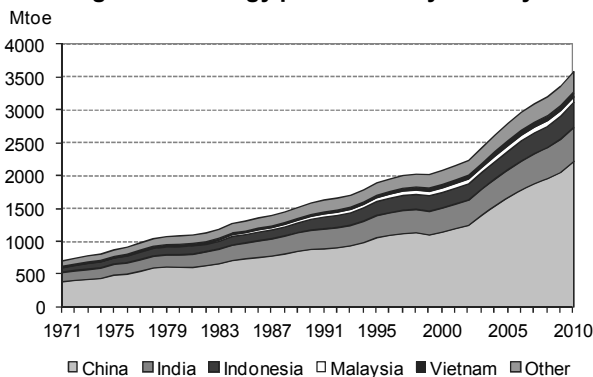
The share of electricity in TFC increased from 6% in 1971 to 16% in 2010 due to a series of structural and regulatory changes to favour access to electricity and to develop interconnections.

## Asia

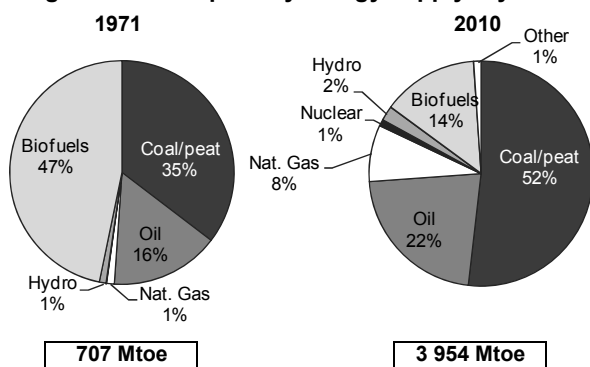
In 2010, the Asian total primary energy supply continued its pronounced growth (+6.2%), in line with the strong economic growth for the region. The GDP increased by 9%, dominated by China (+10%) and India (+9%). Asia was the second largest energy-producing region in the world, with 28% of global production.

Figure 19 shows the steep recent growth in production, led by China, the largest coal producer in the world. Despite this growth, the region as a whole is a net energy importer, as its internal demand is growing even faster than its production. Self-sufficiency has slowly declined over the last twenty years for both China (91% in 2010) and India (75% in 2010). Even Indonesia, which is still self-sufficient because of its large coal exports, became a net oil importer in 2004.

**Figure 19: Energy production by country**



**Figure 20: Total primary energy supply\* by fuel**



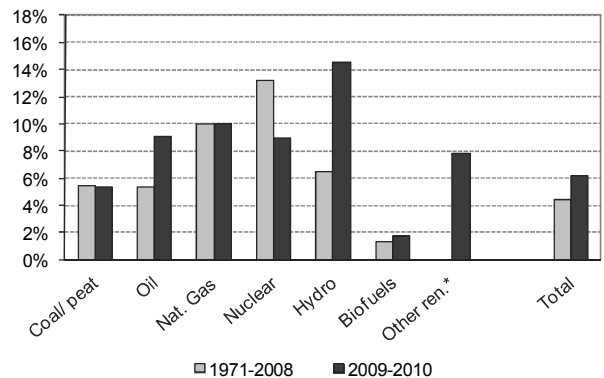
\*Excluding electricity trade.

As shown in Figure 20, coal is the main energy source in the region, accounting in 2010 for more than half of the TPES, well above the world average of 27%. Figure 21 shows that in 2010 the Asian coal supply increased by almost 5%. Growth was driven by the 5.7% increase of China, which consumed alone 46%

of the world's coal. In 2010, China also increased its oil supply by 14%, becoming the world's second largest oil importer behind the United States and just outpacing Japan.

Increase in per capita GDP, urbanization and electrification programmes have lowered the share of biofuels (predominantly biomass) from 47% in 1971 to 14% in 2010 in the region. Due to the expansion of infrastructure, natural gas has become significant in the fuel mix (8.2%). In 2010, China itself increased natural gas production by 11%, and also strongly increased its LNG imports that had started in 2006.

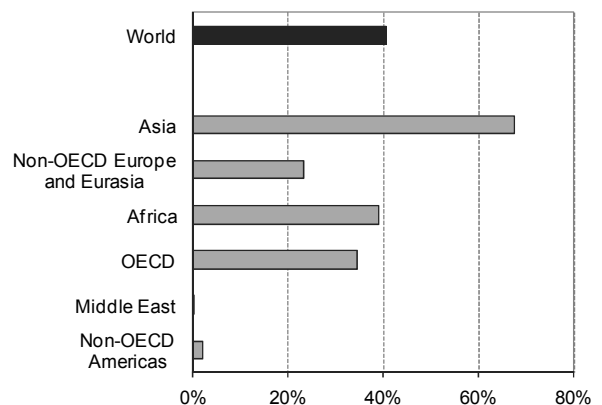
**Figure 21: Annual growth in TPES by fuel**



\* Includes geothermal, solar thermal, solar photovoltaic and wind.

As shown in Figure 22, Asia has the largest share of coal in the electricity mix among all regions (68% in 2010). Among the largest electricity producing countries, coal provided 78% of electricity in China, 68% in India, 51% in Chinese Taipei and 40% in Indonesia.

**Figure 22: Share of coal in electricity generation in 2010**



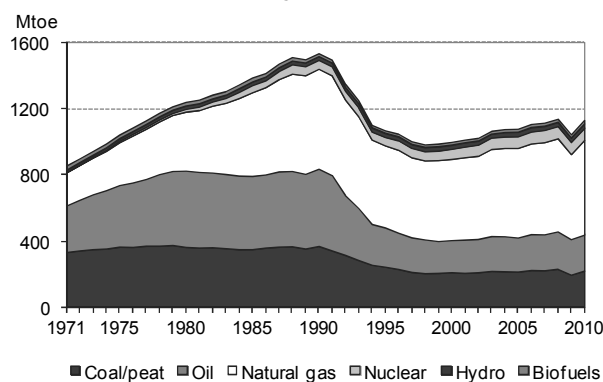
In 2010, total electricity generation in Asia increased by 10.4% led by the 12.5% increase of China. Even if electricity production grew in the region at an average rate of 5.8% since 1971, its consumption per capita was still half the world average in 2010.

## Non-OECD Europe and Eurasia

Dominated by the Russian Federation (62% of regional TPES in 2010), Ukraine (11.5%) and Uzbekistan (3.9%), Non-OECD Europe and Eurasia represents 8.9% of the world energy supply. With a production/TPES ratio of 156%, it is one of the most energy self sufficient world regions.

Figure 23 shows the trend over time for regional TPES. In the years after 1990, economic output as well as energy consumption strongly declined (~30%), due to the very sharp decrease in industrial consumption. A slow recovery has occurred since 1999, which was briefly interrupted by the economic downturn in 2009 but has continued in 2010.

**Figure 23: Trend in total primary energy supply\* by fuel**

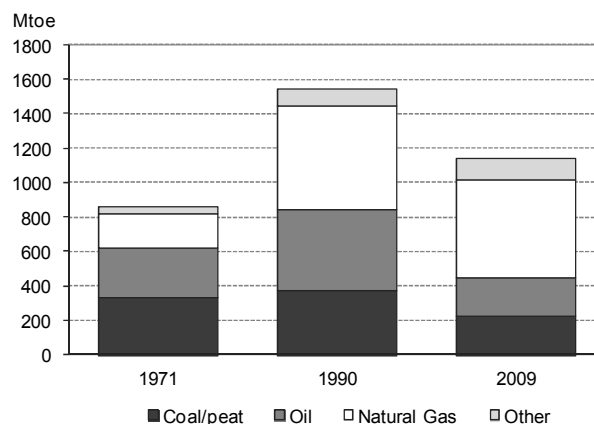


\*Excluding electricity trade.

Oil and natural gas are the largest contributors to energy production in the region (38% and 39% respectively in 2010), followed by coal and nuclear. Natural gas production increased in the largest producing country, Russian Federation, with the 2010 output up almost 14% from 2009. Coal production and crude oil production were also up, 17% and 2.6% respectively. Nuclear production also increased 4.2%, the first time in several years.

In 2010, nuclear power provided 36% of the electricity of the region, especially developed in Russia (51%), Ukraine (52%), Armenia (49%) and Bulgaria (37%). However, it has been the development of natural gas in the region which is the most significant variation in the regional fuel mix over the last three decades, as shown in Figure 24. In 2010, oil, coal and natural gas still accounted together for more than 80% of the supply.

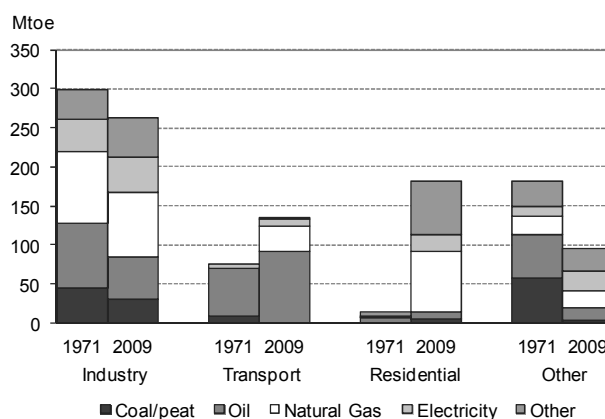
**Figure 24: Total primary energy supply\***



\*Excluding electricity trade.

As illustrated by Figure 25, industrial energy consumption declined by 4% between 1971 and 2010 - and 33% between 1990 and 2010. The decrease between 1990 and 2010 was particularly pronounced in Azerbaijan (-84%), Armenia (-84%) and Bosnia and Herzegovina (-64%). In recent years, industrial energy consumption has gradually recovered in the region (+12% between 2000 and 2010). Conversely, consumption in the transport sector has almost doubled over the last thirty-nine years (+5.1% only between 2009 and 2010).

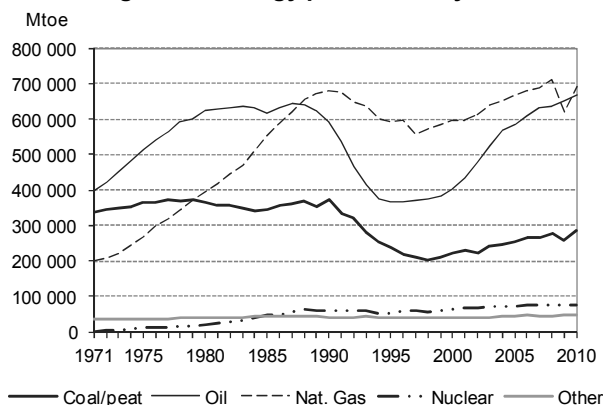
**Figure 25: Total final consumption by sector and fuel**



In 2010, natural gas had the largest share in the regional TFC (32%), followed by oil (24%), heat (21%) and electricity (15%). Natural gas was also dominant in the regional electricity mix (40%) with coal as the second fuel of choice (23%). In 2010, coal-generated electricity increased (+3.6%), as well as natural gas (+10%) while solar, geothermal and wind electricity generation increased 85%.

The energy profile of the Non-OECD and Eurasia region is largely influenced by major energy producers and exporters such as the Russian Federation. In 2010, the Russian Federation produced 10% of global energy, 20% of global natural gas, and 12% of global oil. A key world energy exporter, the Russian Federation is increasing its production faster than its domestic supply. In 2010, net exports in the region were equivalent to 45% of total production, compared to 32% in 1990. Within the region, the Russian Federation produced 76% of total oil, 78% of total natural gas and 63% of total coal in 2010, keeping its position of first exporter of natural gas, second exporter of crude oil and third exporter of coal in the world.

**Figure 26: Energy production by fuel**



Since 2000 the economies of Non-OECD Europe and Eurasia have been expanding at an average rate of 6.4% per year. In 2010 they experienced a 3.9% increase in GDP. In line with GDP growth, energy production has increased by 2.1% per year on average

since 1971. However, 2010 saw a 7.1% increase in energy production. The trend in energy production is evident in Figure 26. Remarkably, with a TPES increase of just 2% per year, the energy intensity of the region has decreased by about one third since 2000.

In 2010, the regional production of oil was just above 2009 levels (+2.3%). Production of natural gas increased by 11%, with the most remarkable increases in Bulgaria (+351%) and Serbia (+47%).

**Figure 27: The Russian Federation: total final consumption by fuel**

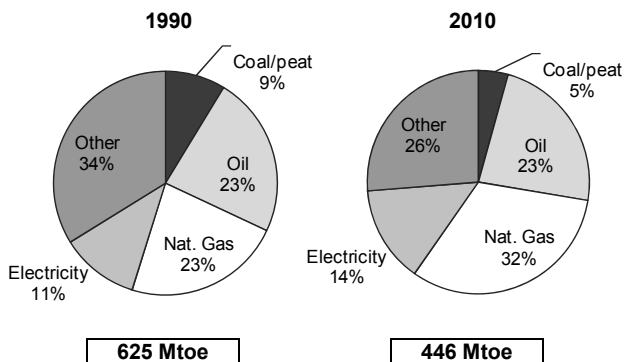


Figure 27 shows the penetration of natural gas in final consumption for the Russian Federation (32% in 2010), and the stable share of oil in time, driven by consumption in the transport sector.

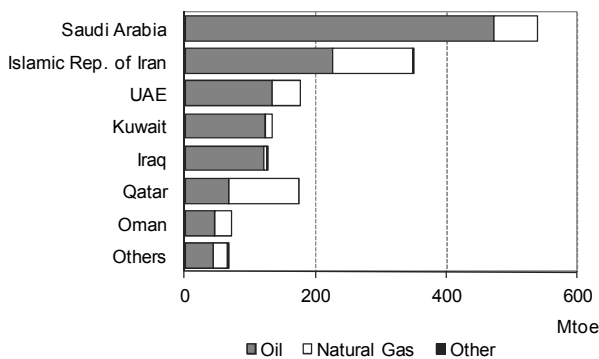
Even though the energy intensity of the region has dramatically decreased since 2000 (by about one third), Non-OECD Europe and Eurasia remains one of the most energy intensive among all regions, with a TPES/GDP ratio more than four times as large as the world average.

## Middle East

With a production almost three times as large as its supply, Middle East is the region with the highest self-sufficiency ratio in the world. In 2010, the region produced 13% of global energy, 30% of global oil and 15% of global natural gas. In 2010, production increased for natural gas (+14.5%) and for crude oil (+2%) due to increases in demand from many countries recovering from the economic crisis.

Figure 28 shows that Saudi Arabia is the largest oil producer in the region (38%), followed by Iran (18%), which is also the largest producer of natural gas, with 30% of the regional production, followed by Qatar (27%). Regional trends for 2010 were dominated by increases in Syrian, Omani and Qatari oil output (+7.8, +6.3% and +5.1% respectively), and by increases in Syrian and Qatari natural gas output (+44% and +35% respectively). Qatar has developed natural gas production at an average annual growth rate of 39% in the last ten years.

**Figure 28: Energy production in 2010**

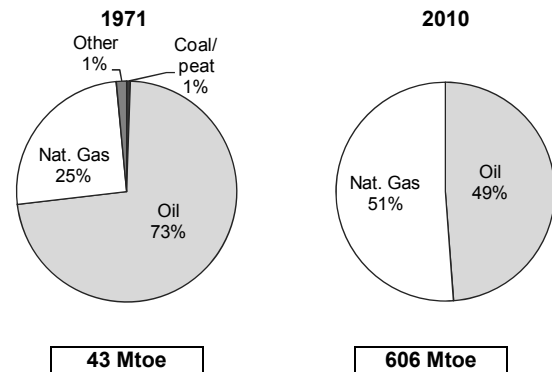


A key energy exporter, Middle East has also dramatically developed its own energy demand. Over the period 1971-2010, TPES grew on average by 33% per year, faster than in any other region in the world. As shown in Figure 29, the supply is almost exclusively based on oil and natural gas. With time, natural gas has partly displaced oil, more than doubling its share between 1971 and 2010.

Key factors for the fast development of natural gas in Middle East are power generation and the petrochemical sector. While the share of oil in electricity production shrank from 63% in 1971 to 34% in 2010,

the share of natural gas increased from 18% to 63% in the same period. In 2010, natural gas provided almost all the electricity generated in Bahrain, in the United Arab Emirates and in Qatar.

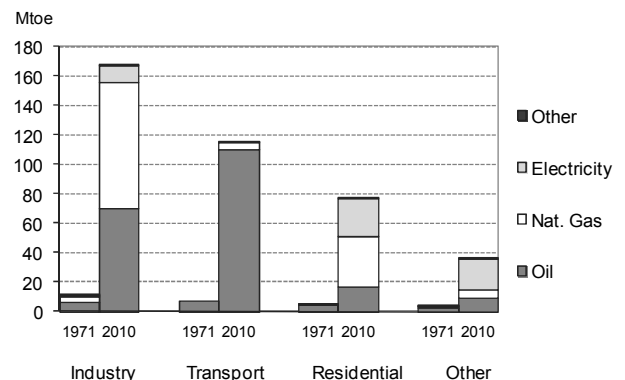
**Figure 29: Total primary energy supply\* by fuel**



\*Excluding electricity trade.

Figure 30 illustrates the remarkable growth of consumption in the transport sector, completely relying on oil. Oil is responsible for more than 50% of total consumption in the region as a whole, 72% in Saudi Arabia, and up to 90% in Yemen. Electricity more than doubled its share in the final energy consumption (from 5.6% in 1971 to 14.2% in 2010).

**Figure 30: Total final consumption by sector and fuel**



Improving energy efficiency remains a key challenge for the region. The fast growth of supply compared to economic output pushed energy intensity upwards since the early 80's. With a 2010 ratio almost twice as large as the world average, Middle East is second only to Non-OECD Europe and Eurasia in terms of TPES/GDP.



# **PART I**

## **METHODOLOGY**





# 1. ISSUES OF DATA QUALITY

## Methodology

Considerable effort has been made to ensure that the data presented in this publication adhere to the IEA definitions reported in Part I.2, Explanatory notes. These definitions are used by most of the international organisations that collect energy statistics.

Nevertheless, energy statistics at the national level are often collected using criteria and definitions which differ, sometimes considerably, from those of international organisations. The IEA Secretariat has identified these differences and, where possible, adjusted the data to meet international definitions.

Recognised anomalies occurring in specific countries are presented in Part I.5, Country notes and sources. Country notes present the most important deviations from the IEA methodology, and are by no means a comprehensive list of anomalies by country.

## Estimation

In addition to adjustments compensating for differences in definitions, estimations are sometimes required to complete major aggregates, when key statistics are missing.

The Secretariat has aimed to provide all the elements of energy balances down to the level of final consumption, for all countries and years. Providing all the elements of supply, as well as all inputs and outputs of the main transformation activities (such as oil refining and electricity generation), has often required estimations. Estimations have been generally made after consultation with national statistical offices, oil companies, electricity utilities and national energy experts.

For all countries and all years, the Secretariat also provides energy indicators computed with GDP and population data. When these economic data were not

available from official international sources, the Secretariat used estimates provided by the CHELEM-CEPII database (see ‘General references’ in Part I.5, Country notes and sources; and ‘Indicators’, in Part I.2, Explanatory notes).

## Time series and political changes

Energy balances for the individual countries of the Former Soviet Union and the Former Yugoslavia have been constructed since 1990, and are not available for previous years. Estonia is included in Former Soviet Union prior to 1990 and in OECD Total from 1990 onwards. Slovenia is included in Former Yugoslavia until 1990 and in OECD Total from 1990 onwards. These balances are generally based on official submissions, but estimations have been made by the Secretariat.

Data for Kosovo are available starting in 2000. Between 1990 and 1999, data for Kosovo are included in Serbia. Prior to 1990, they are included in Former Yugoslavia. Data for Montenegro are available starting in 2005. Between 1990 and 2004, data for Montenegro are included in Serbia. Prior to 1990, they are included in Former Yugoslavia.

The Netherlands Antilles was dissolved on 10 October 2010 resulting in two new ‘constituent countries’ (Curaçao and Saint Maarten) with the other islands joining The Netherlands as ‘special municipalities’. However, due to lack of detailed data the Secretariat’s data and estimates under the ‘Netherlands Antilles’ still refer to the whole territory of the Netherlands Antilles as it was known prior to 10 October 2010.

**Energy statistics for some countries undergo continuous changes in their coverage or methodology. Consequently, “breaks in series” are considered to be unavoidable.**

The IEA Secretariat reviews its databases each year. In the light of new assessments, important revisions may be made to time series of individual countries during the course of this review. Therefore, some data in this publication have been substantially revised with respect to previous editions. Please always consult Part I.5, Country notes and sources.

## Classification of fuel uses

National statistical sources often lack adequate information on the consumption of fuels in different categories of end use. Many countries do not conduct annual surveys of consumption in the main sectors of economic activity, and published data may be based on out-of-date surveys. Therefore, sectoral disaggregation of consumption should generally be interpreted with caution.

In transition economies (countries of non-OECD Europe and Eurasia) and in China, the sectoral classification of fuel consumption before the reforms of the 1990's significantly differed from that of market economies. Sectoral consumption was defined according to the economic branch of the user, rather than according to the purpose or use of the fuel. For example, consumption of gasoline in the vehicle fleet of an enterprise attached to the economic branch 'Iron and steel' was classified as consumption in the 'Iron and steel' industry itself.

Where possible, data have been adjusted to fit international classifications. For example, all gasoline is assumed to be consumed in transport. However, it has not been possible to reclassify products other than gasoline and jet fuel as easily, and few other adjustments have been made to other products.

## Imports and exports

For a given product, imports and exports may not sum up to zero at the world level for a number of reasons. Fuels may be classified differently (*i.e.* fuel oil exports may be reported as refinery feedstocks by the importing country; NGL exports may be reported as LPG by the importing country, etc.). Other possible reasons include discrepancies in conversion factors, inclusion of international bunkers in exports, timing differences, data reported on a fiscal year basis instead of calendar year for certain countries, and underreporting of imports and exports for fiscal reasons.

## Specific issues by fuel

### Coal

Data on sectoral coal consumption are usually reported in metric tonnes. Net calorific values of different coal types used in different end use sectors are not always available. In the absence of specific information, the Secretariat estimates end use net calorific values based on the available net calorific values for production, imports and exports.

### Oil

The IEA Secretariat collects comprehensive statistics for oil supply and use, including oil for own use of refineries, oil delivered to international bunkers, and oil used as petrochemical feedstock. National statistics often do not report all these amounts.

Reported production of refined products may refer to net rather than gross refinery output; consumption of oil products may be limited to sales to domestic markets, and may not include deliveries to international shipping or aircraft. Oil consumed as petrochemical feedstock in integrated refinery/petrochemical complexes is often not included in available official statistics.

Where possible, the Secretariat has estimated those unreported data, in consultation with the oil industry. In the absence of any other indication, refinery fuel use is estimated to be about 5% of refinery throughput, and equally split between refinery gas and fuel oil. For a description of some adjustments made to the sectoral consumption of oil products, see the above section 'Classification of fuel uses'.

### Natural gas

Natural gas should be comprised mainly of methane; other gases, such as ethane and heavier hydrocarbons, should be reported under the heading of 'oil'. The IEA defines natural gas production as the marketable production, *i.e.* net of field losses, flaring, venting and re-injection.

However, the lack of adequate definitions makes it difficult or impossible to identify all quantities of gas at all different stages of its separation into dry gas (methane) and heavier fractions. National data for natural gas do not always explicitly show separate quantities for field losses, flaring, venting and re-injection.

Natural gas supply and demand statistics are normally reported in volumetric units, and it is difficult to obtain accurate data on the calorific value. In the absence of specific information, the IEA generally applies an average gross calorific value of 38 TJ/million m<sup>3</sup>.

Reliable consumption data for natural gas at a disaggregated level are often difficult to find. This is especially true for some of the largest natural gas consuming countries in the Middle East. Therefore, industrial use of natural gas for these countries is frequently missing from the data published here.

## Electricity

The IEA classification shows ‘main activity producers’ separately from ‘autoproducers’ of electricity and heat. As defined in Part I.2, Explanatory notes, an autoproducer of electricity is an establishment which, in addition to its main activities, generates electricity wholly or partly for its own use. For non-OECD countries, data on autoproducers are not always reported. In such cases, the quantities of fuels used as input to electricity are included under the appropriate end-use sector.

When statistics of production of electricity from biofuels and waste are available, they are included in total electricity production. However, these data are not comprehensive; for example, much of the electricity generated from waste biomass in sugar refining facilities remains unreported.

When unreported, inputs of fuels for electricity generation are estimated using information on electricity output, fuel efficiency and type of generation capacity.

## Heat

For heat, transition economies (countries of non-OECD Europe and Eurasia) and China used to adopt a different methodology from that adopted in market economies. They allocated the transformation of primary fuels (coal, oil and gas) by industry into heat *for consumption on site* to the transformation activity ‘heat production’, **not** to industrial consumption, as in the IEA methodology<sup>1</sup>. The transformation output of *Heat* was then allocated to the various end use sectors. The losses occurring in the transformation of fuels

into heat in industry were not included in final consumption of industry.

Although a number of countries have recently switched to the practice of international organisations, this important issue reduces the possibility of cross-country comparisons for sectoral end use consumption between transition economies and market economies.

## Biofuels and waste

The IEA publishes data on production, domestic supply and consumption of biofuels and waste for all non-OECD countries and all regions.

Data are often based on secondary sources, and may be of variable quality, which makes comparisons between countries difficult. For many countries, historical data are derived from surveys which were often irregular, irreconcilable, and conducted at a local rather than national level.

Where historical series were incomplete or unavailable, they were estimated using a methodology consistent with the projection framework of the IEA’s 1998 edition of *World Energy Outlook* (September 1998). First, nation-wide domestic supply per capita of biofuels and wastes was compiled or estimated for 1995. Then, per capita supply for the years 1971 to 1994 was estimated using a log/log equation with either GDP per capita or percentage of urban population as exogenous variable, depending on the region. Finally, supply of total biomass and waste after 1996 was estimated assuming a growth rate either constant, or equal to the population growth, or based on the 1971-1994 trend.

Those estimated time series should be treated very cautiously. The chart below provides a broad indication of the estimation methodology and of the data quality by region.

Region	Main source of data	Data quality	Exogenous variables
Africa	FAO database and AfDB	low	population growth rate
Non-OECD Americas	national and OLADE	high	none
Asia	surveys	high to low	population growth rate
Non-OECD Europe and Eurasia	questionnaires and FAO	high to medium	none
Middle East	FAO	medium to low	none

1. For autoproducer plants, the international methodology restricts the inclusion of heat in transformation to that sold to third parties. See definition in Part I.2, General notes.

Given the importance of vegetal fuels in the energy picture of many developing countries, balances down to final consumption by end-use for individual products or product categories have been compiled for all countries. Data for the years 2009 and 2010 are shown in the Annual tables. Time series for charcoal production are shown in the Summary tables.

The IEA hopes that the inclusion of these data will encourage national administrations and other agencies active in the field to enhance the level and quality of data collection and coverage for biofuels and waste. More details on the methodology used by country may be provided on request, and comments are welcome.

## 2. EXPLANATORY NOTES

### Unit

The IEA energy balance methodology is based on the calorific content of the energy commodities and a common unit of account. The unit of account adopted by the IEA is the tonne of oil equivalent (toe) which is defined as  $10^7$  kilocalories (41.868 gigajoules). This quantity of energy is, within a few per cent, equal to the net heat content of 1 tonne of crude oil. Throughout this publication 1 tonne means 1 metric ton or 1000 kg.<sup>1</sup>

### Conversion (from original units to toe)

The change from using the original units to tonnes of oil equivalent implies choosing coefficients of equivalence between different forms and sources of energy. This problem can be approached in many different ways. For example, one could adopt a single equivalence for each major primary energy source in all countries, e.g. 29 307 kJ/kg (7 000 kcal/kg) for hard coal, 41 868 kJ/kg (10 000 kcal/kg) for oil, etc.

The main objection to this method is that it results in distortions since there is a wide spread in calorific values between types of coal and individual coal products, and between calorific values of these fuels in different countries. The Secretariat has therefore adopted specific factors supplied by the national administrations for the main categories of each quality of coal and for each flow or use (*i.e.* production, imports, exports, electricity generation, coke ovens, blast furnaces and industry).

For crude oil, specific factors have been used for production, imports and exports based on consultations with experts from the national administrations. The IEA applies regional conversion factors (in conjunction with Eurostat for the European countries) for oil products.

Gas data in *Energy Statistics of Non-OECD Countries* are presented in terajoules on a **gross calorific basis**. Data on biofuels & waste are presented in terajoules on a **net calorific basis** (with the exception of liquid biofuels which are in 1000 tonnes).

The balances are expressed in terms of “net” calorific value. The difference between the “net” and the “gross” calorific value for each fuel is the latent heat of vaporisation of the water produced during combustion of the fuel. For coal and oil, the net calorific value is about 5% less than gross, for most forms of natural and manufactured gas the difference is 9-10%, while for electricity and heat there is no difference as the concept has no meaning in this case. The use of net calorific value is consistent with the practice of the Statistical Offices of the European Communities and the United Nations.

Electricity data are converted from original units of gigawatt hours to million tonnes of oil equivalent using the relationship: 1 terawatt hour = 0.086 Mtoe.

For more detail on converting to heat units, see Section 3, Units and conversions.

### Primary energy conventions

When constructing an energy balance, it is necessary to adopt conventions for primary energy from several sources, such as nuclear, geothermal, solar, hydro, wind, etc. The two types of assumptions that have to be made are described below.

1. Totals in the printed publications may not add due to rounding.

## Choice of the primary energy form

For each of these sources, there is a need to define the form of primary energy to be considered; for instance, in the case of hydro energy, a choice must be made between the kinetic energy of falling water and the electricity produced. For nuclear energy, the choice is between the energy content of the nuclear fuel, the heat generated in the reactors and the electricity produced. For photovoltaic electricity, the choice is between the solar radiation received and the electricity produced.

The principle adopted by the IEA is that the primary energy form should be the first energy form downstream in the production process for which multiple energy uses are practical. The application of this principle leads to the choice of the following primary energy forms:

- **Heat** for nuclear, geothermal and solar thermal;
- **Electricity** for hydro, wind, tide/wave/ocean and solar photovoltaic.

## Calculation of the primary energy equivalent

There are essentially two methods that can be used to calculate the primary energy equivalent of the above energy sources: the partial substitution method and the physical energy content method.

**The partial substitution method:** In this method, the primary energy equivalent of the above sources of electricity generation represents the amount of energy that would be necessary to generate an identical amount of electricity in conventional thermal power plants. The primary energy equivalent is calculated using an average generating efficiency of these plants. This method has several shortcomings, including the difficulty of choosing an appropriate generating efficiency and the fact that the partial substitution method is not relevant for countries with a high share of hydro electricity. For these reasons, the IEA, as most of the international organisations, has now stopped using this method and adopted the physical energy content method.

**The physical energy content method:** This method uses the physical energy content of the primary energy source as the primary energy equivalent. As a consequence, there is an obvious link between the principles adopted in defining the primary energy forms of energy sources and the primary energy equivalent of these sources. For instance, in the case of nuclear electricity production, as heat is the primary energy form selected by the IEA, the primary

energy equivalent is the quantity of heat generated in the reactors. However, as the amount of heat produced is not always known, the IEA estimates the primary energy equivalent from the electricity generation by assuming an efficiency of 33%, which is the average of nuclear power plants in Europe.

In the case of hydro and solar PV, as electricity is the primary energy form selected, the primary energy equivalent is the physical energy content of the electricity generated in the plant, which amounts to assuming an efficiency of 100%. A more detailed presentation of the assumptions used by the IEA in establishing its energy balances is given in Section 3.

For geothermal, if no country-specific information is reported, the primary energy equivalent is calculated as follows:

- 10% for geothermal electricity;
- 50% for geothermal heat.

Since these two types of energy balances differ significantly in the treatment of electricity from solar, hydro, wind, etc., the share of renewables in total energy supply will appear to be very different depending on the method used. As a result, when looking at the percentages of various energy sources in total supply, it is important to understand the underlying conventions that were used to calculate the primary energy balances.

## Layout

The energy balances are presented in tabular format: columns for the various sources of energy and rows for the different origins and uses.

### Columns

Across the top of the table from left to right, there are eleven columns with the following headings:

**Column 1:** *Coal and peat* includes all coal, both primary (including hard coal and lignite) and derived fuels (including patent fuel, coke oven coke, gas coke, BKB, gas work gas, coke oven gas, blast furnace gas and other recovered gases). Peat is also included in this category.

**Column 2:** *Crude oil* comprises crude oil, natural gas liquids, refinery feedstocks, and additives as well as other hydrocarbons (including emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals such as oil shale, bituminous sand, etc., and oils from coal and gas liquefaction).

**Column 3:** *Oil products* comprise refinery gas, ethane, LPG, aviation gasoline, motor gasoline, jet fuels, kerosene, gas/diesel oil, fuel oil, naphtha, white spirit, lubricants, bitumen, paraffin waxes, petroleum coke and other oil products.

**Column 4:** *Natural gas* includes both ‘associated’ and ‘non-associated’ gas as well as colliery gas (excluding natural gas liquids). Note: starting with the 2011 edition, gas works gas is included with coal. In previous years, gas works gas was included with natural gas.

**Column 5:** *Nuclear* shows the primary heat equivalent of the electricity produced by a nuclear power plant with an average thermal efficiency of 33%.

**Column 6:** *Hydro* shows the energy content of the electricity produced in hydro power plants. Hydro output *excludes* output from pumped storage plants.

**Column 7:** *Geothermal, solar, etc.* shows production of geothermal, solar, wind and tide/wave/ocean energy and the use of these energy forms for electricity and heat generation. Unless the actual efficiency of the geothermal process is known, the quantity of geothermal energy entering electricity generation is inferred from the electricity production at geothermal plants assuming an average thermal efficiency of 10%. For solar, wind and tide/wave/ocean energy, the quantities entering electricity generation are equal to the electrical energy generated. Other uses shown in this column relate to geothermal and solar thermal heat.

**Column 8:** *Biofuels and waste* comprises solid biofuels, liquid biofuels, biogases, industrial waste and municipal waste. Biofuels are defined as any plant matter used directly as fuel or converted into fuels (e.g. charcoal) or electricity and/or heat. Included here are wood, vegetal waste (including wood waste and crops used for energy production), ethanol, animal materials/wastes and sulphite lyes (also known as “black liquor” which is an alkaline spent liquor from the digesters in the production of sulphate or soda pulp during the manufacture of paper where the energy content is derived from the lignin removed from the wood pulp and which is usually 65-70% solid in its concentrated form).

Municipal waste comprises wastes produced by residential and commercial/public services that are collected by local authorities for disposal in a central location for the production of heat and/or power. Hospital waste is included in this category.

Note that for biofuels, only the amounts of biomass specifically used for energy purposes (a small part of

the total) are included in the energy statistics. Therefore, the non-energy use of biomass is not taken into consideration and the quantities are null by definition. Data under this heading are often based on incomplete information. Thus, the data give only a broad impression of developments, and are not strictly comparable between countries. In some cases complete categories of vegetal fuel are omitted due to lack of information. Please refer to individual country data when consulting regional aggregates.

**Column 9:** *Electricity* shows final consumption and trade in electricity, which is accounted at the same heat value as electricity in final consumption (i.e. 1 GWh = 0.000086 Mtoe).

**Column 10:** *Heat* shows the disposition of heat produced for sale. The large majority of the heat included in this column results from the combustion of fuels although some small amounts are produced from electrically powered heat pumps and boilers. Any heat extracted from ambient air by heat pumps is shown as production.

**Column 11:** *Total* equals the total of Columns 1 to 10.

## Rows

The categories on the left hand side of the table have the following functions:

**Row 1:** *Production* is the production of primary energy, i.e. hard coal, lignite, peat, crude oil, NGL, natural gas, biofuels and waste, nuclear, hydro, geothermal, solar and the heat from heat pumps that is extracted from the ambient environment. Production is calculated after removal of impurities (e.g. sulphur from natural gas). Calculation of production of hydro, geothermal, etc. and nuclear electricity is explained in Section 3, Units and conversions.

**Row 2/3:** *Imports and exports* comprise amounts having crossed the national territorial boundaries of the country, whether or not customs clearance has taken place.

*For coal:* Imports and exports comprise the amount of fuels obtained from or supplied to other countries, whether or not there is an economic or customs union between the relevant countries. Coal in transit should not be included.

*For oil and natural gas:* Quantities of crude oil and oil products imported or exported under processing agreements (i.e. refining on account) are included. Quantities of oil in transit are excluded. Crude oil,

NGL and natural gas are reported as coming from the country of origin; refinery feedstocks and oil products are reported as coming from the country of last consignment. Re-exports of oil imported for processing within bonded areas are shown as exports of product from the processing country to the final destination.

*For electricity:* Amounts are considered as imported or exported when they have crossed the national territorial boundaries of the country. If electricity is “wheeled” or transited through a country, the amount is shown as both an import and an export.

**Row 4:** *International marine bunkers* covers those quantities delivered to ships of all flags that are engaged in international navigation. The international navigation may take place at sea, on inland lakes and waterways, and in coastal waters. Consumption by ships engaged in domestic navigation is excluded. The domestic/international split is determined on the basis of port of departure and port of arrival, and not by the flag or nationality of the ship. Consumption by fishing vessels and by military forces is also excluded. See *domestic navigation* (Row 40), *fishing* (Row 46) and *non-specified other* (Row 47).

**Row 5:** *International aviation bunkers* includes deliveries of aviation fuels to aircraft for international aviation. Fuels used by airlines for their road vehicles are excluded. The domestic/international split should be determined on the basis of departure and landing locations and not by the nationality of the airline. For many countries this incorrectly excludes fuel used by domestically owned carriers for their international departures.

*Note: In October 2008, the IEA hosted the 3rd meeting of InterEnerStat. This group is made up of 24 international organisations that collect or use energy statistics. One of the objectives of the group is to improve the quality of energy data by harmonizing definitions for energy sources and flows. As a result of this meeting, the IEA decided to align its energy statistics and balances with most other international organisations and to treat international aviation bunkers in the same way as international marine bunkers. Starting with the 2009 edition, international aviation bunkers is subtracted out of supply in the same way as international marine bunkers. This differs from the treatment of international aviation bunkers in the annual oil statistics published in Oil Information.*

For World, *World marine bunkers* and *World aviation bunkers* represent the sum of *International bunkers* from all countries. They are not subtracted out of the *Supply*, but included in *Transport*.

**Row 6:** *Stock changes* reflects the difference between opening stock levels on the first day of the year and closing levels on the last day of the year of stocks on national territory held by producers, importers, energy transformation industries and large consumers. A stock build is shown as a negative number, and a stock draw as a positive number.

**Row 7:** *Total primary energy supply (TPES)* is made up of *production* (Row 1) + *imports* (Row 2) - *exports* (Row 3) - *international marine bunkers* (Row 4) - *international aviation bunkers* (Row 5) ± *stock changes* (Row 6).

**Row 8:** *Transfers* include interproduct transfers, products transferred and recycled products (e.g. used lubricants which are reprocessed).

**Row 9:** *Statistical differences* includes the sum of the unexplained statistical differences for individual fuels, as they appear in the basic energy statistics. It also includes the statistical differences that arise because of the variety of conversion factors in the coal and oil columns. See introduction to *Energy Statistics of Non-OECD Countries* for further details.

**Row 10:** *Electricity plants* refers to plants which are designed to produce electricity only. If one or more units of the plant is a CHP unit (and the inputs and outputs can not be distinguished on a unit basis) then the whole plant is designated as a CHP plant. Both main activity producer<sup>2</sup> and autoproducer<sup>3</sup> plants are included here. Columns 1 through 8 show the use of primary and secondary fuels for the production of electricity as negative entries. Heat from chemical processes used for electricity generation will appear in Column 10. Gross electricity produced (including power stations' own consumption) appears as a positive quantity in the electricity column. Transformation losses appear in the total column as a negative number.

**Row 11:** *Combined heat and power plants (CHP)*, refers to plants which are designed to produce both heat and electricity, sometimes referred as co-generation power stations. If possible, fuel inputs and electricity/heat outputs are on a unit basis rather than on a plant basis. However, if data are not available on a unit basis, the convention for defining a CHP plant noted above is adopted. Both main activity producer

2. Main activity producer generate electricity and/or heat for sale to third parties, as their *primary activity*. They may be privately or publicly owned. Note that the sale need not take place through the public grid.

3. Autoproducer undertakings generate electricity and/or heat, wholly or partly for their own use as an activity which supports their primary activity. They may be privately or publicly owned.



and autoproducer plants are included here. *Note that for autoproducer CHP plants, all fuel inputs to electricity production are taken into account, while only the part of fuel inputs to heat sold is shown. Fuel inputs for the production of heat consumed within the autoproducer's establishment are not included here but are included with figures for the final consumption of fuels in the appropriate consuming sector.*

Columns 1 through 8 show the use of primary and secondary fuels for the production of electricity and heat as negative entries. Total gross electricity produced appears as a positive quantity in the electricity column and heat produced appears as a positive number in the heat column. Transformation losses appear in the total column as a negative number.

**Row 12:** *Heat plants* refers to plants (including heat pumps and electric boilers) designed to produce heat only, which is sold to a third party under the provisions of a contract. Both main activity producer and autoproducer plants are included here. Heat pumps that are operated within the residential sector where the heat is not sold are not considered a transformation process and are not included here - the electricity consumption appears as residential use.

Columns 1 through 8 show the use of primary and secondary fuels in a heating system that transmits and distributes heat from one or more energy sources to, among others, residential, industrial, and commercial consumers, for space heating, cooking, hot water and industrial processes.

**Row 13:** *Blast furnaces* contains inputs to and outputs of fuels from blast furnaces. It is often difficult to correctly account for all inputs and outputs in energy transformation industries, and to separate energy that is transformed from energy that is combusted. As a result, in certain cases the data in the total column are positive numbers, indicating a problem in the underlying energy data.

**Row 14:** *Gas works* contains the inputs to and outputs from plants manufacturing gases for distribution to the public, either directly or after blending with natural gas. The coal column will contain the output of gas works gas minus any inputs of coal and coal products into the gas works. Inputs of oil products or natural gas into the gas works will figure as negative numbers with conversion losses appearing in the total column.

**Row 15:** *Coke/patent fuel/BKB plants* contains losses in transformation of coal from primary to secondary fuels and from secondary to tertiary fuels (hard coal to coke and patent fuel, lignite to BKB, etc.).

**Row 16:** *Oil refineries* shows the use of primary energy for the manufacture of finished oil products and the corresponding output. Thus, the total reflects transformation losses. In certain cases the data in the total column are positive numbers. This can be due either to problems in the primary refinery balance, or to the fact that the IEA uses regional net calorific values for oil products.

**Row 17:** *Petrochemical plants* covers backflows returned from the petrochemical industry. Note that backflows from oil products that are used for non-energy purposes (*i.e.* white spirit and lubricants) are not included here, but in non-energy use.

**Row 18:** *Liquefaction plants* includes diverse liquefaction processes, such as coal liquefaction plants and gas-to-liquid plants.

**Row 19:** *Other transformation* covers non-specified transformation not shown elsewhere, such as the transformation of primary solid biofuels into charcoal.

**Row 20:** *Energy industry own use* contains the primary and secondary energy consumed by transformation industries for heating, pumping, traction and lighting purposes [ISIC<sup>4</sup> 05, 06, 19 and 35, Group 091 and Classes 0892 and 0721]. These quantities are shown as negative figures. Included here are, for example, own use of energy in coal mines, own consumption in power plants (which includes net electricity consumed for pumped storage) and energy used for oil and gas extraction.

**Row 21:** *Losses* includes losses in energy distribution, transmission and transport.

**Row 22:** *Total final consumption* (TFC) is the sum of consumption by the different end-use sectors. Backflows from the petrochemical industry are not included in final consumption (see Row 17, *petrochemical plants* and Row 52, *of which petrochemical feedstocks*).

**Rows 23-36:** *Industry* consumption is specified by sub-sector as listed below (Note - energy used for transport by industry is not included here but is reported under transport):

*Iron and steel industry* [ISIC Group 241 and Class 2431];

*Chemical and petrochemical industry* [ISIC Divisions 20 and 21] excluding petrochemical feedstocks;

4. International Standard Industrial Classification of All Economic Activities, Series M, No. 4 / Rev. 4, United Nations, New York, 2008.

*Non-ferrous metals* basic industries [ISIC Group 242 and Class 2432];

*Non-metallic minerals* such as glass, ceramic, cement, etc. [ISIC Division 23];

*Transport equipment* [ISIC Divisions 29 and 30];

*Machinery* comprises fabricated metal products, machinery and equipment other than transport equipment [ISIC Divisions 25 to 28];

*Mining (excluding fuels) and quarrying* [ISIC Divisions 07 and 08 and Group 099];

*Food and tobacco* [ISIC Divisions 10 to 12];

*Paper, pulp and printing* [ISIC Divisions 17 and 18];

*Wood and wood products* (other than pulp and paper) [ISIC Division 16];

*Construction* [ISIC Divisions 41 to 43];

*Textile and leather* [ISIC Divisions 13 to 15];

*Non-specified*<sup>5</sup> (any manufacturing industry not included above) [ISIC Divisions 22, 31 and 32].

Note: Most countries have difficulties supplying an industrial breakdown for all fuels. In these cases, the *non-specified* industry row has been used. Regional aggregates of industrial consumption should therefore be used with caution.

**Rows 37-43:** *Transport* includes all fuels used for transport [ISIC Divisions 49 to 51] except international marine bunkers and international aviation bunkers. It includes transport in industry and covers *domestic aviation, road, rail, pipeline transport, domestic navigation* and *non-specified transport*. Domestic aviation includes deliveries of aviation fuels to aircraft for domestic aviation – commercial, private, agriculture, etc. It includes use for purposes other than flying, e.g. bench testing of engines, but not airline use of fuel for road transport. The domestic/international split should be determined on the basis of departure and landing locations and not by the nationality of the airline. Note that this may include journeys of considerable length between two airports in a country (e.g. San Francisco to Honolulu). For many countries, the split between international aviation and domestic aviation incorrectly allocates fuel use for both domestic and international departures of domestically owned

carriers to domestic air. Fuel used for ocean, coastal and inland fishing (included under *fishing*) and military consumption (included in *other non-specified*) are excluded from transport.

**Rows 44-49:** *Other* covers *residential* [ISIC Divisions 97 and 98, although this is only a small part of residential], *commercial and public services* [ISIC Divisions 33, 36-39, 45-47, 52, 53, 55, 56, 58-66, 68-75, 77-82, 84 (excluding Class 8422), 85-88, 90-96 and 99], *agriculture/forestry* [ISIC Divisions 01 and 02], *fishing* [ISIC Division 03] and *non-specified consumption*. *Non-specified* includes military fuel use for all mobile and stationary consumption (e.g. ships, aircraft, road and energy used in living quarters) regardless of whether the fuel delivered is for the military of that country or for the military of another country. In many cases administrations find it impossible to distinguish energy consumption in *commercial and public services* from *residential* consumption. Some cannot distinguish consumption in *agriculture* from that in *residential*. In these cases, residential will also include consumption in agriculture and/or commercial/public services. The *other* total is, therefore, more accurate than its components.

**Rows 50-54:** *Non-energy use* covers those fuels that are used as raw materials in the different sectors and are not consumed as a fuel or transformed into another fuel. Non-energy use is shown separately in final consumption under the heading *non-energy use*.

Note that for biofuels, only the amounts of biomass specifically used for energy purposes (a small part of the total) are included in the energy statistics. Therefore, the non-energy use of biomass is not taken into consideration and the quantities are null by definition.

*of which: petrochemical feedstocks.* The petrochemical industry includes cracking and reforming processes for the purpose of producing ethylene, propylene, butylene, synthesis gas, aromatics, butadiene and other hydrocarbon-based raw materials in processes such as steam cracking, aromatics plants and steam reforming [part of ISIC Group 201].

**Rows 55-57:** *Electricity generated* shows the total number of GWh generated by installations separated into electricity plants and CHP plants. Production includes electricity from combustible fuels, nuclear, hydro (excluding pumped storage production), geothermal, etc. (see, however, the notes on Rows 10 and 11). Electricity produced by heat from chemical processes is shown in the *heat* column.

5. In the short country tables, non-specified is shown together with other categories not explicitly listed (Other/non-specified).

**Rows 58-60:** *Heat generated* shows the total number of TJ generated installations separated into CHP plants and heat plants. Heat produced by electric boilers is shown in the *electricity* column. Heat produced by heat pumps, heat from chemical processes and heat from non-specified combustible fuels is shown in the *heat* column.

## Indicators

**Energy production:** total primary energy production, expressed in Mtoe.

**Net imports:** imports minus exports, expressed in Mtoe.

**Total primary energy supply:** expressed in Mtoe.

**Oil supply:** primary supply of oil, expressed in Mtoe.

**Electricity consumption:** domestic consumption (*i.e.* gross production) + imports - exports - losses, expressed in GWh.

**Population:** the main source of the population data is *World Development Indicators*, The World Bank, Washington D.C., 2012.

Population data for **Chinese Taipei, Gibraltar, Iraq, Former Soviet Union** (before 1990), **Former Yugoslavia** (before 1990) and for a few countries within the regions<sup>6</sup> **Other Africa, Other Non-OECD Americas** and **Other Asia** are based on the CHELEM-CEPII online database, 2012. Population data for **Cyprus** is calculated using the 2010 population growth rate given by Eurostat, 2012.

**GDP:** The main source of the GDP data is *World Development Indicators*, The World Bank, Washington D.C., 2012.

GDP figures for **Chinese Taipei, Cyprus** (1971-1973), **Ethiopia, Gibraltar, Myanmar, Netherlands Antilles** (available from 1980), **North Korea, Former Soviet Union** (before 1990), **Former Yugoslavia** (before 1990) and a few countries within the regions<sup>6</sup> **Other Africa, Other Non-OECD Americas**<sup>7</sup> and **Other Asia** are based on the CHELEM-CEPII online databases, 2012.

The GDP data have been compiled for individual countries at market prices in local currency and annual rates. These data have been scaled up/down to the price levels of 2005 and then converted to USD using the yearly average 2005 exchange rates.

**GDP PPP:** The main source of the GDP PPP data is *World Development Indicators*, The World Bank, Washington, D.C., 2012. However, this source is available for GDP PPP (constant 2005 USD) only from 1980. Therefore, prior to 1980 GDP PPP data have been estimated based on the growth rates of the CHELEM-CEPII online database, 2012. GDP PPP figures for **Chinese Taipei, Zimbabwe, Dominican Republic, Gibraltar, Netherlands Antilles** (available from 1980), **North Korea, Former Soviet Union** (before 1990), **Former Yugoslavia** (before 1990) and a few countries within the regions<sup>6</sup> **Other Africa, Other Non-OECD Americas** and **Other Asia** are based on the CHELEM-CEPII online databases, 2012.

GDP PPP figures for **Bosnia and Herzegovina** (up to 1993), **Haiti** (up to 1990), **Iraq** (up to 1996), **Libya** (up to 1998), **Tanzania** (up to 1987), **Vietnam** (up to 1983) and **Yemen** (up to 1989) have been estimated based on the growth rates of the CHELEM-CEPII online database, 2012.

Both sources have rebased the GDP PPP series from 2000 USD to 2005 USD. As a result, those series and all associated ratios now refer to 2005 USD.

6. Due to lack of complete time series, figures for population and for GDP of Other Non-OECD Americas do not include British Virgin Islands, Cayman Islands, Falkland Islands, Martinique, Montserrat, Saint Pierre and Miquelon, and Turks and Caicos Islands; and figures for population and GDP of Other Asia do not include Cook Islands.

7. Due to lack of a complete series of GDP data, regional aggregates for GDP and GDP PPP do not include Netherlands Antilles from 1971 to 1979.



## 3. UNITS AND CONVERSIONS

### General conversion factors for energy

To:	TJ	Gcal	Mtoe	MBtu	GWh
From:	multiply by:				
terajoule (TJ)	1	238.8	$2.388 \times 10^{-5}$	947.8	0.2778
gigacalorie (Gcal)	$4.1868 \times 10^{-3}$	1	$10^{-7}$	3.968	$1.163 \times 10^{-3}$
million tonne of oil equivalent (Mtoe)	$4.1868 \times 10^4$	$10^7$	1	$3.968 \times 10^7$	11630
million British thermal unit (MBtu)	$1.0551 \times 10^{-3}$	0.252	$2.52 \times 10^{-8}$	1	$2.931 \times 10^{-4}$
gigawatt hour (GWh)	3.6	860	$8.6 \times 10^{-5}$	3412	1

### Conversion factors for mass

To:	kg	t	lt	st	lb
From:	multiply by:				
kilogramme (kg)	1	0.001	$9.84 \times 10^{-4}$	$1.102 \times 10^{-3}$	2.2046
tonne (t)	1000	1	0.984	1.1023	2204.6
long ton (lt)	1016	1.016	1	1.120	2240.0
short ton (st)	907.2	0.9072	0.893	1	2000.0
pound (lb)	0.454	$4.54 \times 10^{-4}$	$4.46 \times 10^{-4}$	$5.0 \times 10^{-4}$	1

### Conversion factors for volume

To:	gal U.S.	gal U.K.	bbl	ft <sup>3</sup>	l	m <sup>3</sup>
From:	multiply by:					
U.S. gallon (gal)	1	0.8327	0.02381	0.1337	3.785	0.0038
U.K. gallon (gal)	1.201	1	0.02859	0.1605	4.546	0.0045
barrel (bbl)	42.0	34.97	1	5.615	159.0	0.159
cubic foot (ft <sup>3</sup> )	7.48	6.229	0.1781	1	28.3	0.0283
litre (l)	0.2642	0.220	0.0063	0.0353	1	0.001
cubic metre (m <sup>3</sup> )	264.2	220.0	6.289	35.3147	1000.0	1

## Decimal prefixes

10 <sup>1</sup>	deca (da)	10 <sup>-1</sup>	deci (d)
10 <sup>2</sup>	hecto (h)	10 <sup>-2</sup>	centi (c)
10 <sup>3</sup>	kilo (k)	10 <sup>-3</sup>	milli (m)
10 <sup>6</sup>	mega (M)	10 <sup>-6</sup>	micro ( $\mu$ )
10 <sup>9</sup>	giga (G)	10 <sup>-9</sup>	nano (n)
10 <sup>12</sup>	tera (T)	10 <sup>-12</sup>	pico (p)
10 <sup>15</sup>	peta (P)	10 <sup>-15</sup>	femto (f)
10 <sup>18</sup>	exa (E)	10 <sup>-18</sup>	atto (a)

## Coal

Coal has separate net calorific values for production, imports, exports, inputs to electricity/heat generation and coal used in coke ovens, blast furnaces and industry. All other flows are converted using an average net calorific value. Country-specific net calorific values for 2010 are given in Part II.

## Crude oil

Country-specific net calorific values (NCV) for production, imports and exports by country are used to calculate the balances. The average value is used to convert all the other flows to heat values. Country-specific net calorific values for 2010 are given in Part II.

## Gas

*Energy Statistics of Non-OECD Countries* expresses the following gases in terajoules, using their gross calorific value.

1 terajoule = 0.00002388 Mtoe.

To calculate the net heat content of a gas from its gross heat content, multiply the gross heat content by the appropriate following factor.

Gas	Gross to net ratio
Natural gas	0.9
Gas works gas	0.9
Coke oven gas	0.9
Blast furnace gas	1.0
Other recovered gases	1.0

## Biofuels and waste

The heat content of primary solid biofuels, biogases, municipal waste and industrial waste, expressed in terajoules on a net calorific value basis, is presented in *Energy Statistics of Non-OECD Countries*. The Secretariat does not receive information on volumes and other characteristics of these fuels.

1 terajoule = 0.00002388 Mtoe.

Data for charcoal are converted from tonnes using the average net calorific values given in Part II.

Unless country-specific information has been provided, data for biogasoline are converted from tonnes using 26 800 kJ/kg. Biodiesels and other liquid biofuels are assumed to have a net calorific value of 36 800 kJ/kg unless otherwise specified.

## Oil products

The IEA applies regional conversion factors (in conjunction with Eurostat for the European countries) for oil products.

## Regional net calorific values for oil products

Oil products	Regional defaults		Specific values for selected countries			
	Europe*	Non-OECD	Algeria	Brazil	Malaysia	South Africa
	kJ/kg	kJ/kg	kJ/kg	kJ/kg	kJ/kg	kJ/kg
Refinery gas	49 500	48 100	-	35 008	-	-
Ethane	49 500	49 400	-	-	-	-
Liquefied petroleum gases	46 000	47 300	49 404	46 473	45 575	46 767
Motor gasoline	44 000	44 800	-	43 543	43 991	44 045
Aviation gasoline	44 000	44 800	-	44 380	43 961	45 552
Gasoline type jet fuel	43 000	44 800	-	-	-	40 738
Kerosene type jet fuel	43 000	44 600	-	43 543	43 208	41 073
Other Kerosene	43 000	43 800	-	43 543	43 208	43 250
Gas/diesel oil	42 600	43 300	-	42 267	42 496	42 915
Fuel oil	40 000	40 200	-	40 151	41 533	41 826
Naphtha	44 000	45 000	-	44 506	44 129	44 924
White spirit	43 600	43 000	-	47 060	43 208	42 496
Lubricants	42 000		-	42 372	42 119	-
Bitumen	39 000		-	40 828	41 826	-
Paraffin waxes	40 000		-	-	-	-
Petroleum coke	32 000		-	35 007	36 383	-
Non-specified oil products	40 000		-	40 817	42 496	-

\* Defaults for Europe were applied to non-OECD Europe and Eurasia.

## Electricity

Figures for electricity production, trade, and final consumption are calculated using the energy content of the electricity (*i.e.* at a rate of 1 TWh = 0.086 Mtoe).

Hydro-electricity production (excluding pumped storage) and electricity produced by other non-thermal means (wind, tide/wave/ocean, photovoltaic, etc.) are accounted for similarly using 1 TWh = 0.086 Mtoe.

The primary energy equivalent of nuclear electricity is calculated from the gross generation by assuming a 33% conversion efficiency, *i.e.* 1 TWh = (0.086 ÷ 0.33) Mtoe.

In the case of electricity produced from geothermal heat, if the actual geothermal efficiency is not known, then the primary equivalent is calculated assuming an efficiency of 10%, so 1 TWh = (0.086 ÷ 0.1) Mtoe.

## Heat

Information on heat is supplied in terajoules and 1 terajoule = 0.00002388 Mtoe.

In the case of heat produced in a geothermal plant, if the actual geothermal efficiency is not known, then the primary equivalent is calculated assuming an efficiency of 50%, so 1 TWh = (0.086 ÷ 0.5) Mtoe.

For direct use of geothermal and solar thermal heat, all the heat consumed is accounted for in production and consumption.

## Examples

The following examples indicate how to calculate the net calorific content (in Mtoe) of the quantities expressed in original units in *Energy Statistics of Non-OECD Countries*.

From original units	To Mtoe (NCV)
Coking coal production (Colombia) for 2010 in thousand tonnes	divide by 41 868 and then multiply by 27.214
Natural gas in terajoules (gross)	multiply by 0.00002388 and then multiply by 0.9
Motor gasoline (except Brazil, Malaysia and South Africa) in thousand tonnes	divide by 41 868 and then multiply by 44.800
Heat in terajoules (net)	multiply by 0.00002388





## 4. GEOGRAPHICAL COVERAGE

**Africa** includes Algeria, Angola, Benin, Botswana (from 1981), Cameroon, Congo, Democratic Republic of Congo, Côte d'Ivoire, Egypt, Eritrea, Ethiopia, Gabon, Ghana, Kenya, Libya, Morocco, Mozambique, Namibia (from 1991), Nigeria, Senegal, South Africa, Sudan, United Republic of Tanzania, Togo, Tunisia, Zambia, Zimbabwe and **Other Africa**.

**Other Africa** includes Botswana (until 1980), Burkina Faso, Burundi, Cape Verde, Central African Republic, Chad, Comoros, Djibouti, Equatorial Guinea, Gambia, Guinea, Guinea-Bissau, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Namibia (until 1990), Niger, Reunion, Rwanda, Sao Tome and Principe, Seychelles, Sierra Leone, Somalia, Swaziland, Uganda and Western Sahara (from 1990).

**Middle East** includes Bahrain, Islamic Republic of Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, United Arab Emirates and Yemen.

**Non-OECD Europe and Eurasia** includes Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus<sup>1</sup>, Georgia, Gibraltar, Kazakhstan, Kosovo, Kyrgyzstan, Latvia, Lithuania, Former Yugoslav Republic of Macedonia (FYROM), Malta, Republic of Moldova, Montenegro, Romania, Russian Federation, Serbia<sup>2</sup>, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Former Soviet Union and Former Yugoslavia.

**Non-OECD Americas**<sup>3</sup> includes Argentina, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti,

Honduras, Jamaica, Netherlands Antilles<sup>4</sup>, Nicaragua, Panama, Paraguay, Peru, Trinidad and Tobago, Uruguay, Venezuela and **Other Non-OECD Americas**.

**Other Non-OECD Americas** includes Antigua and Barbuda, Aruba, Bahamas, Barbados, Belize, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Falkland Islands, French Guyana, Grenada, Guadeloupe, Guyana, Martinique, Montserrat, Puerto Rico<sup>5</sup> (for natural gas and electricity), St. Kitts and Nevis, Saint Lucia, Saint Pierre et Miquelon, St. Vincent and the Grenadines, Suriname, and Turks and Caicos Islands.

**China** includes the People's Republic of China and Hong Kong (China).

**Asia** includes Bangladesh, Brunei Darussalam, Cambodia (from 1995), Chinese Taipei, India, Indonesia, DPR of Korea, Malaysia, Mongolia (from 1985), Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Vietnam and **Other Asia**.

**Other Asia** includes Afghanistan, Bhutan, Cambodia (until 1994), Cook Islands, East Timor, Fiji, French Polynesia, Kiribati, Laos, Macau, Maldives, Mongolia (until 1984), New Caledonia, Palau (from 1994), Papua New Guinea, Samoa, Solomon Islands, Tonga and Vanuatu.

The **Organisation for Economic Co-Operation and Development (OECD)** includes Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece,

1. See the note on Cyprus in Part I.5, Country notes and sources.

2. Serbia includes Montenegro until 2004 and Kosovo until 1999.

3. Due to lack of a complete series of GDP data, regional aggregates for GDP and GDP PPP do not include Netherlands Antilles from 1971 to 1979.

4. The Netherlands Antilles was dissolved on 10 October 2010 resulting in two new 'constituent countries' (Curaçao and Saint Maarten) with the other islands joining The Netherlands as 'special municipalities'. However, due to lack of detailed data the Secretariat's data and estimates under the 'Netherlands Antilles' still refer to the whole territory of the Netherlands Antilles as it was known prior to 10 October 2010.

5. Oil statistics as well as coal trade statistics for Puerto Rico are included under the United States.

Hungary, Iceland, Ireland, Israel<sup>6</sup>, Italy, Japan, Korea, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, the United Kingdom and the United States.

**OECD Americas** includes Canada, Chile, Mexico and the United States.

**OECD Asia Oceania** includes Australia, Israel, Japan, Korea and New Zealand.

**OECD Europe** includes Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Estonia and Slovenia are included starting in 1990. Prior to 1990, Estonia is included in Former Soviet Union and Slovenia is included in Former Yugoslavia.

Within the **OECD**:

- **Australia** excludes the overseas territories;
- **Denmark** excludes Greenland and the Danish Faroes, except prior to 1990, where data on oil for Greenland were included with the Danish statistics. The Administration is planning to revise the series back to 1974 to exclude these amounts;
- **France** includes Monaco, and excludes the following overseas departments and territories: Guadeloupe, Guyana, Martinique, New Caledonia, French Polynesia, Reunion, and St.-Pierre and Miquelon;
- **Germany** includes the new federal states of Germany from 1970 onwards;
- **Italy** includes San Marino and the Vatican;
- **Japan** includes Okinawa;
- The **Netherlands** excludes Suriname and the Netherlands Antilles<sup>4</sup>;

- **Portugal** includes the Azores and Madeira;
- **Spain** includes the Canary Islands;
- **Switzerland** includes Liechtenstein for oil data;
- Shipments of coal and oil to the Channel Islands and the Isle of Man from the **United Kingdom** are not classed as exports. Supplies of coal and oil to these islands are, therefore, included as part of UK supply. Exports of natural gas to the Isle of Man are included with the exports to Ireland.
- **United States** includes the 50 states and the District of Columbia. Oil statistics as well as coal trade statistics also include Puerto Rico<sup>7</sup>, Guam, the Virgin Islands, American Samoa, Johnston Atoll, Midway Islands, Wake Island and the Northern Mariana Islands.

The **European Union - 27 (EU-27)** includes Austria, Belgium, Bulgaria, Cyprus<sup>1</sup>, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, the Slovak Republic, Slovenia, Spain, Sweden and the United Kingdom. Please note that in the interest of having comparable data, all these countries are included since 1990 despite different entry dates into the European Union.

The **Organisation of the Petroleum Exporting Countries (OPEC)** includes Algeria, Angola, Ecuador, Islamic Republic of Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates and Venezuela.

Please note that the following countries have not been considered due to lack of data:

- **Non-OECD Europe and Eurasia:** Liechtenstein<sup>8</sup> (except for oil data);
- **Africa:** Saint Helena;
- **Other Non-OECD Americas:** Anguilla;
- **Asia:** Christmas Island, Nauru and Niue.

6. The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

7. Natural gas and electricity data for Puerto Rico are included under Other Non-OECD Americas.

8. Oil data for Liechtenstein are included under Switzerland.

## 5. COUNTRY NOTES AND SOURCES

In the references below, both the statistical year (2010) for which data are being published in this edition as well as publication dates of the many documents which have been consulted during the development of this publication are mentioned. As a general rule, where specific documents or personal communications have been used, the date that is referenced is the date of publication of the document or the date of the communication, whereas, where data received through the completion of questionnaires are mentioned, the date that is referenced is the statistical year for which data are being published in this edition, namely 2010.

### General references

- Annual Bulletin of Coal Statistics for Europe*, Economic Commission for Europe (ECE), New York, 1994.
- Annual Bulletin of Electric Energy Statistics for Europe*, Economic Commission for Europe (ECE), New York, 1994.
- Annual Bulletin of Gas Statistics for Europe*, Economic Commission for Europe (ECE), New York, 1994.
- Annual Bulletin of General Energy Statistics for Europe*, Economic Commission for Europe (ECE), New York, 1994.
- Annual Crude Steel production*, World Steel Association, [www.worldsteel.org/statistics](http://www.worldsteel.org/statistics).
- Annual Report July 1991-June 1992*, South African Development Community (SADC), Gaborone, 1993.
- Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.
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- APEC Energy Database*, Tokyo, 2011.
- Arab Oil and Gas Directory*, Arab Petroleum Research Centre, Paris, various editions up to 2011.
- ASEAN Energy Review 1995 Edition*, ASEAN-EC Energy Management Training and Research Centre (AEEMTRC), Jakarta, 1996.
- Asia Pacific Databook*, FACTS Global Energy, Singapore, various editions up to 2011.
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- Base CHELEM-PIB*, Centre d'Etudes Prospectives et d'Informations Internationales (CEPII), Paris, 2008 to 2011.
- Centroamérica: Estadísticas de Hidrocarburos*, Comisión Económica para América y el Caribe (CEPAL), United Nations, Mexico, 2009.
- CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2011.
- Eastern Bloc Energy*, Tadcaster, various issues to May 1999.
- Energy Indicators of Developing Member Countries*, Asian Development Bank (ADB), Manila, 1994.
- Energy-Economic Information System (SIEE)*, Latin American Energy Organization (OLADE), Ecuador, 2011.
- Energy Statistics Yearbook 1990*, South African Development Community (SADC), Luanda, 1992.
- Energy Statistics Yearbook 2008*, United Nations, New York, 2011.

*External Trade of the CIS countries*, The Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, 2005.

*Forestry Data*, Food and Agriculture Organisation of the United Nations, Rome, 2000.

*Foreign Scouting Service, Commonwealth of Independent States*, IHS Energy Group – IEDS Petroconsultants, Geneva.

*Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

*Global E&P Service, Commonwealth of Independent States*, IHS Energy Group – IEDS Petroconsultants, Geneva.

*International Energy Annual*, Energy Information Administration (EIA), Washington, D.C., 1991 to 1994.

*International Energy Data Report 1992*, World Energy Council, London, 1993.

*Les Centrales Nucléaires dans le Monde*, Commissariat à l'Énergie Atomique, Paris, 2009.

Lund et. al, *Direct Utilization of Geothermal Energy 2010 Worldwide Review*, World Geothermal Congress, Bali, 2010.

*Middle East Economic Survey (MEES)*, Nicosia, various issues to June 1999.

*Middle East Petroleum Databook*, FACTS Global Energy Group, Singapore, various editions up to 2011.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

*Natural Gas Vehicles Statistics*, International Association for Natural Gas Vehicles, online database: [www.iangv.org](http://www.iangv.org).

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*Pétrole 1994*, Comité Professionnel du Pétrole (CPDP), Paris, 1995.

Pirani et al, *Russian and CIS Gas Markets and Their Impact on Europe*, Oxford University Press, Oxford, 2009.

*PIW's Global Oil Stocks & Balances*, New York, various issues to June 1995.

*PlanEcon Energy Outlook for Eastern Europe and the Former Soviet Republics*, Washington, 2003.

*PlanEcon Energy Outlook for the Former Soviet Republics*, Washington, June 1995 and 1996.

*Prospects of Arab Petroleum Refining Industry*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, 1990.

*Review of Wood Energy Data in RWEDP Member Countries*, Regional Wood Energy Development Programme in Asia, Food and Agriculture Organisation of the United Nations, Bangkok, 1997.

*SIE-Afrique (Systèmes d'Information Énergétique – Afrique)*, projet promu par ECONOTEC et Institut de l'Énergie et de l'Environnement de la Francophonie (IEPF), organe subsidiaire de l'Organisation Internationale de la Francophonie (OIF).

*Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, various editions up to 2011.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2011.

*Statistical Bulletin*, The InterState Statistical Committee of the Commonwealth of Independent States, Moscow, 1993 and 1994.

*Statistiques économiques*, Banque des Etats de l'Afrique Centrale (BEAC), online database 2011.

*Statistical Handbook 1993 - States of the Former USSR*, The World Bank, Washington, 1993.

*Statistical Yearbook*, The Interstate Statistical Committee of the Commonwealth of Independent States, Moscow, various editions up to 2011.

*Statistical Yearbook of the Member States of the CMEA*, Council of Mutual Economic Assistance (CMEA), Moscow, 1985 and 1990.

*Statistiques économiques*, Banque des Etats de l'Afrique Centrale (BEAC), online database 2011.

*The LNG Industry*, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, various editions up to 2011.

*The United Nations Energy Statistics Database*, United Nations Statistical Office, New York, 2011.

*World Development Indicators 2010*, The World Bank, Washington, 2011.

**Note:**

- The OLADE database was used for several Non-OECD Americas countries.
- The UN database was the only source of information for time series of the countries not listed individually and included in the regions Other Africa, Other Non-OECD Americas and Other Asia. It was also used in a number of other countries as a complementary data source.

## Albania

For 1993, large quantities of oil, widely reported to have moved through Albania into Former Yugoslavia, may not be included in oil trade. Although estimated to represent up to 100 per cent of domestic consumption levels, no reliable figures for this trade were available.

### **Sources 2005 to 2010:**

*Energy Balances 2005-2010*, Energy Department of the National Agency of Natural Resources of Albania, Tirana.

Secretariat estimates.

### **Sources up to 2004:**

UNECE annual energy questionnaires 1994, 1995, 1998.

*Energy Balances*, National Agency of Energy of Albania, 1999 to 2004.

*The UN Energy Statistics Database*.

Aide Memoire of World Bank Mission to Albania May/June 1991.

Secretariat estimates.

### **Sources for Biofuels and waste:**

*The UN Energy Statistics Database*.

UNECE annual energy questionnaires.

Secretariat estimates.

## Algeria

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Revision was made to the energy balance in 2009 and 2010 which adds more detail for certain products and flows. This may result in breaks in time series between 2008 and 2009.

### **Sources 1990 to 2010:**

Direct communication with the Ministry of Energy and Mining, Algiers.

### **Additional sources 2008:**

SONELGAZ, Société nationale de l'électricité et du gaz, online statistics on electricity production, Algiers.

### **Sources up to 1989:**

*Bilan Energétique National*, Gouvernement Algérien, Algiers, 1984.

*Algérie Energie, No 6*, Ministère de l'Energie et des Industries Chimiques et Pétrochimiques, Algiers, 1979 to 1983.

*Annuaire Statistique de l'Algérie 1980-1984*, Office National des Statistiques, Algiers, 1985.

### **Sources for Biofuels and waste:**

The *UN Energy Statistics Database*.

Ministry of Energy and Mining.

Secretariat estimates.

## Angola

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

### **Sources 2003 to 2010:**

*Relatoria de Activadas do Sector Petrolifero*, Ministerio dos petróleos, Luanda, 2007 and 2008 editions.

*Annual Report*, Southern African Power Pool, Harare, various editions up to 2010.

Secretariat estimates.

### **Sources 1992 to 2002:**

Direct communication with oil industry sources.

Secretariat estimates.

*Eskom Annual Statistical Yearbook, 1993, 1994, 1995* citing Empresa Nacional de Electricidad as a source, Johannesburg, 1994-1996.

*The UN Energy Statistics Database*.

### **Sources up to 1991:**

*Le Pétrole et l'Industrie Pétrolière en Angola en 1985*, Poste d'Expansion Economique de Luanda, Luanda, 1985.

### **Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from African Energy Programme of the African Development Bank, *Forests and Biomass Sub-sector in Africa*, Abidjan, 1996.

## Argentina

In 2010, a sharp reduction in fuel oil use by international marine bunkers has been confirmed from different data sources.

### *Sources up to 2010:*

Direct communication with the Ministry of Economy, Secretariat of Energy, Buenos Aires.

*Balance Energético Nacional*, Ministerio de Economía, Secretaría de Energía, Buenos Aires, various editions up to 2011.

*Informe del sector eléctrico*, Ministerio de Planificación Federal, Inversión Pública y Servicios, Secretaría de Energía, Dirección Nacional de Prospectiva, Buenos Aires, various editions up to 2011.

*Información del mercado de hidrocarburos*, Ministerio de Planificación Federal, Inversión Pública y Servicios, Secretaría de Energía, Dirección Nacional de Prospectiva, Buenos Aires, various editions up to 2011.

*Informe Enargas*, Enargas, Buenos Aires, various editions up to 2011.

*Camara Argentina de Biocombustibles*, online statistics.

*Informe del sector eléctrico*, Ministerio de Economía, Secretaría de Energía, Buenos Aires, 1986 to 2003.

*Anuario de Combustibles*, Ministerio de Economía, Secretaría de Energía, Buenos Aires, 1980 to 2003.

*Anuario Estadístico del sector energético Argentino*, Instituto Argentino de la Energía "General Mosconi", Buenos Aires, 2000.

*Anuario Estadístico de la República Argentina*, Instituto Nacional de Estadística y Censos, Buenos Aires, September 1997.

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*Natural Gas Projection up to 2000*, Gas del Estado Argentina, Buenos Aires, 1970, 1984 to 1986.

*Anuario Estadístico de la República Argentina 1970-1981*, Instituto Nacional de Estadística y Censos, Secretaría de Planificación, Buenos Aires, 1982.

*Plan Energético Nacional 1986-2000*, Ministerio de Economía, Secretaría de Energía, Subsecretaría de Planificación Energética, Buenos Aires, 1985.

*Anuario Estadístico*, Yacimientos Petrolíferos Fiscales, Buenos Aires, 1984 to 1987.

*Memoria y Balance General*, Yacimientos Petrolíferos Fiscales, Buenos Aires, 1984 to 1986.

## Armenia

Data for Armenia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### *Sources 1992 to 2010:*

Direct communication with National Statistical Service, Yerevan.

UNECE annual energy questionnaires on Coal, Electricity and heat, Natural gas, Oil.

### *Sources 1990 to 1991:*

Secretariat estimates.

### *Sources for Biofuels and waste:*

*Forestry Statistics*, FAO and Secretariat estimates.

## Azerbaijan

Data for Azerbaijan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### *Sources 1992 to 2010:*

Direct communications with the State Committee of Statistics and the Ministry of Economics of Azerbaijan, Baku.

UNECE annual energy questionnaires, 1992 to 2010.

### *Sources 1990 to 1991:*

Secretariat estimates.

### *Sources for Biofuels and waste:*

*Forestry Statistics*, FAO and Secretariat estimates.

## Bahrain

Crude oil production includes production from the Abu Sa'fah field, which is shared with Saudi Arabia.

### *Sources 1992 to 2010:*

*Statistics 2009 and 2010*, National Oil and Gas Authority, Manama.

Direct communication with National Oil and Gas Authority and oil industry sources.

*Statistics 2007 and 2008*, Electricity & Water Authority, Manama.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity, Amman, various editions up to 2011.

*Statistical Abstract*, 1994, 1998, 1999, 2000, 2001, 2002 and 2003, Council of Ministers, Control Statistics Organisation, Bahrain, 1995 to 2006.

*The UN Energy Statistics Database*.

Secretariat estimates.

#### **Sources up to 1991:**

*Statistical Abstract 1990*, Council of Ministers, Central Statistics Organisation, Manama, 1991.

*1986 Annual Report*, Bahrain Monetary Agency, Manama, 1987.

*B.S.C. Annual Report*, Bahrain Petroleum Company, Manama, 1982-1984.

*Foreign Trade Statistics*, Council of Ministers, Central Statistics Organisation, Manama, 1985.

*Bahrain in Figures*, Council of Ministers, Central Statistics Organisation, Manama, 1983-1985.

## Bangladesh

Data are reported on a fiscal year basis.

#### **Sources 2008 to 2010:**

*PetroBangla Annual Report*, Bangladesh Oil, Gas and Mineral Corporation, Dhaka, 2011.

*Annual Report*, Bangladesh Power Development Board (BPDB), Dhaka, 2007 to 2010.

*Annual Report*, Dhaka Electric Supply Company Limited (DESCO), Dhaka, 2008 to 2010.

*Bangladesh Economic Review*, Ministry of Finance, Dhaka, 2008 to 2010.

#### **Sources 1996 to 2007:**

U.S. Agency for International Development, Dhaka, 2003 to 2008.

Secretariat estimates.

*Statistical Yearbook of Bangladesh 1996 to 1999*, Ministry of Planning, Bangladesh Bureau of Statistics, Dhaka, 1997 to 2000.

#### **Sources 1992 to 1995:**

*Statistical Pocket Book of Bangladesh*, Ministry of Planning, Bangladesh Bureau of Statistics, Dhaka, 1986 to 1996.

*The UN Energy Statistics Database*.

#### **Sources up to 1991:**

*Bangladesh Energy Balances 1976-1981*, Government of Bangladesh, Dhaka, 1982.

*Statistical Yearbook of Bangladesh 1991*, Government of Bangladesh, Dhaka, 1976 to 1991.

*Monthly Statistical Bulletin of Bangladesh*, Ministry of Planning, Bangladesh Bureau of Statistics, Statistics Division, Dhaka, June 1986 and October 1989.

## Belarus

Data for Belarus are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Since January 1, 2011, Belarus became member of a Customs Union with Russia and Kazakhstan. Breaks in time series appear in trade figures for 2009/2010 as the Customs progressively shifted from one accounting system to another.

#### **Sources 1990 to 2010:**

Direct communication with the National Statistical Committee of Belarus, Minsk.

UNECE annual energy questionnaires, 1990 to 2010.

#### **Sources for Biofuels and waste:**

UNECE annual energy questionnaires and Secretariat estimates.

## Benin

Member of the SIE-Afrique project.

Time series were revised from 2005 to 2009 based on data received from the Ministère des Mines, de l'Énergie et de l'Hydraulique, Cotonou in 2011. Breaks in the time series may occur for 2004 and 2005 for some products.

#### **Sources 1999 to 2010:**

Direct communication with the *Ministère des Mines, de l'Énergie et de l'Hydraulique*, Cotonou, through the WEC-IEA Joint Energy Reporting Format for Africa, 1999 to 2002, 2004, 2006, 2007, 2011, 2012.

Secretariat estimates.

#### **Sources up to 1998:**

Direct communication with the Secretariat, Direction de l'Énergie, Cotonou, 1999, 2000.

Direct communication with the electricity utility, Cotonou, 1998 to 1999.

*The UN Energy Statistics Database.*

*Rapport sur l'Etat de l'Economie Nationale*, Ministère de l'Economie, Cotonou, September 1993.

Secretariat estimates.

#### **Sources for Biofuels and waste up to 1995:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Bolivia

#### **Sources 1992 to 2010:**

*Balance Energético Nacional 2000-2010*, Ministerio de Hidrocarburos y Energía, La Paz, 2010.

*Anuario Estadístico*, Ministerio de Hidrocarburos y Energía, La Paz, 2011.

*Boletín Estadístico*, Yacimientos Petrolíferos Fiscales Bolivianos, La Paz, 2008 to 2010.

*Informe Estadístico*, Yacimientos Petrolíferos Fiscales Bolivianos, La Paz, various editions from 1992 to 1998.

*Anuario Estadístico*, Autoridad de Fiscalización y Control Social de Electricidad, La Paz, 2010.

*Anuario Estadístico*, Superintendencia de Electricidad, La Paz, various editions from 1996 to 2007.

*Memoria Anual*, Comité Nacional de Despacho de Carga, 2010.

SIEE, OLADE.

Secretariat estimates.

#### **Sources up to 1991:**

*Boletín Estadístico 1973-1985*, Banco Central de Bolivia, División de Estudios Económicos, La Paz, 1986.

*Diez Anos de Estadística Petrolera en Bolivia 1976-1986*, Dirección de Planeamiento, División de Estadística, La Paz, 1987.

*Empresa Nacional de Electricidad S.A. 1986 Ende Memoria*, Empresa Nacional de Electricidad, La Paz, 1987.

#### **Sources for Biofuels and waste:**

SIEE, OLADE.

Breaks in time series for solid biomass occur between 2009 and 2010. This is due to differences in definitional issues between Bolivia and IEA. Solid biofuels may include other sources of renewable energy (e.g. wind, solar, etc.). Efforts are underway to resolve these definitional issues for future publications.

## Bosnia and Herzegovina

Data for Bosnia and Herzegovina are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Energy statistics are available from the Agency for Statistics of Bosnia and Herzegovina from 2008 for electricity and heat and from 2009 for coal and natural gas. As a consequence, breaks in time series may occur between 2007 and 2008 for electricity and heat and 2008 and 2009 for other products.

#### **Sources 2009 to 2010:**

Direct communication with the Agency for Statistics of Bosnia and Herzegovina Sarajevo.

UNECE annual energy questionnaire on Coal, Natural Gas and Electricity, 2010.

Secretariat estimates.

#### **Sources 2006 to 2008:**

European Network of Transmission System Operators for Electricity, online statistics, 2010.

Union for the Co-ordination of Transmission of Electricity, online statistics, 2009.

Secretariat estimates.

#### **Sources 2000 to 2005:**

*Energy Sector Study BiH*, Third Electric Power Reconstruction Project, consortium led by Energy Institute Hrvoje Pozar, Sarajevo, 2008.

Direct communication with the Joint Power Co-ordination Centre (JPCC).

*Statistical Yearbook of BiH*, Federation of Bosnia and Herzegovina Federal Office of Statistics, Sarajevo, 2008.

*Power Generation and Transmission System in Bosnia Herzegovina*, International Management Group, European Commission, Sarajevo, November 2000.

*Energy Outlook*, Federal Ministry of Energy, Mining and Industry, Sarajevo, December 2001.

*The UN Energy Statistics Database.*



## Botswana

Data for Botswana are available from 1981. Prior to that, they are included in Other Africa.

### *Sources 1981 to 2010:*

*Statistical Yearbook 2010*, Central Statistics Office, Gaborone.

*Annual Report 2011*, Botswana Power Corporation, Gaborone.

*Annual Report 2009*, Department of Mines, Gaborone.

*Energy Statistics*, Central Statistics Office, Gaborone.

Secretariat estimates.

Direct communication with the Energy Affairs Division, Ministry of Minerals, Energy and Water Affairs, Gaborone.

## Brazil

In the IEA balance for Brazil, "Biogasoline" refers to anhydrous ethanol while "Other liquid biofuels" refers to hydrated ethanol.<sup>1</sup>

Although IEA's balance is based on Brazil's national statistics, differences with the national energy balance can be observed due to the different methodologies adopted for reporting nuclear, chemical heat, natural gas, renewables, blast furnaces and coke ovens.

### *Sources 1971 to 2010:*

Direct communication with the Ministério de Minas e Energia, Brasilia.

*Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, various editions up to 2010.

1. The national energy balance of Brazil shows bioethanol as two separate products: anhydrous ethanol ("álcool anidro", *i.e.* nearly pure ethanol, containing less than 1% of water) and hydrated ethanol ("álcool hidratado", *i.e.* a blend of ethanol and water, in the proportion of about 95% to 5%, generally obtained from conventional distillation). While anhydrous ethanol is blended with gasoline (the blend sold at the pump generally contains 20-25% of ethanol), hydrated ethanol is sold at separate pumps as a product by itself (álcool) to be used in flex fuel cars, *i.e.* vehicles that can run on any mix of gasoline and ethanol.

## Brunei Darussalam

### *Sources 2006 to 2010:*

APEC Energy Database, Tokyo, 2012.

Direct communication with the Prime Minister's Office, Strategic Planning Division, Bandar Seri Begawan.

Direct communication to the secretariat from the Prime Minister's Office, Department of Electrical Services, Bandar Seri Begawan.

Secretariat estimates.

### *Sources 1992 to 2005:*

APEC Energy Database, Tokyo, 2007.

Direct communication with the UN Statistics Division, the Office of the Prime Minister, Petroleum Unit, the Asia Pacific Energy Research Centre and the Ministry of Development, Electrical Services Department.

*Brunei Statistical Yearbook, 1992 to 1994*, Ministry of Finance, Statistics Section, Bandar Seri Begawan, 1993, 1995.

### *Sources up to 1991:*

*Fifth National Development Plan 1986-1990*, Ministry of Finance, Economic Planning Unit, Bandar Seri Begawan, 1985.

### *Sources for Biofuels and waste:*

*The UN Energy Statistics Database.*

## Bulgaria

### *Sources 1990 to 2010:*

Direct communication with the National Statistical Institute, Sofia.

UNECE annual energy questionnaires.

*Energy Balances*, National Statistical Institute, Sofia, 1995.

### *Sources up to 1991:*

*Energy Development of Bulgaria*, Government of Bulgaria, Sofia, 1980 and 1984.

*Energy in Bulgaria*, Government of Bulgaria, Sofia, 1980 to 1983.

*General Statistics in the Republic of Bulgaria 1989/1990*, Government of Bulgaria, Sofia, 1991.

**Sources for Biofuels and waste:**

*The UN Energy Statistics Database* and UNECE annual energy questionnaires.

## Cambodia

Data for Cambodia are available starting in 1995. Prior to that, they are included in Other Asia.

**Sources up to 2010:**

Direct communication with the Department of Energy, Ministry of Industry, Mines and Energy, the Department of Corporate Planning and Projects, the Electricity Authority of Cambodia and Electricité du Cambodge, Phnom Penh through the APEC annual energy statistics questionnaire, 1995-2010.

Secretariat estimates.

## Cameroon

Member of the SIE-Afrique project.

**Sources 1971 to 2010:**

Direct communication with the Ministère de l'Énergie et de l'Eau, Yaoundé.

*Statistiques économiques*, Banque des États de l'Afrique Centrale (BEAC), online database, 2011.

Direct communication with the Société Nationale de Raffinage (SONARA).

Direct communication with the Société Nationale d'Électricité du Cameroun (*AES – SONEL*), Douala.

*The UN Energy Statistics Database*.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## People's Republic of China

In 2012 the National Bureau of Statistics (NBS) revised the format and detail of their energy balance. Data for wind power generation, fuel consumption in natural gas liquefaction plants and for several new oil products (petroleum coke, white spirit, bitumen, lubricants, liquefied natural gas, etc.) were provided. These changes may result in breaks in time series between 2009 and 2010.

A collaborative effort between NBS and IEA continues to work towards providing additional detail on energy production, transformation and consumption of all 5 different types of coal (e.g. anthracite, coking coal, other bituminous, sub-bituminous and lignite) from 2004 to 2010. At the moment NBS is only able to provide quantities of raw coal and washed coal in their energy balances and secretariat assumptions have been used to attribute these quantities to coking coal and other bituminous coal. It is expected that the continuing work to provide disaggregated data on five different coals will result in greater detail in future publications.

In the 2010 China Energy Balance imports and exports of cleaned coal are reported as zero, whereas in the past they have been reported. These imports and exports are reported as coking coal within the IEA energy balance.

In 2010, the National Bureau of Statistics revised the allocation of data for consumption to different subsectors, based on the results of a new economic survey. As the revisions apply only to 2008 data, breaks in sectoral consumption may appear between 2007 and 2008.

In 2010, the time series for primary solid biomass was revised due to the inclusion of new parameters on elasticities of supply and demand related to costs of other substitution fuels in the estimation model.

Time series for liquid biofuels, wind (except for 2010), geothermal, solar photovoltaic and solar thermal generation are based on tertiary sources of information and Secretariat estimates. Neither of these time series is reported in the national energy balance of China.

The IEA data of coal stocks for the years 1985 and 1990 as well as coal production for the year 1999 are estimates and do not represent official data released by the Chinese government. Those estimates were based on the assumption that coal consumption

statistics are more reliable than coal production statistics and that the production-consumption relationship should maintain a balance over time.

#### **Sources 1990 to 2010:**

*China Energy Statistical Yearbook*, National Bureau of Statistics, Beijing, various editions up to 2011.

Direct communication with the Energy Research Institute (NDRIC), Beijing.

*Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, various editions up to 2011.

China Electricity Council, online statistics, various editions up to 2010.

Zhang G., *Report on China's Energy Development 2010*, China's National Energy Administration, Beijing, editions 2009 to 2011.

Zheng et. al, *Steady Industrialized Development of Geothermal Energy in China: Country Update Report*, Beijing, 2005-2009.

Lund et. al, *Direct Utilization of Geothermal Energy 2010 Worldwide Review*, World Geothermal Congress, Bali, 2010.

*World Biodiesel Balance 2011, World Ethanol and Biofuels Report*, F.O. Lichts, London, Vol. 9 No. 13, Mar. 15, 2011.

Secretariat estimates.

#### **Sources up to 1990:**

*Electric Industry in China in 1987*, Ministry of Water Resources and Electric Power, Department of Planning, Beijing, 1988.

*Outline of Rational Utilization and Conservation of Energy in China*, Bureau of Energy Conservation State Planning Commission, Beijing, June 1987.

*China Coal Industry Yearbook*, Ministry of Coal Industry, People's Republic of China, Beijing, 1983, 1984, 1985 and 2000.

*Energy in China 1989*, Ministry of Energy, People's Republic of China, Beijing, 1990.

*China: A Statistics Survey 1975-1984*, State Statistical Bureau, Beijing, 1985.

*China Petro-Chemical Corporation (SINOPEC) Annual Report*, SINOPEC, Beijing, 1987.

*Almanac of China's Foreign Economic Relations and Trade*, The Editorial Board of the Almanac, Beijing, 1986.

#### **Sources for Biofuels and waste:**

Secretariat estimates.

## Chinese Taipei

Data for the period 1982-2009 were revised in 2012 based on new balances submitted by the Bureau of Energy. Breaks in time series may occur between 1981 and 1982.

#### **Sources 1982 to 2010:**

*Energy Balances in Taiwan*, Bureau of Energy, Ministry of Economic Affairs, Taipei.

Direct communication with the electricity utilities.

*Yearbook of Energy Statistics*, Ministry of Trade, Industry and Energy, Taipei, 1996.

#### **Sources up to 1981:**

*The Energy Situation in Taiwan*, Ministry of Economic Affairs, Energy Committee, Taipei, 1986, 1987, 1988 and 1992.

*Industry of Free China 1975-1985*, Council for Economic Planning and Development, Taipei, 1986.

*Taiwan Statistical Data Book 1954-1985*, Council for Economic Planning and Development, Taipei, 1986.

*Energy Policy for the Taiwan Area*, Ministry of Economic Affairs, Energy Committee, Taipei, 1984.

*Energy Balances in Taiwan*, Ministry of Economic Affairs, Taipei, 1980 to 1981.

#### **Sources for Biofuels and waste:**

*Energy Balances in Taiwan*, Bureau of Energy, Ministry of Economic Affairs, Taipei; *The UN Energy Statistics Database*; Secretariat estimates.

## Colombia

#### **Sources 1992 to 2010:**

Direct communication with the Ministry of Mines and Energy, Energy Information Department, Bogotá.

*Statistics 1996-2010*, Sistema de Información Eléctrico Colombiano, Ministry of Mines and Energy, online statistics, 2011.

**Sources up to 1991:**

*Boletín Minero-Energético*, Ministerio de Minas y Energía, Bogotá, December 1991.

*Estadísticas Minero-Energéticas 1940-1990*, Ministerio de Minas y Energía, Bogotá, 1990.

*Estadísticas Básicas del Sector Carbón*, Carboacol, Oficina de Planeación, Bogotá, various editions from 1980 to 1988.

*Colombia Estadística 1985*, DANE, Bogotá, 1970 to 1983 and 1987.

*Empresa Colombiana de Petróleos, Informe Anual*, Empresa Colombiana de Petróleos, Bogotá, 1979, 1980, 1981 and 1985.

*Estadísticas de la Industria Petrolera Colombiana Bogotá 1979-1984*, Empresa Colombiana de Petróleos, Bogotá, 1985.

*Informe Estadístico Sector Eléctrico Colombiano*, Government of Colombia, Bogotá, 1987 and 1988.

*La Electrificación en Colombia 1984-1985*, Instituto Colombiano de Energía Eléctrica, Bogotá, 1986.

*Balances Energéticos 1975-1986*, Ministerio de Minas y Energía, Bogotá, 1987.

*Energía y Minas Para el Progreso Social 1982-1986*, Ministerio de Minas y Energía, Bogotá, 1987.

**Sources for Biofuels and waste:**

Ministry of Mines and Energy, Energy Information Department, Bogotá.

**Congo****Sources 1971 to 2010:**

Direct communication with the Agence de Régulation de l'Aval Pétrolier, Brazzaville, 2008 to 2012.

*Les chiffres caractéristiques de la Société Nationale d'Électricité 2005-2011*, SNE, Brazzaville.

Direct communication with the Ministère de l'Énergie et de l'Hydraulique, Brazzaville, 2000 to 2010.

Secretariat estimates.

**Sources for Biofuels and waste::**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

**Democratic Republic of Congo**

Member of the SIE-Afrique project.

Time series for the period 2000-2007 were revised in 2009 based on the new energy balances received from the Ministry of Energy. Breaks in time series may occur between 1999 and 2000.

**Sources up to 2010:**

Direct communication with the Ministère de l'Énergie, Kinshasa Gombe.

Secretariat estimates.

Commission Nationale de l'Énergie, Ministère de l'Énergie, Kinshasa Gombe, 2005.

WEC-IEA Joint Energy Reporting Format for Africa, 1999 to 2000.

*The UN Energy Statistics Database*.

*L'Énergie en Afrique*, IEPE/ENDA, Paris, 1995, in turn sourced from the *Annuaire Statistique Énergétique 1990*, Communauté Economique des Pays des Grands Lacs, Bujumbura, 1990.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

**Costa Rica**

Time series for biogas, geothermal energy and jet kerosene were revised in 2012, based on newly available information.

**Sources up to 2010:**

Direct communication with the Ministerio del Ambiente y Energía, San José.

**Côte d'Ivoire**

Member of the SIE-Afrique project.

Time series for primary solid biomass and charcoal were revised in 2009 for the period 2004-2006, based on newly available information. Breaks in time series may occur between 2003 and 2004.

**Sources 2010:**

Direct communication with the Ministry of Mines and Energy, Abidjan, 2012.

Secretariat estimates.

**Sources 2005 to 2008:**

WEC-IEA Joint Energy Reporting Format for Africa, questionnaire submitted by the Direction de l'Energie, Abidjan.

Direct communication with the Direction de l'Energie, Abidjan.

Secretariat estimates.

**Sources 2002 to 2004:**

Direct communication with the Ministry of Mines and Energy, Abidjan, 2005-2006, and Secretariat estimates.

**Sources 1992 to 2001:**

Direct communication to the Secretariat from oil industry and the Ministry of Energy, Abidjan, July 2003.

Direct communication to the Secretariat from SIR, Société Ivoirienne de Raffinage, 2004.

*La Côte d'Ivoire en chiffres*, Ministère de l'Economie et des Finances, Abidjan, 1996-97 edition.

*L'Energie en Afrique*, IEPE/ENDA, Paris, 1995, in turn sourced from the Ministère des Mines et de l'Energie, Abidjan.

*The UN Energy Statistics Database*.

**Sources up to 1991:**

*Etudes & Conjoncture 1982-1986*, Ministère de l'Economie et des Finances, Direction de la Planification et de la Prévision, Abidjan, 1987.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

**Croatia**

Data for Croatia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

**Sources 1990 to 2010:**

Direct communication with the Energy Institute "Hrvoje Požar", Zagreb.

Direct communication with the Central Bureau of Statistics, Zagreb.

UNECE annual energy questionnaires.

Secretariat estimates.

**Cuba**

Breaks in time series in 1992 can be explained by historical events. Breaks in time series may also occur between 2001 and 2002.

Figures for crude oil include additives added to reduce viscosity.

**Sources up to 2010:**

*Anuario Estadístico de Cuba 1996 to 2010*, Oficina Nacional de Estadísticas, Havana, various editions from 1998 to 2011.

*Estadísticas Energéticas en la Revolución*, Oficina Nacional de Estadísticas, Havana, September 2009 edition.

SIEE, OLADE.

Secretariat estimates.

Compendio estadístico de energía de Cuba 1989, Comité Estatal de Estadísticas, Havana, 1989.

*Anuario Estadístico de Cuba*, Comité Estatal de Estadísticas, Havana, various editions from 1978 to 1987.

**Sources for Biofuels and waste:**

SIEE, OLADE.

*Anuario Estadístico de Cuba 1996 to 2010*, Oficina Nacional de Estadísticas, Havana, various editions from 1998 to 2011.

**Cyprus****Note by Turkey:**

*The information in this document with reference to "Cyprus" relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognizes the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus" issue.*

**Note by all the European Union Member States of the OECD and the European Commission:**

*The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this report relates to the area under the effective control of the Government of the Republic of Cyprus.*

**Sources 1994 to 2010:**

Direct communication with the statistical service of Cyprus, Nicosia.

UNECE annual energy questionnaires.

*Electricity Authority of Cyprus Annual Report 1996*, Electricity Authority of Cyprus, Nicosia, 1997.

**Sources up to 1993:**

*Electricity Authority of Cyprus Annual Report 1988*, 1992, Electricity Authority of Cyprus, Nicosia, 1989 and 1993.

*Industrial Statistics 1988*, Ministry of Finance, Department of Statistics, Nicosia, 1989.

**Sources for Biofuels and waste:**

UNECE annual energy questionnaires and Secretariat estimates.

Note: Data on electricity generation from solar thermal and heat production from municipal waste and wood were submitted for the first time for the year 2004.

## Dominican Republic

Statistical differences between supply and consumption of electricity are due to the fact that the IEA uses Oficina Nacional de Estadística as a source for main producer electricity generation and OLADE data as a source for consumption.

**Sources 1971 to 2010:**

*Capacidad instalada y generación del SENI por año, según tecnología, 2000-2010*, Oficina Nacional de Estadística, Santo Domingo.

SIEE, OLADE.

The LNG Industry, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, various editions up to 2010.

Secretariat estimates.

## Ecuador

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

**Sources 1999 to 2010:**

Direct communication with the Ministerio de Minas y Petróleos, Quito.

*Estadística del Sector Eléctrico Ecuatoriano*, Conelec, Consejo Nacional de Electricidad, Quito, various editions up to 2010.

*Informe Estadístico Gerencial*, Petroecuador, Empresa Estatal Petróleos del Ecuador, Quito, various editions up to 2010.

SIEE, OLADE.

**Sources 1990 to 1998:**

SIEE, OLADE.

**Sources up to 1989:**

Ministerio de Energía y Minas.

*Cuentas Nacionales*, Banco Central del Ecuador, Quito, various editions from 1982 to 1987.

*Memoria 1980-1984*, Banco Central del Ecuador, Quito, 1985.

*Ecuadorian Energy Balances 1974-1986*, Instituto Nacional de Energía, Quito, 1987.

*Información Estadística Mensual, No. 1610*, Instituto Nacional de Energía, Quito, 1988.

*Plan Maestro de Electrificación de Ecuador*, Ministerio de Energía y Minas, Quito, 1989.

**Sources for Biofuels and waste:**

SIEE, OLADE.

## Egypt

Data are reported on a fiscal year basis.

**Sources 1992 to 2010:**

Direct communication with the Organisation for Energy Planning, Cairo.

WEC-IEA Joint Energy Reporting Format for Africa, 2000 to 2010.

Secretariat estimates.

Direct submission to the Secretariat from the Ministry of Petroleum, Cairo.

*Annual Report 1995, 1997, 1998, 1999*, Ministry of Petroleum, Egyptian General Petroleum Corporation, Cairo, 1996, 1998 to 2000.

*Annual Report of Electricity Statistics 1996/1997 to 2010/2011*, Ministry of Electricity and Energy, Egyptian Electricity Holding Company, Cairo, 1998 to 2010.

*Arab Oil and Gas*, The Arab Petroleum Research Center, Paris, October 1997.

*Middle East Economic Survey*, Middle East Petroleum and Economic Publications, Nicosia, February 1994, June 1996, March 1998.

*A Survey of the Egyptian Oil Industry 1993*, Embassy of the United States of America in Cairo, Cairo, 1994.

#### **Sources up to 1991:**

*Annual Report of Electricity Statistics 1990/1991*, Ministry of Electricity and Energy, Egyptian Electricity Authority, Cairo, 1992.

*Statistical Yearbook of the Arab Republic of Egypt*, Central Agency for Public Mobilisation and Statistics, Cairo, 1977 to 1986.

*L'Électricité, l'Énergie, et le Pétrole*, République Arabe d'Égypte, Organisme Général de l'Information, Cairo, 1990.

*Annual Report*, The Egyptian General Petroleum Corporation, Cairo, 1985.

#### **Sources for Biofuels and waste:**

*The UN Energy Statistics Database* and Secretariat estimates.

## **El Salvador**

#### **Sources 1971 to 2010:**

Direct communication with the Ministerio de Economía, Dirección de Hidrocarburos y Minas, San Salvador.

Direct communication with the Consejo Nacional de Energía El Salvador (CNE), San Salvador.

*Boletín de Estadísticas*, Superintendencia General de Electricidad y Telecomunicaciones (SIGET), San Salvador, various editions from 1998 to 2010.

*SIEE*, OLADE.

Secretariat estimates.

#### **Sources for Biofuels and waste:**

*SIEE*, OLADE.

## **Eritrea**

Data for Eritrea are available from 1992. Prior to that, they are included in Ethiopia.

#### **Sources 1992 to 2010:**

Direct Communication with the Ministry of Energy and Mines, Asmara.

## **Ethiopia**

Ethiopia energy data include Eritrea from 1971 to 1991. From 1992, the two countries are reported separately.

For biofuels, breaks in time series may occur between 2006 and 2007 due to more detailed data availability.

#### **Sources 1992 to 2010:**

Secretariat estimates.

Direct communication with the Ministry of Water and Energy, Addis Ababa, 2012.

Direct communication with the Ministry of Mines and Energy, Addis Ababa, 2004 to 2011.

Direct communication with the Energy Development Follow-up and Expansion Department of the Ministry of Infrastructure, Addis Ababa, 2004 and 2005.

Direct communication with the Ministry of Finance and Economic Development, Addis Ababa, 1998 to 2003.

*The UN Energy Statistics Database*.

#### **Sources up to 1991:**

*Ten Years of Petroleum Imports, Refinery Products, and Exports*, Ministry of Mines & Energy, Addis Ababa, 1989.

*Energy Balance for the Year 1984*, Ministry of Mines & Energy, Addis Ababa, 1985.

*1983 Annual Report*, National Bank of Ethiopia, Addis Ababa, 1984.

*Quarterly Bulletin*, National Bank of Ethiopia, Addis Ababa, various editions from 1980 to 1985.

#### **Sources for Biofuels and waste:**

Secretariat estimates based on 1992 data from Eshetu and Bogale, *Power Restructuring in Ethiopia*, AFREPREN, Nairobi, 1996.

## Gabon

Data on refinery input for 2009 were interpolated to avoid a large decrease. Discussions with the Ministère de l'économie, du commerce, de l'industrie et du tourisme are on-going to try to resolve the discrepancy.

### Sources 1992 to 2010:

*Statistiques économiques*, Banque des Etats de l'Afrique Centrale (BEAC), online database, 2011.

*Annuaire Statistique du Gabon*, Ministère de l'économie, du commerce, de l'industrie et du tourisme, Libreville, 2001 to 2007 and 2004 to 2008, 2011.

Direct communication with the Direction Générale de L'Energie, Libreville, 2003 to 2008.

*Rapport annuel de la SEEG*, Société d'Énergie et d'Eau du Gabon, Libreville, various editions from 2000 to 2008.

Secretariat estimates.

Direct communication with the Société Gabonaise de Raffinage, Port Gentil, 1997, 2000 to 2006, 2008 to 2009.

*Tableau de Bord de l'Economie, Situation 1997, Perspectives 1998-1999*, Direction Générale de l'Economie, Ministère des Finances, de l'Economie, du Budget et des participations, chargé de la privatisation, Mai 1998.

*Rapport d'Activité*, Banque Gabonaise de Développement, Libreville, 1985, 1990, 1992 and 1993.

*The UN Energy Statistics Database*.

### Sources up to 1991:

*Tableau de Bord de l'Economie, Situation 1983 Perspective 1984-85*, Ministère de l'Economie et des Finances, Direction Générale de l'Economie, Libreville, 1984.

### Sources for Biofuels and waste:

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Georgia

Data for Georgia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Data for 2006 were revised in 2009 based on a new submission of energy balances by the national administration. Breaks in time series between 2005 and 2006 may occur for some products.

Data for other bituminous coal were revised in 2010 to reflect that coal production in Georgia is mainly sub-bituminous coal. This change has been made for the whole time series and affects production, exports and consumption in the residential and commercial/institutional sectors.

### Sources 2008 to 2010:

Direct communication with the Energy Efficiency Centre, Tbilisi.

UNECE annual energy questionnaires, submitted by the State Department of Statistics of Georgia, Industry, Energy and Water Supply Division, Tbilisi.

Secretariat estimates.

### Sources 1990 to 2008:

*Official Energy Balance of Georgia 1990-1999, 2000-2008*, Ministry of Economy and Ministry of Energy, Tbilisi.

Secretariat estimates.

## Ghana

Data were revised until 2000 based on the new energy statistics received from Energy Commission in 2009. Breaks in time series may occur between 1999 and 2000 for some products.

### Sources 1992 to 2010:

*Energy Statistics 2000-2010*, Energy Commission, Accra, 2011.

Direct communication with the Energy Commission, Accra, 2004 and since 2009.

*Detailed Statistics of Petroleum Products Consumption 1999-2008*, National Petroleum Authority, Accra, 2009.

Secretariat estimates.

*National Energy Statistics*, Ministry of Energy and Mines, Accra, 2000.

*Quarterly Digest of Statistics*, Government of Ghana, Statistical Services, Accra, March 1990, March 1991, March 1992, March 1995.

*Energy Balances*, Volta River Authority, Accra, various editions from 1970 to 1985.

### Sources for Biofuels and waste:

Ministry of Mines and Energy, *the UN Energy Statistics Database* and Secretariat estimates.



## Gibraltar

### *Sources up to 2010:*

*Abstract of Statistics*, Government of Gibraltar, Gibraltar, various editions up to 2011.

Gibraltar Electricity Authority, Gibraltar, 2008.

Secretariat estimates.

## Guatemala

Added geothermal energy in 2012 for the time series

### *Sources 1999 to 2010:*

*SIEE*, OLADE.

### *Sources 2002 to 2010:*

*Production, consumption, Exports and Imports of Oil products 2002-2009*, Ministry of Energy and Mines, Guatemala City, 2010.

### *Sources 2004 to 2010:*

Direct communication with the Dirección Nacional de Energía Ministerio de Energía, Guatemala City

### *Sources up to 1998:*

*SIEE*, OLADE and direct communication with the Dirección Nacional de Energía Ministerio de Energía.

## Haiti

### *Sources 2009 to 2010:*

Direct communication with the Bureau des Mines et de l'Énergie, Port-au-Prince.

*SIEE*, OLADE.

### *Sources 2008:*

Direct communication with the Table Sectorielle Énergie Électrique, Ministère des Travaux Publics, Transports et Communications, Haiti.

Secretariat estimates.

### *Sources 2005 to 2007:*

*SIEE*, OLADE.

### *Sources up to 2004:*

Direct communication with the Bureau des Mines et de l'Énergie.

## Honduras

### *Sources 2007 to 2010:*

*SIEE*, OLADE

*Centroamérica: Estadísticas de Hidrocarburos*, Comisión Económica para América y el Caribe (CEPAL), United Nations, Mexico, 2010.

Secretariat estimates.

### *Sources up to 2006:*

Direct communication with the Empresa Nacional de Energía Eléctrica, Comayagüela.

Direct Communication with the Secretariat de Recursos Naturales y del Ambiente, Tegucigalpa.

*SIEE*, OLADE

## Hong Kong, China

### *Sources up to 2010:*

*Hong Kong Energy Statistics - Annual Report*, Census and Statistics Department, Hong Kong, various editions up to 2011.

Direct communication with the Hong Kong Electric Company, Ltd, Hong Kong.

*China Light and Power - Annual Report*, China Light and Power Group, Hong Kong, several editions up to 2011.

*Hong Kong Monthly Digest of Statistics*, Census and Statistics Department, Hong Kong, various editions to 1994.

### *Sources for Biofuels and waste:*

*The UN Energy Statistics Database, Hong Kong Energy Statistics - Annual Report 2003*, and Secretariat estimates.

## India

Data are reported on a fiscal year basis.

Time series data for solar thermal heat and coke oven gas were estimated by the Secretariat.

### *Sources 1992 to 2010:*

Direct communication with the Coal Controller's Organisation of the Ministry of Coal, Kolkata.

Direct communication with the Ministry of Petroleum and Natural Gas, New Delhi.

Direct communication with the Central Electricity Authority of the Ministry of Power, New Delhi.

Direct communication with the Central Statistical Organisation of the Ministry of Planning and Programme Implementation, New Delhi.

Direct communication with the Ministry of New and Renewable Energy, New Delhi.

*Coal Directory of India, 1992-1993 to 2009-2011*, Coal Controller's Organization, Ministry of Coal, Kolkata, 1994 to 2010.

*Provisional Coal Statistics, 2009*, Coal Controller's Organization, Ministry of Coal, Kolkata, 2010.

*Indian Petroleum and Natural Gas Statistics 2000-01 to 2008-09*, Ministry of Petroleum and Natural Gas, New Delhi, 2002 to 2010.

*Basic Statistics on Indian Petroleum and Natural Gas Statistic*, various editions up to 2010, Ministry of Petroleum and Natural Gas, New Delhi, 2012.

*Petroleum Planning and Analysis Cell Reports 2010*, Ministry of Petroleum and Natural Gas, New Delhi.

*Energy Statistics*, Central Statistical Organisation, Ministry of Statistics and Programme Implementation, New Delhi, various editions up to 2012.

*All India Electricity Statistics General Review 1998-99, 2000-01 to 2007-08*, Central Electricity Authority, Ministry of Power, New Delhi, 2000, 2002 to 2009.

*Growth of Electricity Sector in India from 1947-2011*, Central Electricity Authority, Ministry of Power, New Delhi, 2000, 2002 to 2010.

*Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, various editions up to 2010.

*Global Market Outlook for Photovoltaic 2009*, European Photovoltaic Industry Association, Brussels, 2010 edition.

*Annual Review of Coal Statistics*, various issues from 1993-1994 to 1998-1999, Coal Controller's Organization, Ministry of Coal, Kolkata, 1995-2000.

*Energy Data Directory, Yearbook "TEDDY"*, and *Annual Report*, Tata Energy Research Institute "TERI", New Delhi, 1986-1988, 1990, 1994-2000.

*General Review*, Public Electricity Supply, India Statistics, Central Electricity Authority, New Delhi, 1982 to 1985, 1995-1998, 2000-2004.

*Monthly Abstract of Statistics*, Ministry of Planning, Central Statistics Organisation, Department of Statistics, New Delhi, various editions from 1984 to March 1998, 1998-2000.

*Annual Report 1994-1996, 1998-1999*, Ministry of Energy, Department of Non-Conventional Energy, New Delhi, 1996 and 1999.

*Annual Report 1993-1994, 1998-1999*, Ministry of Petroleum and Natural Gas, New Delhi, 1995, 2000.

*General Review*, Public Electricity Supply, India Statistics, Central Electricity Authority, New Delhi, 1982 to 1985, 1995-1998.

*India's Energy Sector, July 1995*, Center for Monitoring Indian Economy PVT Ltd., Bombay, 1995.

*Monthly Review of the Indian Economy*, Center for Monitoring Indian Economy PVT Ltd., New Delhi, various issues from 1994 to June 1999.

#### **Sources up to 1991:**

*Indian Oil Corporation Limited 1987-88 Annual Report*, Indian Oil Corporation Limited, New Delhi, 1989-1992.

*Report 1986-87*, Ministry of Energy, Department of Coal, New Delhi, 1981 to 1987.

*Annual Report 1986-1987*, Ministry of Energy, Department of Non-Conventional Energy, New Delhi, 1987.

*Economic Survey*, Ministry of Finance, New Delhi, various editions from 1975 to 1986.

*Statistical Outline of India*, Ministry of Finance, New Delhi, 1983, 1984, 1986, 1987.

*Monthly Coal Bulletin, vol xxxvi no.2.*, Ministry of Labour, Directorate General of Mines Safety, New Delhi, February 1986.

#### **Sources for Biofuels and waste:**

Direct communication to the Secretariat from the Ministry of Non-conventional Energy Sources, Government of India.

Secretariat estimates based on a per capita average consumption from various surveys and studies.

## Indonesia

#### **Sources 2008 to 2010:**

Direct communication with the Centre for Energy Information, Ministry of Energy and Mineral Resources, Jakarta.

Direct communication with PT PLN (Persero), Jakarta.

Direct communication with the Indonesia Coal Mining Association, Jakarta.

*Handbook of Indonesia's Energy Economy Statistics*, Centre for Energy Information, Ministry of Energy and Mineral Resources, Jakarta, various editions up to 2010.

*Coal trade data for 2000-2010*, website of the Central Bureau of Statistics of the Republic of Indonesia: www.bps.go.id.

*PLN Statistics*, PT.PLN (Persero), Jakarta, various editions up to 2009.

Secretariat estimates.

#### **Sources 1992 to 2007:**

*Indonesia Mineral and Coal Statistics*, Directorate of Coal and Mineral Resources, Jakarta, 1998 to 2007.

*Statistics on Electricity and Energy*, 1998 to 2004, Directorate General of Electricity and Energy Utilisation, Jakarta, 1999 to 2005.

*Oil and Gas Statistics of Indonesia*, Directorate General Oil and Gas, Jakarta, various editions 1981 to 2007.

*The Petroleum Report Indonesia*, various editions, U.S. Embassy in Jakarta, Jakarta, 1986 to 2008.

*Oil and Gas Data Information*, 6<sup>th</sup> Edition, Directorate General Oil and Gas, Jakarta, 2002.

*Statistik Perminyakan Indonesia 1995 to 1999*, *Indonesia Oil and Gas Statistics*, Directorate General of Oil and Gas, Jakarta, 2001.

*Neraca energy 2000*, Energy Balance of Indonesia 2000, Asean Center for Energy.

*Mining and Energy Yearbook, 1998*, Ministry of Mines and Energy, Jakarta, 1998.

APEC annual energy statistics questionnaires.

Direct communication with Directorate General of Coal and Mineral Resources, Directorate General Oil and Gas, and Directorate General of Electricity and Energy Utilisation of the Ministry of Energy and Mineral Resources.

Direct communication with the Indonesian Institute for Energy Economics, 2004 and 2005.

Direct communication with the ASEAN Centre for Energy, 2005.

#### **Sources up to 1991:**

*Indonesian Financial Statistics*, Bank of Indonesia, Jakarta, 1982.

*Indikator Ekonomi 1980-1985*, Biro Pusat Statistik, Jakarta, 1986.

*Statistical Yearbook of Indonesia*, Biro Pusat Statistik, Jakarta, 1978 to 1984 and 1992.

*Statistik Pertambangan Umum, 1973-1985*, Biro Pusat Statistik, Jakarta, 1986.

*Energy Planning for Development in Indonesia*, Directorate General for Power, Ministry of Mines and Energy, Jakarta, 1981.

*Commercial Information*, Electric Power Corporation, Perusahaan Umum Listrik Negara, Jakarta, 1984, 1985.

#### **Sources for Biofuels and waste:**

*The UN Energy Statistics Database* and Secretariat estimates.

Direct communication with Indonesian Biofuel Producer Association (APROBI), Jakarta.

## Islamic Republic of Iran

Data are reported according to the Iranian calendar year. Data for 2010 corresponds to 20 March 2010 - 20 March 2011.

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Time series from 1999-2009 were revised based on new data provided by the Ministry of Energy, Teheran in 2011. Breaks in series may occur between 1998 and 1999 for some products.

#### **Sources 2004 to 2010:**

Direct communication with the Ministry of Energy, Teheran.

Iran Statistical Yearbook, Statistical Centre of Iran, Teheran, various editions up to 2010.

Secretariat estimates.

#### **Sources 1992 to 2003:**

Direct communication with the Ministry of Energy, Office of Deputy Minister for Energy, Teheran, 1998, 2001 to 2005.

Direct communication with the Ministry of Petroleum, Teheran, 1999.

*Electric Power in Iran*, Ministry of Energy, Power Planning Bureau, Statistics Section, Teheran, 1992.

**Sources up to 1991:**

*Electric Power in Iran*, Ministry of Energy, Power Planning Bureau, Statistics Section, Teheran, 1967 to 1977, 1988, 1990, 1991.

Ministry of Energy, Office of Deputy Minister for Energy, Teheran, 1971 to 1991.

**Sources for Biofuels and waste:**

*The UN Energy Statistics Database*; Forestry Statistics, FAO, 2000, Rome; and Secretariat estimates.

Direct communications with the Ministry of Energy, Teheran.

**Iraq**

New data on natural gas consumption became available from the Ministry of Electricity in 2012. Data have been revised for both consumption and production from 2006 onward. Therefore breaks in time series may occur between 2005 and 2006.

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

**Sources 1998 to 2010:**

Direct communication with the Ministry of Oil, Ministry of Electricity, Ministry of Planning and Development Cooperation and with the Central Organization for Statistics and Information Technology.

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2011.

Joint Oil Data Initiative (JODI) online database.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2011.

*Iraq Weekly Status Report*, US Department of State 2003 to 2004.

Secretariat estimates.

**Sources up to 1997:**

*The UN Energy Statistics Database* and Secretariat estimates.

**Jamaica****Sources 2007 to 2010:**

*SIEE*, OLADE

Secretariat estimates.

*Petroleum Industry Consumption Statistics Jamaica 2003-2008*, Petroleum Corporation of Jamaica, Kingston.

*Import Statistics 2006-2007*, Petrojam limited.

Direct communication with the Office of Utilities Regulation, Kingston, 2008.

**Sources 1991 to 2006:**

*SIEE*, OLADE.

Secretariat estimates.

**Sources up to 1990:**

*National Energy Outlook 1985-1989*, Petroleum Corporation of Jamaica, Economics and Planning Division, Kingston, 1985.

*Energy and Economic Review*, Petroleum Corporation of Jamaica, Energy Economics Department, Kingston, September 1986, December 1986 and March 1987.

*Production Statistics 1988*, Planning Institute of Jamaica, Kingston, 1989.

*Statistical Digest*, Research and Development Division, Bank of Jamaica, Kingston, 1984, 1985, 1986, 1989, 1990.

**Sources for Biofuels and waste:**

*SIEE*, OLADE.

**Jordan****Sources 2005 to 2010:**

Direct communication with the Ministry of Energy and Mineral Resources, Amman.

*Annual Report*, National Electric Power Company, Amman, 2006 to 2011.

Secretariat estimates.

**Sources 1992 to 2004:**

Direct communication with the National Electric Power Company, Amman.

Secretariat estimates.

*Annual Report*, National Electric Power Company, Amman, 1996, 1997, 1999 to 2004.

*Annual Report 1992, 1993*, Jordan Electricity Authority, Amman, 1993, 1994.

*Energy and Electricity in Jordan 1992, 1993, 1994, 1995*, Jordan Electricity Authority, Amman, 1993 to 1996.

*Statistical Yearbook, 1994*, Department of Statistics, Amman, 1995.

*44<sup>th</sup> Annual Report* for the year ending 31<sup>st</sup> December 1999, Jordan Petroleum Refinery Company, Amman, 2000.

#### **Sources up to 1991:**

*Monthly Statistical Bulletin*, Central Bank of Jordan, Department of Research Studies, Amman, various issues.

*Statistical Yearbook*, Department of Statistics, Amman, 1985, 1986 and 1988.

*1986 Annual Report*, Ministry of Energy and Mineral Resources, Amman, 1987.

*1989 Annual Report*, Ministry of Energy and Mineral Resources, Amman, 1990.

#### **Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2000, and Secretariat estimates.

## Kazakhstan

Data for Kazakhstan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

More detailed information on final consumption for the years 2008-2010 was newly available. As a result, breaks in time series may appear between 2007 and 2008.

#### **Sources 1993 to 2010:**

Direct communication with the Agency on Statistics of the Republic of Kazakhstan, Astana.

*Fuel and Energy Balance of Kazakhstan Republic*, Agency on Statistics of the Republic of Kazakhstan, Astana, various editions up to 2010.

UNECE annual energy questionnaires, 1993, 1995, 1997 to 2009.

*Statistical Yearbook "Kazakhstan in 2009"*, Agency on Statistics of the Republic of Kazakhstan, Astana, 2010.

Secretariat estimates.

#### **Sources 1990 to 1992:**

Secretariat estimates.

#### **Sources for Biofuels and waste:**

*Fuel and Energy Balance of Kazakhstan Republic*, Agency on Statistics of the Republic of Kazakhstan, Astana, various editions up to 2010.

Forestry Statistics, FAO, Rome, 2000 and Secretariat estimates.

## Kenya

As of 2001, electricity data are reported on a fiscal year basis, beginning on the 1<sup>st</sup> of July and ending on the 30 June of the subsequent year.

#### **Sources 2005 to 2010:**

*Economic Survey*, various editions, Central Bureau of Statistics, Nairobi.

Direct communication with AFREPREN and Petroleum Institute of East Africa, Nairobi, up to 2008.

*Kenya, Facts and figures*, 2006 Edition, Central Bureau of Statistics, Nairobi.

*Annual Report and Accounts*, 2006/07 to 2010/11 the Kenya Power & Lighting Company Limited, Nairobi.

Secretariat estimates.

#### **Sources 1992 to 2004:**

Direct communication with the Ministry of Energy, Nairobi.

*Economic Survey, 1995 to 2004*, Central Bureau of Statistics, Nairobi.

*Annual Report and Accounts*, 2001/02, 2002/03, 2003/2004, 2004, 2005, the Kenya Power & Lighting Company Limited, Nairobi.

*The UN Energy Statistics Database*.

#### **Sources up to 1991:**

*Economic Survey*, Government of Kenya, Nairobi, 1989.

*Economic Survey 1991*, Ministry of Planning and National Development, Central Bureau of Statistics, Nairobi, 1992.

*Kenya Statistical Digest*, Ministry of Planning and National Development, Central Bureau of Statistics, Nairobi, 1988.

**Sources for Biofuels and waste:**

Data for 2000 are based on research carried out by the Ministry of Energy on consumption of biomass. The results of this research were published as part of a National Energy Policy initiative.

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Democratic People's Republic of Korea

**Sources 1971 to 2010:**

Direct communication with various Korean sources, 2002 to 2011.

*The UN Energy Statistics Database.*

Secretariat estimates.

**Sources for Biofuels and waste:**

*The UN Energy Statistics Database.*

## Kosovo

Data for Kosovo are available starting in 2000. Prior to that, they are included in Serbia.

**Sources 2003 to 2010:**

Kosovo National Energy Balances, Ministry of Energy and Mining Department of Strategy, Standards and Statistics from 2003 to 2010.

Secretariat estimates

**Sources 2000 to 2002:**

Secretariat estimates.

## Kuwait

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Data for crude oil production include 50 per cent of the output of the Neutral Zone.

**Sources 1992 to 2010:**

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, 2011.

Direct communication with the Ministry of Oil, Economic Affairs, Energy Research, Safat, 2005, 2007 to 2009.

*Annual Electrical Statistics*, Ministry of Electricity and Water, Safat, various editions up to 2009.

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2011.

*The UN Energy Statistics Database.*

Direct communication to the Secretariat from the Ministry of Oil, Safat, the Ministry of Planning and the Ministry of Electricity & Water, Kuwait City.

*Monthly Digest of Statistics*, Ministry of Planning, Central Statistical Office, Kuwait, 1999.

*A Survey of the Kuwait Oil Industry*, Embassy of the United States of America in Kuwait City, Kuwait, 1993.

*Twelfth Annual Report 1991-1992*, Kuwait Petroleum Corporation, Kuwait, 1993.

**Sources up to 1991:**

*Quarterly Statistical Bulletin*, Central Bank of Kuwait, Kuwait, various editions from 1986 and 1987.

*The Kuwaiti Economy*, Central Bank of Kuwait, Kuwait, various editions from 1980 to 1985.

*Annual Statistical Abstract*, Ministry of Planning, Central Statistical Office, Kuwait, 1986 and 1989.

*Monthly Digest of Statistics*, Ministry of Planning, Central Statistical Office, Kuwait, various editions from 1986 to 1990.

*Economic and Financial Bulletin Monthly*, Central Bank of Kuwait, Kuwait, various editions from 1983 to 1986.

*Kuwait in Figures*, The National Bank of Kuwait, Kuwait, 1986, 1987.

**Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2001, and Secretariat estimates.

## Kyrgyzstan

Data for Kyrgyzstan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### *Sources 2007 to 2010:*

Direct communication with the Interstate Statistical Committee of the Commonwealth of Independent States, Moscow.

*The UN Energy Statistics Database.*

*CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, 2008 to 2011.

Direct communication with the National Statistical Committee of Kyrgyzstan, Bishkek.

*Natural Gas Vehicles Statistics*, International Association for Natural Gas Vehicles, online database: [www.iangv.org](http://www.iangv.org).

Secretariat estimates.

### *Sources 1993 to 2006:*

UNECE annual energy questionnaires, 1993 to 2006.

*CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2007.

Asian Development Bank.

Secretariat estimates.

### *Sources 1990 to 1992:*

Secretariat estimates.

### *Sources for Biofuels and waste:*

*The UN Energy Statistics Database.*

## Latvia

Data for Latvia are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### *Sources 1990 to 2010:*

Direct communication with Statistics Latvia, Riga.

UNECE annual energy questionnaires.

Balance of Latvian Energy, EC PHARE Project Implementation Unit, Ministry of Economics, Department of Energy, Riga, 1994.

Secretariat estimates.

## Lebanon

Solar thermal data have been added in cycle 2012.

### *Sources up to 2010:*

Direct communication with l'Association Libanaise pour la Maîtrise de l'Energie et l'Environnement, (ALMEE), Beirut.

*Les bilans énergétiques au Liban*, Association Libanaise pour la Maîtrise de l'Energie et de l'Environnement, Beirut, 2007 to 2011.

*L'Energie au Liban*, Association Libanaise pour la Maîtrise de l'Energie et de l'Environnement, Beirut, 1994 to 2006.

*L'Energie au Liban, le Défi*, Association Libanaise pour la Maîtrise de l'Energie, Beirut, December 1996.

Secretariat estimates.

### *Sources for Biofuels and waste:*

*Le marché du solaire thermique au Liban*, Association Libanaise pour la Maîtrise de l'Energie et de l'Environnement, Beirut, 2010.

*Forestry Statistics*, FAO, Rome, 2000 and Secretariat estimates.

## Libya

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

### *Sources 1971 to 2010:*

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2010.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2010.

*Annual Report, 2008*, General Electricity Company (GECOL), Tripoli.

*Statistiques d'Electricité du COMELEC, 2006, 2007*, Comité Maghrébin de l'Electricité.

*Statistical Abstract of Libya*, 19th vol., Government of Libya, Tripoli, 1983.

Secretariat estimates.

**Sources for Biofuels and waste:**

The *UN Energy Statistics Database* and Secretariat estimates.

**Lithuania**

Lithuania shut down its only nuclear power plant in 2009 (Ignalina nuclear power plant), therefore 2010 data show no nuclear power generation.

Data for Lithuania are available starting in 1990. Prior to that, they are included in Former Soviet Union.

**Sources 1990 to 2010:**

Direct communication with Statistics Lithuania, Vilnius.

UNECE annual energy questionnaires.

**Former Yugoslav Republic of Macedonia (FYROM)**

Data for FYROM are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

**Sources 1990 to 2010:**

Direct communication with the State Statistical Office of Macedonia, Department for Environment, Energy and Transport, Skopje.

UNECE annual energy questionnaires, 1993 to 1995, 1999 to 2010.

Secretariat estimates.

**Sources for Biofuels and waste:**

UNECE annual energy questionnaires, Secretariat estimates, *UN Energy Statistics Database* and *Forestry Statistics*, FAO, Rome, 2000.

**Malaysia**

From 2009, new data for electricity generation from co-generators, small renewable power producers and self-generators is available. As a consequence, breaks in time series may appear for electricity between 2008 and 2009.

For natural gas production from the Joint-Development Areas (JDA) with Thailand and with Indonesia, Malaysia reports only the production that

corresponds to Malaysia. The rest is being reported as imports. For the JDA with Vietnam, the production reported includes all the gas produced.

**Sources 2000 to 2010:**

Direct communication with the Energy Commission, formerly known as Malaysia Energy Centre (PTM), Putrajaya.

*National Energy Balance*, Malaysia, Energy Commission, Putrajaya, 2009 to 2010

*Electricity Supply Statistics, Malaysia Energy Information Hub*, website: meih.st.gov.my, 2010

*Electricity Supply Industry in Malaysia, Performance and Statistical Information*, Malaysia Energy Commission, Putrajaya, 2009.

*Monthly exports of oil palm products*, Malaysia Palm Oil Board, Kuala Lumpur.

APEC annual energy questionnaires, 2009.

*National Energy Balance Malaysia*, Ministry of Energy, Water and Communication, Kuala Lumpur, 2002 to 2008.

**Sources up to 2000:**

Direct communication with Petroliaam Nasional Berhad, Kuala Lumpur, April 2001.

**Sources for Biofuels and waste:**

*Monthly exports of oil palm products*, Malaysia Palm Oil Board, Kuala Lumpur.

Secretariat estimates.

*The UN Energy Statistics Database* and *Forestry Statistics*, FAO, Rome, 2002.

**Malta****Sources 1971 to 2010:**

Direct communication with the Central Office of Statistics, Valletta.

UNECE annual energy questionnaire on Oil, 1995 to 1998, 2000, 2001, 2005 to 2010.

UNECE annual energy questionnaire on Electricity and Heat, 1994 to 1998, 2000, 2001, 2003, and 2005 to 2010.

UNECE annual energy questionnaire on Coal, 1994, 1995.



*Solar Heat Worldwide*, AEE - Institute for Sustainable Technologies, Gleisdorf, various editions up to 2010.

Secretariat estimates.

## Republic of Moldova

Data for 2009-2010 include natural gas estimations for the electricity produced in the autonomous region of Sînga Nistrului (also known as the Pridnestrovian Moldavian Republic or Transnistria) and consumed in Moldova. Other energy production or consumption from this region are not included in the Moldovan data. This may lead to breaks in the time series for some products.

From 2005 to 2010, only partial data for the refinery in Comrat is available. Data for Moldova are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### *Sources 2006 to 2010:*

Direct communication with the National Bureau of Statistics of the Republic of Moldova, Chisinau.

UNECE annual energy questionnaires on Coal, Oil Natural gas and Electricity.

Secretariat estimates

### *Sources 2005:*

Secretariat estimates.

### *Sources 1992 to 2004:*

UNECE annual energy questionnaire on Electricity and heat, 1991 to 2004.

UNECE annual energy questionnaire on Natural gas, 1991 to 2004.

UNECE annual energy questionnaire on Coal, 1992 to 2004.

UNECE annual energy questionnaire on Oil, 1993 to 1998, 2001 to 2004.

Direct communication with the Ministry of Industry and Energy, July 1992.

### *Sources 1990 to 1991:*

Secretariat estimates.

### *Sources for Biofuels and waste:*

*The UN Energy Statistics Database.*

## Mongolia

Data for Mongolia are available starting in 1985. Prior to that, they are included in Other Asia.

Time series data from 2005-2009 for coking coal, other bituminous coal and lignite were revised based on newly available information. Breaks in time series are possible between 2004 and 2005 for some products.

### *Sources 1985 to 2010:*

*Mongolian Statistical Yearbook*, National Statistical Office, Ulaanbataar, various issues up to 2010.

*Mongolian Statistical Bulletin, December 2009*, National Statistical Office, Ulaanbataar, 2009.

Asian Development Bank online database.

Secretariat estimates.

### *Sources for Biofuels and waste:*

FAO wood energy database.

Secretariat estimates.

## Montenegro

Data for Montenegro are available starting in 2005. Between 1990 and 2004, they are included in Serbia. Prior to 1990, they are included in Former Yugoslavia.

### *Sources 2005 to 2010:*

Direct communication with the Statistical Office of Montenegro (MONSTAT), Podgorica.

UNECE annual energy questionnaires on Gas, Oil, Renewables, Coal, Electricity and Heat, 2005 to 2010.

## Morocco

A new refinery opened up in 2009 which can accommodate new feedstocks and additives. This may lead to breaks in time series between 2009 and 2010.

Time series data from 1994-2007 for electricity output were revised based on newly available data for auto-producers obtained in 2009. Breaks in time series are possible between 1993 and 1994 for some products.

**Sources 1992 to 2010:**

Direct communication with the Ministère de l'Energie et des Mines, Direction des Mines, Rabat.

*Annuaire Statistique du Maroc*, Haut-Commissariat au Plan, Direction de la Statistique, Rabat, 1980, 1984, 1986 to 2010.

Electricity consumption by economic sector from direct communication from Office National de l'Electricité, Casablanca.

**Sources up to 1991:**

*Rapport d'Activité 1992*, Office National de l'Electricité, Casablanca, 1993.

*Le Maroc en Chiffres 1986*, Ministère du Plan, Direction de la Statistique, Rabat, 1987.

*Rapport Annuel*, Office National de Recherches et d'Exploitations Pétrolières, Maroc, 1984.

*Rapport d'Activité du Secteur Pétrolier 1983*, Ministère de l'Energie et des Mines, Direction de l'Energie, Rabat, 1984.

*Rapport sur les Données Energétiques Nationales 1979-1981*, Ministère de l'Energie et des Mines, Rabat, 1982.

**Sources for Biofuels and waste:**

*The UN Energy Statistics Database* and Secretariat estimates.

**Mozambique****Sources 1992 to 2010:**

Direct communication with Ministerio da Energia, Maputo and the National Petroleum Institute.

*Annual Statistical Yearbook 1993, 1994, 1995*, Eskom, Johannesburg, 1994, 1995, 1996, citing Electricidade de Mozambique, Maputo, as source.

*The UN Energy Statistics Database*.

Secretariat estimates.

**Sources up to 1991:**

Secretariat estimates.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy

Programme of the African Development Bank, Abidjan, 1996.

**Myanmar****Sources 1992 to 2010:**

Direct communication with IEEJ, Tokyo, 2010.

*Selected Indicators*, Myanmar Central Statistical Organisation website: [www.csostat.gov.mm](http://www.csostat.gov.mm).

Secretariat estimates.

Joint Oil Data Initiative (JODI) online database. 2004 to 2005, 2007 to 2009.

*Oil and Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2007 to 2010.

Direct communications with the Ministry of Energy, Planning Department, Rangoon, 2006-2007.

*Review of the Financial Economic and Social Conditions*, Ministry of National Planning and Economic Development, Central Statistical Organization, Rangoon, 1995, 1996.

*Statistical Yearbook*, Ministry of National Planning and Economic Development, Central Statistical Organization, Rangoon, 1995, 1996.

*The UN Energy Statistics Database*.

*The ASEAN Energy Statistics Database*.

Asian Development Bank online database.

**Sources up to 1991:**

*Sectoral Energy Demand in Myanmar*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.

*Selected Monthly Economic Indicators, paper no. 3*, Ministry of Planning and Finance, Central Statistical Organization, Rangoon, 1989.

**Sources for Biofuels and waste:**

Wood data have been submitted by the Ministry of Energy, from 1985 to 2003.

Secretariat estimates based on 1990 data from *UNDP Sixth Country Programme Union of Myanmar*, World Bank, Programme Sectoral Review of Energy, by Sousing et. al., Washington, D.C., 1991.

## Namibia

Data for Namibia are available starting in 1991. Prior to that, data are included in Other Africa.

### **Sources 1991 to 2010:**

Secretariat estimates.

Direct communications with the Ministry of Mines and Energy, Windhoek.

*NamPower Annual Reports 2004-2011*, Namibia Power Corporation, Windhoek.

### **Sources for Biofuels and waste:**

Secretariat estimates.

## Nepal

Data are reported on a fiscal year basis.

### **Sources up to 2010:**

*Energy Sector Synopsis Report*, Water and Energy Commission Secretariat (WECS), Kathmandu, July 2010.

*A Year in Review*, Nepal Electricity Authority, Durbar Marg, Kathmandu, various editions up to fiscal year 2009/10.

*Imports and Sales of Petroleum Products*, Nepal Oil Corporation Limited, Kathmandu.

Secretariat estimates.

Direct communication with the Water and Energy Commission Secretariat (WECS), Ministry of Water Resources, Kathmandu, 2004.

### **Sources for Biofuels and waste:**

Water and Energy Commission Secretariat (WECS), Ministry of Water Resources, Kathmandu

## Netherlands Antilles

The Netherlands Antilles was dissolved on 10 October 2010, resulting in two new constituent countries, Curaçao and Saint Maarten, with the other islands joining the Netherlands. However, due to a lack of detailed data, the Secretariat's data and estimates under the Netherlands Antilles cover the whole territory of the former Netherlands Antilles.

Due to lack of a complete series for GDP data, regional aggregates for GDP and GDP PPP do not include the Netherlands Antilles from 1971 to 1979.

### **Sources 1997 to 2010:**

*Statistical indicators 1998-2009*, Central Bank of Netherlands Antilles, Willemstad.

Direct communication with La Isla Refinery, Em-mastad, up to 2008.

*Statistical Information*, Central Bureau of Statistics, Fort Amsterdam, up to 2008.

Secretariat estimates.

### **Sources up to 1996:**

*The UN Energy Statistics Database*.

## Nicaragua

### **Sources up to 2010:**

*Estadísticas de los Hidrocarburos*, Ministerio de Energía y Minas, Managua, 2008 to 2010.

*Generación Bruta por Tipo de Planta*, Instituto Nicaragüense de Energía, Managua, 2010.

*Consumo de Combustible por Tipo de Planta*, Instituto Nicaragüense de Energía, Managua, 2010.

*Balance Energético Nacional*, Ministerio de Energía y Minas, Managua, 2006 to 2007.

*Balance Energético Nacional*, Comisión Nacional de Energía (CNE), Dirección de Políticas Energéticas, Managua, 2000 to 2005.

*Estadísticas des Suministro de los Hidrocarburos*, Instituto Nicaragüense de Energía, Managua, 1999 to 2004.

*Informe Anual 1996: Datos Estadísticos del Sector Electrico*, INE, Managua, 1999.

*SIEE*, OLADE.

### **Sources for Biofuels and waste:**

*SIEE*, OLADE 1971 to 2010.

*Balance Energetico Nacional*, Comision Nacional de Energia (CNE), Managua, 1999 to 2007.

## Nigeria

Crude oil production and export data include field condensate.

Statistical differences may include oil products smuggled into neighbouring countries.

**Sources 1992 to 2010:**

*Annual Petroleum Bulletin*, 1998 to 2010, Nigerian National Petroleum Corporation (NNPC), Abuja.

*Statistical Bulletin*, Central Bank of Nigeria, Abuja, 2003 to 2011.

Secretariat estimates.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.

*Monthly Petroleum Bulletin* for 2000, Nigerian National Petroleum Corporation (NNPC), Abuja.

*Annual Report and Statement of Accounts 1995*, Central Bank of Nigeria, Lagos, 1996.

*Nigerian Petroleum News*, Energy Publications, monthly reports, various issues up to May 1998.

**Sources up to 1991:**

*Annual Report and Statement of Accounts*, Central Bank of Nigeria, Lagos, various editions from 1981 to 1987.

*Basic Energy Statistics for Nigeria*, Nigerian National Petroleum Corporation, Lagos, 1984.

*NNPC Annual Statistical Bulletin*, Nigerian National Petroleum Corporation, Lagos, 1983 to 1987.

*The Economic and Financial Review*, Central Bank of Nigeria, Lagos, various editions.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Oman

The product refinery gas has been estimated by the Secretariat in the 2012 edition for the whole time series.

**Sources 1992 to 2010:**

*Statistical Yearbook*, Ministry of National Economy, Muscat, various editions from 1999 to 2011.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

Annual Statistical Report, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2011.

The LNG Industry, International Group of Liquefied Natural Gas Importers (GIIGNL), Levallois, 2005-2008.

Direct communication with the Ministry of National Economy, Muscat.

Direct communication with the Ministry of Oil and Gas, Muscat.

Direct communication with the Ministry of Petroleum and Minerals, Muscat, 1997, 1998, and 1999.

Direct communication with the Ministry of Electricity & Water, Office of the Under Secretary, Ruwi, 1998 to 2001.

Quarterly Bulletin December 1994, Central Bank of Oman, Muscat, 1995.

Annual Report 1992, Central Bank of Oman, Muscat, 1993.

Statistical Yearbook, 1994, 1995, 1996, 1997, Ministry of Development, Muscat, 1995 to 1998.

Secretariat estimates.

**Sources up to 1991:**

*Quarterly Bulletin*, Central Bank of Oman, Muscat, 1986, 1987, 1989 and 1995.

*Annual Report to His Majesty the Sultan of Oman*, Department of Information and Public Affairs, Petroleum Development, Muscat, 1981, 1982, and 1984.

*Oman Facts and Figures 1986*, Directorate General of National Statistics, Development Council, Technical Secretariat, Muscat, 1987.

*Quarterly Bulletin on Main Economic Indicators*, Directorate General of National Statistics, Muscat, 1989.

*Statistical Yearbook*, Directorate General of National Statistics, Development Council, Muscat, 1985, 1986, 1988 and 1992.

## Pakistan

Time series data for natural gas for the years 2004-2007 were revised in 2009 due to the inclusion of the North-West Frontier Province data (now called KPK) and Pakistan Steel Mills. Breaks in time series may occur between 2003 and 2004.

**Sources 1992 to 2010:**

*Energy Yearbook*, Hydrocarbon Development Institute of Pakistan, Ministry of Petroleum and Natural Resources, Islamabad, various editions from 1979 to 2011.

*Pakistan Economic Survey 1994-1995, 1996, 1997*, Government of Pakistan, Finance Division, Islamabad, 1995, 1997, 1998.

*Statistical Supplement 1993/1994*, Finance Division, Economic Adviser's Wing, Government of Pakistan, Islamabad, 1995.

**Sources up to 1991:**

*Monthly Statistical Bulletin, no. 12*, Federal Bureau of Statistics, Islamabad, December 1989.

*1986 Bulletin*, The State Bank of Pakistan, Islamabad, 1987.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Household Energy Strategy Study (HESS)* of 1991.

## Panama

International aviation bunkers figures for jet kerosene may include exports. The national administration is working to revise time series for jet kerosene.

From 2003 onwards, there has been no output of oil products, due to refinery closure.

**Sources up to 2010:**

*SIEE*, OLADE.

*Compendio Estadístico Energético 1970-2007*, Ministerio de Economía y Finanzas, Comisión de Política Energética, Panama.

*Boletín Estadístico Marítimo Portuario*, Autoridad Marítima de Panama (AMP), 2007 to 2010

U.S. Energy Information Administration (EIA), website, marine bunkers data from 2001 to 2006.

## Paraguay

The Itaipu hydroelectric plant, operating since 1984 and located on the Paraná River (which forms the border of Brazil and Paraguay) was formed as a joint venture between Eletrobrás and the Paraguayan government. Production is shared equally between Brazil and Paraguay.

From 2006 onwards, there has been no output of oil products, due to refinery closure.

**Sources 1971 to 2010:**

*Balance Energético Nacional, 1971-2010*, Vice-ministerio de Energía y Minas, Ministerio de Obras Públicas y Comunicaciones, San Lorenzo.

Direct communication with the Ministerio de Obras Públicas y Comunicaciones, San Lorenzo.

**Sources for Biofuels and waste:**

Direct communication with the Non-Conventional Energy Department of Ministerio de Obras Públicas y Comunicaciones, San Lorenzo.

## Peru

Liquid biofuels start to be considered in the energy balances in 2010.

Motor gasoline consumption in road transport has been revised and it now includes gasoline sold to industry, commerce and the public sector, which is used for road transportation.

**Sources 1971 to 2010:**

Direct communication with the Ministerio de Energía y Minas, Oficina Técnica de Energía, Lima.

*Balance Nacional de Energía*, Ministerio de Energía y Minas, Lima, various editions up to 2010.

## Philippines

**Sources 1990 to 2010:**

APEC annual energy statistics questionnaires 1990-2010.

Direct communication with the Department of Energy, Metro Manila.

Energy Commodity Account (ECA) and Overall Energy Balance (OEB) 1990-2008, 2010 submitted by the Department of Energy, Manila.

*Annual Report*, Semirara, 2006-2010.

*Philippine Energy Bulletin* 1996, 1997, 1998, 1999.

**Sources up to 1989:**

Direct communication with the Office of Energy Affairs, Metro Manila.

*APEC Energy Statistics 1994*, Tokyo, October 1996.

*1990 Power Development Program (1990-2005)*, National Power Corporation, Manila, 1990.

*Philippine Medium-term Energy Plan 1988-1992*, Office of Energy Affairs, Manila, 1989.

*Philippine Statistical Yearbook 1977-1983*, National Economic and Development Authority, Manila.

*1985 and 1989 Annual Report*, National Power Corporation, Manila, 1986, 1990.

*Philippine Economic Indicators*, National Economic and Development Authority, Manila, various editions of 1985.

*Accomplishment Report: Energy Self-Reliance 1973-1983*, Ministry of Energy, Manila, 1984.

*Industrial Energy Profiles 1972-1979, vol. 1-4*, Ministry of Energy, Manila, 1980.

*National Energy Program*, Ministry of Energy, Manila, 1982-1987 and 1986-1990.

*Philippine Statistics 1974-1981*, Ministry of Energy, Manila, 1982.

*Energy Statistics*, National Economic and Development Authority, Manila, 1983.

*Quarterly Review*, Office of Energy Affairs, Manila, various editions.

*UN Energy Statistics Database* and Secretariat estimates.

## Qatar

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Natural gas input to “Gas to Liquids” plants is not reported due to lack of reliable data, while the output of this transformation is accounted for.

Electricity production from autoproducers includes generation by desalination plants since 1988.

### **Sources 1992 to 2010:**

Direct communication with Qatar Petroleum, Doha.

Energy Statistics 2004-2010, Qatar Petroleum, Doha.

*Qatar in Figures 2011*, Qatar Statistics Authority, Doha.

*Statistics Report*, Qatar General Electricity and Water Corporation, Doha, 2005 to 2010.

*Annual Statistical Abstract*, Presidency of the Council of Ministers, Central Statistical Office, Doha, 1994 to 2008.

*The UN Energy Statistics Database*.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

*The LNG Industry*, International Group of Liquefied Natural Gas Importers (GIIGNL), various editions up to 2009.

Secretariat estimates.

### **Sources up to 1991:**

*Qatar General Petroleum Corporation 1981-1985*, General Petroleum Corporation, Doha, 1986.

*Economic Survey of Qatar 1990*, Ministry of Economy and Commerce, Department of Economic Affairs, Doha, 1991.

*Statistical Report 1987 Electricity & Water*, Ministry of Electricity, Doha, 1988.

*State of Qatar Seventh Annual Report 1983*, Qatar Monetary Agency, Department of Research and Statistics, Doha, 1984.

### **Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2000, and Secretariat estimates.

## Romania

Data on quantities of coke oven coke used in blast furnaces do not correspond to the official submission of the national administration, as they have been estimated by the Secretariat to ensure a carbon balance in the blast furnace transformation.

### **Sources 1992 to 2010:**

Direct communication with the National Institute of Statistics, Bucharest.

UNECE annual energy questionnaires.

*Buletin Statistic de Informare Publica*, Comisia Nationala Pentru Statistica, Bucharest, various editions up to June 1995.

*Renel Information Bulletin*, Romanian Electricity Authority, Bucharest, 1990, 1991, 1992, 1993, 1994.

### **Sources up to 1991:**

*Anuarul Statistic al Republicii Socialiste Romania*, Comisia Nationala Pentru Statistica, Bucharest, 1984, 1985, 1986, 1990, 1991.

**Sources for Biofuels and waste:**

UNECE annual energy questionnaires and Secretariat estimates.

**Russian Federation**

Oil statistics are mainly based on submissions received from Rosstat. However, secondary sources show a growing gap for some products, especially naphtha and kerosene. These gaps will be further investigated for the next edition of the publication.

Data for the Russian Federation are available starting in 1990. Prior to that, they are included in Former Soviet Union.

In 2007, the Federal State Statistics Service introduced a new classification, the Russian Classification of Economic Activities (OKVED), oriented towards harmonization with the Statistical Classification of Economic Activities in the European Community (NACE Rev.1). Data for the years prior to 2005 were submitted to the Secretariat according to the Russian Classification of the Industries of the Economy (OKONKH). Therefore, breaks in time series for final consumption sectors may occur between 2004 and 2005.

Heat from other sources is produced from recovered waste heat.

**Sources 1990 to 2010:**

Direct communication with the Department of Foreign Statistics and International Cooperation from the Federal State Statistics Service (Rosstat), Moscow, Russian Federation.

UNECE annual energy questionnaires.

Secretariat estimates.

Energy trade: direct communication with the Federal State Statistics Service, July 1994.

*Statistical Yearbook of Russia 1994*. The State Committee of Statistics, Moscow, 1994.

*The Russian Federation in 1992, Statistical Yearbook*, The Federal State Statistics Service, Moscow, 1993.

*Russian Federation External Trade*, annual and quarterly various editions, the Federal State Statistics Service, Moscow.

*Statistical Bulletin*, various editions, The State Committee of Statistics of the CIS, Moscow, 1993, 1994.

*Statistical Bulletin n° 3*, The Federal State Statistics Service, Moscow, 1992.

*Fuel and Energy Balance of Russia 1990*, The Federal State Statistics Service, Moscow, 1991.

*Energetika*, Energo-Atomisdat, Moscow, 1981 to 1987.

**Sources for Biofuels and waste:**

The Federal State Statistics Service and Secretariat estimates.

**Saudi Arabia**

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Data for crude oil production include 50 per cent of the output of the Neutral Zone.

Natural gas consumption in oil refineries may include quantities used for oil and gas extraction and for electricity generation in oil refineries.

Electricity production from autoproducers includes generation by desalination plants since 1979.

**Sources 1992 to 2010:**

*Annual Reports*, Saudi ARAMCO, Dhahran, various editions up to 2010.

*Annual Report*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, 2011.

Joint Oil Data Initiative (JODI) online database.

Ministry of Petroleum and Mineral Resources, 2009.

Direct communication with the Saudi Electricity Company.

*Middle East Petroleum Databook*, FACTS Global Energy Group, Singapore, 2009 and 2010.

*Electricity Growth and Development in the Kingdom of Saudi Arabia up to the year from 1416H. (1996G.), 1420 H (1999/2000G) and 1423/1424 H (2003G)*, Ministry of Industry and Electricity, Riyadh, 1997, 1998, 1999, 2004.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2010.

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.

Secretariat estimates.

Direct communication from the Central Department of Statistics of the Ministry of Planning and oil industry sources.

*A Survey of the Saudi Arabian Oil Industry 1993*, Embassy of the United States of America in Riyadh, Riyadh, January 1994.

#### **Sources up to 1991:**

*Annual Reports*, Saudi ARAMCO, various issues.

*Petroleum Statistical Bulletin 1983*, Ministry of Petroleum and Mineral Resources, Riyadh, 1984.

*Achievement of the Development Plans 1970-1984*, Ministry of Planning, Riyadh, 1985.

*The 1st, 2nd, 3rd and 4th Development Plans*, Ministry of Planning, Riyadh, 1970, 1975, 1980 and 1985.

*Annual Report*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, 1984, 1985, 1986, 1988, 1989.

*Statistical Summary*, Saudi Arabian Monetary Agency, Research and Statistics Department, Riyadh, 1986.

#### **Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2000, and Secretariat estimates.

## Senegal

Member of the SIE-Afrique project.

Data on electricity generation from solid biomass have been submitted for the first time in 2005. Breaks in series may occur between 2002 and 2003 due to changes in data sources.

#### **Sources 2010:**

Secretariat estimates.

#### **Sources 2009:**

*Bilans énergétiques du Sénégal 2009*, Direction de l'Énergie, Dakar 2010.

Secretariat estimates.

#### **Sources 2008:**

*Bulletin mensuel des statistiques économiques*, Agence nationale de la Statistique et de la Démographie (ANSD), Dakar, March 2009.

Direct communication with the Ministère de l'Énergie, Dakar.

#### **Sources 2000 to 2007:**

*Bilans énergétiques du Sénégal 2003, 2004, 2005, 2006*, Direction de l'Énergie, Dakar.

Secretariat estimates.

#### **Sources 1992 to 1999:**

Direct communication with the Ministère de l'Énergie, des Mines et de l'Industrie, Direction de l'Énergie, Dakar, 1997 to 2002.

Direct communication with the Ministère de l'Énergie, des Mines et de l'Hydraulique, Comité National des Hydrocarbures, Dakar, 2002.

Direct communication from oil industry sources, Société Africaine de raffinage.

Direct communication from electricity industry sources, SENELEC.

*Report of Senegal on the Inventory of Greenhouse Gases Sources*, Ministère de l'Environnement et de la Protection de la Nature, Dakar, 1994.

Direct communication to the Secretariat from ENDA - Energy Program, Dakar, 1997.

*The UN Energy Statistics Database*.

#### **Sources up to 1991:**

*Situation Economique 1985*, Ministère de l'Économie et des Finances, Direction de la Statistique, Senegal, 1986.

#### **Sources for Biofuels and waste:**

Secretariat estimates based on 1994 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996, and from direct communication with ENDA, Senegal.

## Serbia

Data for Serbia are available starting in 1990. Prior to that, they are included in Former Yugoslavia.

Serbia energy data include Montenegro until 2004 and The United Nations Interim Administration Mission in Kosovo until 1999.

Breaks in time series for oil products and natural gas may appear between 2006 and 2007 due to newly available data for 2007 (see Sources).



In 2012, the IEA received revised data for biomass for 2009 and 2010 from the ministry.

#### **Sources 1990 to 2010:**

Direct communication with the Statistical Office of the Republic of Serbia, Belgrade.

UNECE annual energy questionnaires on Gas, Oil, Renewables, Coal, Electricity and Heat, 2004 to 2010.

Pilot study: *Energy Balances (2007 and 2008) - Oil and Derivates of Oil, Natural Gas, Geothermal Energy and Energy Balance of the Republic of Serbia*, Statistical Office of the Republic of Serbia, Belgrade, 2009.

Secretariat estimates.

Direct communication with the Federal Ministry of Economy, Belgrade, 2001 and 2002.

## Singapore

No official data on production and consumption of primary and secondary oil products, coal, biofuels and wastes are available.

The Energy Market Authority published a first energy statistics book in 2011, containing data on electricity and natural gas consumption for 2009. Breaks in time series may occur between 2008 and 2009 due to this new data release.

Electricity consumption in the industry sector may include electricity consumption in the energy sector. Electricity generation from waste may include quantities generated from synthesis gas or manufactured gases.

From 2009, trade figures exclude transit trade according to the Secretariat's methodology. Breaks in time series appear in motor gasoline imports and exports between 2008 and 2009.

#### **Sources 1992 to 2010:**

Direct communication with the Energy Market Authority, Singapore, 2009-2010.

*Singapore Trade Statistics*, International Enterprise Singapore, Singapore, various CD ROM editions up to 2011.

*Singapore Energy Statistics 2011*, Energy Market Authority, Singapore, 2011.

*Yearbook of Statistics Singapore*, Department of Statistics, Singapore, various editions up to 2011.

*Motor Vehicle Population by Type of Fuel Used*, website of the Land Transport Authority: [www.lta.gov.sg](http://www.lta.gov.sg).

*Bunker sales*, website of The Maritime and Port Authority of Singapore: [www.mpa.gov.sg](http://www.mpa.gov.sg).

*Solid Waste Management Statistics*, website of The Ministry of the Environment and Water Resources: <http://app.mewr.gov.sg/>.

*The Strategist Oil Report*, Singapore, various issues up to March 1999.

*Petroleum in Singapore 1993/1994*, Petroleum Intelligence Weekly, Singapore, 1994.

AEEMTRC, 1996.

*The UN Energy Statistics Database*.

Direct submissions from oil industry sources up to 1996.

Secretariat estimates.

#### **Sources up to 1991:**

*Monthly Digest of Statistics*, Department of Statistics, Singapore, various editions from 1987 to 1989.

*Yearbook of Statistics Singapore 1975/1985*, Department of Statistics, Singapore, 1986.

*ASEAN Oil Movements and Factors Affecting Intra-ASEAN Oil Trade*, Institute of Southeast Asian Studies, Singapore, 1988.

*The Changing Structure of the Oil Market and Its Implications for Singapore's Oil Industry*, Institute of Southeast Asian Studies, Singapore, 1988.

*Public Utilities Board Annual Report (1986 and 1989)*, Public Utilities Board, Singapore, 1987 and 1990.

#### **Sources for Biofuels and waste:**

The UN Energy Statistics Database and Secretariat estimates.

## South Africa

Time series data for crude oil refinery input, all oil products transfers and other hydrocarbons production from other sources have been revised from 1971-2009 because of reallocation of gas to liquids and coal to liquids plant production.

#### **Sources 2010:**

*Statistical release on electricity generated and available for distribution*, Statistics South Africa, Pretoria.

*Bulletins of Statistics*, Statistics South Africa, Pretoria.  
Joint Oil Data Initiative (JODI) online database.

*Annual Reports*, South Africa Petroleum Industry Association (SAPIA), Sandton.

*Annual Reports*, Electricity Supply Commission (ESKOM), South Africa.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

World Steel Association online statistics database.

Secretariat estimates.

#### **Sources 1992 to 2009:**

Energy balances submitted to the Secretariat from the Department of Minerals and Energy, 2003 to 2009.

*Electricity generated and available for distribution*, Statistics South Africa, Pretoria, various editions up to 2009.

Direct submission from the Institute for Energy Studies, Rand Afrikaans University, Pretoria, 1998 to 2001.

*Digest of South African Energy Statistics 1998*.

Direct submissions from the Energy Research Institute, University of Cape Town.

*ESKOM Annual Report*, Electricity Supply Commission (ESKOM), South Africa, 1989 to 1994.

*Statistical Yearbook*, Electricity Supply Commission (ESKOM), South Africa, 1983 to 1994.

*South Africa's Mineral Industry*, Department of Mineral and Energy Affairs, Braamfontein, 1995.

*South African Energy Statistics, 1950-1993*, Department of Mineral and Energy Affairs, Pretoria, 1995.

*Wholesale Trade Sales of Petroleum Products*, Central Statistical Service, Pretoria, 1995.

*South African Coal Statistics 1994*, South African Coal Report, Randburg, 1995.

*Energy Balances in South Africa 1970-1993*, Energy Research Institute, Plumstead, 1995.

#### **Sources up to 1991:**

*Statistical News Release 1981-1985*, Central Statistical Service, South Africa, various editions from 1986 to 1989.

*Annual Report Energy Affairs 1985*, Department of Mineral and Energy Affairs, Pretoria, 1986.

*Energy Projections for South Africa (1985 Balance)*, Institute for Energy Studies, Rand Afrikaans University, South Africa, 1986.

#### **Sources for Biofuels and waste:**

*South African Energy Statistics 1950-1989, No. 1*, National Energy Council, Pretoria, 1989, and Secretariat estimates.

## Former Soviet Union

Data for individual countries of the Former Soviet Union are available starting in 1990, and most of the information on 1990 and 1991 was estimated by the IEA Secretariat. Because of large breaks in reporting occurred in the early 1990's, breaks may occur in 1990 for all regional totals.

Coal production statistics refer to unwashed and un-screened coal up to 1990. IEA coal statistics normally refer to coal after washing and screening for the removal of inorganic matter. Also, see notes under 'Classification of Fuel Uses' and 'Heat', in Part I.1, Issues of data quality.

The commodity balances presented for the Former Soviet Union include Secretariat estimates of fuel consumption in the main categories of transformation. These estimates are based on secondary sources and on isolated references in FSU literature.

In older editions of this publication, intra-FSU trade was excluded.

#### **Sources up to 1989:**

*Statistical Yearbook*, The State Committee for Statistics of the USSR, Moscow, various editions from 1980 to 1989.

*External Trade of the Independent Republics and the Baltic States, 1990 and 1991*, the State Committee of Statistics of the CIS, Moscow, 1992.

*External Trade of the USSR*, annual and quarterly, various editions, The State Committee of Statistics of the USSR, Moscow, 1986 to 1990.

*CIR Staff Paper no. 14, 28, 29, 30, 32 and 36*, Center for International Research, U.S. Bureau of the Census, Washington, 1986, 1987 and 1988.

*Yearbook on Foreign Trade*, The Ministry of Foreign Trade, Moscow, 1986.

## Sri Lanka

Breaks in time series may occur between 1999 and 2000 due to newly available energy balances provided by the Sri Lanka Sustainable Energy Authority in 2009.

### **Sources 1992 to 2010:**

*Economic and Social Statistics of Sri Lanka 2011*, Central Bank of Sri Lanka, Colombo, May 2012.

Direct communication with the Sri Lanka Sustainable Energy Authority, Colombo.

*Sri Lanka Energy Balances 2000-2010*.

Secretariat estimates.

*The UN Energy Statistics Database*.

Direct communication with the Department of Census and Statistics, 2003 to 2006.

*Annual Report 1993*, Central Bank of Sri Lanka, Colombo, July 1994.

Direct communication with the Ceylon Electricity Board, *Sri Lanka Energy Balances, 1994*.

### **Sources up to 1991:**

*Energy Balance Sheet 1991, 1992*, Energy Unit, Ceylon Electricity Board, Colombo, 1992, 1993.

*Bulletin 1989*, Central Bank of Sri Lanka, Colombo, July 1989.

*Bulletin (monthly)*, Central Bank of Sri Lanka, Colombo, May 1992.

*Sectoral Energy Demand in Sri Lanka*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.

*External Trade Statistics 1992*, Government of Sri Lanka, Colombo, 1993.

### **Sources for Biofuels and waste:**

Energy Conservation Fund and Ceylon Electricity Board.

## Sudan

### **Sources 1992 to 2010:**

Direct communication with the Ministry of Energy and Mines, Khartoum.

*Sudanese Petroleum Corporation Statistics*, Ministry of Petroleum, Khartoum, May 2012.

*Sudan Energy Handbook 2006*, Ministry of Energy and Mines, Khartoum.

Secretariat estimates.

### **Sources up to 1991:**

*Foreign Trade Statistical Digest 1990*, Government of Sudan, Khartoum, 1991.

### **Sources for Biofuels and waste:**

Secretariat estimates based on 1990 data from Bhagavan (ed.) *Energy Utilities and Institutions in Africa*, AFREPREN, Nairobi, 1996.

## Syrian Arab Republic

### **Sources 1992 to 2010:**

Direct Communication with the Ministry of Petroleum and Mineral Resources, 2012.

*Statistical Abstract*, Office of the Prime Minister, Central Bureau of Statistics, Damascus, various editions up to 2011.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2011.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2011.

*The UN Energy Statistics Database (until 2007). Quarterly Bulletin*, Central Bank of Syria, Research Department, Damascus, 2001.

Secretariat estimates.

### **Sources up to 1991:**

*Quarterly Bulletin*, Central Bank of Syria, Research Department, Damascus, 1984.

### **Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2000, and Secretariat estimates.

## Tajikistan

Data for Tajikistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

### **Sources 1990 to 2010:**

Direct communication with the State Committee on Statistics, Republic of Tajikistan, Dushanbe.

UNECE annual energy questionnaires, 1991 to 2007.

*CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2011.

Statistical Agency under the President of the Republic of Tajikistan.

Asian Development Bank Statistics, various editions up to 2011.

*Natural Gas Vehicles Statistics*, International Association for Natural Gas Vehicles, online database: [www.iangv.org](http://www.iangv.org).

Secretariat estimates.

*Industry of Tajikistan, Statistics*, the State Committee on Statistics of the Republic of Tajikistan, 2004.

## Tanzania, United Republic of

### Sources up to 2010:

*SAPP Annual Report 2008*, Southern African Power Pool, online statistics, 2010.

*The Economic Survey*, The President's Office - Planning and Privatization, Dar Es Salaam, 2003-2007.

*Annual Report*, Orca Exploration Group Inc., 2007 to 2010.

*EWURA Annual Report*, Energy and Water Utilities Regulatory Authority of the United Republic of Tanzania, 2009 to 2010.

Secretariat estimates.

Direct communication with the Ministry of Energy and Minerals and the electricity utility.

*Tanzanian Economic Trends*, Economic Research Bureau, University of Dar-es-Salaam, 1991.

### Sources for Biofuels and waste:

Secretariat estimates based on 1990 data from *Energy Statistics Yearbook 1990*, SADC, Luanda, 1992.

## Thailand

Data for naphtha, lubricants, bitumen and non-specified oil products are not published by the Ministry of Energy and are estimated by the Secretariat.

Data for production, own use and non energy use of natural gas may include propane, butane and ethane produced in gas separation plants. In 2012, time series

for natural gas and LPG will be reviewed by the Ministry and may be revised.

### Sources 2002 to 2010:

*Thailand Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2002 to 2010. *Electric Power in Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2002 to 2010.

*Oil and Thailand*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2002 to 2010.

*Thailand Alternative Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2009-2010.

Direct communication with the Petroleum Institute of Thailand, Bangkok, 2008 to 2010.

Secretariat estimates.

### Sources up to 2001:

*Electric Power in Thailand*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1985, 1986, 1988 to 2001.

*Oil and Thailand*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1979 to 2001.

*Thailand Energy Situation*, Ministry of Science, Technology and Energy, National Energy Administration, Bangkok, 1978 to 2001.

### Sources for Biofuels and waste:

*Thailand Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2002 to 2010.

*Thailand Alternative Energy Situation*, Ministry of Energy, Department of Alternative Energy Development and Efficiency, 2009-2010.

Secretariat estimates.

## Togo

Member of the SIE-Afrique project.

### Sources 1999 to 2010:

Direct communication with the Ministère de l'Équipement, des Mines, de l'Énergie et des Postes et Télécommunications, Lomé, 2009.

Bilans Énergétiques du Togo, 1999 to 2008.

Secretariat estimates.

**Sources up to 1999:**

Secretariat estimates.

## Trinidad and Tobago

**Sources 1992 to 2010:**

*Energy Industry Consolidated Monthly Bulletins*, Ministry of Energy and Energy Affairs, Port of Spain, various editions up to 2010.

SIEE, OLADE.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2010.

Direct communication with the Ministry of Energy and Natural Resources, Port of Spain.

*Annual Economic Survey*, Central Bank of Trinidad and Tobago, Port of Spain, 1995 to 2010.

*Petroleum Industry Monthly Bulletin*, Ministry of Energy and Natural Resources, Port of Spain, various issues up to 1999.

**Sources up to 1991:**

*Annual Statistical Digest*, Central Statistical Office, Port of Spain, 1983, 1984.

*History and Forecast*, Electricity Commission, Port of Spain, 1987.

*Annual Report*, Ministry of Energy and Natural Resources, Port of Spain, 1985, 1986.

*The National Energy Balances 1979-1983*, Ministry of Energy and Natural Resources, Port of Spain, 1984.

*Trinidad and Tobago Electricity Commission Annual Report*, Trinidad and Tobago Electricity Commission, Port of Spain, 1984, 1985.

**Sources for Biofuels and waste:**

SIEE, OLADE.

FAO

United Nations.

## Tunisia

A significant increase in crude oil production was reported for 2007 due to the start up of several new development wells and the beginning of production of the Oudna field.

**Sources 1992 to 2010:**

Direct communication with the Observatoire National de l'Energie, Agence Nationale pour la Maîtrise de l'Energie, Tunis.

*Rapport Annuel*, Société Tunisienne de l'Electricité et du Gaz, 2010 online statistics.

Société Tunisienne des Industries de Raffinage, 2010 online statistics, 2008 to 2010.

*Statistiques d'Electricité du COMELEC*, 2006, 2007, Comité Maghrébin de l'Electricité.

**Sources up to 1991:**

*Bilan Energétique de l'Année 1991*, Banque Centrale de Tunisie, Tunis, September 1992.

*Rapport d'Activité 1990*, Observatoire National de l'Energie, Agence pour la Maîtrise de l'Energie, Tunis, 1991.

*Rapport Annuel 1990*, Banque Centrale de Tunisie, Tunis, 1991.

*Activités du Secteur Pétrolier en Tunisie*, Banque Centrale de Tunisie, Tunis, 1987.

*Statistiques Financières*, Banque Centrale de Tunisie, Tunis, 1986.

*Entreprise Tunisienne d'Activités Pétrolières (ETAP)*, Tunis, 1987.

*Annuaire Statistique de la Tunisie*, Institut National de la Statistique, Ministère du Plan, Tunis, 1985, 1986.

*L'Economie de la Tunisie en Chiffres*, Institut National de la Statistique, Tunis, 1984, 1985.

*Activités et Comptes de Gestion*, Société Tunisienne de l'Electricité et du Gaz, Tunis, 1987.

**Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Analyse du Bilan de Bois d'Energie et Identification d'un Plan d'Action*, Ministry of Agriculture, Tunis, 1998.

## Turkmenistan

Data for Turkmenistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

**Sources up to 2010:**

*CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2011.

Asian Development Bank online database.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

Secretariat estimates.

Direct communication with the National Institute on Statistics and Forecasting of Turkmenistan, November 1999 and January 2001.

## Ukraine

Data for Ukraine are available starting in 1990. Prior to that, they are included in Former Soviet Union.

The State Statistics Committee submitted detailed final consumption data for coal and natural gas for the first time in 2006, for the year 2004. Therefore, breaks in time series may occur between 2003 and 2004.

IEA Secretariat and State Statistics Committee of Ukraine are working closely and intensively on the improvement of data quality. Therefore, breaks in time series may occur between 2008 and 2009.

For 2009 and 2010 the transparency of data may be reduced because of confidentiality issues.

Official Ukrainian coal statistics refer to unwashed and unscreened coal prior to 1995. IEA statistics normally refer to coal after washing and screening for the removal of inorganic matter. Therefore, the IEA revised Ukrainian coal supply and demand statistics downward to reflect levels of washed coal.

### *Sources 1992 to 2010:*

Direct communication with the State Statistics Committee of Ukraine, Kiev, 2004 to 2012.

UNECE annual energy questionnaire on Coal, 1991, 1992 and 1995 to 2010.

UNECE annual energy questionnaire on Oil, 1992 and 1995 to 2010.

UNECE annual energy questionnaire on Natural gas, 1992 and 1995 to 2010.

UNECE annual energy questionnaire on Electricity and heat, 1991, 1992 and 1994 to 2010.

Secretariat estimates.

Direct communication with the Ministry of Statistics, the Coal Ministry, the National Dispatching Company, 1995.

Coal: Direct communications with the State Mining University of Ukraine, 1995, 1996.

Natural gas: Direct communication with Ukrgazprom, February 1995.

Direct communication with the Ministry of Statistics of the Ukraine, July 1994.

*Ukraine in 1992, Statistical Handbook*, Ministry of Statistics of the Ukraine, Kiev, 1993.

*Ukraine Power Demand and Supply Options*, The World Bank, Washington, 1993.

*Power Industry in Ukraine*, Ministry of Power and Electrification, Kiev, 1994.

*Energy Issues Paper*, Ministry of Economy, March 1995.

*Ukraine Energy Sector Statistical Review 1993, 1994, 1995, 1996, 1997*, The World Bank Regional Office, Kiev, 1994, 1995, 1996, 1997, 1998.

*Global Energy Saving Strategy for Ukraine*, Commission of the European Communities, TACIS, Madrid, July 1995.

Secretariat estimates.

### *Sources 1990 to 1991:*

Secretariat estimates.

### *Sources for Biofuels and waste:*

Statistical Office in Kiev, The World Bank and Secretariat estimates.

## United Arab Emirates

Crude oil production and export data do not include field condensate. Field condensate quantities are included with natural gas liquids.

Time series were revised from 2005 to 2009 based on new data regarding natural gas use in the petrochemical industry. Breaks in the time series may occur between 2004 and 2005 for natural gas. Sources 1993 to 2010:

*Annual Statistical Bulletin*, Organization of Petroleum Exporting Countries (OPEC), Vienna, various editions up to 2011.

*Annual Statistical Report*, Organization of Arab Petroleum Exporting Countries (OAPEC), Kuwait, various editions up to 2011.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTE), Amman, various editions up to 2011.

Secretariat estimates.

*Statistical Yearbook 1995, 1996, 1998*, Department of Planning, Abu Dhabi, 1998, 2001.

Direct communications with the Ministry of Electricity and Water, Abu Dhabi, March 2001.

The UN Energy Statistics Database Sources up to 1992:

Annual Report 1998, Ministry of Electricity & Water, Dubai.

*Abu Dhabi National Oil Company, 1985 Annual Report*, Abu Dhabi National Oil Company, Abu Dhabi, 1986.

*United Arab Emirates Statistical Review 1981*, Ministry of Petroleum and Mineral Resources, Abu Dhabi, 1982.

*Annual Statistical Abstract*, Ministry of Planning, Central Statistical Department, Abu Dhabi, various editions from 1980 to 1993.

#### **Sources for Biofuels and waste:**

*Forestry Statistics*, FAO, Rome, 2001, and Secretariat estimates.

*Initial National Communication to the United Nations Framework Convention on Climate Change*, Ministry of Energy, United Arab Emirates, 2006, and Secretariat estimates.

## Uruguay

The pronounced growth of production of biofuels and waste from 2008 to 2010 was due to the development of the cellulose industry (*i.e.* black liquor).

The power produced from the Salto Grande hydroelectric plant, located on the Uruguay River between Concordia in Argentina and Salto in Uruguay is equally shared between the two countries. Exports include power produced in Salto Grande and exported to Argentina.

#### **Sources 1990 to 2010:**

Direct communication with Ministerio de Industria, Energía y Minería, Montevideo.

*Balance Energético Nacional*, Ministerio de Industria, Energía y Minería, Dirección Nacional de Energía, Montevideo, 1971 to 2010.

#### **Sources for Biofuels and waste:**

Dirección Nacional de Energía, Ministerio de Industria, Energía y Minería, Montevideo.

SIEE, OLADE.

## Uzbekistan

Data for Uzbekistan are available starting in 1990. Prior to that, they are included in Former Soviet Union.

Up to 1994, crude oil includes NGL.

#### **Sources 1990 to 2010:**

Asian Development Bank online database.

*CIS and East European Energy Databook*, Eastern Bloc Research Ltd, Tolsta Chaolais, various editions up to 2011.

Direct communication with the Interstate Statistical Committee of the Commonwealth of Independent States.

Secretariat estimates.

Direct communications to the Secretariat from the Institute of Power Engineering and Automation, Academy of Sciences of Uzbekistan 1994, 1996, 1998 to 2003.

UNECE annual energy questionnaires, 1995 to 1997.

## Venezuela

Data for crude oil production, exports and refinery input are obtained from the Organización Latinoamericana de Energía (OLADE). Crude oil production data are comparable to data reported by the Organization of the Petroleum Exporting Countries (OPEC); however, some other sources of information report lower crude oil production, noting field or lease condensate may be included in the crude oil production data reported in the above sources.

#### **Sources up to 2010:**

*Balance Energético de Venezuela*, Dirección de Planificación Energética, Ministerio de Energía y Minas, Caracas.

*Natural Gas in the World*, Cedigaz, Paris, various editions up to 2011

SIEE, OLADE.

*Estadísticas consolidadas*, Cámara Venezolana de la Industria Eléctrica, 1996 to 2007.

*Oficina de operación de sistemas interconectados Venezuela*, 2008.

*Petróleo y Otros Datos Estadísticos*, Dirección General Sectorial de Hidrocarburos, Caracas, 1993 to 2004, 2007 to 2008.

*Estadísticas consolidadas*, Cámara Venezolana de la Industria Eléctrica, 2006.

*Transformando la energía en desarrollo social*, CVG EDELCA Informe Anual 2006.

*Petróleo y Otros Datos Estadísticos*, Dirección General Sectorial de Hidrocarburos, Dirección de Planificación y Economía de Hidrocarburos, Caracas, 1983 to 1991.

*Balance Energético Consolidado de Venezuela 1970-1984*, Ministerio de Energía y Minas, Dirección General Sectorial de Energía, División de Programación Energetica, Caracas, 1986.

*Compendio Estadístico del Sector Eléctrico*, Ministerio de Energía y Minas, Dirección de Electricidad, Carbón y Otras Energías, Caracas, 1984, 1989, 1990, 1991.

*Memoria y Cuenta*, Ministerio de Energía y Minas, Caracas, 1991.

*Petróleos de Venezuela S.A. 1985 Annual Report*, Petróleos de Venezuela, Caracas, 1991.

#### **Sources for Biofuels and waste:**

*The UN Energy Statistics Database.*

## Vietnam

#### **Sources 1992 to 2010:**

Direct communications with the Institute of Energy and the Ministry of Industry and Trade, Hanoi.

APEC annual energy statistics questionnaires.

Secretariat estimates.

*Annual Report 2006*, Petrovietnam, Vietnam national Oil and Gas Group.

Direct communications with the Center for Energy-Environment Research and Development, Pathumthani, 1997 to 1999.

Direct communication with the oil industry.

*Sectoral Energy Demand in Vietnam*, UNDP Economic and Social Commission for Asia and the Pacific, Bangkok, 1992.

*Energy Commodity Account of Vietnam 1992*, Asian Development Bank, Manila, 1994.

*World Economic Problems (20)*, National Centre for Social Sciences of the S.R. Vietnam, Institute of World Economy, Hanoi, 1993.

*Vietnam Energy Review*, Institute of Energy, Hanoi, 1995, 1997, 1998.

#### **Sources for Biofuels and waste:**

Secretariat estimates based on 1992 data from *Vietnam Rural and Household Energy Issues and Options: Report No. 161/94*, The World Bank, ESMAP, Washington, D.C., 1994.

## Yemen

#### **Sources 1992 to 2010:**

Petroleum Exploration and Production Authority online statistics, 2012.

Yemen Petroleum Company, online statistics, 2010.

*Statistical Yearbook*, Central Statistical Organization, Sana'a, 1994 to 1999, 2004, 2006 to 2010.

*Statistical Bulletin*, Arab Union of Producers, Transporters and Distributors of Electricity (AUPTDE), Amman, various editions up to 2010.

*Oil & Gas in Figures 2001 – 2007*, Ministry of Oil & Minerals, Statistics Technical Committee, Yemen, 2008.

*Oil, Gas and Minerals Statistics, Annual Bulletin 2001, 2002, 2003, 2004, 2005 and 2006*, Ministry of Oil & Minerals, Statistics Technical Committee, Yemen, 2001 to 2007.

Secretariat estimates.

Direct communications to the Secretariat from the Yemen General Oil and Gas Corporation, the Public Electricity Corporation, and the National Information Center, Sana'a, 2001.

*Statistical Indicators in the Electricity Sector*, Ministry of Planning and Development, Central Statistical Organization, Yemen, 1993.

#### **Sources up to 1991:**

*Statistical Yearbook*, Government of Yemen Arab Republic, Yemen, 1988.

#### **Sources for Biofuels and waste:**

*The UN Energy Statistics Database.*

Forestry Statistics, FAO, Rome, 2000, and Secretariat estimates.



## Former Yugoslavia

Data for individual countries of the Former Yugoslavia are available starting in 1990, and most of the information on 1990 and 1991 was estimated by the IEA Secretariat. Because of large breaks in reporting which occurred in the early 1990's, breaks may occur in 1990 for all regional totals.

### **Sources up to 1989:**

*Statisticki Godisnjak Jugoslavije*, Socijalisticka Federativna Reublika Jugoslavija, Savezni Zavod Za Statistiku, Beograd, 1985 to 1991.

*Indeks*, Socijalisticka Federativna Reublika Jugoslavija, Beograd, 1990, 1991, 1992.

## Zambia

Breaks in times series may occur between 2000 and 2001.

### **Sources 1971 to 2010:**

Secretariat estimates.

*Energy Sector Report 2008, 2010*, Energy Regulation Board, Lusaka.

*Economic Report 2003*, Ministry of Finance, Lusaka.

*Energy Statistics Bulletin 1980-1999*, The Department of Energy, Lusaka, 2000.

AFREPEN, 2002.

*Annual Statistical Yearbook 1993, 1994, 1995 (Consumption in Zambia 1978-1983)*, Eskom, Lusaka, 1984.

### **Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Zimbabwe

### **Sources 2006 to 2010:**

Southern African Power Pool, online Annual Report.

Secretariat estimates.

### **Sources 1996 to 2005:**

Direct communication with the Ministry of Energy and Power Development, 2007.

Direct communication with the Zimbabwe Electricity Supply Authority (ZESA), 2003, 2005, 2006.

*African Economic Outlook 2004*, OECD, Paris, 2004.

Direct communication to the Secretariat from the Department of Energy Resources and Development, February 2002, AFREPEN, 2002.

Direct communication to the Secretariat from the Ministry of Environment and Tourism, Harare, 1999, 2000.

Direct communication to the Secretariat from the electricity utility.

*Electricity Statistics Information*, Central Statistical Office, Causeway, February 1998.

Secretariat estimates.

### **Sources 1992 to 1995:**

*Eskom Annual Statistical Yearbook 1993, 1994, 1995*, Johannesburg, 1994, 1995, 1996, citing Zimbabwe Electricity Supply Authority, Harare as source.

*The UN Energy Statistics Database*.

### **Sources up to 1991:**

*Zimbabwe Statistical Yearbook 1986*, Central Statistical Office, Harare, 1990.

*Quarterly Digest of Statistics*, Central Statistical Office, Harare, 1990.

*Zimbabwe Electricity Supply Authority Annual Report*, Zimbabwe Electricity Supply Authority, Harare, 1986 to 1991.

### **Sources for Biofuels and waste:**

Secretariat estimates based on 1991 data from *Forests and Biomass Sub-sector in Africa*, African Energy Programme of the African Development Bank, Abidjan, 1996.

## Other Africa, Other Non-OECD Americas and Other Asia

The series for these regions are obtained by adding data corresponding to their individual countries (see lists in Part I.5, Geographical coverage). As a consequence, intra-regional trade is included as part of total trade. Therefore, trade is likely to be overstated.



# **PART II**

## **STATISTICAL DATA**



# **COUNTRY-SPECIFIC NET CALORIFIC VALUES**

## **2010**

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Albania	Algeria	Angola	Argentina	Armenia	Azerbaijan	Bahrain	Bangladesh	Belarus	Benin
<b>Crude oil</b>										
Production	41868	43292	42747	41868	-	42077	42705	-	42077	-
Imports	-	42370	-	-	-	-	42705	42161	42077	-
Exports	41868	43292	42747	41868	-	42077	-	-	-	-
Average	41868	43292	42747	41868	-	42077	42705	42161	42077	-
<b>NGL</b>	-	46725	41868	42496	-	41910	42705	42705	-	-
<b>Refinery feedstocks</b>	-	-	-	44799	-	44799	-	-	-	-
<b>Additives</b>	-	-	-	41868	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	26800	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	36800	-	-	-	-	36800	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	30145	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	30145	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	24702	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	-	24702	-	-	-	20926	-	-
Imports	-	-	-	30145	-	-	-	20926	23249	-
Exports	-	-	-	24702	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	24702	-	-	-	20926	23249	-
Industry	-	-	-	30145	-	-	-	20926	23249	-
Other uses	-	-	-	24702	-	-	-	20926	23249	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	9843	-	-	-	-	-	-	-	-	-
Imports	9843	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	9843	-	-	-	-	-	-	-	-	-
Other uses	9843	-	-	-	-	-	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	28200	-	28458	-	-	-	-	29015	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	15240	-
<b>Peat</b>	-	-	-	-	-	-	-	-	10172	-
<b>Charcoal</b>	-	-	30800	27214	-	-	-	-	30800	29308

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Bolivia	Bosnia and Herz.	Bots- wana	Brazil	Brunei Daruss.	Bulgaria	Cam- bodia	Came- roon	PR of China	Chinese Taipei
<b>Crude oil</b>										
Production	43333	-	-	42634	42747	40721	-	42454	41868	42370
Imports	-	42747	-	42634	-	42538	-	42454	41868	42370
Exports	-	-	-	42634	42747	-	-	42454	41868	-
Average	43333	42747	-	42634	42747	42538	-	42454	41868	42370
<b>NGL</b>	43333	-	-	45217	42747	-	-	-	42705	-
<b>Refinery feedstocks</b>	-	42496	-	44506	-	44799	-	-	-	-
<b>Additives</b>	-	-	-	-	41868	25121	-	-	-	41868
<b>Other hydrocarbons</b>	-	-	-	-	-	41868	-	-	-	-
<b>Biogasoline</b>	-	-	-	28261	-	-	-	-	26800	-
<b>Biodiesels</b>	-	-	-	42267	-	36800	-	-	36800	-
<b>Other liquid biofuels</b>	-	-	-	26377	-	36800	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	25185	-	-	27452	27424
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	23395	-	-	-	-
Industry	-	-	-	-	-	27400	-	-	27452	26377
Other uses	-	-	-	-	-	27304	-	-	27452	26796
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	24149	-
Imports	-	30685	-	30982	-	-	-	-	-	27424
Exports	-	30132	-	-	-	-	-	-	-	-
Coke ovens	-	30308	-	30982	-	-	-	-	26745	28889
Main activity elec. generation	-	-	-	-	-	-	-	-	24149	-
Industry	-	26544	-	-	-	-	-	-	24149	-
Other uses	-	25946	-	30982	-	-	-	-	24149	26796
<b>Other bituminous coal</b>										
Production	-	-	25800	23865	-	17373	-	-	21213	-
Imports	-	-	25800	23865	-	25964	-	-	21213	27424
Exports	-	-	-	-	-	22065	-	-	21213	-
Coke ovens	-	-	-	-	-	-	-	-	21213	28889
Main activity elec. generation	-	-	25800	23865	-	25572	-	-	21213	26796
Industry	-	-	25800	23865	-	27337	-	-	21213	26377
Other uses	-	-	25800	23865	-	21179	-	-	21213	26796
<b>Sub-bituminous coal</b>										
Production	-	17999	-	18073	-	-	-	-	-	-
Imports	-	17999	-	18073	-	-	19887	-	-	18900
Exports	-	17999	-	-	-	-	-	-	-	-
Main activity elec. generation	-	17999	-	18073	-	-	19887	-	-	18900
Industry	-	17999	-	18073	-	-	-	-	-	18900
Other uses	-	17999	-	18073	-	-	18900	-	-	18900
<b>Lignite</b>										
Production	-	8893	-	12853	-	7008	-	-	-	-
Imports	-	8893	-	-	-	-	-	-	-	-
Exports	-	8893	-	-	-	12875	-	-	-	-
Main activity elec. generation	-	8893	-	12853	-	6898	-	-	-	-
Industry	-	8893	-	12853	-	15539	-	-	-	-
Other uses	-	8893	-	12853	-	7441	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	17752	-
<b>Coke oven coke</b>	-	26900	-	28889	-	28500	-	-	26796	28200
<b>Coal tar</b>	-	-	-	35797	-	-	-	-	33494	-
<b>BKB</b>	-	-	-	-	-	18220	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	30354	-	-	27047	-	30800	28889	16957	-	-

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Colombia	Congo	Dem.Rep Congo	Costa Rica	Côte d'Ivoire	Croatia	Cuba	Cyprus	Dominican R.	Ecuador
<b>Crude oil</b>										
Production	42245	42915	42161	-	42622	42600	42559	-	-	41868
Imports	-	-	-	42161	42622	42600	42559	-	42161	-
Exports	42245	42915	42161	-	42622	-	-	-	-	41868
Average	42245	42915	42161	42161	42622	42600	42559	-	42161	41868
<b>NGL</b>	41868	45217	-	-	-	46614	41701	-	-	42454
<b>Refinery feedstocks</b>	-	-	-	-	42622	42600	-	-	-	-
<b>Additives</b>	-	-	-	-	-	42600	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	26800	-	-	-	-	-	25101	-	-	-
<b>Biodiesels</b>	36800	-	-	-	-	36800	-	36800	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	36800	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	27619	26700	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	27619	26700	-	-	-
Other uses	-	-	-	-	-	24501	26700	-	-	-
<b>Coking coal</b>										
Production	27214	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	27214	-	-	-	-	-	-	-	-	-
Coke ovens	27214	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	27214	-	-	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	27214	-	25228	-	-	-	-	-	-	-
Imports	-	-	25228	25800	-	24240	-	26820	25800	-
Exports	27214	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	27214	-	-	-	-	24130	-	-	25800	-
Industry	27214	-	25228	25800	-	24760	-	28780	-	-
Other uses	27214	-	25228	25800	-	24600	-	25800	25800	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	19510	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	19510	-	-	-	-
Other uses	-	-	-	-	-	16751	-	-	-	-
<b>Lignite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	16610	-	5179	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	16610	-	-	-	-
Other uses	-	-	-	-	-	16610	-	5179	-	-
<b>Patent fuel</b>	-	-	29000	-	-	-	-	-	-	-
<b>Coke oven coke</b>	20097	-	28200	28200	-	29310	28200	-	28200	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	30800	30800	30800	30800	30800	30800	30229	30800	30800	-



## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Egypt	El Salvador	Eritrea	Ethiopia	Gabon	Georgia	Ghana	Gibraltar	Guatemala	Haiti
<b>Crude oil</b>										
Production	42538	-	-	-	42622	42077	42622	-	42454	-
Imports	42538	42161	-	-	-	42077	42622	-	-	-
Exports	42538	-	-	-	42622	42077	-	-	42454	-
Average	42538	42161	-	-	42622	42077	42622	-	42454	-
<b>NGL</b>	42538	-	-	-	-	-	-	-	-	-
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	28200	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	28200	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	28200	-	-	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	25000	-	-	25800	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	25800	-
Industry	-	-	-	-	-	25000	-	-	-	-
Other uses	-	-	-	-	-	25000	-	-	25800	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	17600	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	17600	-	-	-	-
Other uses	-	-	-	-	-	17600	-	-	-	-
<b>Lignite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	28200	-	-	-	-	-	-	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	30800	30800	30800	-	-	30800	-	30800	30800

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Honduras	Hong Kong	India	Indonesia	Islamic Rep. Iran	Iraq	Jamaica	Jordan	Kazakhstan	Kenya
<b>Crude oil</b>										
Production	-	-	42789	42663	42663	42831	-	42705	42867	-
Imports	-	-	42789	42663	42663	-	42161	42705	42620	42077
Exports	-	-	-	42663	42663	42831	-	-	42913	-
Average	-	-	42789	42663	42663	42831	42161	42705	42663	42077
<b>NGL</b>	-	-	42998	42768	42538	42831	-	-	41910	-
<b>Refinery feedstocks</b>	-	-	-	44799	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	26800	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	36800	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	24283	28200	28200	-	-	-	18581	-
Imports	-	-	27089	28200	28200	-	28200	-	-	-
Exports	-	-	28200	28200	28200	-	-	-	18581	-
Coke ovens	-	-	26000	-	28200	-	-	-	18581	-
Main activity elec. generation	-	-	28200	-	-	-	-	-	-	-
Industry	-	-	28200	28200	-	-	28200	-	18581	-
Other uses	-	-	24283	28200	28200	-	28200	-	18581	-
<b>Other bituminous coal</b>										
Production	-	-	18464	25800	25800	-	-	-	18581	-
Imports	25800	25800	25800	-	-	-	-	-	18581	25800
Exports	-	-	18464	25800	25800	-	-	-	18581	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	25800	18631	-	-	-	-	-	18581	-
Industry	25800	25800	18631	25800	25800	-	-	-	18581	25800
Other uses	25800	25800	18631	25800	25800	-	-	-	18581	25800
<b>Sub-bituminous coal</b>										
Production	-	-	-	22000	-	-	-	-	-	-
Imports	-	-	18900	-	-	-	-	-	-	-
Exports	-	-	-	22000	-	-	-	-	-	-
Main activity elec. generation	-	-	9797	22000	-	-	-	-	-	-
Industry	-	-	-	22000	-	-	-	-	-	-
Other uses	-	-	9797	22000	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	-	9546	-	-	-	-	-	14654	-
Imports	-	-	-	-	-	-	-	-	14654	-
Exports	-	-	-	-	-	-	-	-	14654	-
Main activity elec. generation	-	-	9546	-	-	-	-	-	14654	-
Industry	-	-	9546	-	-	-	-	-	14654	-
Other uses	-	-	9546	-	-	-	-	-	14654	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	28200	-	28200	-	28200	-	-	-	25121	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	20000	20000	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	30800	-	30800	30800	30800	30800	30800	-	30800

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	DPR of Korea	Kosovo	Kuwait	Kyrgyz- stan	Latvia	Lebanon	Libya	Lithuania	FYR of Maced.	Malaysia
<b>Crude oil</b>										
Production	-	-	42538	42077	-	-	42998	42780	-	43300
Imports	42161	-	-	-	-	-	-	42780	42900	42613
Exports	-	-	42538	-	-	-	42998	42780	-	43333
Average	42161	-	42538	42077	-	-	42998	42780	42900	43333
<b>NGL</b>	-	-	42622	-	-	-	42998	-	-	44413
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	44799	40500	42538
<b>Additives</b>	-	-	-	-	-	-	-	25121	-	-
<b>Other hydrocarbons</b>	-	-	-	-	39350	-	-	-	-	42119
<b>Biogasoline</b>	-	-	-	-	26800	-	-	26800	-	-
<b>Biodiesels</b>	-	-	-	-	36800	-	-	36800	36800	36800
<b>Other liquid biofuels</b>	-	-	-	-	36800	-	-	-	-	-
<b>Anthracite</b>										
Production	26700	-	-	-	-	-	-	-	-	-
Imports	-	25089	-	-	-	-	-	25120	26051	-
Exports	26700	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	24934	-	-	-	-	-	-	26051	-
Other uses	26700	25259	-	-	-	-	-	25120	25052	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	25120	-	-
Exports	-	-	-	-	-	-	-	25120	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	25120	-	-
Industry	-	-	-	-	-	-	-	25120	-	-
Other uses	-	-	-	-	-	-	-	25120	-	-
<b>Other bituminous coal</b>										
Production	25800	-	-	18581	-	-	-	-	-	26394
Imports	-	-	-	18581	26220	27675	-	25120	26051	26394
Exports	-	-	-	-	26220	-	-	25120	-	26394
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	25800	-	-	18581	26220	-	-	25120	-	26394
Industry	25800	-	-	18581	26220	27675	-	25120	26051	26394
Other uses	25800	-	-	18581	26220	27675	-	25120	27891	26394
<b>Sub-bituminous coal</b>										
Production	17585	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	22082	-
Exports	-	-	-	-	-	-	-	-	16902	-
Main activity elec. generation	17585	-	-	-	-	-	-	-	-	-
Industry	17585	-	-	-	-	-	-	-	22081	-
Other uses	17585	-	-	-	-	-	-	-	18209	-
<b>Lignite</b>										
Production	-	11095	-	14654	-	-	-	-	7436	-
Imports	-	11095	-	14654	-	-	-	14650	8126	-
Exports	-	11095	-	-	-	-	-	-	10307	-
Main activity elec. generation	-	11095	-	-	-	-	-	-	7365	-
Industry	-	11095	-	14654	-	-	-	-	10627	-
Other uses	-	11095	-	14654	-	-	-	14650	10627	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	28200	-	-	-	26790	-	-	29300	25077	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	15000	-	-
<b>Peat</b>	-	9760	-	-	10050	-	-	11720	11459	-
<b>Charcoal</b>	-	-	-	-	30800	30800	-	30800	-	28889

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Malta	Rep. of Moldova	Mongolia	Monteneg- ro	Morocco	Mozam- bique	Myanmar	Namibia	Nepal	Neth. Antilles
<b>Crude oil</b>										
Production	-	42077	42161	-	38937	-	42245	-	-	-
Imports	-	-	-	-	42460	-	-	-	-	42161
Exports	-	-	42161	-	-	-	-	-	-	-
Average	-	42077	42161	-	42460	-	42245	-	-	42161
<b>NGL</b>	-	-	-	-	-	42705	42705	-	-	-
<b>Refinery feedstocks</b>	-	44799	-	-	44799	-	-	-	-	44799
<b>Additives</b>	-	-	-	-	41868	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	18581	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	18581	-	-	-	-	-	-	-	-
Other uses	-	18581	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	28200	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	28200	-	-	-	-	-	-	-
Coke ovens	-	-	28200	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	28200	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	28596	-	-	24995	25800	-	25121	-
Imports	-	18581	-	-	27633	-	-	22692	25121	-
Exports	-	-	28596	-	-	24995	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	27633	-	25800	22692	-	-
Industry	-	18581	-	-	27633	24995	25800	-	25121	-
Other uses	-	18581	28596	-	27633	24995	25800	22692	25121	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	-	14403	9210	-	-	11900	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	14403	9210	-	-	-	-	-	-
Main activity elec. generation	-	-	14403	9210	-	-	-	-	-	-
Industry	-	-	14403	9210	-	-	-	-	-	-
Other uses	-	-	14403	9210	-	-	11900	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	25121	28200	-	-	-	-	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	-	30800	-	-	30019	30800	-	29730	-

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Nica- ragua	Nigeria	Oman	Pakistan	Panama	Paraguay	Peru	Philippi- nes	Qatar	Romania
<b>Crude oil</b>										
Production	-	42747	42705	41990	-	-	42747	41471	42873	40639
Imports	40863	-	-	43415	-	-	42161	41471	-	41857
Exports	-	42747	42705	-	-	-	42747	41471	42873	40645
Average	40863	42747	42705	42965	-	-	42747	41471	42873	41430
<b>NGL</b>	-	42747	42705	42873	-	-	42747	41868	42998	49458
<b>Refinery feedstocks</b>	-	44799	-	-	-	-	44799	-	-	44799
<b>Additives</b>	-	-	-	25121	-	-	-	-	-	36792
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	41868	38854
<b>Biogasoline</b>	-	-	-	-	-	26800	26800	29655	-	26800
<b>Biodiesels</b>	-	-	-	-	-	-	36800	39423	-	36800
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	36800
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	25533
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	25533
Other uses	-	-	-	-	-	-	-	-	-	25533
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	27545	-	-	-	-	-	27500
Exports	-	-	-	-	-	-	-	-	-	27500
Coke ovens	-	-	-	27545	-	-	-	-	-	27500
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	27500
Other uses	-	-	-	18732	-	-	-	-	-	27500
<b>Other bituminous coal</b>										
Production	-	25800	-	18810	-	-	29308	-	-	-
Imports	-	-	-	27645	-	-	29308	25121	-	-
Exports	-	-	-	-	-	-	29308	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	23655	-	-	29308	24325	-	-
Industry	-	25800	-	23655	-	-	29308	-	-	-
Other uses	-	25800	-	23655	-	-	29308	24325	-	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	22098	-	21779
Imports	-	-	-	-	-	-	-	22098	-	24603
Exports	-	-	-	-	-	-	-	22098	-	24603
Main activity elec. generation	-	-	-	-	-	-	-	22098	-	24585
Industry	-	-	-	-	-	-	-	22098	-	24585
Other uses	-	-	-	-	-	-	-	22098	-	24585
<b>Lignite</b>										
Production	-	-	-	11900	-	-	-	-	-	7938
Imports	-	-	-	-	-	-	-	-	-	9234
Exports	-	-	-	-	-	-	-	-	-	9234
Main activity elec. generation	-	-	-	-	-	-	-	-	-	7902
Industry	-	-	-	11900	-	-	-	-	-	7716
Other uses	-	-	-	11900	-	-	-	-	-	7716
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	-	-	28200	28200	-	28200	28200	-	26370
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	8790
<b>Charcoal</b>	30800	30800	-	30800	30800	28889	27214	25104	-	-

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Russian Fed.	Saudi Arabia	Senegal	Serbia	Singapore	South Africa	Sri Lanka	Sudan	Syrian Arab R.	Tajikistan
<b>Crude oil</b>										
Production	42077	42538	-	44194	-	-	-	42622	42035	42077
Imports	-	-	42622	44194	42705	40520	43124	-	-	-
Exports	42077	42538	-	-	-	-	-	42622	42035	42077
Average	42077	42538	42622	44194	42705	40520	43124	42622	42035	42077
<b>NGL</b>	41910	44924	-	46000	-	42743	-	-	42035	-
<b>Refinery feedstocks</b>	-	-	-	42496	44799	-	-	-	-	-
<b>Additives</b>	-	-	-	41868	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	40520	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	29000	-	-	-	-	-	-	-	-	-
Imports	29000	-	-	25089	-	-	-	-	-	-
Exports	29000	-	-	24583	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	24934	-	-	-	-	-	-
Other uses	29000	-	-	25259	-	-	-	-	-	-
<b>Coking coal</b>										
Production	28500	-	-	-	-	30995	-	-	-	-
Imports	28500	-	-	-	-	30995	-	-	-	18581
Exports	28500	-	-	-	-	30995	-	-	-	-
Coke ovens	28500	-	-	-	-	30995	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	28500	-	-	-	-	30995	-	-	-	18581
<b>Other bituminous coal</b>										
Production	24901	-	-	-	-	23597	-	-	-	18581
Imports	25000	-	25916	22799	-	-	29308	-	-	18581
Exports	26107	-	-	22959	-	27993	-	-	-	-
Coke ovens	24009	-	-	-	-	-	-	-	-	-
Main activity elec. generation	22831	-	-	-	-	20097	-	-	-	-
Industry	24009	-	25916	22778	-	26996	29308	-	-	-
Other uses	24009	-	25916	22880	-	26996	25800	-	-	18581
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	14654
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	14654
<b>Lignite</b>										
Production	14918	-	-	7970	-	-	-	-	-	-
Imports	14918	-	-	16969	-	-	-	-	-	-
Exports	14918	-	-	8097	-	-	-	-	-	-
Main activity elec. generation	14250	-	-	7569	-	-	-	-	-	-
Industry	14918	-	-	18548	-	-	-	-	-	-
Other uses	14918	-	-	12798	-	-	-	-	-	-
<b>Patent fuel</b>	29000	-	-	30157	-	-	-	-	-	-
<b>Coke oven coke</b>	29015	-	-	28432	28200	26498	-	-	28200	25121
<b>Coal tar</b>	38000	-	-	-	-	-	-	-	-	-
<b>BKB</b>	17585	-	-	17580	-	-	-	-	-	-
<b>Peat</b>	9965	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	30800	28889	-	-	30800	30800	30145	30800	-

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	United R. Tanzania	Thailand	Togo	Trinidad and Tob.	Tunisia	Turkmeni- stan	Ukraine	United A. Emirates	Uruguay	Uzbeki- stan
<b>Crude oil</b>										
Production	-	42226	-	42245	43124	42077	42077	42622	-	42077
Imports	-	42226	-	42245	43124	-	42077	-	42223	-
Exports	-	42226	-	42245	43124	42077	-	42622	-	-
Average	-	42226	-	42245	43124	42077	42077	42622	42223	42077
<b>NGL</b>	-	46850	-	41868	43124	41910	41910	42622	-	41910
<b>Refinery feedstocks</b>	-	44799	-	-	-	-	44799	-	-	-
<b>Additives</b>	-	-	-	-	-	-	41868	-	-	25121
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	41868
<b>Biogasoline</b>	-	26800	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	36800	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	21160	-	-	-
Imports	-	26377	-	-	-	-	25539	-	-	-
Exports	-	26377	-	-	-	-	21587	-	-	-
Main activity elec. generation	-	-	-	-	-	-	21160	-	-	-
Industry	-	26377	-	-	-	-	21160	-	-	-
Other uses	-	26377	-	-	-	-	21600	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	28604	-	-	-
Imports	-	-	-	-	-	-	25539	-	-	-
Exports	-	-	-	-	-	-	21587	-	-	-
Coke ovens	-	-	-	-	-	-	28604	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	28604	-	-	-
<b>Other bituminous coal</b>										
Production	25800	-	-	-	-	-	21160	-	-	18581
Imports	-	26377	-	-	-	-	25539	25800	25800	-
Exports	-	26377	-	-	-	-	21587	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	26377	-	-	-	-	21160	-	-	-
Industry	25800	26377	-	-	-	-	21160	25800	25800	18581
Other uses	25800	26377	-	-	-	-	21160	25800	25800	18581
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	12142	-	-	-	-	7737	-	-	14654
Imports	-	-	-	-	-	-	14654	-	-	14654
Exports	-	-	-	-	-	-	14654	-	-	14654
Main activity elec. generation	-	10802	-	-	-	-	-	-	-	14654
Industry	-	18250	-	-	-	-	7737	-	-	14654
Other uses	-	12142	-	-	-	-	7737	-	-	14654
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	28200	-	-	-	-	25121	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	38000	-	-	-
<b>BKB</b>	-	-	-	-	-	-	20000	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	30800	30800	30800	30800	30800	-	30800	30800	31401	-

## Country-specific net calorific values (kilojoule per kilogramme)

2010

	Venezuela	Vietnam	Yemen	Zambia	Zimbabwe	Other Africa	Other Non-OECD Am.	Other Asia
<b>Crude oil</b>								
Production	44736	42622	42998	-	-	42161	42161	42161
Imports	-	-	-	42702	-	-	42161	42161
Exports	44736	42622	42998	-	-	42161	42161	42161
Average	44736	42622	42998	42702	-	42161	42161	42161
<b>NGL</b>	41994	42705	42538	-	-	42705	-	42705
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	23000	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-
<b>Anthracite</b>								
Production	-	23446	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	23446	-	-	-	-	-	-
Main activity elec. generation	-	23446	-	-	-	-	-	-
Industry	-	23446	-	-	-	-	-	-
Other uses	-	23446	-	-	-	-	-	-
<b>Coking coal</b>								
Production	-	-	-	-	26996	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	26996	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	26996	-	-	-
Other uses	-	-	-	-	26996	-	-	-
<b>Other bituminous coal</b>								
Production	30564	-	-	24706	26996	25800	-	25800
Imports	-	23446	-	-	26996	25800	-	25800
Exports	30564	-	-	-	-	25800	-	25800
Coke ovens	-	-	-	-	-	-	-	-
Main activity elec. generation	-	23446	-	-	26996	25800	-	25800
Industry	30564	23446	-	24706	26996	25800	-	25800
Other uses	30564	23446	-	24706	26996	25800	-	25800
<b>Sub-bituminous coal</b>								
Production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-
<b>Lignite</b>								
Production	-	-	-	-	-	-	-	14403
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	14403
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	14403
Other uses	-	-	-	-	-	-	-	14403
<b>Patent fuel</b>	-	-	-	-	-	-	29000	-
<b>Coke oven coke</b>	-	28200	-	-	25121	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-
<b>Peat</b>	-	9760	-	-	-	9760	-	-
<b>Charcoal</b>	30800	30800	30800	32594	-	30800	30800	30800



## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Albania	Algeria	Angola	Argentina	Armenia	Azerbaijan	Bahrain	Bangladesh	Belarus	Benin
<b>Crude oil</b>										
Production	1.0000	1.0340	1.0210	1.0000	-	1.0050	1.0200	-	1.0050	-
Imports	-	1.0120	-	-	-	-	1.0200	1.0070	1.0050	-
Exports	1.0000	1.0340	1.0210	1.0000	-	1.0050	-	-	-	-
Average	1.0000	1.0340	1.0210	1.0000	-	1.0050	1.0200	1.0070	1.0050	-
<b>NGL</b>	-	1.1160	1.0000	1.0150	-	1.0010	1.0200	1.0200	-	-
<b>Refinery feedstocks</b>	-	-	-	1.0700	-	1.0700	-	-	-	-
<b>Additives</b>	-	-	-	1.0000	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	0.6401	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	0.8790	-	-	-	-	0.8790	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	0.7200	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	0.7200	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	0.5900	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	-	0.5900	-	-	-	0.4998	-	-
Imports	-	-	-	0.7200	-	-	-	0.4998	0.5553	-
Exports	-	-	-	0.5900	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	0.5900	-	-	-	0.4998	0.5553	-
Industry	-	-	-	0.7200	-	-	-	0.4998	0.5553	-
Other uses	-	-	-	0.5900	-	-	-	0.4998	0.5553	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	0.2351	-	-	-	-	-	-	-	-	-
Imports	0.2351	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	0.2351	-	-	-	-	-	-	-	-	-
Other uses	0.2351	-	-	-	-	-	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	0.6735	-	0.6797	-	-	-	-	0.6930	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	0.3640	-
<b>Peat</b>	-	-	-	-	-	-	-	-	0.2430	-
<b>Charcoal</b>	-	-	0.7356	0.6500	-	-	-	-	0.7356	0.7000

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Bolivia	Bosnia and Herz.	Bots- wana	Brazil	Brunei Daruss.	Bulgaria	Cam- bodia	Came- roon	PR of China	Chinese Taipei
<b>Crude oil</b>										
Production	1.0350	-	-	1.0183	1.0210	0.9726	-	1.0140	1.0000	1.0120
Imports	-	1.0210	-	1.0183	-	1.0160	-	1.0140	1.0000	1.0120
Exports	-	-	-	1.0183	1.0210	-	-	1.0140	1.0000	-
Average	1.0350	1.0210	-	1.0183	1.0210	1.0160	-	1.0140	1.0000	1.0120
<b>NGL</b>	1.0350	-	-	1.0800	1.0210	-	-	-	1.0200	-
<b>Refinery feedstocks</b>	-	1.0150	-	1.0630	-	1.0700	-	-	-	-
<b>Additives</b>	-	-	-	-	1.0000	0.6000	-	-	-	1.0000
<b>Other hydrocarbons</b>	-	-	-	-	-	1.0000	-	-	-	-
<b>Biogasoline</b>	-	-	-	0.6750	-	-	-	-	0.6401	-
<b>Biodiesels</b>	-	-	-	1.0095	-	0.8790	-	-	0.8790	-
<b>Other liquid biofuels</b>	-	-	-	0.6300	-	0.8790	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	0.6015	-	-	0.6557	0.6550
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	0.5588	-	-	-	-
Industry	-	-	-	-	-	0.6544	-	-	0.6557	0.6300
Other uses	-	-	-	-	-	0.6521	-	-	0.6557	0.6400
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	0.5768	-
Imports	-	0.7329	-	0.7400	-	-	-	-	-	0.6550
Exports	-	0.7197	-	-	-	-	-	-	-	-
Coke ovens	-	0.7239	-	0.7400	-	-	-	-	0.6388	0.6900
Main activity elec. generation	-	-	-	-	-	-	-	-	0.5768	-
Industry	-	0.6340	-	-	-	-	-	-	0.5768	-
Other uses	-	0.6197	-	0.7400	-	-	-	-	0.5768	0.6400
<b>Other bituminous coal</b>										
Production	-	-	0.6162	0.5700	-	0.4149	-	-	0.5067	-
Imports	-	-	0.6162	0.5700	-	0.6201	-	-	0.5067	0.6550
Exports	-	-	-	-	-	0.5270	-	-	0.5067	-
Coke ovens	-	-	-	-	-	-	-	-	0.5067	0.6900
Main activity elec. generation	-	-	0.6162	0.5700	-	0.6108	-	-	0.5067	0.6400
Industry	-	-	0.6162	0.5700	-	0.6529	-	-	0.5067	0.6300
Other uses	-	-	0.6162	0.5700	-	0.5059	-	-	0.5067	0.6400
<b>Sub-bituminous coal</b>										
Production	-	0.4299	-	0.4317	-	-	-	-	-	-
Imports	-	0.4299	-	0.4317	-	-	0.4750	-	-	0.4514
Exports	-	0.4299	-	-	-	-	-	-	-	-
Main activity elec. generation	-	0.4299	-	0.4317	-	-	0.4750	-	-	0.4514
Industry	-	0.4299	-	0.4317	-	-	-	-	-	0.4514
Other uses	-	0.4299	-	0.4317	-	-	0.4514	-	-	0.4514
<b>Lignite</b>										
Production	-	0.2124	-	0.3070	-	0.1674	-	-	-	-
Imports	-	0.2124	-	-	-	-	-	-	-	-
Exports	-	0.2124	-	-	-	0.3075	-	-	-	-
Main activity elec. generation	-	0.2124	-	0.3070	-	0.1648	-	-	-	-
Industry	-	0.2124	-	0.3070	-	0.3711	-	-	-	-
Other uses	-	0.2124	-	0.3070	-	0.1777	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	0.4240	-
<b>Coke oven coke</b>	-	0.6425	-	0.6900	-	0.6807	-	-	0.6400	0.6735
<b>Coal tar</b>	-	-	-	0.8550	-	-	-	-	0.8000	-
<b>BKB</b>	-	-	-	-	-	0.4352	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	0.7250	-	-	0.6460	-	0.7356	0.6900	0.4050	-	-

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Colombia	Congo	Dem.Rep Congo	Costa Rica	Côte d'Ivoire	Croatia	Cuba	Cyprus	Dominican R.	Ecuador
<b>Crude oil</b>										
Production	1.0090	1.0250	1.0070	-	1.0180	1.0175	1.0165	-	-	1.0000
Imports	-	-	-	1.0070	1.0180	1.0175	1.0165	-	1.0070	-
Exports	1.0090	1.0250	1.0070	-	1.0180	-	-	-	-	1.0000
Average	1.0090	1.0250	1.0070	1.0070	1.0180	1.0175	1.0165	-	1.0070	1.0000
<b>NGL</b>	1.0000	1.0800	-	-	-	1.1134	0.9960	-	-	1.0140
<b>Refinery feedstocks</b>	-	-	-	-	1.0180	1.0175	-	-	-	-
<b>Additives</b>	-	-	-	-	-	1.0175	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	0.6401	-	-	-	-	-	0.5995	-	-	-
<b>Biodiesels</b>	0.8790	-	-	-	-	0.8790	-	0.8790	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	0.8790	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	0.6597	0.6377	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	0.6597	0.6377	-	-	-
Other uses	-	-	-	-	-	0.5852	0.6377	-	-	-
<b>Coking coal</b>										
Production	0.6500	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	0.6500	-	-	-	-	-	-	-	-	-
Coke ovens	0.6500	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	0.6500	-	-	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	0.6500	-	0.6026	-	-	-	-	-	-	-
Imports	-	-	0.6026	0.6162	-	0.5790	-	0.6406	0.6162	-
Exports	0.6500	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	0.6500	-	-	-	-	0.5763	-	-	0.6162	-
Industry	0.6500	-	0.6026	0.6162	-	0.5914	-	0.6874	-	-
Other uses	0.6500	-	0.6026	0.6162	-	0.5876	-	0.6162	0.6162	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	0.4660	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	0.4660	-	-	-	-
Other uses	-	-	-	-	-	0.4001	-	-	-	-
<b>Lignite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	0.3967	-	0.1237	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	0.3967	-	-	-	-
Other uses	-	-	-	-	-	0.3967	-	0.1237	-	-
<b>Patent fuel</b>	-	-	0.6927	-	-	-	-	-	-	-
<b>Coke oven coke</b>	0.4800	-	0.6735	0.6735	-	0.7001	0.6735	-	0.6735	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	0.7356	0.7356	0.7356	0.7356	0.7356	0.7356	0.7220	0.7356	0.7356	-

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Egypt	El Salvador	Eritrea	Ethiopia	Gabon	Georgia	Ghana	Gibraltar	Guatemala	Haiti
<b>Crude oil</b>										
Production	1.0160	-	-	-	1.0180	1.0050	1.0180	-	1.0140	-
Imports	1.0160	1.0070	-	-	-	1.0050	1.0180	-	-	-
Exports	1.0160	-	-	-	1.0180	1.0050	-	-	1.0140	-
Average	1.0160	1.0070	-	-	1.0180	1.0050	1.0180	-	1.0140	-
<b>NGL</b>	1.0160	-	-	-	-	-	-	-	-	-
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	0.6735	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	0.6735	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	0.6735	-	-	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	0.5971	-	-	0.6162	-
Exports	-	-	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	0.6162	-
Industry	-	-	-	-	-	0.5971	-	-	-	-
Other uses	-	-	-	-	-	0.5971	-	-	0.6162	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	0.4204	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	0.4204	-	-	-	-
Other uses	-	-	-	-	-	0.4204	-	-	-	-
<b>Lignite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	0.6735	-	-	-	-	-	-	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	0.7356	0.7356	0.7356	-	-	0.7356	-	0.7356	0.7356

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Honduras	Hong Kong	India	Indonesia	Islamic Rep. Iran	Iraq	Jamaica	Jordan	Kazakhstan	Kenya
<b>Crude oil</b>										
Production	-	-	1.0220	1.0190	1.0190	1.0230	-	1.0200	1.0239	-
Imports	-	-	1.0220	1.0190	1.0190	-	1.0070	1.0200	1.0180	1.0050
Exports	-	-	-	1.0190	1.0190	1.0230	-	-	1.0250	-
Average	-	-	1.0220	1.0190	1.0190	1.0230	1.0070	1.0200	1.0190	1.0050
<b>NGL</b>	-	-	1.0270	1.0215	1.0160	1.0230	-	-	1.0010	-
<b>Refinery feedstocks</b>	-	-	-	1.0700	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	0.6401	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	0.8790	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	0.5800	0.6735	0.6735	-	-	-	0.4438	-
Imports	-	-	0.6470	0.6735	0.6735	-	0.6735	-	-	-
Exports	-	-	0.6735	0.6735	0.6735	-	-	-	0.4438	-
Coke ovens	-	-	0.6210	-	0.6735	-	-	-	0.4438	-
Main activity elec. generation	-	-	0.6735	-	-	-	-	-	-	-
Industry	-	-	0.6735	0.6735	-	-	0.6735	-	0.4438	-
Other uses	-	-	0.5800	0.6735	0.6735	-	0.6735	-	0.4438	-
<b>Other bituminous coal</b>										
Production	-	-	0.4410	0.6162	0.6162	-	-	-	0.4438	-
Imports	0.6162	0.6162	0.6162	-	-	-	-	-	0.4438	0.6162
Exports	-	-	0.4410	0.6162	0.6162	-	-	-	0.4438	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	0.6162	0.4450	-	-	-	-	-	0.4438	-
Industry	0.6162	0.6162	0.4450	0.6162	0.6162	-	-	-	0.4438	0.6162
Other uses	0.6162	0.6162	0.4450	0.6162	0.6162	-	-	-	0.4438	0.6162
<b>Sub-bituminous coal</b>										
Production	-	-	-	0.5255	-	-	-	-	-	-
Imports	-	-	0.4514	-	-	-	-	-	-	-
Exports	-	-	-	0.5255	-	-	-	-	-	-
Main activity elec. generation	-	-	0.2340	0.5255	-	-	-	-	-	-
Industry	-	-	-	0.5255	-	-	-	-	-	-
Other uses	-	-	0.2340	0.5255	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	-	0.2280	-	-	-	-	-	0.3500	-
Imports	-	-	-	-	-	-	-	-	0.3500	-
Exports	-	-	-	-	-	-	-	-	0.3500	-
Main activity elec. generation	-	-	0.2280	-	-	-	-	-	0.3500	-
Industry	-	-	0.2280	-	-	-	-	-	0.3500	-
Other uses	-	-	0.2280	-	-	-	-	-	0.3500	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	0.6735	-	0.6735	-	0.6735	-	-	-	0.6000	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	0.4777	0.4777	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	0.7356	-	0.7356	0.7356	0.7356	0.7356	0.7356	-	0.7356

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	DPR of Korea	Kosovo	Kuwait	Kyrgyzstan	Latvia	Lebanon	Libya	Lithuania	FYR of Maced.	Malaysia
<b>Crude oil</b>										
Production	-	-	1.0160	1.0050	-	-	1.0270	1.0218	-	1.0342
Imports	1.0070	-	-	-	-	-	-	1.0218	1.0246	1.0178
Exports	-	-	1.0160	-	-	-	1.0270	1.0218	-	1.0350
Average	1.0070	-	1.0160	1.0050	-	-	1.0270	1.0218	1.0246	1.0350
<b>NGL</b>	-	-	1.0180	-	-	-	1.0270	-	-	1.0608
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	1.0700	0.9673	1.0160
<b>Additives</b>	-	-	-	-	-	-	-	0.6000	-	-
<b>Other hydrocarbons</b>	-	-	-	-	0.9399	-	-	-	-	1.0060
<b>Biogasoline</b>	-	-	-	-	0.6401	-	-	0.6401	-	-
<b>Biodiesels</b>	-	-	-	-	0.8790	-	-	0.8790	0.8790	0.8790
<b>Other liquid biofuels</b>	-	-	-	-	0.8790	-	-	-	-	-
<b>Anthracite</b>										
Production	0.6377	-	-	-	-	-	-	-	-	-
Imports	-	0.5992	-	-	-	-	-	0.6000	0.6222	-
Exports	0.6377	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	0.5955	-	-	-	-	-	-	0.6222	-
Other uses	0.6377	0.6033	-	-	-	-	-	0.6000	0.5984	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	0.6000	-	-
Exports	-	-	-	-	-	-	-	0.6000	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	0.6000	-	-
Industry	-	-	-	-	-	-	-	0.6000	-	-
Other uses	-	-	-	-	-	-	-	0.6000	-	-
<b>Other bituminous coal</b>										
Production	0.6162	-	-	0.4438	-	-	-	-	-	0.6304
Imports	-	-	-	0.4438	0.6263	0.6610	-	0.6000	0.6222	0.6304
Exports	-	-	-	-	0.6263	-	-	0.6000	-	0.6304
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	0.6162	-	-	0.4438	0.6263	-	-	0.6000	-	0.6304
Industry	0.6162	-	-	0.4438	0.6263	0.6610	-	0.6000	0.6222	0.6304
Other uses	0.6162	-	-	0.4438	0.6263	0.6610	-	0.6000	0.6662	0.6304
<b>Sub-bituminous coal</b>										
Production	0.4200	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	0.5274	-
Exports	-	-	-	-	-	-	-	-	0.4037	-
Main activity elec. generation	0.4200	-	-	-	-	-	-	-	-	-
Industry	0.4200	-	-	-	-	-	-	-	0.5274	-
Other uses	0.4200	-	-	-	-	-	-	-	0.4349	-
<b>Lignite</b>										
Production	-	0.2650	-	0.3500	-	-	-	-	0.1776	-
Imports	-	0.2650	-	0.3500	-	-	-	0.3499	0.1941	-
Exports	-	0.2650	-	-	-	-	-	-	0.2462	-
Main activity elec. generation	-	0.2650	-	-	-	-	-	-	0.1759	-
Industry	-	0.2650	-	0.3500	-	-	-	-	0.2538	-
Other uses	-	0.2650	-	0.3500	-	-	-	0.3499	0.2538	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	0.6735	-	-	-	0.6399	-	-	0.6998	0.5990	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	0.3583	-	-
<b>Peat</b>	-	0.2331	-	-	0.2400	-	-	0.2799	0.2737	-
<b>Charcoal</b>	-	-	-	-	0.7356	0.7356	-	0.7356	-	0.6900

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Malta	Rep. of Moldova	Mongolia	Monteneg- ro	Morocco	Mozam- bique	Myanmar	Namibia	Nepal	Neth. Antilles
<b>Crude oil</b>										
Production	-	1.0050	1.0070	-	0.9300	-	1.0090	-	-	-
Imports	-	-	-	-	1.0141	-	-	-	-	1.0070
Exports	-	-	1.0070	-	-	-	-	-	-	-
Average	-	1.0050	1.0070	-	1.0141	-	1.0090	-	-	1.0070
<b>NGL</b>	-	-	-	-	-	1.0200	1.0200	-	-	-
<b>Refinery feedstocks</b>	-	1.0700	-	-	1.0700	-	-	-	-	1.0700
<b>Additives</b>	-	-	-	-	1.0000	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	0.4438	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	0.4438	-	-	-	-	-	-	-	-
Other uses	-	0.4438	-	-	-	-	-	-	-	-
<b>Coking coal</b>										
Production	-	-	0.6735	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	0.6735	-	-	-	-	-	-	-
Coke ovens	-	-	0.6735	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	0.6735	-	-	-	-	-	-	-
<b>Other bituminous coal</b>										
Production	-	-	0.6830	-	-	0.5970	0.6162	-	0.6000	-
Imports	-	0.4438	-	-	0.6600	-	-	0.5420	0.6000	-
Exports	-	-	0.6830	-	-	0.5970	-	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	0.6600	-	0.6162	0.5420	-	-
Industry	-	0.4438	-	-	0.6600	0.5970	0.6162	-	0.6000	-
Other uses	-	0.4438	0.6830	-	0.6600	0.5970	0.6162	0.5420	0.6000	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	-	0.3440	0.2200	-	-	0.2842	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	0.3440	0.2200	-	-	-	-	-	-
Main activity elec. generation	-	-	0.3440	0.2200	-	-	-	-	-	-
Industry	-	-	0.3440	0.2200	-	-	-	-	-	-
Other uses	-	-	0.3440	0.2200	-	-	0.2842	-	-	-
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	0.6000	0.6735	-	-	-	-	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	-	0.7356	-	-	0.7170	0.7356	-	0.7101	-

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Nicaragua	Nigeria	Oman	Pakistan	Panama	Paraguay	Peru	Philippines	Qatar	Romania
<b>Crude oil</b>										
Production	-	1.0210	1.0200	1.0029	-	-	1.0210	0.9905	1.0240	0.9706
Imports	0.9760	-	-	1.0369	-	-	1.0070	0.9905	-	0.9997
Exports	-	1.0210	1.0200	-	-	-	1.0210	0.9905	1.0240	0.9708
Average	0.9760	1.0210	1.0200	1.0262	-	-	1.0210	0.9905	1.0240	0.9895
<b>NGL</b>	-	1.0210	1.0200	1.0240	-	-	1.0210	1.0000	1.0270	1.1813
<b>Refinery feedstocks</b>	-	1.0700	-	-	-	-	1.0700	-	-	1.0700
<b>Additives</b>	-	-	-	0.6000	-	-	-	-	-	0.8788
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	1.0000	0.9280
<b>Biogasoline</b>	-	-	-	-	-	0.6401	0.6401	0.7083	-	0.6401
<b>Biodiesels</b>	-	-	-	-	-	-	0.8790	0.9416	-	0.8790
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	0.8790
<b>Anthracite</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	0.6098
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	0.6098
Other uses	-	-	-	-	-	-	-	-	-	0.6098
<b>Coking coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	0.6579	-	-	-	-	-	0.6568
Exports	-	-	-	-	-	-	-	-	-	0.6568
Coke ovens	-	-	-	0.6579	-	-	-	-	-	0.6568
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	0.6568
Other uses	-	-	-	0.4474	-	-	-	-	-	0.6568
<b>Other bituminous coal</b>										
Production	-	0.6162	-	0.4493	-	-	0.7000	-	-	-
Imports	-	-	-	0.6603	-	-	0.7000	0.6000	-	-
Exports	-	-	-	-	-	-	0.7000	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	0.5650	-	-	0.7000	0.5810	-	-
Industry	-	0.6162	-	0.5650	-	-	0.7000	-	-	-
Other uses	-	0.6162	-	0.5650	-	-	0.7000	0.5810	-	-
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	0.5278	-	0.5202
Imports	-	-	-	-	-	-	-	0.5278	-	0.5876
Exports	-	-	-	-	-	-	-	0.5278	-	0.5876
Main activity elec. generation	-	-	-	-	-	-	-	0.5278	-	0.5872
Industry	-	-	-	-	-	-	-	0.5278	-	0.5872
Other uses	-	-	-	-	-	-	-	0.5278	-	0.5872
<b>Lignite</b>										
Production	-	-	-	0.2842	-	-	-	-	-	0.1896
Imports	-	-	-	-	-	-	-	-	-	0.2206
Exports	-	-	-	-	-	-	-	-	-	0.2206
Main activity elec. generation	-	-	-	-	-	-	-	-	-	0.1887
Industry	-	-	-	0.2842	-	-	-	-	-	0.1843
Other uses	-	-	-	0.2842	-	-	-	-	-	0.1843
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	-	-	0.6735	0.6735	-	0.6735	0.6735	-	0.6298
<b>Coal tar</b>	-	-	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	0.2099
<b>Charcoal</b>	0.7356	0.7356	-	0.7356	0.7356	0.6900	0.6500	0.5996	-	-



## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Russian Fed.	Saudi Arabia	Senegal	Serbia	Singapore	South Africa	Sri Lanka	Sudan	Syrian Arab R.	Tajikistan
<b>Crude oil</b>										
Production	1.0050	1.0160	-	1.0556	-	-	-	1.0180	1.0040	1.0050
Imports	-	-	1.0180	1.0556	1.0200	0.9678	1.0300	-	-	-
Exports	1.0050	1.0160	-	-	-	-	-	1.0180	1.0040	1.0050
Average	1.0050	1.0160	1.0180	1.0556	1.0200	0.9678	1.0300	1.0180	1.0040	1.0050
<b>NGL</b>	1.0010	1.0730	-	1.0987	-	1.0209	-	-	1.0040	-
<b>Refinery feedstocks</b>	-	-	-	1.0150	1.0700	-	-	-	-	-
<b>Additives</b>	-	-	-	1.0000	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	0.9678	-	-	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	0.6927	-	-	-	-	-	-	-	-	-
Imports	0.6927	-	-	0.5992	-	-	-	-	-	-
Exports	0.6927	-	-	0.5872	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	0.5955	-	-	-	-	-	-
Other uses	0.6927	-	-	0.6033	-	-	-	-	-	-
<b>Coking coal</b>										
Production	0.6807	-	-	-	-	0.7403	-	-	-	-
Imports	0.6807	-	-	-	-	0.7403	-	-	-	0.4438
Exports	0.6807	-	-	-	-	0.7403	-	-	-	-
Coke ovens	0.6807	-	-	-	-	0.7403	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	0.6807	-	-	-	-	0.7403	-	-	-	0.4438
<b>Other bituminous coal</b>										
Production	0.5948	-	-	-	-	0.5636	-	-	-	0.4438
Imports	0.5971	-	0.6190	0.5445	-	-	0.7000	-	-	0.4438
Exports	0.6236	-	-	0.5484	-	0.6686	-	-	-	-
Coke ovens	0.5734	-	-	-	-	-	-	-	-	-
Main activity elec. generation	0.5453	-	-	-	-	0.4800	-	-	-	-
Industry	0.5734	-	0.6190	0.5440	-	0.6448	0.7000	-	-	-
Other uses	0.5734	-	0.6190	0.5465	-	0.6448	0.6162	-	-	0.4438
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	0.3500
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	0.3500
<b>Lignite</b>										
Production	0.3563	-	-	0.1904	-	-	-	-	-	-
Imports	0.3563	-	-	0.4053	-	-	-	-	-	-
Exports	0.3563	-	-	0.1934	-	-	-	-	-	-
Main activity elec. generation	0.3404	-	-	0.1808	-	-	-	-	-	-
Industry	0.3563	-	-	0.4430	-	-	-	-	-	-
Other uses	0.3563	-	-	0.3057	-	-	-	-	-	-
<b>Patent fuel</b>	0.6927	-	-	0.7203	-	-	-	-	-	-
<b>Coke oven coke</b>	0.6930	-	-	0.6791	0.6735	0.6329	-	-	0.6735	0.6000
<b>Coal tar</b>	0.9076	-	-	-	-	-	-	-	-	-
<b>BKB</b>	0.4200	-	-	0.4199	-	-	-	-	-	-
<b>Peat</b>	0.2380	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	-	0.7356	0.6900	-	-	0.7356	0.7356	0.7200	0.7356	-

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	United R. Tanzania	Thailand	Togo	Trinidad and Tob.	Tunisia	Turkmeni- stan	Ukraine	United A. Emirates	Uruguay	Uzbeki- stan
<b>Crude oil</b>										
Production	-	1.0086	-	1.0090	1.0300	1.0050	1.0050	1.0180	-	1.0050
Imports	-	1.0086	-	1.0090	1.0300	-	1.0050	-	1.0085	-
Exports	-	1.0086	-	1.0090	1.0300	1.0050	-	1.0180	-	-
Average	-	1.0086	-	1.0090	1.0300	1.0050	1.0050	1.0180	1.0085	1.0050
<b>NGL</b>	-	1.1190	-	1.0000	1.0300	1.0010	1.0010	1.0180	-	1.0010
<b>Refinery feedstocks</b>	-	1.0700	-	-	-	-	1.0700	-	-	-
<b>Additives</b>	-	-	-	-	-	-	1.0000	-	-	0.6000
<b>Other hydrocarbons</b>	-	-	-	-	-	-	-	-	-	1.0000
<b>Biogasoline</b>	-	0.6401	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	0.8790	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-	-	-
<b>Anthracite</b>										
Production	-	-	-	-	-	-	0.5054	-	-	-
Imports	-	0.6300	-	-	-	-	0.6100	-	-	-
Exports	-	0.6300	-	-	-	-	0.5156	-	-	-
Main activity elec. generation	-	-	-	-	-	-	0.5054	-	-	-
Industry	-	0.6300	-	-	-	-	0.5054	-	-	-
Other uses	-	0.6300	-	-	-	-	0.5159	-	-	-
<b>Coking coal</b>										
Production	-	-	-	-	-	-	0.6832	-	-	-
Imports	-	-	-	-	-	-	0.6100	-	-	-
Exports	-	-	-	-	-	-	0.5156	-	-	-
Coke ovens	-	-	-	-	-	-	0.6832	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	0.6832	-	-	-
<b>Other bituminous coal</b>										
Production	0.6162	-	-	-	-	-	0.5054	-	-	0.4438
Imports	-	0.6300	-	-	-	-	0.6100	0.6162	0.6162	-
Exports	-	0.6300	-	-	-	-	0.5156	-	-	-
Coke ovens	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	0.6300	-	-	-	-	0.5054	-	-	-
Industry	0.6162	0.6300	-	-	-	-	0.5054	0.6162	0.6162	0.4438
Other uses	0.6162	0.6300	-	-	-	-	0.5054	0.6162	0.6162	0.4438
<b>Sub-bituminous coal</b>										
Production	-	-	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-	-	-
<b>Lignite</b>										
Production	-	0.2900	-	-	-	-	0.1848	-	-	0.3500
Imports	-	-	-	-	-	-	0.3500	-	-	0.3500
Exports	-	-	-	-	-	-	0.3500	-	-	0.3500
Main activity elec. generation	-	0.2580	-	-	-	-	-	-	-	0.3500
Industry	-	0.4359	-	-	-	-	0.1848	-	-	0.3500
Other uses	-	0.2900	-	-	-	-	0.1848	-	-	0.3500
<b>Patent fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Coke oven coke</b>	-	0.6735	-	-	-	-	0.6000	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	0.9076	-	-	-
<b>BKB</b>	-	-	-	-	-	-	0.4777	-	-	-
<b>Peat</b>	-	-	-	-	-	-	-	-	-	-
<b>Charcoal</b>	0.7356	0.7356	0.7356	0.7356	0.7356	-	0.7356	0.7356	0.7500	-

## Country-specific net calorific values (tonne of oil equivalent per tonne)

2010

	Venezuela	Vietnam	Yemen	Zambia	Zimbabwe	Other Africa	Other Non-OECD Am.	Other Asia
<b>Crude oil</b>								
Production	1.0685	1.0180	1.0270	-	-	1.0070	1.0070	1.0070
Imports	-	-	-	1.0199	-	-	1.0070	1.0070
Exports	1.0685	1.0180	1.0270	-	-	1.0070	1.0070	1.0070
Average	1.0685	1.0180	1.0270	1.0199	-	1.0070	1.0070	1.0070
<b>NGL</b>	1.0030	1.0200	1.0160	-	-	1.0200	-	1.0200
<b>Refinery feedstocks</b>	-	-	-	-	-	-	-	-
<b>Additives</b>	-	-	-	-	-	-	-	-
<b>Other hydrocarbons</b>	-	-	-	-	-	0.5493	-	-
<b>Biogasoline</b>	-	-	-	-	-	-	-	-
<b>Biodiesels</b>	-	-	-	-	-	-	-	-
<b>Other liquid biofuels</b>	-	-	-	-	-	-	-	-
<b>Anthracite</b>								
Production	-	0.5600	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	0.5600	-	-	-	-	-	-
Main activity elec. generation	-	0.5600	-	-	-	-	-	-
Industry	-	0.5600	-	-	-	-	-	-
Other uses	-	0.5600	-	-	-	-	-	-
<b>Coking coal</b>								
Production	-	-	-	-	0.6448	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Coke ovens	-	-	-	-	0.6448	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	0.6448	-	-	-
Other uses	-	-	-	-	0.6448	-	-	-
<b>Other bituminous coal</b>								
Production	0.7300	-	-	0.5901	0.6448	0.6162	-	0.6162
Imports	-	0.5600	-	-	0.6448	0.6162	-	0.6162
Exports	0.7300	-	-	-	-	0.6162	-	0.6162
Coke ovens	-	-	-	-	-	-	-	-
Main activity elec. generation	-	0.5600	-	-	0.6448	0.6162	-	0.6162
Industry	0.7300	0.5600	-	0.5901	0.6448	0.6162	-	0.6162
Other uses	0.7300	0.5600	-	0.5901	0.6448	0.6162	-	0.6162
<b>Sub-bituminous coal</b>								
Production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Other uses	-	-	-	-	-	-	-	-
<b>Lignite</b>								
Production	-	-	-	-	-	-	-	0.3440
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	0.3440
Main activity elec. generation	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	0.3440
Other uses	-	-	-	-	-	-	-	0.3440
<b>Patent fuel</b>	-	-	-	-	-	-	0.6927	-
<b>Coke oven coke</b>	-	0.6735	-	-	0.6000	-	-	-
<b>Coal tar</b>	-	-	-	-	-	-	-	-
<b>BKB</b>	-	-	-	-	-	-	-	-
<b>Peat</b>	-	0.2331	-	-	-	0.2331	-	-
<b>Charcoal</b>	0.7356	0.7356	0.7356	0.7785	-	0.7356	0.7356	0.7356



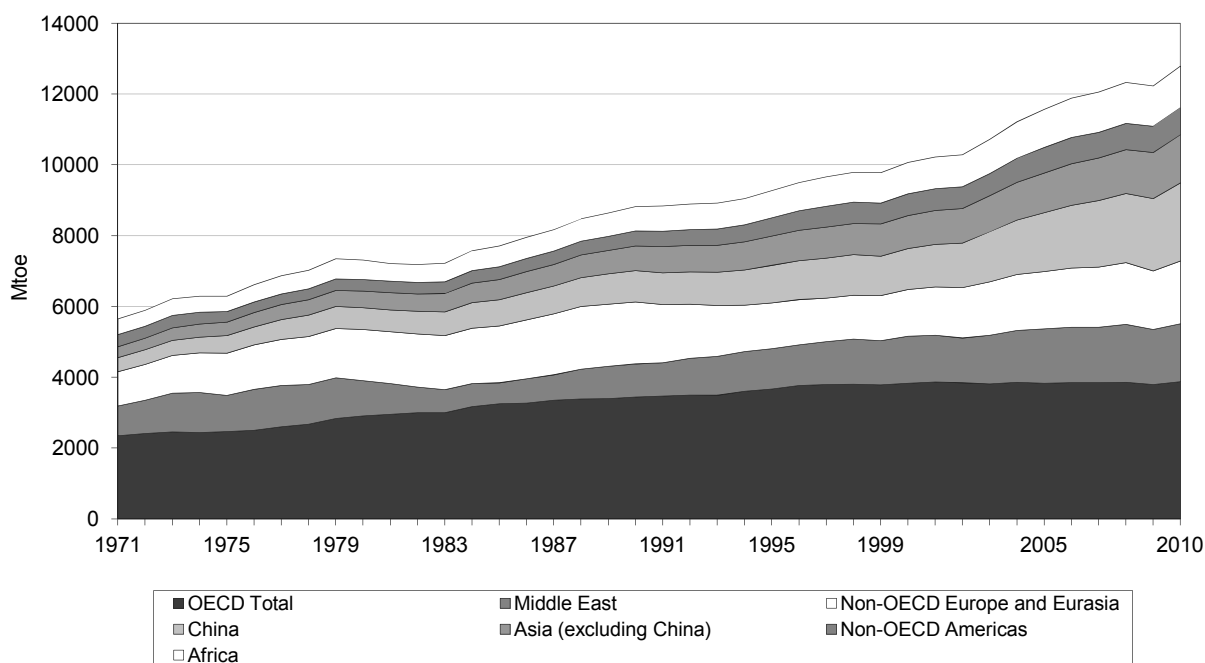
# **GRAPHS AND ENERGY BALANCE SHEETS**

**2009-2010**

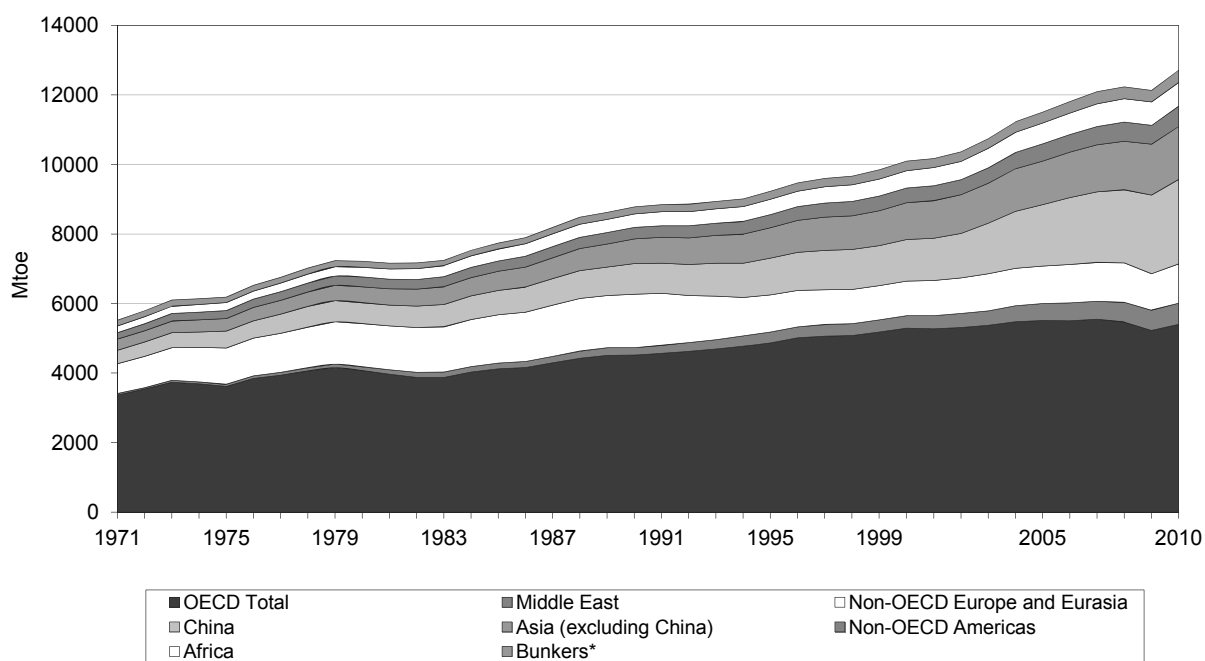
**REGIONAL TOTALS**

## World

### Total production of energy by region



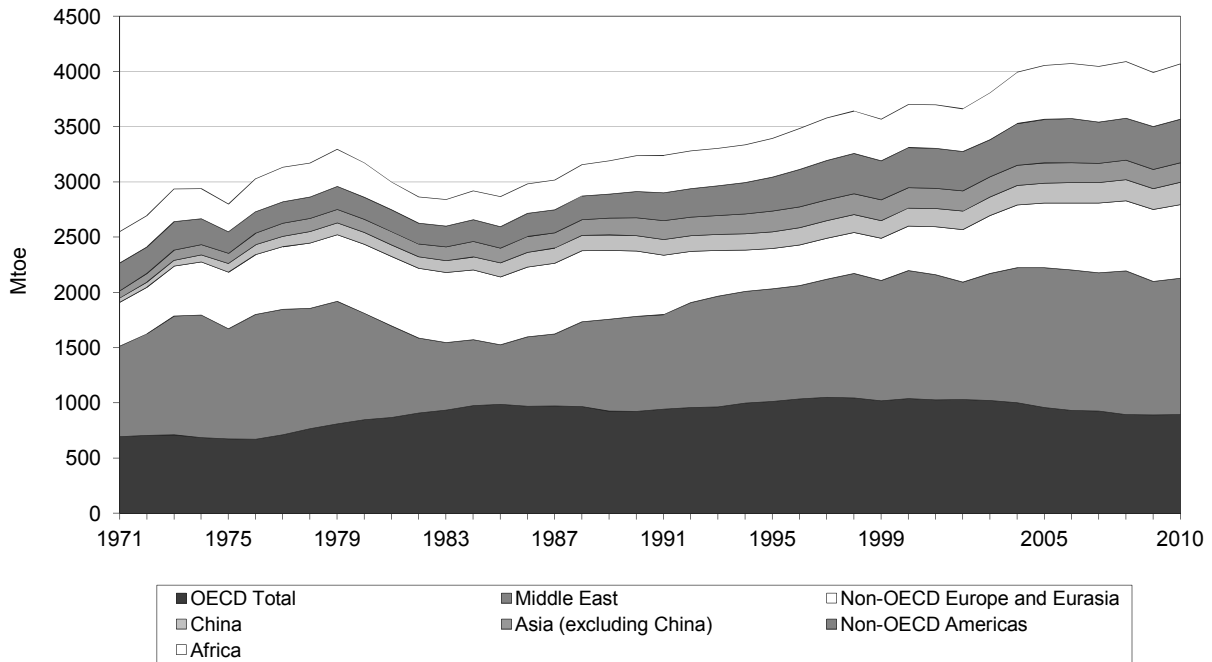
### Total primary energy supply (TPES) by region



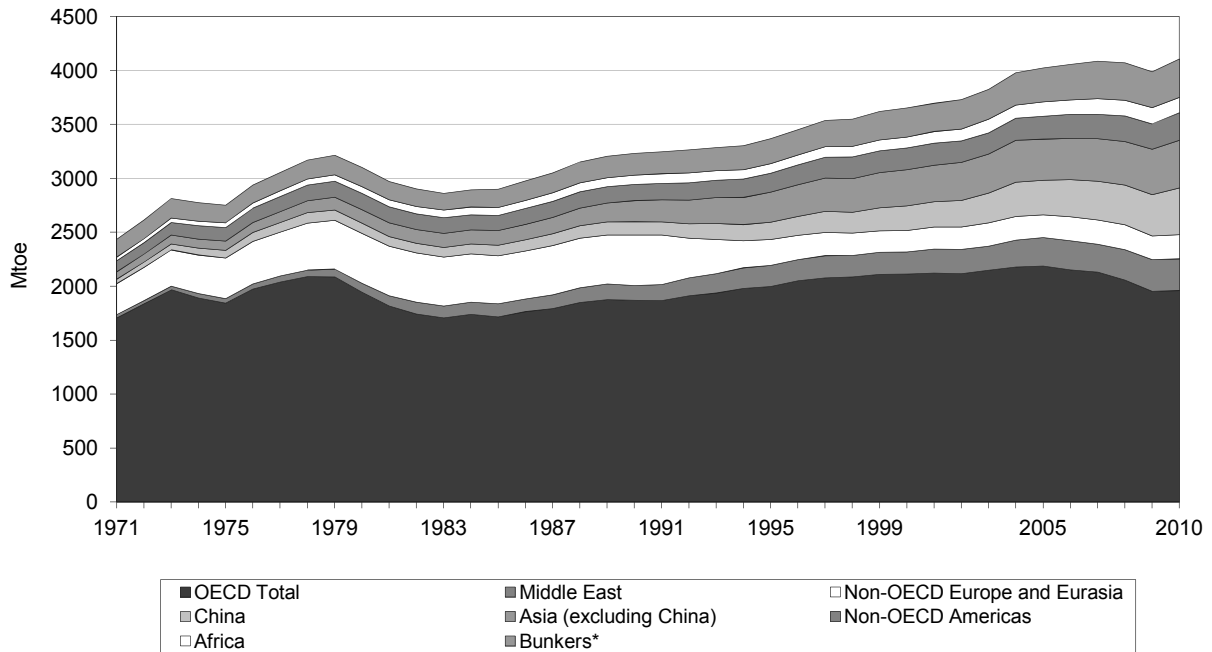
\* Includes world marine bunkers and world aviation bunkers.

## World

### Production of crude oil and NGL by region



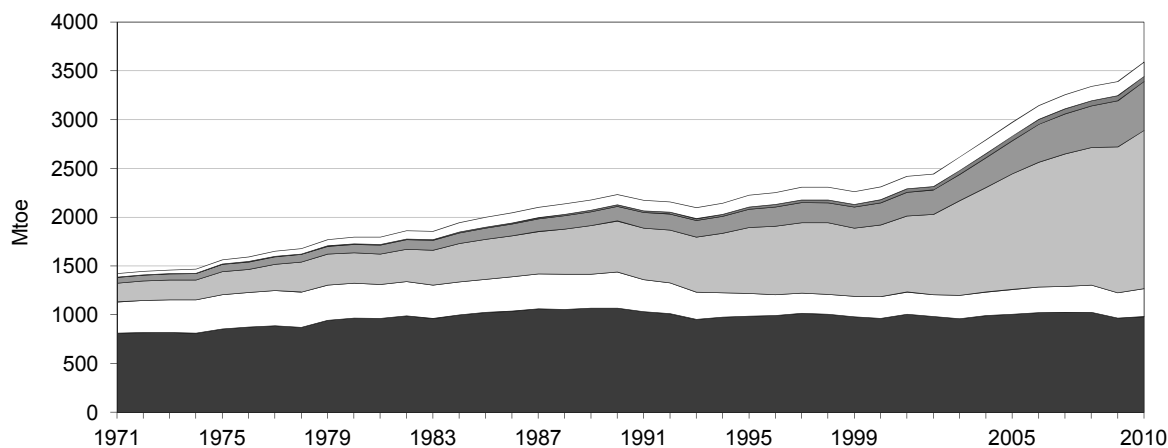
### Primary supply of oil by region



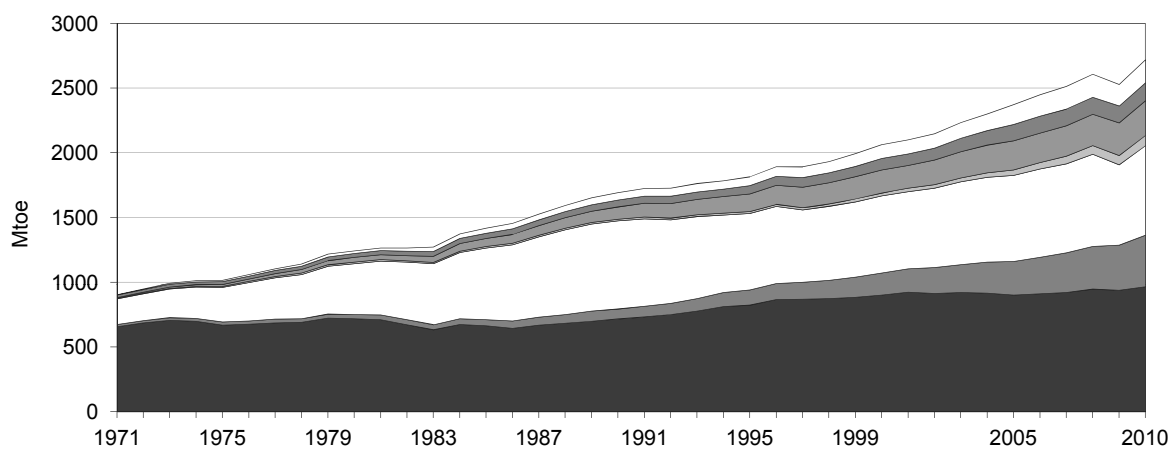
\* Includes world marine bunkers and world aviation bunkers.

## World

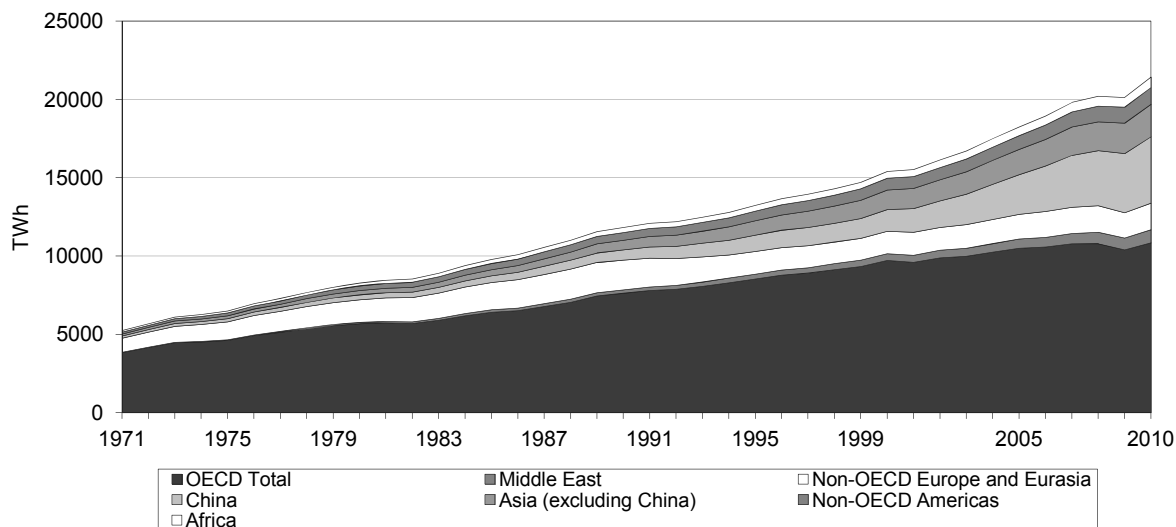
### Production of coal/peat by region



### Production of natural gas by region



### Electricity generation\* by region

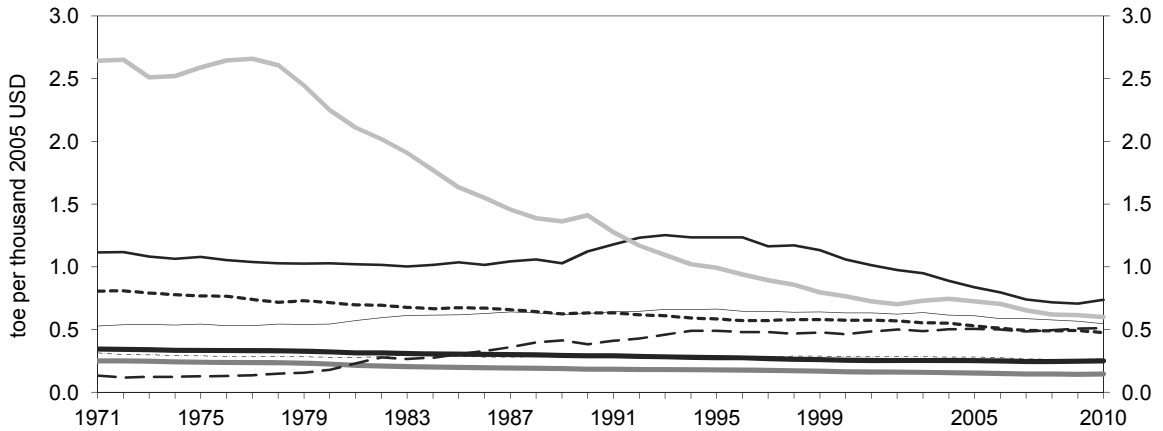


\* Excludes production from pumped storage.

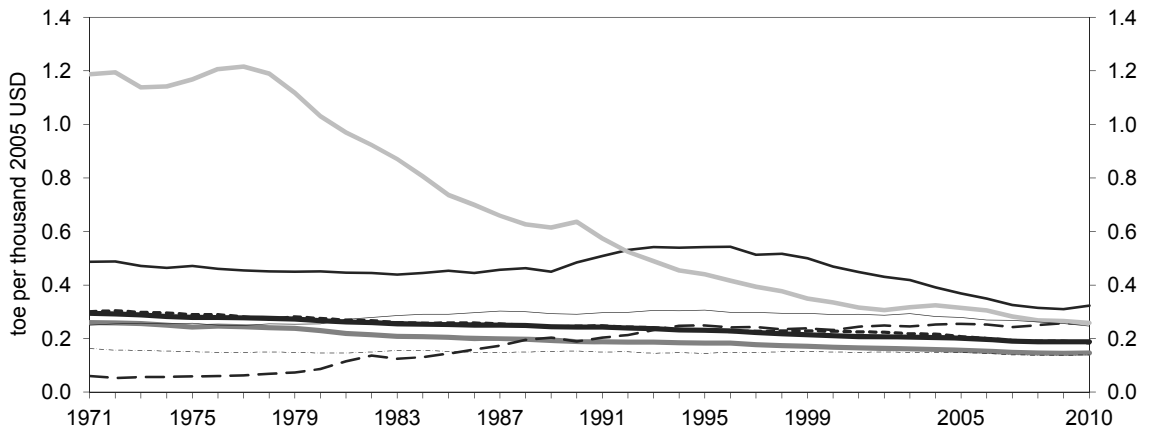


World

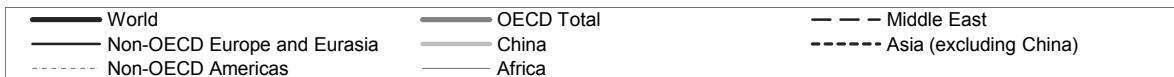
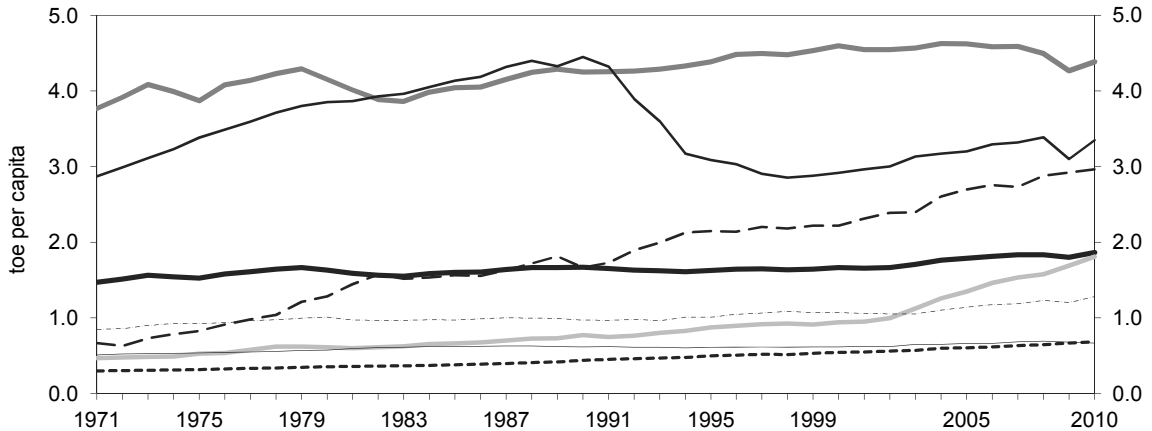
TPES/GDP



TPES/GDP PPP



TPES/population



World

Figure 1. Energy production

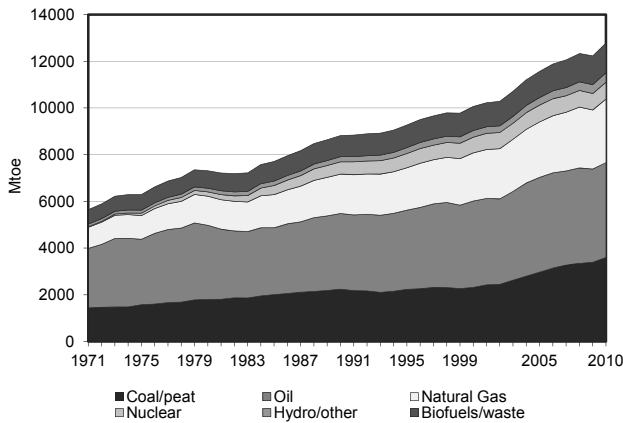


Figure 2. Total primary energy supply\*

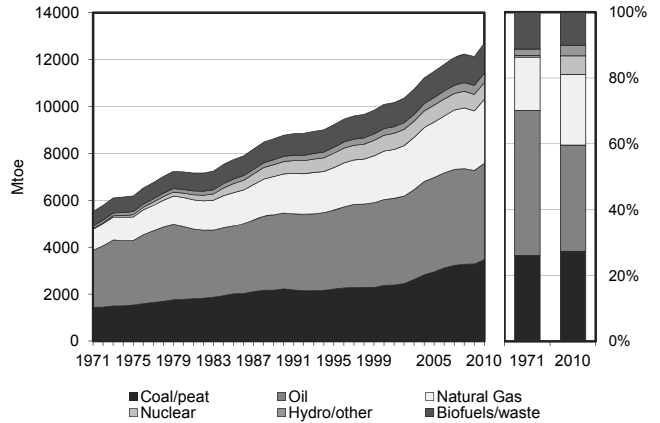


Figure 3. Energy self-sufficiency\*\*

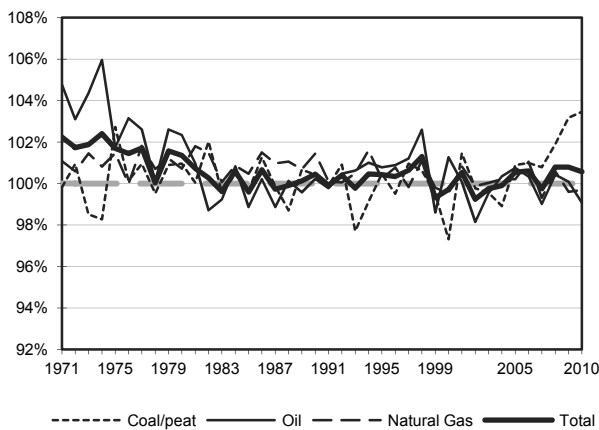


Figure 4. Oil products demand\*\*\*

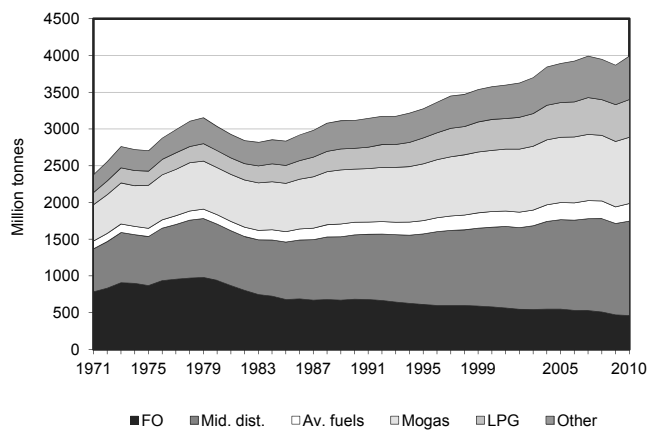


Figure 5. Electricity generation by fuel

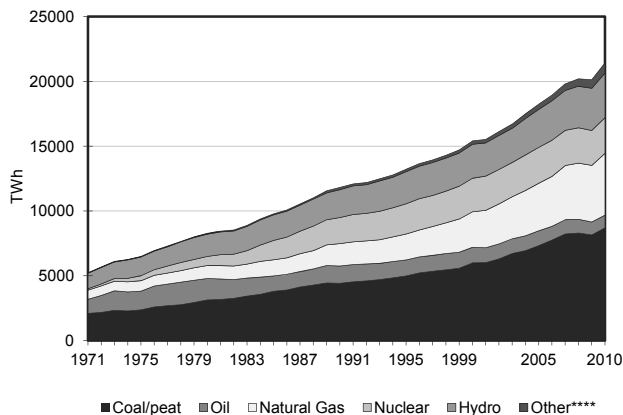
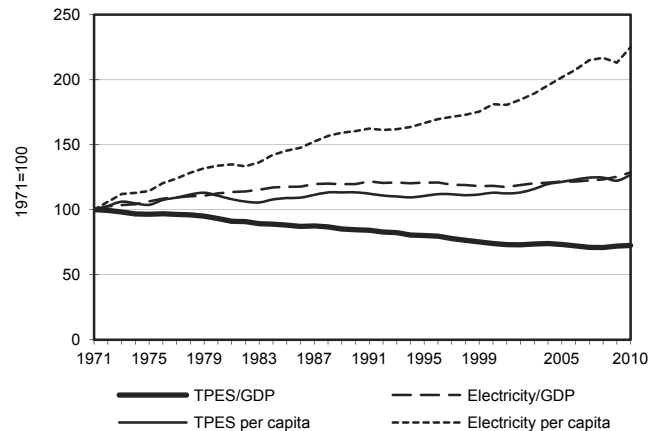


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## World

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3394.42	3993.14	-	2528.77	703.31	279.78	102.24	1229.49	-	0.98	12232.12
Imports	580.46	2267.01	986.18	755.14	-	-	-	8.61	50.92	0.00	4648.32
Exports	-585.66	-2171.41	-1074.44	-737.82	-	-	-	-8.39	-50.31	-0.01	-4628.03
Stock changes	-99.24	-9.42	-1.42	-7.29	-	-	-	0.47	-	-	-116.89
<b>TPES</b>	<b>3289.99</b>	<b>4079.31</b>	<b>-89.68</b>	<b>2538.80</b>	<b>703.31</b>	<b>279.78</b>	<b>102.24</b>	<b>1230.18</b>	<b>0.61</b>	<b>0.97</b>	<b>12135.52</b>
Transfers	-	-149.77	169.93	-	-	-	-	-	-	-	20.16
Statistical differences	-8.41	5.69	-19.93	-0.25	-	-	0.00	0.02	0.66	0.01	-22.20
Electricity plants	-1871.52	-30.17	-203.37	-643.62	-697.25	-279.78	-80.99	-54.67	1570.26	-0.36	-2291.45
CHP plants	-165.65	-0.01	-24.15	-278.55	-5.91	-	-1.06	-32.02	161.23	141.05	-205.07
Heat plants	-96.69	-0.76	-12.34	-82.36	-0.15	-	-0.19	-8.70	-0.33	169.34	-32.18
Blast furnaces	-151.69	-	-0.64	-0.07	-	-	-	-	-	-	-152.40
Gas works	-10.32	-	-3.35	2.69	-	-	-	-0.02	-	-	-10.99
Coke/pat.fuel/BKB plants	-50.37	-0.00	-1.72	-0.04	-	-	-	-0.00	-	-	-52.14
Oil refineries	-	-3897.71	3851.06	-0.59	-	-	-	-	-	-	-47.24
Petrochemical plants	-	29.40	-30.39	-	-	-	-	-	-	-	-0.99
Liquefaction plants	-17.90	6.42	-	-6.71	-	-	-	-	-	-	-18.19
Other transformation	-0.01	0.14	-0.35	-1.85	-	-	-	-51.42	-	-0.34	-53.83
Energy industry own use	-80.44	-9.99	-208.59	-260.48	-	-	-0.13	-12.95	-147.29	-36.60	-756.47
Losses	-1.87	-6.02	-0.63	-18.77	-	-	-0.14	-0.15	-149.12	-19.24	-195.96
<b>TFC</b>	<b>835.12</b>	<b>26.51</b>	<b>3425.84</b>	<b>1248.21</b>	-	-	<b>19.74</b>	<b>1070.29</b>	<b>1436.02</b>	<b>254.83</b>	<b>8316.56</b>
<b>INDUSTRY</b>	<b>654.00</b>	<b>10.98</b>	<b>300.92</b>	<b>431.07</b>	-	-	<b>0.44</b>	<b>186.63</b>	<b>575.18</b>	<b>104.40</b>	<b>2263.62</b>
Iron and steel	221.40	0.01	11.47	46.64	-	-	-	3.50	77.43	14.52	374.97
Chemical and petrochemical	59.10	2.00	47.58	90.93	-	-	0.00	1.85	87.28	38.25	326.99
Non-ferrous metals	14.47	0.00	6.24	15.47	-	-	0.00	0.12	61.70	2.30	100.30
Non-metallic minerals	178.62	0.01	36.13	48.33	-	-	0.00	6.61	37.00	2.58	309.28
Transport equipment	4.38	0.01	2.90	10.34	-	-	0.00	0.01	15.54	3.74	36.93
Machinery	14.51	0.02	9.91	21.18	-	-	0.00	0.11	56.86	5.38	107.96
Mining and quarrying	7.71	-	15.77	12.91	-	-	-	0.05	21.72	1.92	60.08
Food and tobacco	22.03	0.05	25.72	34.39	-	-	0.00	28.81	32.30	10.49	153.79
Paper pulp and printing	21.28	0.01	8.47	24.05	-	-	0.15	49.97	37.94	9.69	151.56
Wood and wood products	2.76	0.01	4.26	3.08	-	-	-	10.53	7.27	2.05	29.95
Construction	5.63	0.02	30.16	5.56	-	-	0.00	0.15	7.33	1.29	50.13
Textile and leather	11.85	0.03	5.50	6.72	-	-	0.00	0.21	20.71	6.40	51.42
Non-specified	90.26	8.81	96.81	111.47	-	-	0.29	84.72	112.12	5.78	510.25
<b>TRANSPORT</b>	<b>3.38</b>	<b>0.03</b>	<b>2138.08</b>	<b>77.69</b>	-	-	-	<b>51.08</b>	<b>22.80</b>	-	<b>2293.06</b>
World aviation bunkers	-	-	146.14	-	-	-	-	-	-	-	146.14
Domestic aviation	-	-	92.04	-	-	-	-	-	-	-	92.04
Road	-	0.03	1634.76	23.73	-	-	-	51.06	0.00	-	1709.58
Rail	3.23	-	27.40	-	-	-	-	0.01	17.21	-	47.85
Pipeline transport	-	-	0.34	53.53	-	-	-	-	2.69	-	56.56
World marine bunkers	-	-	186.29	-	-	-	-	-	-	-	186.29
Domestic navigation	0.13	-	43.96	0.05	-	-	-	0.00	-	-	44.14
Non-specified	0.03	0.00	7.14	0.38	-	-	-	0.00	2.90	-	10.46
<b>OTHER</b>	<b>141.38</b>	<b>1.20</b>	<b>428.37</b>	<b>600.41</b>	-	-	<b>19.30</b>	<b>832.58</b>	<b>838.04</b>	<b>150.43</b>	<b>3011.70</b>
Residential	78.00	0.45	212.16	412.59	-	-	8.80	805.61	405.23	93.66	2016.50
Comm. and publ. services	25.06	0.08	100.91	172.69	-	-	1.79	16.93	345.30	31.94	694.69
Agriculture/forestry	9.96	0.08	95.99	5.99	-	-	0.60	7.23	37.38	3.49	160.73
Fishing	0.01	-	6.19	0.04	-	-	0.03	0.00	0.37	0.06	6.69
Non-specified	28.35	0.58	13.12	9.09	-	-	8.08	2.82	49.76	21.28	133.09
<b>NON-ENERGY USE</b>	<b>36.35</b>	<b>14.31</b>	<b>558.48</b>	<b>139.05</b>	-	-	-	-	-	-	<b>748.18</b>
in industry/transf./energy	36.04	14.31	529.85	139.04	-	-	-	-	-	-	719.24
of which: feedstocks	2.30	13.84	354.90	136.39	-	-	-	-	-	-	507.43
in transport	-	-	10.92	0.00	-	-	-	-	-	-	10.93
in other	0.31	-	17.70	-	-	-	-	-	-	-	18.01
<b>Electricity and Heat Output</b>											
<b>Electr. Generated - GWh</b>	<b>8155899</b>	<b>23149</b>	<b>972393</b>	<b>4370808</b>	<b>2696162</b>	<b>3253217</b>	<b>370051</b>	<b>290351</b>	-	<b>1462</b>	<b>20133492</b>
Electricity plants	7577867	23132	890375	3291601	2675489	3253217	366489	179105	-	823	18258098
CHP plants	578032	17	82018	1079207	20673	-	3562	111246	-	639	1875394
<b>Heat Generated - TJ</b>	<b>4992682</b>	<b>27296</b>	<b>804289</b>	<b>6134781</b>	<b>28114</b>	-	<b>317718</b>	<b>662540</b>	<b>7517</b>	<b>63802</b>	<b>13038739</b>
CHP plants	1914433	216	374106	3204086	21702	-	10277	379991	322	22246	5927379
Heat plants	3078249	27080	430183	2930695	6412	-	307441	282549	7195	41556	7111360

## World

2010

Million tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3596.04	4069.38	-	2719.10	718.96	295.62	112.02	1277.08	-	1.04	12789.25
Imports	640.82	2295.06	1053.71	817.02	-	-	-	10.78	51.38	0.00	4868.77
Exports	-681.28	-2211.55	-1111.80	-826.35	-	-	-	-9.29	-50.74	-0.01	-4891.01
Stock changes	-79.80	6.49	6.16	17.84	-	-	-	-0.54	-	-	-49.86
<b>TPES</b>	<b>3475.77</b>	<b>4159.37</b>	<b>-51.93</b>	<b>2727.61</b>	<b>718.96</b>	<b>295.62</b>	<b>112.02</b>	<b>1278.03</b>	<b>0.64</b>	<b>1.04</b>	<b>12717.16</b>
Transfers	0.00	-156.64	179.33	-	-	-	-	-	-	-	22.69
Statistical differences	-49.50	11.30	-27.05	-1.68	-	-	0.00	-0.40	1.43	-1.24	-67.14
Electricity plants	-1974.84	-34.63	-201.57	-705.47	-715.67	-295.62	-88.61	-63.40	1671.71	-0.37	-2408.47
CHP plants	-161.19	-0.01	-22.50	-304.76	-3.13	-	-1.06	-35.21	171.56	150.84	-205.45
Heat plants	-103.61	-0.81	-12.92	-90.14	-0.15	-	-0.22	-10.42	-0.34	189.23	-29.38
Blast furnaces	-168.50	-	-0.79	-0.11	-	-	-	-	-	-	-169.40
Gas works	-8.80	-	-3.53	2.81	-	-	-	-0.02	-	-	-9.54
Coke/pat.fuel/BKB plants	-51.08	-	-2.40	-0.00	-	-	-	-0.01	-	-	-53.49
Oil refineries	-	-3964.42	3921.30	-0.80	-	-	-	-	-	-	-43.92
Petrochemical plants	-	30.51	-31.35	-	-	-	-	-	-	-	-0.84
Liquefaction plants	-16.20	7.85	-	-7.10	-	-	-	-	-	-	-15.45
Other transformation	0.01	0.13	-0.17	-2.22	-	-	-	-53.14	-	-0.39	-55.77
Energy industry own use	-86.22	-10.10	-210.37	-275.36	-	-	-0.13	-13.27	-156.15	-40.51	-792.10
Losses	-2.70	-8.23	-0.58	-24.63	-	-	-0.14	-0.15	-153.17	-22.67	-12.27
<b>TFC</b>	<b>853.14</b>	<b>34.34</b>	<b>3535.48</b>	<b>1318.16</b>	-	-	<b>21.87</b>	<b>1102.01</b>	<b>1535.69</b>	<b>275.93</b>	<b>8676.63</b>
<b>INDUSTRY</b>	<b>677.86</b>	<b>12.51</b>	<b>310.02</b>	<b>463.87</b>	-	-	<b>0.46</b>	<b>195.83</b>	<b>636.96</b>	<b>125.43</b>	<b>2422.94</b>
Iron and steel	248.74	0.03	11.36	51.71	-	-	0.01	4.16	87.06	17.48	420.54
Chemical and petrochemical	58.37	2.18	47.73	99.18	-	-	0.00	2.30	95.52	45.11	350.39
Non-ferrous metals	14.47	0.00	6.84	16.16	-	-	0.00	0.11	68.40	2.97	108.96
Non-metallic minerals	176.70	0.07	36.98	50.61	-	-	0.00	7.08	40.97	3.01	315.43
Transport equipment	4.67	0.01	3.19	11.35	-	-	0.00	0.01	18.39	4.22	41.83
Machinery	14.34	0.05	10.04	23.24	-	-	0.00	0.17	67.77	6.78	122.39
Mining and quarrying	6.93	-	16.96	15.93	-	-	-	0.06	23.72	2.52	66.11
Food and tobacco	22.70	0.12	26.68	37.22	-	-	0.00	29.92	34.93	11.20	162.78
Paper pulp and printing	21.66	0.01	8.08	26.06	-	-	0.15	53.10	40.87	10.88	160.79
Wood and wood products	2.71	0.01	4.78	3.30	-	-	0.00	11.58	7.89	5.87	36.14
Construction	6.12	0.05	26.92	6.38	-	-	0.00	0.16	8.00	1.78	49.41
Textile and leather	11.18	0.06	5.59	7.14	-	-	0.00	0.23	23.22	7.01	54.44
Non-specified	89.28	9.93	104.85	115.59	-	-	0.30	86.95	120.21	6.60	533.72
<b>TRANSPORT</b>	<b>3.36</b>	<b>0.04</b>	<b>2195.89</b>	<b>89.06</b>	-	-	-	<b>57.56</b>	<b>23.91</b>	-	<b>2369.81</b>
World aviation bunkers	-	-	153.65	-	-	-	-	-	-	-	153.65
Domestic aviation	-	-	96.42	-	-	-	-	-	-	-	96.42
Road	-	0.03	1666.60	28.52	-	-	-	57.53	0.00	-	1752.68
Rail	3.22	-	28.37	-	-	-	-	0.02	18.04	-	49.65
Pipeline transport	-	-	0.43	59.99	-	-	-	-	2.90	-	63.31
World marine bunkers	-	-	200.72	-	-	-	-	-	-	-	200.72
Domestic navigation	0.12	-	43.98	0.05	-	-	-	0.01	-	-	44.16
Non-specified	0.01	0.00	5.73	0.49	-	-	-	0.00	2.97	-	9.21
<b>OTHER</b>	<b>135.96</b>	<b>6.75</b>	<b>435.64</b>	<b>612.83</b>	-	-	<b>21.41</b>	<b>848.62</b>	<b>874.82</b>	<b>150.50</b>	<b>3086.53</b>
Residential	78.65	0.55	210.54	421.08	-	-	9.42	820.70	426.24	105.72	2072.88
Comm. and publ. services	22.94	0.11	102.97	179.56	-	-	2.01	17.76	358.61	31.52	715.47
Agriculture/forestry	10.90	0.09	101.47	6.07	-	-	0.67	7.43	38.98	3.76	169.37
Fishing	0.01	-	6.23	0.02	-	-	0.06	0.00	0.39	0.05	6.77
Non-specified	23.47	6.00	14.43	6.10	-	-	9.25	2.73	50.60	9.45	122.04
<b>NON-ENERGY USE</b>	<b>35.97</b>	<b>15.05</b>	<b>593.93</b>	<b>152.40</b>	-	-	-	-	-	-	<b>797.35</b>
in industry/transf./energy	35.63	15.05	569.93	152.40	-	-	-	-	-	-	773.01
of which: feedstocks	2.44	14.49	362.42	149.75	-	-	-	-	-	-	529.10
in transport	-	-	6.63	0.00	-	-	-	-	-	-	6.63
in other	0.33	-	17.38	-	-	-	-	-	-	-	17.71
<b>Electricity and Heat Output</b>											
<b>Electr. Generated - GWh</b>	<b>8697512</b>	<b>27881</b>	<b>961377</b>	<b>4768076</b>	<b>2756289</b>	<b>3437483</b>	<b>449596</b>	<b>331679</b>	-	<b>1573</b>	<b>21431466</b>
Electricity plants	8091865	27864	891872	3582493	2746188	3437483	446008	211248	-	827	19435848
CHP plants	605647	17	69505	1185583	10101	-	3588	120431	-	746	1995618
<b>Heat Generated - TJ</b>	<b>5706864</b>	<b>26036</b>	<b>751312</b>	<b>6597541</b>	<b>27357</b>	-	<b>346248</b>	<b>761894</b>	<b>7495</b>	<b>60077</b>	<b>14284824</b>
CHP plants	2058353	216	299046	3489955	20944	-	10389	434740	208	24958	6338809
Heat plants	3648511	25820	452266	3107586	6413	-	335859	327154	7287	35119	7946015

OECD Total

Figure 1. Energy production

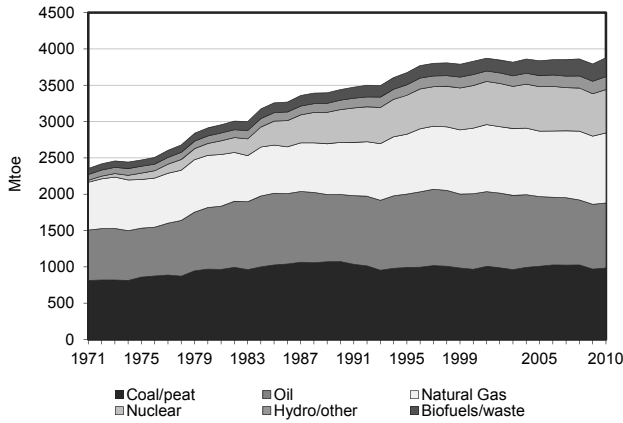


Figure 2. Total primary energy supply\*

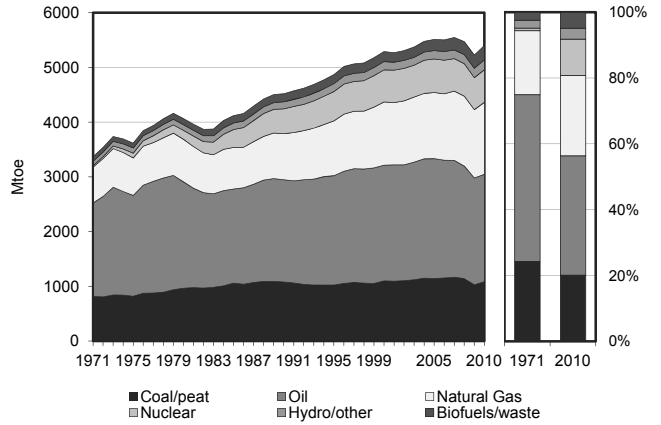


Figure 3. Energy self-sufficiency\*\*

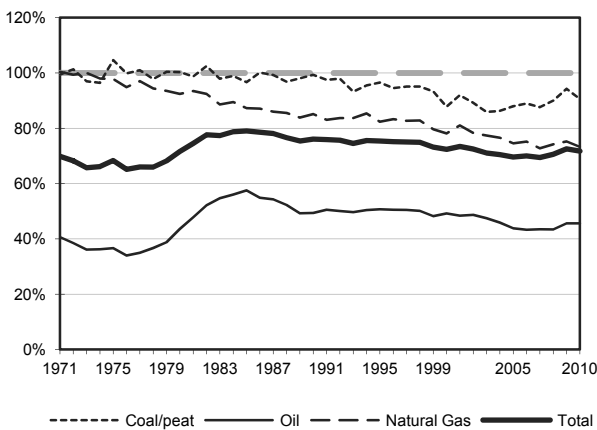


Figure 4. Oil products demand\*\*\*

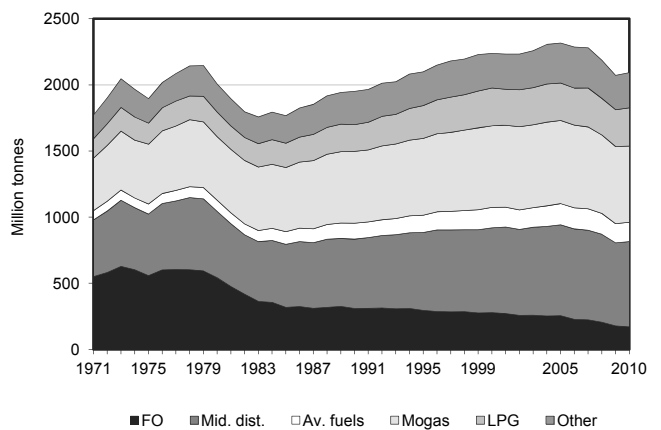


Figure 5. Electricity generation by fuel

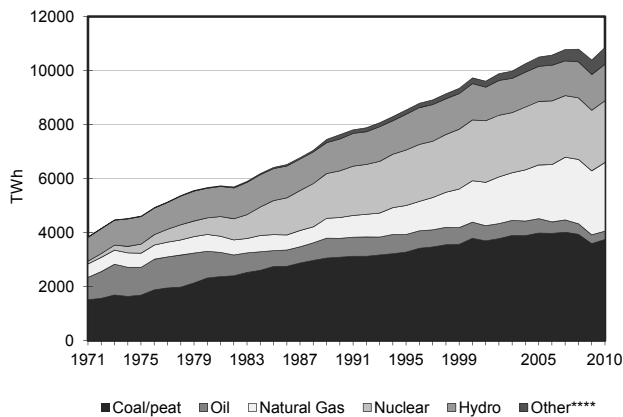
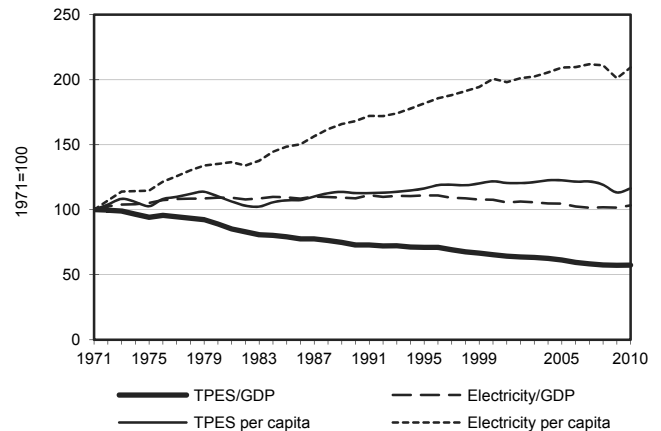


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## OECD Total

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	970.15	890.56	-	939.10	584.44	114.01	56.87	238.23	-	0.55	3793.93
Imports	341.58	1524.99	540.34	596.70	-	-	-	8.18	32.93	0.00	3044.72
Exports	-246.70	-353.17	-476.63	-280.78	-	-	-	-3.83	-32.15	-0.01	-1393.26
Intl. marine bunkers	-	-	-87.99	-	-	-	-	-	-	-	-87.99
Intl. aviation bunkers	-	-	-84.75	-	-	-	-	-	-	-	-84.75
Stock changes	-35.86	1.21	-1.56	-6.38	-	-	-	-0.34	-	-	-42.94
<b>TPES</b>	<b>1029.17</b>	<b>2063.59</b>	<b>-110.59</b>	<b>1248.64</b>	<b>584.44</b>	<b>114.01</b>	<b>56.87</b>	<b>242.25</b>	<b>0.77</b>	<b>0.55</b>	<b>5229.70</b>
Transfers	-	-47.40	59.70	-	-	-	-	-	-	-	12.30
Statistical differences	-7.94	-4.15	-12.62	-3.22	-	-	0.00	0.08	0.55	-0.01	-27.33
Electricity plants	-758.72	-3.18	-55.66	-324.37	-581.76	-114.01	-47.20	-40.21	807.53	-0.15	-1117.73
CHP plants	-80.78	-	-14.74	-102.71	-2.68	-	-1.06	-29.70	86.25	56.81	-88.60
Heat plants	-4.47	-	-1.30	-7.12	-	-	-0.14	-5.09	-0.33	14.84	-3.62
Blast furnaces	-39.60	-	-0.64	-0.07	-	-	-	-	-	-	-40.31
Gas works	-2.03	-	-2.83	3.28	-	-	-	-0.02	-	-	-1.60
Coke/pat.fuel/BKB plants	-7.33	-	-1.07	-0.04	-	-	-	-	-	-	-8.45
Oil refineries	-	-2027.93	2022.21	-0.59	-	-	-	-	-	-	-6.30
Petrochemical plants	-	25.70	-26.15	-	-	-	-	-	-	-	-0.45
Liquefaction plants	-0.71	1.05	-	-1.96	-	-	-	-	-	-	-1.63
Other transformation	0.03	0.14	-0.10	-0.43	-	-	-	-0.40	-	-0.34	-1.10
Energy industry own use	-12.31	-0.08	-118.39	-102.78	-	-	-0.13	-0.21	-65.82	-8.10	-307.82
Losses	-0.76	-	-0.01	-3.31	-	-	-0.14	-0.03	-59.02	-5.08	-68.35
<b>TFC</b>	<b>114.54</b>	<b>7.74</b>	<b>1737.80</b>	<b>705.32</b>	<b>-</b>	<b>-</b>	<b>8.20</b>	<b>166.66</b>	<b>769.93</b>	<b>58.51</b>	<b>3568.70</b>
<b>INDUSTRY</b>	<b>89.76</b>	<b>2.04</b>	<b>112.14</b>	<b>232.92</b>	<b>-</b>	<b>-</b>	<b>0.30</b>	<b>67.50</b>	<b>238.54</b>	<b>24.12</b>	<b>767.32</b>
Iron and steel	32.91	0.00	4.33	21.25	-	-	-	0.15	26.63	0.74	86.02
Chemical and petrochemical	10.30	1.98	24.18	57.21	-	-	0.00	1.41	44.72	11.43	151.24
Non-ferrous metals	1.75	0.00	2.58	11.73	-	-	0.00	0.11	24.49	0.41	41.07
Non-metallic minerals	16.41	0.01	19.45	27.33	-	-	0.00	4.29	13.85	0.18	81.50
Transport equipment	0.18	0.01	1.20	8.55	-	-	0.00	0.01	9.15	0.75	19.85
Machinery	0.33	0.01	3.87	17.84	-	-	0.00	0.09	27.92	0.65	50.72
Mining and quarrying	0.55	-	7.25	10.49	-	-	-	0.04	8.26	0.16	26.74
Food and tobacco	5.52	0.01	8.70	29.72	-	-	0.00	3.68	19.48	1.68	68.80
Paper pulp and printing	6.59	0.01	6.70	22.56	-	-	0.15	42.98	28.76	2.86	110.61
Wood and wood products	0.42	0.00	3.77	2.64	-	-	-	9.89	4.49	0.73	21.94
Construction	2.25	-	9.95	2.25	-	-	0.00	0.13	1.91	0.06	16.56
Textile and leather	0.40	0.01	1.19	5.78	-	-	0.00	0.08	6.24	0.99	14.69
Non-specified	12.15	0.01	18.96	15.57	-	-	0.14	4.64	22.65	3.47	77.59
<b>TRANSPORT</b>	<b>0.14</b>	<b>0.03</b>	<b>1101.90</b>	<b>20.83</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35.22</b>	<b>9.26</b>	<b>-</b>	<b>1167.37</b>
Domestic aviation	-	-	66.37	-	-	-	-	-	-	-	66.37
Road	-	0.03	1000.40	2.66	-	-	-	35.20	0.00	-	1038.29
Rail	0.01	-	14.06	-	-	-	-	0.01	7.59	-	21.67
Pipeline transport	-	-	0.02	18.02	-	-	-	-	0.40	-	18.44
Domestic navigation	0.13	-	19.90	0.05	-	-	-	0.00	-	-	20.08
Non-specified	0.00	-	1.16	0.10	-	-	-	0.00	1.27	-	2.52
<b>OTHER</b>	<b>22.16</b>	<b>0.60</b>	<b>209.81</b>	<b>423.47</b>	<b>-</b>	<b>-</b>	<b>7.91</b>	<b>63.95</b>	<b>522.13</b>	<b>34.40</b>	<b>1284.42</b>
Residential	16.10	0.45	96.34	265.26	-	-	6.70	57.06	248.35	19.70	709.98
Comm. and publ. services	4.66	0.08	63.09	147.13	-	-	0.73	4.71	250.80	10.38	481.59
Agriculture/forestry	1.16	0.07	41.79	4.04	-	-	0.16	2.14	7.73	0.28	57.36
Fishing	0.01	-	4.39	0.01	-	-	0.03	-	0.24	0.02	4.70
Non-specified	0.23	-	4.19	7.03	-	-	0.28	0.04	15.01	4.01	30.79
<b>NON-ENERGY USE</b>	<b>2.47</b>	<b>5.07</b>	<b>313.95</b>	<b>28.10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>349.60</b>
in industry/transf./energy	2.31	5.07	306.33	28.10	-	-	-	-	-	-	341.81
of which: feedstocks	0.85	5.07	221.01	27.06	-	-	-	-	-	-	253.98
in transport	-	-	4.05	-	-	-	-	-	-	-	4.05
in other	0.16	-	3.58	-	-	-	-	-	-	-	3.74
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3593599</b>	<b>15321</b>	<b>309240</b>	<b>2370962</b>	<b>2242140</b>	<b>1325719</b>	<b>294135</b>	<b>241129</b>	<b>-</b>	<b>546</b>	<b>10392791</b>
Electricity plants	3290423	15321	252030	1849094	2232319	1325719	290573	133842	-	193	9389514
CHP plants	303176	-	57210	521868	9821	-	3562	107287	-	353	1003277
<b>Heat generated - TJ</b>	<b>852539</b>	<b>-</b>	<b>269968</b>	<b>1329150</b>	<b>5060</b>	<b>-</b>	<b>16146</b>	<b>496967</b>	<b>7494</b>	<b>46119</b>	<b>3023443</b>
CHP plants	713659	-	234112	1079600	5060	-	10277	334405	322	14590	2392025
Heat plants	138880	-	35856	249550	-	-	5869	162562	7172	31529	631418

## OECD Total

2010

Million tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	984.22	894.85	-	965.11	596.49	116.21	63.17	258.50	-	0.66	3879.21
Imports	369.05	1536.81	563.98	636.80	-	-	-	10.12	33.18	0.00	3149.95
Exports	-285.96	-354.29	-501.46	-299.24	-	-	-	-5.18	-32.25	-0.01	-1478.38
Intl. marine bunkers	-	-	-90.21	-	-	-	-	-	-	-	-90.21
Intl. aviation bunkers	-	-	-85.88	-	-	-	-	-	-	-	-85.88
Stock changes	19.06	-3.63	1.29	14.30	-	-	-	0.16	-	-	31.17
<b>TPES</b>	<b>1086.37</b>	<b>2073.74</b>	<b>-112.28</b>	<b>1316.96</b>	<b>596.49</b>	<b>116.21</b>	<b>63.17</b>	<b>263.60</b>	<b>0.94</b>	<b>0.65</b>	<b>5405.87</b>
Transfers	-	-49.66	63.27	-	-	-	-	-	-	-	13.61
Statistical differences	-8.20	-5.59	-6.55	1.43	-	-	0.00	-0.03	-0.09	-0.10	-19.14
Electricity plants	-785.14	-4.13	-50.42	-349.41	-593.73	-116.21	-52.99	-43.97	840.75	-0.22	-1155.47
CHP plants	-85.22	-	-15.40	-112.85	-2.76	-	-1.06	-32.56	92.73	60.42	-96.70
Heat plants	-5.14	-	-1.46	-8.35	-	-	-0.17	-5.79	-0.34	16.86	-4.40
Blast furnaces	-49.07	-	-0.79	-0.11	-	-	-	-	-	-	-49.97
Gas works	-2.04	-	-2.99	3.47	-	-	-	-0.02	-	-	-1.59
Coke/pat.fuel/BKB plants	-7.76	-	-1.19	-0.00	-	-	-	-0.00	-	-	-8.95
Oil refineries	-	-2033.89	2030.82	-0.80	-	-	-	-	-	-	-3.87
Petrochemical plants	-	26.84	-27.33	-	-	-	-	-	-	-	-0.49
Liquefaction plants	-0.79	1.30	-	-1.93	-	-	-	-	-	-	-1.43
Other transformation	0.02	0.13	-0.08	-0.49	-	-	-	-0.30	-	-0.39	-1.12
Energy industry own use	-14.09	-0.10	-117.47	-107.12	-	-	-0.13	-0.26	-68.05	-8.71	-315.93
Losses	-0.94	-	-0.01	-3.84	-	-	-0.14	-0.03	-59.07	-5.27	-69.31
<b>TFC</b>	<b>128.00</b>	<b>8.65</b>	<b>1758.12</b>	<b>736.95</b>	<b>-</b>	<b>-</b>	<b>8.69</b>	<b>180.62</b>	<b>806.87</b>	<b>63.22</b>	<b>3691.11</b>
<b>INDUSTRY</b>	<b>102.11</b>	<b>2.21</b>	<b>113.47</b>	<b>255.25</b>	<b>-</b>	<b>-</b>	<b>0.30</b>	<b>72.09</b>	<b>259.35</b>	<b>24.01</b>	<b>828.80</b>
Iron and steel	40.29	0.00	4.68	23.59	-	-	0.01	0.05	29.58	0.59	98.79
Chemical and petrochemical	11.28	2.14	24.22	63.03	-	-	0.00	1.90	49.05	11.08	162.69
Non-ferrous metals	1.72	0.00	2.88	12.11	-	-	0.00	0.10	25.93	0.35	43.09
Non-metallic minerals	17.11	0.01	19.00	28.89	-	-	0.00	4.51	14.72	0.20	84.43
Transport equipment	0.17	0.01	1.29	9.30	-	-	0.00	0.01	10.07	0.89	21.74
Machinery	0.35	0.01	4.01	19.18	-	-	0.00	0.15	32.66	0.93	57.29
Mining and quarrying	0.59	-	7.95	12.76	-	-	-	0.04	9.08	0.20	30.61
Food and tobacco	6.23	0.01	8.41	32.00	-	-	0.00	3.91	20.43	1.53	72.52
Paper pulp and printing	6.70	0.01	6.36	24.21	-	-	0.15	45.58	30.39	2.96	116.36
Wood and wood products	0.42	0.01	4.17	2.79	-	-	-	10.89	4.79	0.75	23.81
Construction	2.33	-	10.09	2.63	-	-	0.00	0.14	2.02	0.05	17.25
Textile and leather	0.42	0.01	1.09	6.13	-	-	0.00	0.10	6.74	0.80	15.29
Non-specified	14.51	0.01	19.31	18.63	-	-	0.15	4.72	23.91	3.68	84.91
<b>TRANSPORT</b>	<b>0.14</b>	<b>0.03</b>	<b>1107.23</b>	<b>22.67</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40.28</b>	<b>9.33</b>	<b>-</b>	<b>1179.69</b>
Domestic aviation	-	-	67.10	-	-	-	-	-	-	-	67.10
Road	-	0.03	1005.31	3.25	-	-	-	40.26	0.00	-	1048.85
Rail	0.01	-	14.98	-	-	-	-	0.02	7.65	-	22.66
Pipeline transport	-	-	0.01	19.28	-	-	-	-	0.38	-	19.67
Domestic navigation	0.12	-	18.65	0.05	-	-	-	0.00	-	-	18.82
Non-specified	0.00	-	1.19	0.10	-	-	-	0.00	1.31	-	2.59
<b>OTHER</b>	<b>23.57</b>	<b>0.73</b>	<b>210.10</b>	<b>429.06</b>	<b>-</b>	<b>-</b>	<b>8.39</b>	<b>68.25</b>	<b>538.18</b>	<b>39.20</b>	<b>1317.48</b>
Residential	18.11	0.55	96.00	269.23	-	-	7.16	61.00	259.75	22.18	733.98
Comm. and publ. services	3.87	0.10	61.61	151.55	-	-	0.88	4.84	256.21	11.92	490.97
Agriculture/forestry	1.38	0.08	43.67	4.32	-	-	0.19	2.38	7.74	0.26	60.03
Fishing	0.00	-	4.56	0.01	-	-	0.06	-	0.25	0.02	4.90
Non-specified	0.19	-	4.26	3.96	-	-	0.09	0.04	14.24	4.83	27.61
<b>NON-ENERGY USE</b>	<b>2.19</b>	<b>5.67</b>	<b>327.31</b>	<b>29.97</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>365.14</b>
in industry/transf./energy	2.00	5.67	319.14	29.97	-	-	-	-	-	-	356.78
of which: feedstocks	0.91	5.67	231.46	28.87	-	-	-	-	-	-	266.92
in transport	-	-	4.20	-	-	-	-	-	-	-	4.20
in other	0.19	-	3.97	-	-	-	-	-	-	-	4.16
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3746497</b>	<b>20177</b>	<b>288786</b>	<b>2544099</b>	<b>2288372</b>	<b>1351283</b>	<b>350735</b>	<b>263543</b>	<b>-</b>	<b>877</b>	<b>10854369</b>
Electricity plants	3425926	20177	233046	1971885	2278271	1351283	347147	147518	-	395	9775648
CHP plants	320571	-	55740	572214	10101	-	3588	116025	-	482	1078721
<b>Heat generated - TJ</b>	<b>924412</b>	<b>-</b>	<b>266544</b>	<b>1430638</b>	<b>5368</b>	<b>-</b>	<b>17043</b>	<b>568173</b>	<b>7477</b>	<b>43794</b>	<b>3263449</b>
CHP plants	753898	-	225067	1145310	5368	-	10389	386942	208	17327	2544509
Heat plants	170514	-	41477	285328	-	-	6654	181231	7269	26467	718940

### Non-OECD Total

Figure 1. Energy production

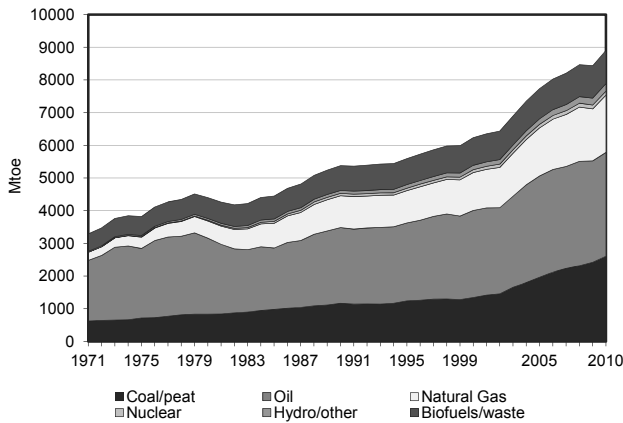


Figure 2. Total primary energy supply\*

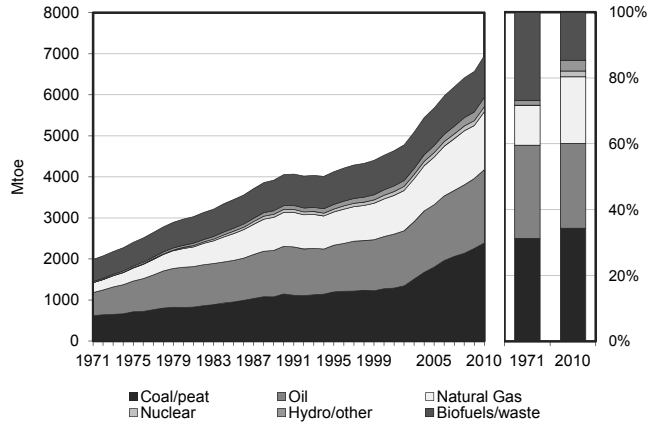


Figure 3. Energy self-sufficiency\*\*

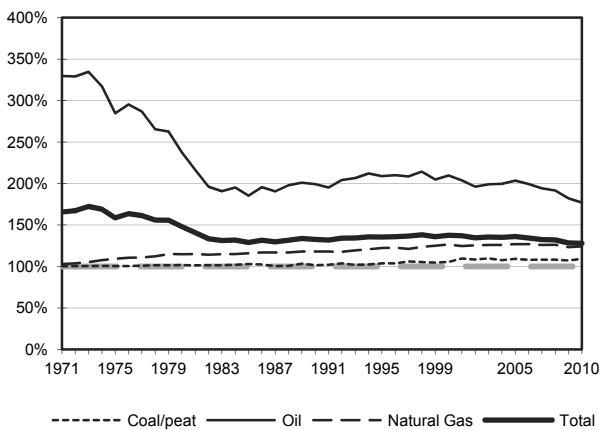


Figure 4. Oil products demand\*\*\*

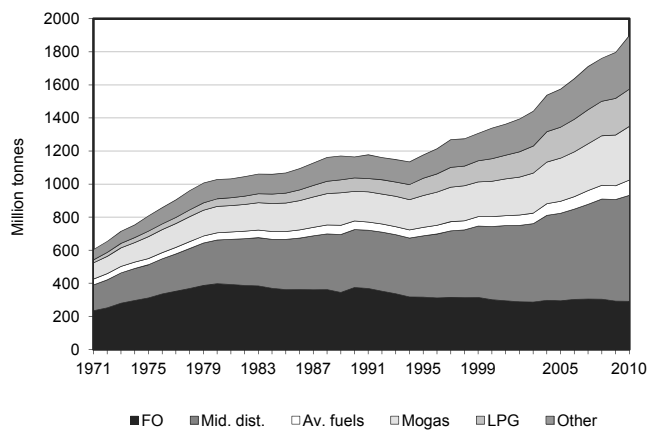


Figure 5. Electricity generation by fuel

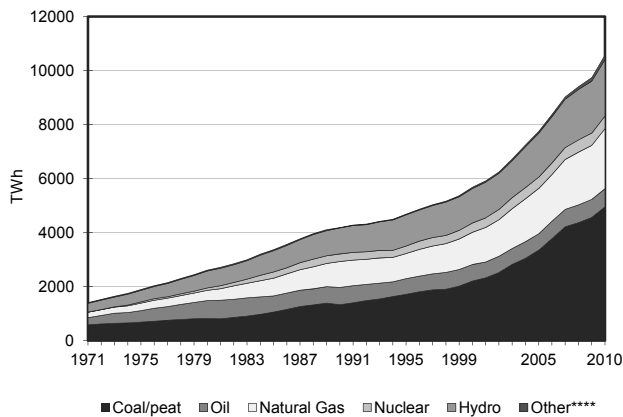
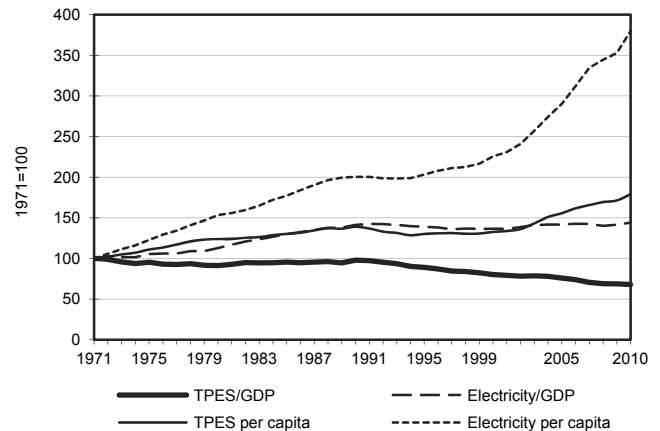


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.



## Non-OECD Total

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2424.27	3102.57	-	1589.66	118.87	165.76	45.37	991.26	-	0.42	8438.19
Imports	238.88	742.02	445.84	158.44	-	-	-	0.43	17.99	-	1603.60
Exports	-338.96	-1818.24	-597.81	-457.03	-	-	-	-4.56	-18.16	-	-3234.76
Intl. marine bunkers	-	-	-98.29	-	-	-	-	-	-	-	-98.29
Intl. aviation bunkers	-	-	-61.39	-	-	-	-	-	-	-	-61.39
Stock changes	-63.37	-10.64	0.15	-0.90	-	-	-	0.81	-	-	-73.95
<b>TPES</b>	<b>2260.82</b>	<b>2015.72</b>	<b>-311.52</b>	<b>1290.17</b>	<b>118.87</b>	<b>165.76</b>	<b>45.37</b>	<b>987.94</b>	<b>-0.17</b>	<b>0.42</b>	<b>6573.39</b>
Transfers	-	-102.37	110.23	-	-	-	-	-	-	-	7.86
Statistical differences	-0.47	9.84	-7.30	2.97	-	-	0.00	-0.05	0.11	0.02	5.13
Electricity plants	-1112.80	-26.98	-147.72	-319.25	-115.49	-165.76	-33.79	-14.46	762.74	-0.21	-1173.72
CHP plants	-84.87	-0.01	-9.41	-175.84	-3.23	-	-	-2.32	74.98	84.24	-116.46
Heat plants	-92.22	-0.76	-11.03	-75.25	-0.15	-	-0.05	-3.61	-0.00	154.50	-28.56
Blast furnaces	-112.09	-	-	-	-	-	-	-	-	-	-112.09
Gas works	-8.29	-	-0.52	-0.59	-	-	-	-	-	-	-9.40
Coke/pat.fuel/BKB plants	-43.04	-0.00	-0.65	-	-	-	-	-0.00	-	-	-43.69
Oil refineries	-	-1869.78	1828.84	-	-	-	-	-	-	-	-40.94
Petrochemical plants	-	3.70	-4.24	-	-	-	-	-	-	-	-0.54
Liquefaction plants	-17.18	5.37	-	-4.75	-	-	-	-	-	-	-16.56
Other transformation	-0.04	-	-0.26	-1.42	-	-	-	-51.02	-	-	-52.73
Energy industry own use	-68.13	-9.92	-90.20	-157.71	-	-	-0.00	-12.73	-81.47	-28.50	-448.65
Losses	-1.12	-6.02	-0.62	-15.46	-	-	-0.00	-0.12	-90.10	-14.17	-127.60
<b>TFC</b>	<b>720.58</b>	<b>18.78</b>	<b>1355.62</b>	<b>542.89</b>	<b>-</b>	<b>-</b>	<b>11.53</b>	<b>903.62</b>	<b>666.09</b>	<b>196.32</b>	<b>4415.43</b>
<b>INDUSTRY</b>	<b>564.24</b>	<b>8.94</b>	<b>188.79</b>	<b>198.14</b>	<b>-</b>	<b>-</b>	<b>0.14</b>	<b>119.13</b>	<b>336.64</b>	<b>80.28</b>	<b>1496.30</b>
Iron and steel	188.49	0.01	7.14	25.38	-	-	-	3.35	50.79	13.78	288.96
Chemical and petrochemical	48.80	0.02	23.40	33.72	-	-	-	0.44	42.55	26.81	175.74
Non-ferrous metals	12.73	-	3.65	3.74	-	-	-	0.01	37.21	1.89	59.23
Non-metallic minerals	162.21	0.01	16.68	21.01	-	-	-	2.32	23.15	2.40	227.78
Transport equipment	4.21	0.00	1.70	1.79	-	-	-	0.00	6.38	2.99	17.08
Machinery	14.17	0.01	6.03	3.34	-	-	-	0.01	28.95	4.73	57.25
Mining and quarrying	7.16	-	8.52	2.43	-	-	-	0.01	13.46	1.76	33.34
Food and tobacco	16.51	0.04	17.02	4.66	-	-	-	25.12	12.82	8.81	84.99
Paper pulp and printing	14.68	-	1.77	1.49	-	-	-	6.99	9.18	6.83	40.95
Wood and wood products	2.34	0.00	0.49	0.44	-	-	-	0.64	2.78	1.32	8.01
Construction	3.38	0.02	20.21	3.31	-	-	-	0.02	5.42	1.23	33.58
Textile and leather	11.45	0.02	4.31	0.95	-	-	0.00	0.13	14.47	5.41	36.73
Non-specified	78.11	8.81	77.86	95.89	-	-	0.14	80.08	89.47	2.31	432.67
<b>TRANSPORT</b>	<b>3.24</b>	<b>0.00</b>	<b>703.75</b>	<b>56.86</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15.86</b>	<b>13.55</b>	<b>-</b>	<b>793.27</b>
Domestic aviation	-	-	25.68	-	-	-	-	-	-	-	25.68
Road	-	-	634.36	21.07	-	-	-	15.86	0.00	-	671.29
Rail	3.22	-	13.34	-	-	-	-	0.00	9.61	-	26.18
Pipeline transport	-	-	0.32	35.51	-	-	-	-	2.29	-	38.12
Domestic navigation	-	-	24.06	-	-	-	-	-	-	-	24.06
Non-specified	0.02	0.00	5.98	0.28	-	-	-	0.00	1.64	-	7.93
<b>OTHER</b>	<b>119.22</b>	<b>0.60</b>	<b>218.56</b>	<b>176.93</b>	<b>-</b>	<b>-</b>	<b>11.39</b>	<b>768.63</b>	<b>315.91</b>	<b>116.04</b>	<b>1727.28</b>
Residential	61.90	-	115.82	147.33	-	-	2.09	748.54	156.88	73.96	1306.52
Comm. and publ. services	20.40	0.00	37.82	25.55	-	-	1.06	12.22	94.50	21.56	213.10
Agriculture/forestry	8.80	0.01	54.21	1.96	-	-	0.44	5.09	29.65	3.21	103.37
Fishing	0.00	-	1.79	0.03	-	-	-	0.00	0.12	0.04	1.99
Non-specified	28.13	0.58	8.92	2.06	-	-	7.80	2.78	34.75	17.27	102.30
<b>NON-ENERGY USE</b>	<b>33.88</b>	<b>9.24</b>	<b>244.52</b>	<b>110.94</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>398.58</b>
in industry/transf./energy	33.73	9.24	223.52	110.94	-	-	-	-	-	-	377.43
of which: feedstocks	1.45	8.77	133.90	109.33	-	-	-	-	-	-	253.44
in transport	-	-	6.88	0.00	-	-	-	-	-	-	6.88
in other	0.14	-	14.12	-	-	-	-	-	-	-	14.27
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>4562300</b>	<b>7828</b>	<b>663153</b>	<b>1999846</b>	<b>454022</b>	<b>1927498</b>	<b>75916</b>	<b>49222</b>	<b>-</b>	<b>916</b>	<b>9740701</b>
Electricity plants	4287444	7811	638345	1442507	443170	1927498	75916	45263	-	630	8868584
CHP plants	274856	17	24808	557339	10852	-	-	3959	-	286	872117
<b>Heat generated - TJ</b>	<b>4140143</b>	<b>27296</b>	<b>534321</b>	<b>4805631</b>	<b>23054</b>	<b>-</b>	<b>301572</b>	<b>165573</b>	<b>23</b>	<b>17683</b>	<b>10015296</b>
CHP plants	1200774	216	139994	2124486	16642	-	-	45586	-	7656	3535354
Heat plants	2939369	27080	394327	2681145	6412	-	301572	119987	23	10027	6479942

## Non-OECD Total

2010

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2611.82	3174.53	-	1753.99	122.47	179.41	48.85	1018.58	-	0.39	8910.04
Imports	271.77	758.25	489.73	180.22	-	-	-	0.66	18.19	-	1718.82
Exports	-395.33	-1857.27	-610.33	-627.11	-	-	-	-4.11	-18.49	-	-3412.63
Intl. marine bunkers	-	-	-110.51	-	-	-	-	-	-	-	-110.51
Intl. aviation bunkers	-	-	-67.77	-	-	-	-	-	-	-	-67.77
Stock changes	-98.87	10.12	4.87	3.55	-	-	-	-0.70	-	-	-81.03
<b>TPES</b>	<b>2389.40</b>	<b>2085.64</b>	<b>-294.02</b>	<b>1410.65</b>	<b>122.47</b>	<b>179.41</b>	<b>48.85</b>	<b>1014.43</b>	<b>-0.30</b>	<b>0.39</b>	<b>6956.92</b>
Transfers	0.00	-106.98	116.06	-	-	-	-	-	-	-	9.08
Statistical differences	-41.31	16.89	-20.49	-3.11	-	-	-	-0.36	1.53	-1.14	-48.00
Electricity plants	-1189.70	-30.49	-151.15	-356.07	-121.94	-179.41	-35.62	-19.43	830.96	-0.15	-1253.00
CHP plants	-75.97	-0.01	-7.10	-191.91	-0.37	-	-	-2.64	78.83	90.43	-108.75
Heat plants	-98.47	-0.81	-11.46	-81.79	-0.15	-	-0.05	-4.63	-0.00	172.38	-24.98
Blast furnaces	-119.44	-	-	-	-	-	-	-	-	-	-119.44
Gas works	-6.76	-	-0.53	-0.65	-	-	-	-	-	-	-7.94
Coke/pat.fuel/BKB plants	-43.32	-	-1.21	-	-	-	-	-0.01	-	-	-44.54
Oil refineries	-	-1930.53	1890.48	-	-	-	-	-	-	-	-40.06
Petrochemical plants	-	3.67	-4.02	-	-	-	-	-	-	-	-0.35
Liquefaction plants	-15.41	6.55	-	-5.16	-	-	-	-	-	-	-14.02
Other transformation	-0.01	-	-0.09	-1.73	-	-	-	-52.83	-	-	-54.65
Energy industry own use	-72.13	-10.00	-92.89	-168.23	-	-	-0.00	-13.01	-88.10	-31.79	-476.16
Losses	-1.75	-8.23	-0.57	-20.79	-	-	-0.00	-0.12	-94.10	-17.40	-142.96
<b>TFC</b>	<b>725.14</b>	<b>25.69</b>	<b>1423.00</b>	<b>581.21</b>	<b>-</b>	<b>-</b>	<b>13.18</b>	<b>921.39</b>	<b>728.82</b>	<b>212.71</b>	<b>4631.14</b>
<b>INDUSTRY</b>	<b>575.75</b>	<b>10.29</b>	<b>196.55</b>	<b>208.62</b>	<b>-</b>	<b>-</b>	<b>0.16</b>	<b>123.74</b>	<b>377.61</b>	<b>101.41</b>	<b>1594.13</b>
Iron and steel	208.44	0.03	6.68	28.12	-	-	-	4.11	57.48	16.89	321.75
Chemical and petrochemical	47.10	0.04	23.51	36.15	-	-	-	0.40	46.48	34.03	187.70
Non-ferrous metals	12.74	-	3.97	4.05	-	-	-	0.01	42.47	2.63	65.86
Non-metallic minerals	159.59	0.06	17.98	21.72	-	-	-	2.57	26.26	2.81	231.00
Transport equipment	4.49	-	1.89	2.05	-	-	-	0.00	8.32	3.32	20.08
Machinery	14.00	0.04	6.03	4.05	-	-	-	0.02	35.11	5.85	65.09
Mining and quarrying	6.34	-	9.01	3.17	-	-	-	0.02	14.64	2.32	35.50
Food and tobacco	16.47	0.11	18.27	5.22	-	-	-	26.02	14.50	9.67	90.26
Paper pulp and printing	14.96	-	1.72	1.85	-	-	-	7.52	10.49	7.91	44.44
Wood and wood products	2.29	0.00	0.61	0.51	-	-	0.00	0.69	3.10	5.12	12.33
Construction	3.79	0.05	16.83	3.76	-	-	0.00	0.02	5.98	1.72	32.16
Textile and leather	10.76	0.05	4.50	1.02	-	-	-	0.13	16.47	6.21	39.15
Non-specified	74.77	9.92	85.54	96.96	-	-	0.15	82.23	96.30	2.92	448.81
<b>TRANSPORT</b>	<b>3.22</b>	<b>0.00</b>	<b>734.29</b>	<b>66.38</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17.28</b>	<b>14.58</b>	<b>-</b>	<b>835.75</b>
Domestic aviation	-	-	29.32	-	-	-	-	-	-	-	29.32
Road	-	-	661.28	25.28	-	-	-	17.28	0.00	-	703.84
Rail	3.21	-	13.39	-	-	-	-	0.00	10.39	-	26.99
Pipeline transport	-	-	0.42	40.71	-	-	-	-	2.52	-	43.64
Domestic navigation	0.00	-	25.33	-	-	-	-	0.00	-	-	25.34
Non-specified	0.01	0.00	4.54	0.40	-	-	-	-	1.67	-	6.62
<b>OTHER</b>	<b>112.39</b>	<b>6.02</b>	<b>225.54</b>	<b>183.77</b>	<b>-</b>	<b>-</b>	<b>13.03</b>	<b>780.37</b>	<b>336.63</b>	<b>111.30</b>	<b>1769.05</b>
Residential	60.53	-	114.54	151.85	-	-	2.26	759.70	166.49	83.53	1338.91
Comm. and publ. services	19.06	0.01	41.36	28.01	-	-	1.14	12.92	102.40	19.61	224.50
Agriculture/forestry	9.51	0.01	57.80	1.75	-	-	0.48	5.05	31.24	3.51	109.34
Fishing	0.01	-	1.67	0.01	-	-	-	0.00	0.14	0.03	1.87
Non-specified	23.28	6.00	10.18	2.15	-	-	9.15	2.70	36.36	4.62	94.43
<b>NON-ENERGY USE</b>	<b>33.78</b>	<b>9.38</b>	<b>266.62</b>	<b>122.43</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>432.21</b>
in industry/transf./energy	33.63	9.38	250.79	122.43	-	-	-	-	-	-	416.23
of which: feedstocks	1.53	8.82	130.96	120.88	-	-	-	-	-	-	262.18
in transport	-	-	2.43	0.00	-	-	-	-	-	-	2.43
in other	0.14	-	13.41	-	-	-	-	-	-	-	13.55
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>4951015</b>	<b>7704</b>	<b>672591</b>	<b>2223977</b>	<b>467917</b>	<b>2086200</b>	<b>98861</b>	<b>68136</b>	<b>-</b>	<b>696</b>	<b>10577097</b>
Electricity plants	4665939	7687	658826	1610608	467917	2086200	98861	63730	-	432	9660200
CHP plants	285076	17	13765	613369	-	-	-	4406	-	264	916897
<b>Heat generated - TJ</b>	<b>4782452</b>	<b>26036</b>	<b>484768</b>	<b>5166903</b>	<b>21989</b>	<b>-</b>	<b>329205</b>	<b>193721</b>	<b>18</b>	<b>16283</b>	<b>11021375</b>
CHP plants	1304455	216	73979	2344645	15576	-	-	47798	-	7631	3794300
Heat plants	3477997	25820	410789	2822258	6413	-	329205	145923	18	8652	7227075

Africa

Figure 1. Energy production

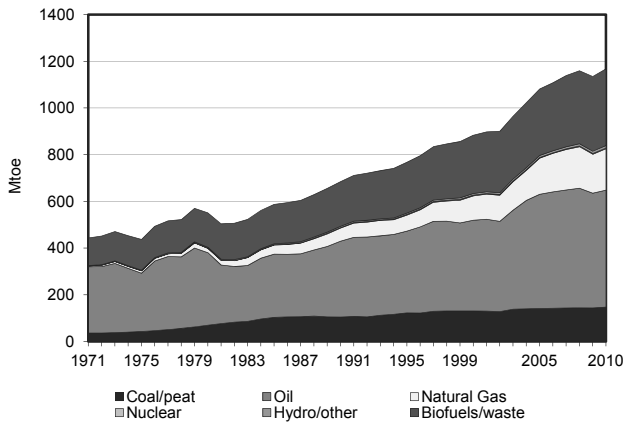


Figure 2. Total primary energy supply\*

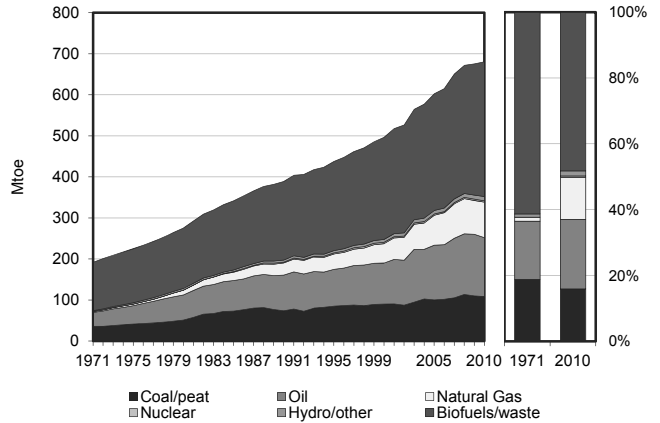


Figure 3. Energy self-sufficiency\*\*

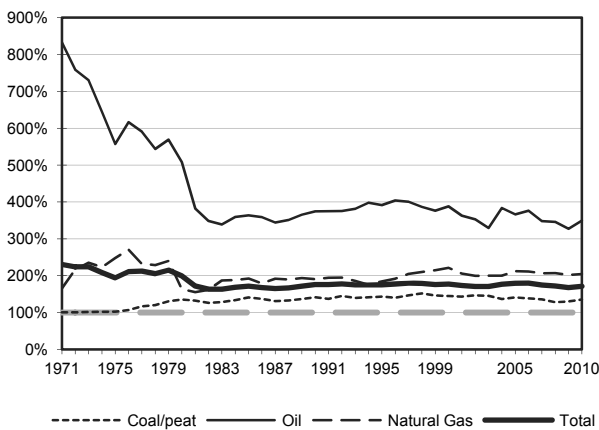


Figure 4. Oil products demand\*\*\*

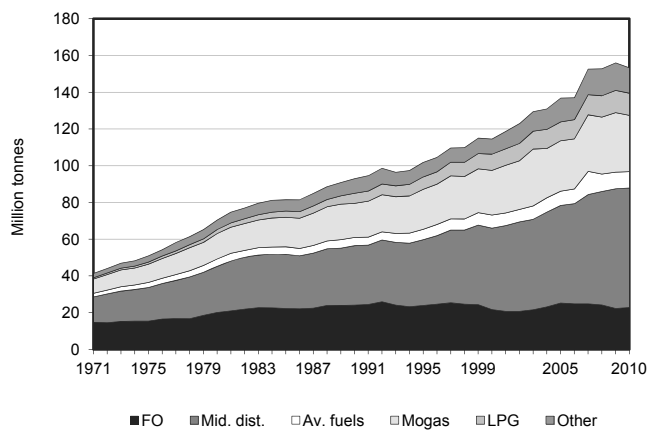


Figure 5. Electricity generation by fuel

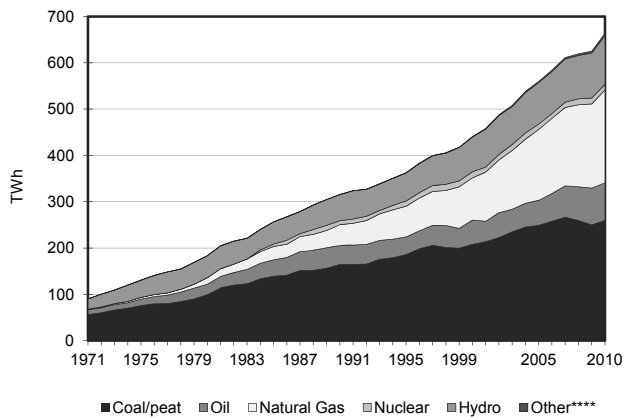
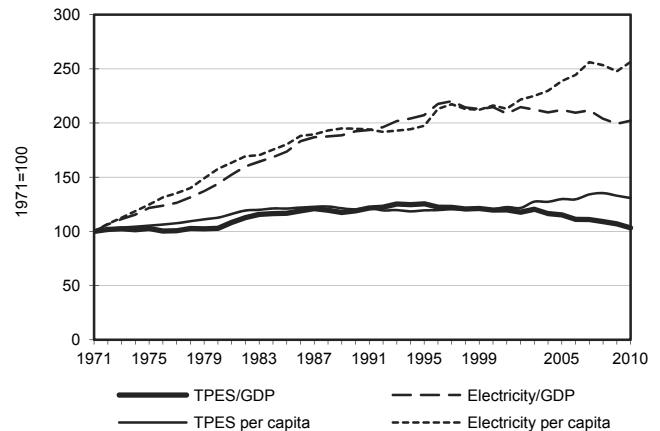


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Africa

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	143.84	491.61	-	166.70	3.34	8.38	1.39	319.98	-	0.01	1135.24
Imports	6.59	41.63	63.61	4.28	-	-	-	0.00	4.00	-	120.12
Exports	-35.58	-393.70	-39.85	-88.65	-	-	-	-0.29	-2.67	-	-560.74
Intl. marine bunkers	-	-	-5.19	-	-	-	-	-	-	-	-5.19
Intl. aviation bunkers	-	-	-6.90	-	-	-	-	-	-	-	-6.90
Stock changes	-4.58	-4.07	3.07	-	-	-	-	-	-	-	-5.58
<b>TPES</b>	<b>110.27</b>	<b>135.47</b>	<b>14.74</b>	<b>82.33</b>	<b>3.34</b>	<b>8.38</b>	<b>1.39</b>	<b>319.69</b>	<b>1.33</b>	<b>0.01</b>	<b>676.95</b>
Electricity and CHP plants	-62.45	-0.55	-19.25	-41.19	-3.34	-8.38	-1.33	-0.31	53.80	-0.01	-83.01
Oil refineries	-	-118.36	114.17	-	-	-	-	-	-	-	-4.19
Other transformation*	-27.08	-16.45	14.56	-15.04	-	-	-	-34.83	-9.79	-	-88.62
<b>TFC</b>	<b>20.74</b>	<b>0.12</b>	<b>124.21</b>	<b>26.11</b>	<b>-</b>	<b>-</b>	<b>0.06</b>	<b>284.55</b>	<b>45.35</b>	<b>-</b>	<b>501.13</b>
<b>INDUSTRY</b>	<b>11.68</b>	<b>0.12</b>	<b>12.17</b>	<b>11.01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>27.59</b>	<b>19.45</b>	<b>-</b>	<b>82.01</b>
Iron and steel	3.91	-	-	0.37	-	-	-	-	0.47	-	4.75
Chemical and petrochemical	0.98	-	-	0.55	-	-	-	-	1.10	-	2.63
Non-metallic minerals	2.52	-	1.14	0.14	-	-	-	0.00	0.63	-	4.43
Other/non-specified	4.27	0.12	11.02	9.94	-	-	-	27.59	17.25	-	70.19
<b>TRANSPORT</b>	<b>0.00</b>	<b>-</b>	<b>77.26</b>	<b>1.93</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.47</b>	<b>-</b>	<b>79.67</b>
Domestic aviation	-	-	2.62	-	-	-	-	-	-	-	2.62
Road	-	-	73.53	0.36	-	-	-	-	0.00	-	73.89
Other/non-specified	0.00	-	1.10	1.57	-	-	-	-	0.47	-	3.15
<b>OTHER</b>	<b>7.82</b>	<b>-</b>	<b>24.71</b>	<b>5.69</b>	<b>-</b>	<b>-</b>	<b>0.06</b>	<b>256.95</b>	<b>25.42</b>	<b>-</b>	<b>320.66</b>
Residential	4.93	-	14.32	4.76	-	-	0.00	251.44	13.62	-	289.07
Comm. and public services	2.51	-	2.08	0.12	-	-	-	3.41	6.89	-	15.01
Agriculture/forestry	0.16	-	6.11	0.03	-	-	-	1.36	1.61	-	9.26
Other/non-specified	0.22	-	2.21	0.78	-	-	0.06	0.74	3.29	-	7.31
<b>NON-ENERGY USE</b>	<b>1.24</b>	<b>-</b>	<b>10.07</b>	<b>7.48</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18.79</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	250161	-	79518	181601	12806	97393	3160	831	-	47	625517
Heat generated - TJ	-	-	-	-	-	-	-	-	-	513	513

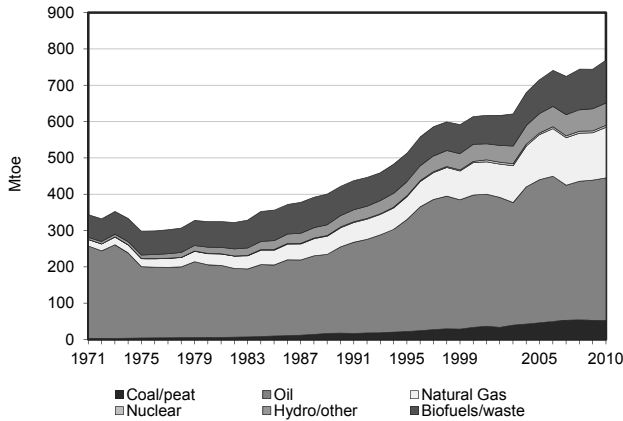
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	147.08	501.21	-	177.46	3.15	9.07	1.54	328.37	-	0.01	1167.89
Imports	6.67	36.72	64.76	4.66	-	-	-	0.00	4.04	-	116.84
Exports	-45.24	-398.97	-41.80	-95.37	-	-	-	-0.29	-2.80	-	-584.47
Intl. marine bunkers	-	-	-5.53	-	-	-	-	-	-	-	-5.53
Intl. aviation bunkers	-	-	-6.73	-	-	-	-	-	-	-	-6.73
Stock changes	-0.00	-5.20	-0.95	-	-	-	-	-	-	-	-6.16
<b>TPES</b>	<b>108.50</b>	<b>133.75</b>	<b>9.75</b>	<b>86.75</b>	<b>3.15</b>	<b>9.07</b>	<b>1.54</b>	<b>328.08</b>	<b>1.24</b>	<b>0.01</b>	<b>681.84</b>
Electricity and CHP plants	-66.30	-0.71	-19.26	-44.13	-3.15	-9.07	-1.48	-0.31	57.28	-0.01	-87.14
Oil refineries	-	-122.52	118.61	-	-	-	-	-	-	-	-3.91
Other transformation*	-26.40	-10.39	11.88	-15.87	-	-	-	-36.23	-10.43	-	-87.43
<b>TFC</b>	<b>15.81</b>	<b>0.12</b>	<b>120.99</b>	<b>26.76</b>	<b>-</b>	<b>-</b>	<b>0.07</b>	<b>291.54</b>	<b>48.09</b>	<b>-</b>	<b>503.37</b>
<b>INDUSTRY</b>	<b>10.87</b>	<b>0.12</b>	<b>12.47</b>	<b>11.95</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28.30</b>	<b>20.50</b>	<b>-</b>	<b>84.19</b>
Iron and steel	5.34	-	-	0.45	-	-	-	-	0.54	-	6.32
Chemical and petrochemical	1.00	-	-	0.65	-	-	-	-	1.16	-	2.81
Non-metallic minerals	1.24	-	1.19	0.15	-	-	-	0.00	0.66	-	3.25
Other/non-specified	3.30	0.12	11.27	10.69	-	-	-	28.29	18.14	-	71.82
<b>TRANSPORT</b>	<b>0.01</b>	<b>-</b>	<b>72.74</b>	<b>1.36</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.42</b>	<b>-</b>	<b>74.51</b>
Domestic aviation	-	-	2.61	-	-	-	-	-	-	-	2.61
Road	-	-	67.89	0.37	-	-	-	-	0.00	-	68.27
Other/non-specified	0.01	-	2.23	0.98	-	-	-	-	0.42	-	3.63
<b>OTHER</b>	<b>3.71</b>	<b>-</b>	<b>27.30</b>	<b>5.64</b>	<b>-</b>	<b>-</b>	<b>0.07</b>	<b>263.25</b>	<b>27.17</b>	<b>-</b>	<b>327.14</b>
Residential	2.04	-	14.25	4.70	-	-	0.00	257.59	14.64	-	293.21
Comm. and public services	1.07	-	1.95	0.14	-	-	-	3.51	7.10	-	13.77
Agriculture/forestry	0.20	-	7.34	0.03	-	-	-	1.39	1.72	-	10.68
Other/non-specified	0.40	-	3.76	0.77	-	-	0.07	0.76	3.72	-	9.48
<b>NON-ENERGY USE</b>	<b>1.22</b>	<b>-</b>	<b>8.48</b>	<b>7.82</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17.52</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	259937	-	81250	200686	12099	105428	3936	827	-	49	664212
Heat generated - TJ	-	-	-	-	-	-	-	-	-	535	535

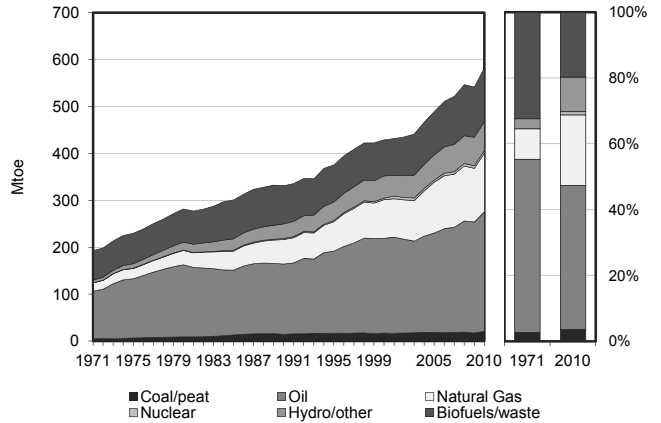
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Non-OECD Americas

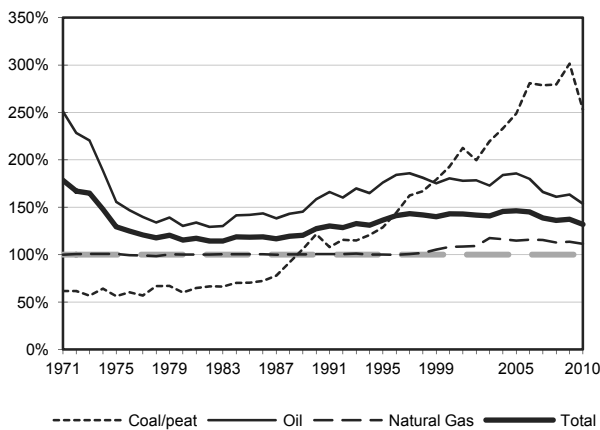
**Figure 1. Energy production**



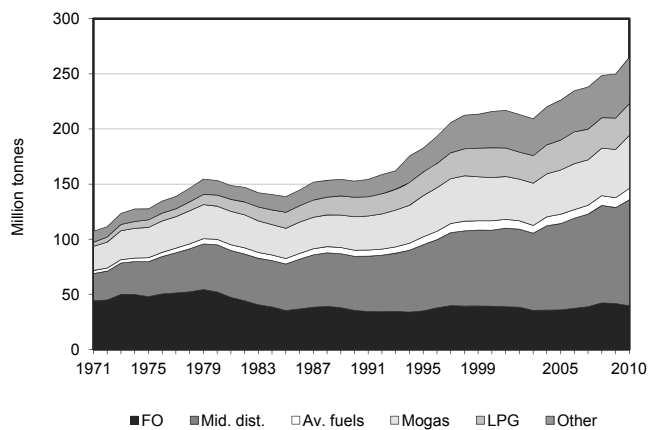
**Figure 2. Total primary energy supply\***



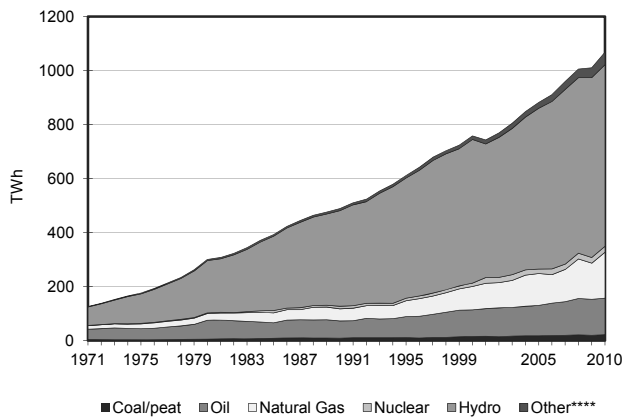
**Figure 3. Energy self-sufficiency\*\***



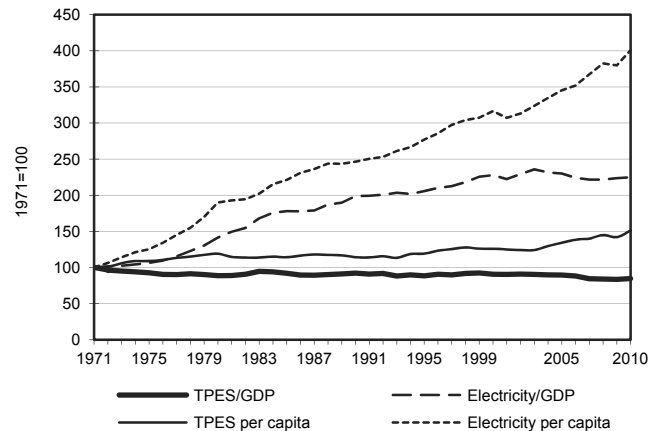
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Non-OECD Americas

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	52.23	386.76	-	130.13	5.50	57.25	3.33	109.06	-	0.11	744.38
Imports	11.80	64.04	57.04	12.04	-	-	-	0.05	4.58	-	149.54
Exports	-46.01	-169.91	-77.99	-27.66	-	-	-	-2.88	-4.40	-	-328.85
Intl. marine bunkers	-	-	-13.36	-	-	-	-	-	-	-	-13.36
Intl. aviation bunkers	-	-	-5.74	-	-	-	-	-	-	-	-5.74
Stock changes	-0.70	-7.42	3.19	-	-	-	-	0.94	-	-	-3.98
<b>TPES</b>	<b>17.32</b>	<b>273.48</b>	<b>-36.87</b>	<b>114.50</b>	<b>5.50</b>	<b>57.25</b>	<b>3.33</b>	<b>107.17</b>	<b>0.18</b>	<b>0.11</b>	<b>541.99</b>
Electricity and CHP plants	-5.39	-2.89	-25.61	-30.15	-5.50	-57.25	-3.01	-8.20	86.99	-0.11	-51.13
Oil refineries	-	-263.84	256.56	-	-	-	-	-	-	-	-7.28
Other transformation*	-4.06	-5.26	-8.46	-29.17	-	-	-0.00	-17.85	-17.36	-	-82.15
<b>TFC</b>	<b>7.88</b>	<b>1.49</b>	<b>185.63</b>	<b>55.19</b>	-	-	<b>0.32</b>	<b>81.11</b>	<b>69.81</b>	-	<b>401.43</b>
<b>INDUSTRY</b>	<b>7.65</b>	<b>1.49</b>	<b>29.71</b>	<b>26.01</b>	-	-	-	<b>38.39</b>	<b>29.28</b>	-	<b>132.53</b>
Iron and steel	4.25	0.01	1.39	5.09	-	-	-	3.29	3.40	-	17.42
Chemical and petrochemical	0.15	0.00	5.35	4.32	-	-	-	0.18	2.54	-	12.55
Non-metallic minerals	0.98	0.01	3.61	3.33	-	-	-	2.19	0.87	-	11.00
Other/non-specified	2.27	1.47	19.36	13.26	-	-	-	32.73	22.47	-	91.56
<b>TRANSPORT</b>	<b>0.00</b>	-	<b>107.94</b>	<b>5.45</b>	-	-	-	<b>13.32</b>	<b>0.25</b>	-	<b>126.96</b>
Domestic aviation	-	-	3.60	-	-	-	-	-	-	-	3.60
Road	-	-	99.91	4.79	-	-	-	13.32	-	-	118.03
Other/non-specified	0.00	-	4.43	0.66	-	-	-	-	0.25	-	5.33
<b>OTHER</b>	<b>0.08</b>	<b>0.00</b>	<b>27.40</b>	<b>11.55</b>	-	-	<b>0.32</b>	<b>29.40</b>	<b>40.28</b>	-	<b>109.04</b>
Residential	0.08	-	13.61	9.69	-	-	0.00	25.19	20.16	-	68.73
Comm. and public services	-	0.00	1.86	1.82	-	-	0.00	0.61	16.70	-	20.99
Agriculture/forestry	-	-	10.73	0.00	-	-	0.00	3.29	2.00	-	16.02
Other/non-specified	0.00	-	1.20	0.04	-	-	0.31	0.31	1.43	-	3.29
<b>NON-ENERGY USE</b>	<b>0.14</b>	-	<b>20.58</b>	<b>12.19</b>	-	-	-	-	-	-	<b>32.90</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	20231	7811	125124	133933	21118	665723	5273	31605	-	583	1011401
Heat generated - TJ	-	-	-	-	-	-	-	-	-	4773	4773

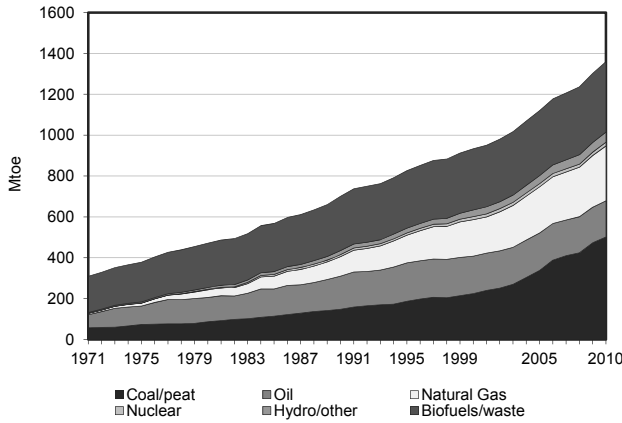
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	52.52	392.48	-	139.18	5.65	57.81	3.41	117.99	-	0.07	769.11
Imports	14.92	54.75	70.70	17.02	-	-	-	0.12	4.17	-	161.68
Exports	-47.02	-187.75	-61.21	-31.22	-	-	-	-2.40	-4.22	-	-333.82
Intl. marine bunkers	-	-	-13.81	-	-	-	-	-	-	-	-13.81
Intl. aviation bunkers	-	-	-7.02	-	-	-	-	-	-	-	-7.02
Stock changes	0.34	1.79	5.20	-	-	-	-	-0.80	-	-	6.54
<b>TPES</b>	<b>20.75</b>	<b>261.27</b>	<b>-6.13</b>	<b>124.98</b>	<b>5.65</b>	<b>57.81</b>	<b>3.41</b>	<b>114.92</b>	<b>-0.05</b>	<b>0.07</b>	<b>582.67</b>
Electricity and CHP plants	-6.08	-2.86	-27.19	-37.03	-5.65	-57.81	-3.03	-9.62	91.94	-0.07	-57.41
Oil refineries	-	-248.26	241.54	-	-	-	-	-	-	-	-6.72
Other transformation*	-4.98	-8.36	-7.30	-28.69	-	-	-	-18.13	-18.15	-	-85.62
<b>TFC</b>	<b>9.68</b>	<b>1.79</b>	<b>200.92</b>	<b>59.26</b>	-	-	<b>0.37</b>	<b>87.16</b>	<b>73.74</b>	-	<b>432.92</b>
<b>INDUSTRY</b>	<b>9.47</b>	<b>1.78</b>	<b>33.51</b>	<b>27.79</b>	-	-	-	<b>41.32</b>	<b>31.26</b>	-	<b>145.13</b>
Iron and steel	5.78	0.03	0.86	5.96	-	-	-	4.03	3.26	-	19.92
Chemical and petrochemical	0.18	0.01	4.99	5.06	-	-	-	0.19	2.60	-	13.02
Non-metallic minerals	0.72	0.02	4.95	3.57	-	-	-	2.40	0.95	-	12.60
Other/non-specified	2.79	1.72	22.72	13.20	-	-	-	34.71	24.45	-	99.58
<b>TRANSPORT</b>	<b>0.00</b>	-	<b>117.05</b>	<b>6.06</b>	-	-	-	<b>14.75</b>	<b>0.25</b>	-	<b>138.11</b>
Domestic aviation	-	-	3.89	-	-	-	-	-	-	-	3.89
Road	-	-	108.20	4.83	-	-	-	14.75	-	-	127.79
Other/non-specified	0.00	-	4.95	1.22	-	-	-	-	0.25	-	6.43
<b>OTHER</b>	<b>0.07</b>	<b>0.01</b>	<b>28.24</b>	<b>12.17</b>	-	-	<b>0.37</b>	<b>31.08</b>	<b>42.23</b>	-	<b>114.17</b>
Residential	0.05	-	13.94	10.15	-	-	0.00	26.86	21.11	-	72.11
Comm. and public services	-	0.01	1.96	2.00	-	-	0.00	0.66	17.55	-	22.18
Agriculture/forestry	0.02	-	11.26	0.00	-	-	0.00	3.38	2.09	-	16.75
Other/non-specified	0.00	-	1.08	0.02	-	-	0.37	0.19	1.47	-	3.14
<b>NON-ENERGY USE</b>	<b>0.14</b>	-	<b>22.12</b>	<b>13.25</b>	-	-	-	-	-	-	<b>35.51</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	22358	7687	127511	170437	21694	672266	6177	40464	-	383	1068977
Heat generated - TJ	-	-	-	-	-	-	-	-	-	2855	2855

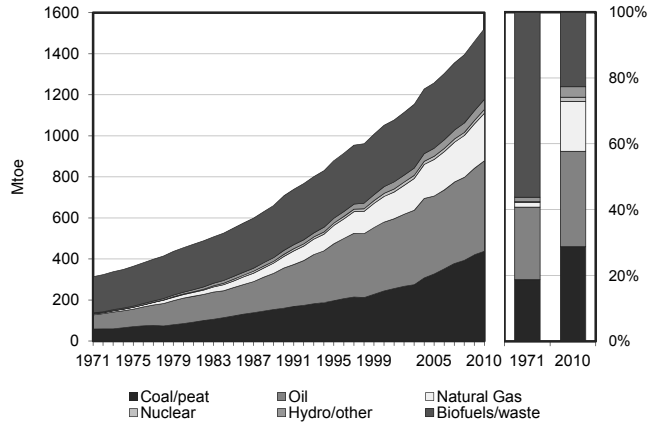
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Asia (excluding China)

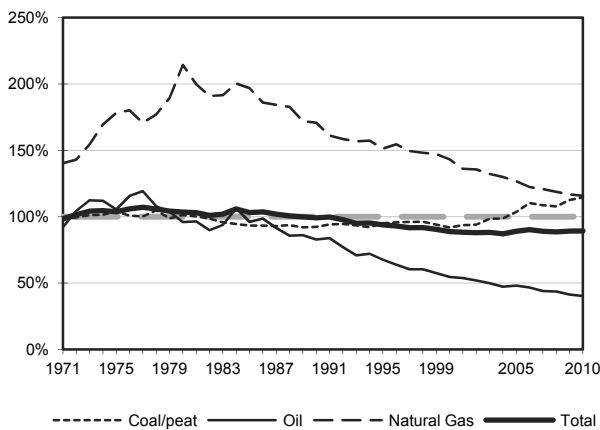
**Figure 1. Energy production**



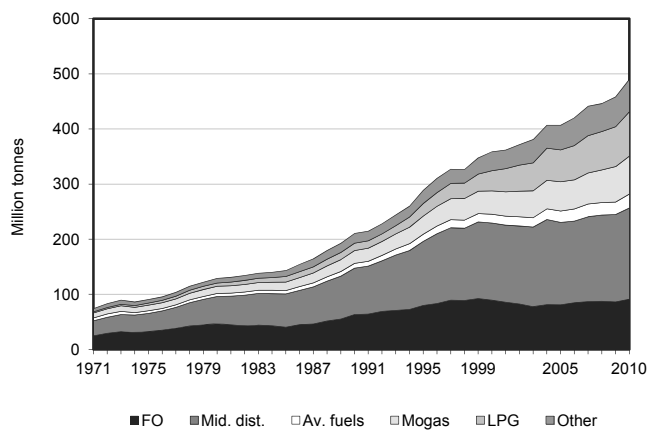
**Figure 2. Total primary energy supply\***



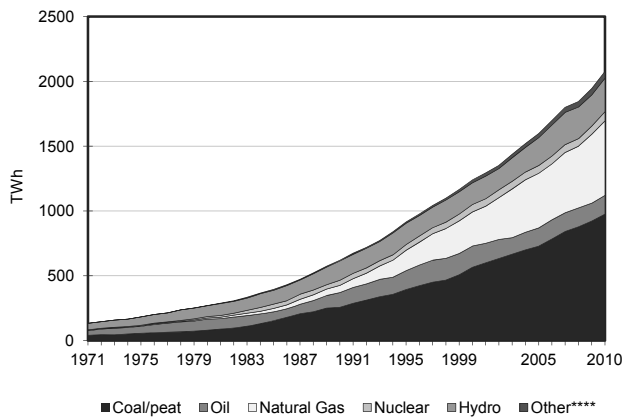
**Figure 3. Energy self-sufficiency\*\***



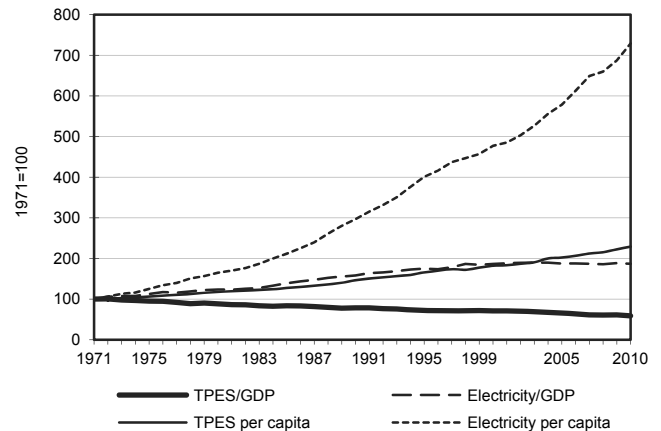
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Asia (excluding China)

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	473.78	174.05	-	252.92	16.44	20.71	26.82	338.08	-	-	1302.79
Imports	113.63	352.82	164.28	39.51	-	-	-	0.13	1.50	-	671.88
Exports	-159.61	-56.64	-157.90	-76.59	-	-	-	-0.52	-0.81	-	-452.09
Intl. marine bunkers	-	-	-39.53	-	-	-	-	-	-	-	-39.53
Intl. aviation bunkers	-	-	-19.79	-	-	-	-	-	-	-	-19.79
Stock changes	-7.21	0.94	3.12	0.67	-	-	-	-0.00	-	-	-2.47
<b>TPES</b>	<b>420.59</b>	<b>471.17</b>	<b>-49.82</b>	<b>216.50</b>	<b>16.44</b>	<b>20.71</b>	<b>26.82</b>	<b>337.69</b>	<b>0.69</b>	<b>-</b>	<b>1460.79</b>
Electricity and CHP plants	-276.09	-	-39.26	-103.91	-16.44	-20.71	-26.49	-5.24	167.35	0.83	-319.96
Oil refineries	-	-451.14	449.64	-	-	-	-	-	-	-	-1.50
Other transformation*	-17.22	-11.97	-16.94	-32.81	-	-	-	-10.95	-33.43	-0.05	-123.36
<b>TFC</b>	<b>127.28</b>	<b>8.06</b>	<b>343.62</b>	<b>79.78</b>	<b>-</b>	<b>-</b>	<b>0.33</b>	<b>321.50</b>	<b>134.61</b>	<b>0.78</b>	<b>1015.97</b>
<b>INDUSTRY</b>	<b>103.42</b>	<b>-</b>	<b>53.42</b>	<b>39.74</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51.79</b>	<b>59.52</b>	<b>0.20</b>	<b>308.09</b>
Iron and steel	18.31	-	2.15	1.21	-	-	-	-	1.79	-	23.45
Chemical and petrochemical	4.88	-	6.40	4.93	-	-	-	0.02	3.91	-	20.15
Non-metallic minerals	27.52	-	2.41	0.82	-	-	-	-	1.03	-	31.78
Other/non-specified	52.71	-	42.47	32.77	-	-	-	51.77	52.79	0.20	232.71
<b>TRANSPORT</b>	<b>0.01</b>	<b>0.00</b>	<b>160.50</b>	<b>6.38</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.03</b>	<b>1.34</b>	<b>-</b>	<b>169.27</b>
Domestic aviation	-	-	4.11	-	-	-	-	-	-	-	4.11
Road	-	-	148.60	6.37	-	-	-	1.03	-	-	156.00
Other/non-specified	0.01	0.00	7.79	0.01	-	-	-	-	1.34	-	9.16
<b>OTHER</b>	<b>23.58</b>	<b>0.00</b>	<b>55.86</b>	<b>9.24</b>	<b>-</b>	<b>-</b>	<b>0.33</b>	<b>268.68</b>	<b>73.75</b>	<b>0.58</b>	<b>432.02</b>
Residential	4.18	-	36.28	7.38	-	-	0.10	260.54	34.69	0.36	343.53
Comm. and public services	3.91	-	5.94	1.52	-	-	0.00	7.05	21.89	0.19	40.51
Agriculture/forestry	0.03	-	11.28	0.15	-	-	-	0.01	11.65	0.00	23.12
Other/non-specified	15.46	0.00	2.36	0.18	-	-	0.22	1.09	5.51	0.03	24.85
<b>NON-ENERGY USE</b>	<b>0.26</b>	<b>8.06</b>	<b>73.85</b>	<b>24.42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>106.59</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	923289	-	137346	531605	63102	240793	38580	11189	-	-	1945904
Heat generated - TJ	34736	-	100	-	-	-	-	-	-	-	34836

2010

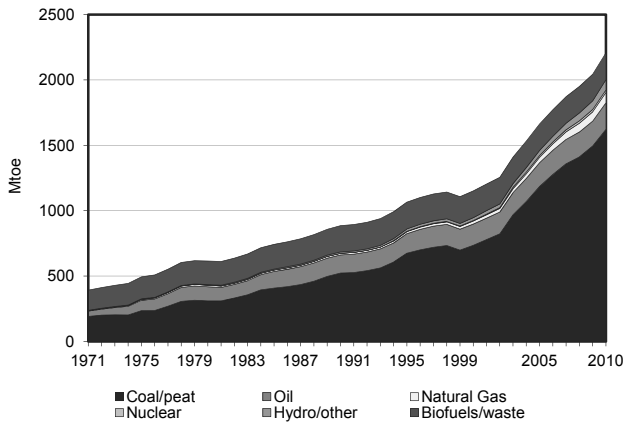
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	501.83	177.56	-	268.22	18.59	22.24	26.85	344.87	-	-	1360.15
Imports	125.52	361.38	186.47	45.06	-	-	-	0.19	2.16	-	720.77
Exports	-186.20	-54.70	-166.47	-81.41	-	-	-	-0.44	-0.92	-	-490.15
Intl. marine bunkers	-	-	-43.91	-	-	-	-	-	-	-	-43.91
Intl. aviation bunkers	-	-	-21.81	-	-	-	-	-	-	-	-21.81
Stock changes	-3.25	-1.08	3.61	-0.24	-	-	-	0.04	-	-	-0.92
<b>TPES</b>	<b>437.89</b>	<b>483.16</b>	<b>-42.12</b>	<b>231.63</b>	<b>18.59</b>	<b>22.24</b>	<b>26.85</b>	<b>344.65</b>	<b>1.24</b>	<b>-</b>	<b>1524.13</b>
Electricity and CHP plants	-284.60	-	-40.80	-118.07	-18.59	-22.24	-26.46	-5.65	178.71	0.84	-336.86
Oil refineries	-	-464.33	462.65	-	-	-	-	-	-	-	-1.68
Other transformation*	-14.87	-10.59	-15.51	-34.17	-	-	-	-11.60	-33.89	-0.05	-120.68
<b>TFC</b>	<b>138.42</b>	<b>8.24</b>	<b>364.21</b>	<b>79.39</b>	<b>-</b>	<b>-</b>	<b>0.40</b>	<b>327.40</b>	<b>146.07</b>	<b>0.78</b>	<b>1064.91</b>
<b>INDUSTRY</b>	<b>118.66</b>	<b>-</b>	<b>57.60</b>	<b>37.53</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>52.61</b>	<b>65.33</b>	<b>0.21</b>	<b>331.94</b>
Iron and steel	25.61	-	2.44	1.21	-	-	-	-	2.48	-	31.73
Chemical and petrochemical	5.62	-	6.45	4.66	-	-	-	0.03	4.55	-	21.31
Non-metallic minerals	29.04	-	2.95	0.88	-	-	-	-	1.10	-	33.97
Other/non-specified	58.39	-	45.75	30.79	-	-	-	52.59	57.20	0.21	244.93
<b>TRANSPORT</b>	<b>0.02</b>	<b>0.00</b>	<b>170.97</b>	<b>7.61</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.06</b>	<b>1.45</b>	<b>-</b>	<b>181.11</b>
Domestic aviation	-	-	4.90	-	-	-	-	-	-	-	4.90
Road	-	-	157.47	7.60	-	-	-	1.05	-	-	166.13
Other/non-specified	0.02	0.00	8.60	0.01	-	-	-	0.00	1.45	-	10.08
<b>OTHER</b>	<b>18.70</b>	<b>0.00</b>	<b>57.20</b>	<b>9.90</b>	<b>-</b>	<b>-</b>	<b>0.40</b>	<b>273.73</b>	<b>79.29</b>	<b>0.57</b>	<b>439.80</b>
Residential	4.34	-	35.86	7.92	-	-	0.10	265.48	37.24	0.34	351.28
Comm. and public services	4.10	-	7.09	1.61	-	-	0.00	7.15	23.74	0.21	43.91
Agriculture/forestry	0.02	-	12.50	0.18	-	-	-	0.01	12.40	0.00	25.11
Other/non-specified	10.24	0.00	1.76	0.19	-	-	0.29	1.09	5.90	0.03	19.50
<b>NON-ENERGY USE</b>	<b>1.04</b>	<b>8.23</b>	<b>78.45</b>	<b>24.34</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>112.07</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	976245	-	145002	574551	71315	258582	40584	11736	-	-	2078015
Heat generated - TJ	34912	-	100	-	-	-	-	-	-	-	35012

\* Includes transfers, statistical differences, energy industry own use, and losses.

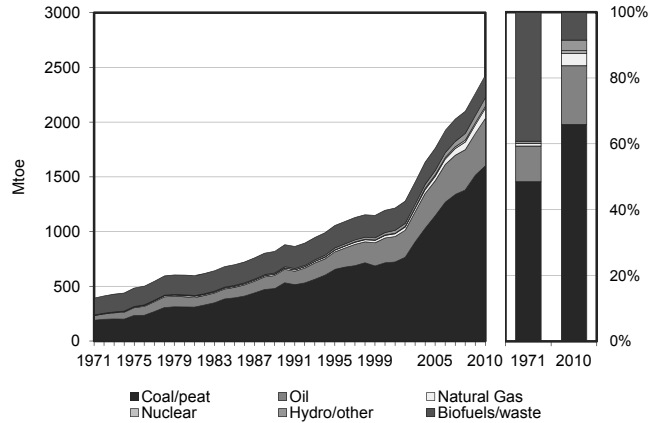


## China (P.R. of China and Hong Kong)

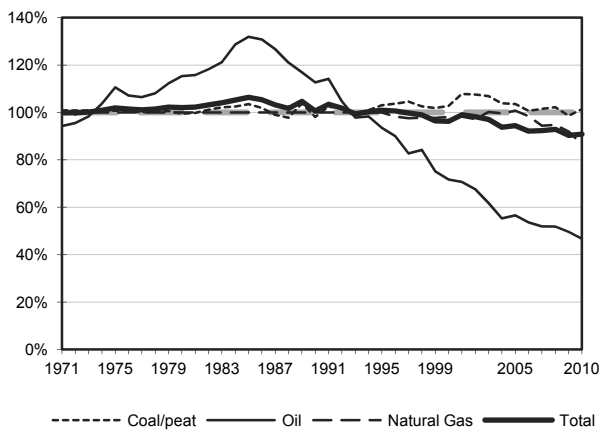
**Figure 1. Energy production**



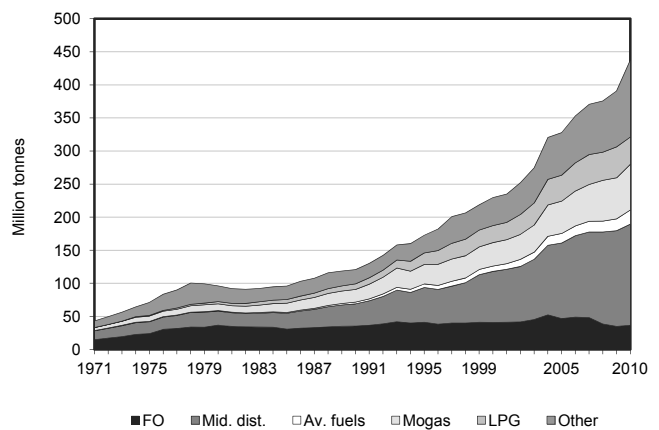
**Figure 2. Total primary energy supply\***



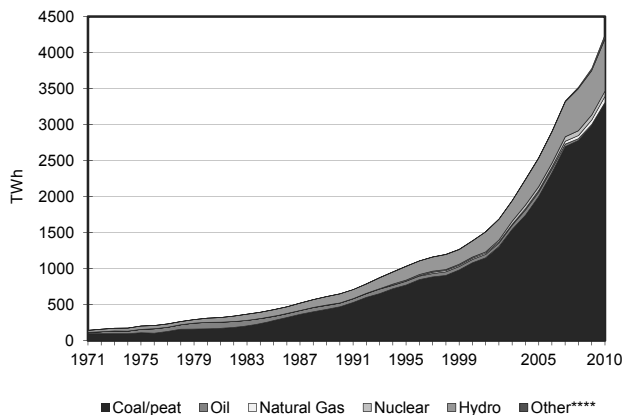
**Figure 3. Energy self-sufficiency\*\***



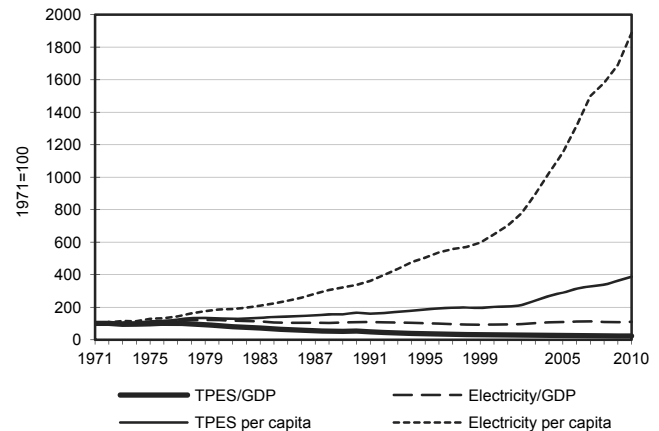
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## China (P.R. of China and Hong Kong)

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1496.17	189.62	-	71.34	18.28	52.95	12.99	203.55	-	-	2044.88
Imports	80.50	203.65	67.63	8.91	-	-	-	0.00	1.51	-	362.21
Exports	-12.10	-5.07	-29.08	-2.68	-	-	-	-	-1.82	-	-50.75
Intl. marine bunkers	-	-	-17.30	-	-	-	-	-	-	-	-17.30
Intl. aviation bunkers	-	-	-9.31	-	-	-	-	-	-	-	-9.31
Stock changes	-47.41	-6.77	-11.30	-	-	-	-	-	-	-	-65.47
<b>TPES</b>	<b>1517.16</b>	<b>381.43</b>	<b>0.64</b>	<b>77.56</b>	<b>18.28</b>	<b>52.95</b>	<b>12.99</b>	<b>203.55</b>	<b>-0.30</b>	<b>-</b>	<b>2264.25</b>
Transfers	-	-0.13	0.15	-	-	-	-	-	-	-	0.02
Statistical differences	-4.43	0.15	-2.23	-0.15	-	-	0.00	-	-0.00	-	-6.66
Electricity plants	-740.25	-0.04	-4.08	-13.40	-18.28	-52.95	-2.48	-0.81	325.15	-	-507.14
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-78.92	-0.02	-3.13	-2.15	-	-	-	-0.47	-	63.70	-20.99
Blast furnaces	-82.45	-	-	-	-	-	-	-	-	-	-82.45
Gas works	-3.49	-	-0.50	-0.60	-	-	-	-	-	-	-4.59
Coke/pat.fuel/BKB plants	-26.25	-	-	-	-	-	-	-	-	-	-26.25
Oil refineries	-	-371.09	360.30	-	-	-	-	-	-	-	-10.80
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-61.14	-4.87	-18.77	-9.40	-	-	-	-	-37.77	-8.30	-140.24
Losses	-	-1.87	-0.02	-1.82	-	-	-	-	-19.86	-0.76	-24.33
<b>TFC</b>	<b>520.24</b>	<b>3.57</b>	<b>332.35</b>	<b>50.04</b>	<b>-</b>	<b>-</b>	<b>10.51</b>	<b>202.27</b>	<b>267.22</b>	<b>54.64</b>	<b>1440.84</b>
<b>INDUSTRY</b>	<b>408.43</b>	<b>2.29</b>	<b>47.12</b>	<b>15.94</b>	<b>-</b>	<b>-</b>	<b>0.14</b>	<b>-</b>	<b>175.45</b>	<b>35.75</b>	<b>685.13</b>
Iron and steel	140.45	-	2.08	1.57	-	-	-	-	34.58	4.90	183.59
Chemical and petrochemical	41.95	-	4.92	6.09	-	-	-	-	28.95	14.97	96.88
Non-ferrous metals	11.98	-	1.60	0.56	-	-	-	-	22.15	1.85	38.15
Non-metallic minerals	128.37	-	8.50	3.73	-	-	-	-	18.28	0.26	159.15
Transport equipment	4.15	-	1.45	1.01	-	-	-	-	4.86	0.59	12.06
Machinery	14.00	-	4.69	1.76	-	-	-	-	21.38	1.28	43.11
Mining and quarrying	4.37	-	1.65	0.18	-	-	-	-	6.34	0.43	12.98
Food and tobacco	15.55	-	1.52	0.41	-	-	-	-	6.15	2.83	26.45
Paper pulp and printing	11.90	-	0.71	0.13	-	-	-	-	4.87	3.10	20.70
Wood and wood products	2.33	-	0.31	0.07	-	-	-	-	1.95	0.15	4.81
Construction	3.26	-	16.18	0.08	-	-	-	-	3.63	0.15	23.30
Textile and leather	10.87	-	1.41	0.14	-	-	-	-	11.68	4.73	28.83
Non-specified	19.25	2.29	2.10	0.22	-	-	0.14	-	10.63	0.49	35.12
<b>TRANSPORT</b>	<b>3.17</b>	<b>-</b>	<b>154.68</b>	<b>6.20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.24</b>	<b>2.80</b>	<b>-</b>	<b>168.09</b>
Domestic aviation	-	-	9.26	-	-	-	-	-	-	-	9.26
Road	-	-	123.27	6.08	-	-	-	1.24	-	-	130.59
Rail	3.17	-	5.74	-	-	-	-	-	2.80	-	11.71
Pipeline transport	-	-	0.00	0.11	-	-	-	-	-	-	0.11
Domestic navigation	-	-	15.20	-	-	-	-	-	-	-	15.20
Non-specified	-	-	1.21	-	-	-	-	-	-	-	1.21
<b>OTHER</b>	<b>77.01</b>	<b>0.17</b>	<b>59.01</b>	<b>19.48</b>	<b>-</b>	<b>-</b>	<b>10.37</b>	<b>201.04</b>	<b>88.97</b>	<b>18.89</b>	<b>474.92</b>
Residential	48.32	-	24.82	14.86	-	-	1.77	201.03	42.83	16.00	349.64
Comm. and publ. services	10.38	-	20.80	4.61	-	-	0.96	-	16.86	1.18	54.79
Agriculture/forestry	8.30	-	13.38	0.00	-	-	0.43	-	8.08	0.02	30.21
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	10.01	0.17	-	-	-	-	7.20	0.00	21.19	1.69	40.28
<b>NON-ENERGY USE</b>	<b>31.63</b>	<b>1.10</b>	<b>71.55</b>	<b>8.42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>112.70</b>
in industry/transf./energy	31.63	1.10	51.17	8.42	-	-	-	-	-	-	92.33
of which: feedstocks	-	1.10	30.91	8.42	-	-	-	-	-	-	40.43
in transport	-	-	6.47	-	-	-	-	-	-	-	6.47
in other	-	-	13.91	-	-	-	-	-	-	-	13.91
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2986621</b>	<b>-</b>	<b>16630</b>	<b>62005</b>	<b>70134</b>	<b>615640</b>	<b>27446</b>	<b>2351</b>	<b>-</b>	<b>-</b>	<b>3780827</b>
Electricity plants	2986621	-	16630	62005	70134	615640	27446	2351	-	-	3780827
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>2460513</b>	<b>-</b>	<b>114053</b>	<b>81043</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11870</b>	<b>-</b>	<b>-</b>	<b>2667479</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	2460513	-	114053	81043	-	-	-	11870	-	-	2667479

## China (P.R. of China and Hong Kong)

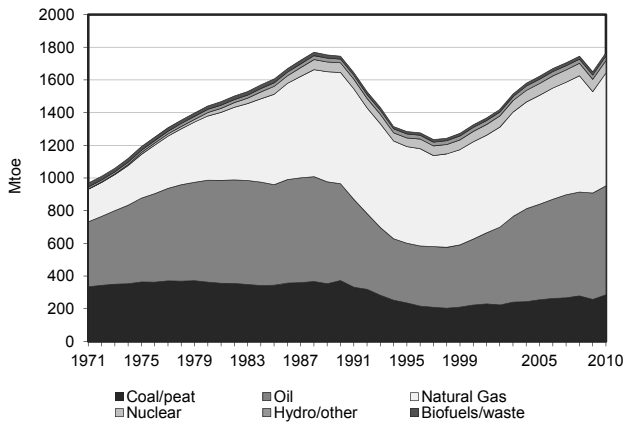
2010

Million tonnes of oil equivalent

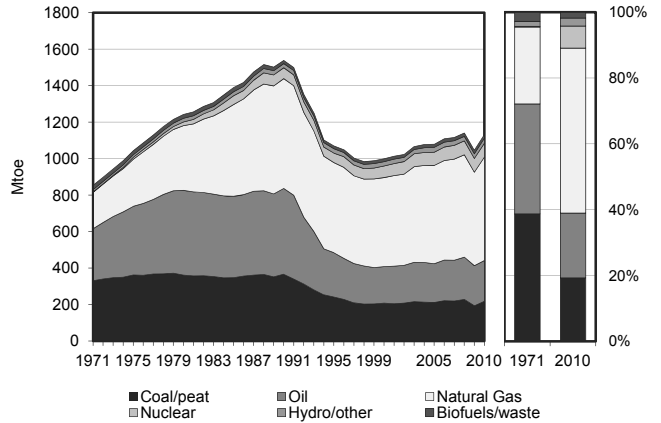
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1623.22	203.16	-	79.35	19.25	62.11	16.05	205.87	-	-	2209.02
Imports	93.01	237.68	71.08	15.72	-	-	-	0.00	1.43	-	418.91
Exports	-11.82	-3.03	-31.41	-3.37	-	-	-	-	-1.86	-	-51.49
Intl. marine bunkers	-	-	-20.81	-	-	-	-	-	-	-	-20.81
Intl. aviation bunkers	-	-	-10.99	-	-	-	-	-	-	-	-10.99
Stock changes	-102.91	-8.90	-1.91	-	-	-	-	-	-	-	-113.72
<b>TPES</b>	<b>1601.50</b>	<b>428.91</b>	<b>5.96</b>	<b>91.70</b>	<b>19.25</b>	<b>62.11</b>	<b>16.05</b>	<b>205.87</b>	<b>-0.44</b>	<b>-</b>	<b>2430.92</b>
Transfers	-	-0.14	0.17	-	-	-	-	-	-	-	0.03
Statistical differences	-19.88	0.15	-13.85	-0.28	-	-	-	0.00	-0.02	-	-33.88
Electricity plants	-800.09	-0.04	-3.25	-18.05	-19.25	-62.11	-4.06	-3.92	365.20	-	-545.57
CHP plants	-	-	-1.72	-	-	-	-	-	-	-	-1.72
Heat plants	-83.58	-0.03	-4.00	-2.43	-	-	-	-1.13	-	76.87	-14.30
Blast furnaces	-89.44	-	-	-	-	-	-	-	-	-	-89.44
Gas works	-1.83	-	-0.52	-0.66	-	-	-	-	-	-	-3.01
Coke/pat.fuel/BKB plants	-28.35	-	-	-	-	-	-	-	-	-	-28.35
Oil refineries	-	-418.69	405.18	-	-	-	-	-	-	-	-13.51
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-64.67	-4.82	-19.18	-11.49	-	-	-	-	-41.86	-9.44	-151.46
Losses	-	-1.92	-0.03	-1.58	-	-	-	-	-22.51	-3.14	-29.18
<b>TFC</b>	<b>513.66</b>	<b>3.41</b>	<b>368.77</b>	<b>57.21</b>	<b>-</b>	<b>-</b>	<b>12.00</b>	<b>200.82</b>	<b>300.39</b>	<b>64.28</b>	<b>1520.54</b>
<b>INDUSTRY</b>	<b>400.53</b>	<b>2.17</b>	<b>45.89</b>	<b>16.50</b>	<b>-</b>	<b>-</b>	<b>0.15</b>	<b>-</b>	<b>203.47</b>	<b>45.03</b>	<b>713.74</b>
Iron and steel	148.35	-	1.66	1.69	-	-	-	-	39.66	5.91	197.28
Chemical and petrochemical	39.83	-	5.52	5.81	-	-	-	-	31.53	17.44	100.13
Non-ferrous metals	11.13	-	1.78	0.75	-	-	-	-	26.91	2.32	42.88
Non-metallic minerals	124.63	-	7.83	3.49	-	-	-	-	21.06	0.32	157.33
Transport equipment	4.43	-	1.56	1.04	-	-	-	-	6.80	0.74	14.57
Machinery	13.84	-	4.57	2.25	-	-	-	-	26.48	1.55	48.67
Mining and quarrying	4.72	-	1.79	0.16	-	-	-	-	7.23	0.49	14.39
Food and tobacco	15.41	-	1.53	0.49	-	-	-	-	6.77	3.11	27.31
Paper pulp and printing	11.65	-	0.68	0.19	-	-	-	-	5.43	3.61	21.55
Wood and wood products	2.28	-	0.36	0.05	-	-	-	-	2.21	3.57	8.48
Construction	3.68	-	13.04	0.10	-	-	-	-	4.16	0.16	21.13
Textile and leather	10.16	-	1.35	0.17	-	-	-	-	13.06	5.24	29.98
Non-specified	10.41	2.17	4.22	0.31	-	-	0.15	-	12.20	0.58	30.04
<b>TRANSPORT</b>	<b>3.15</b>	<b>-</b>	<b>169.13</b>	<b>7.29</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.21</b>	<b>3.42</b>	<b>-</b>	<b>184.20</b>
Domestic aviation	-	-	11.29	-	-	-	-	-	-	-	11.29
Road	-	-	134.94	7.16	-	-	-	1.21	-	-	143.31
Rail	3.15	-	5.45	-	-	-	-	-	3.42	-	12.02
Pipeline transport	-	-	0.00	0.13	-	-	-	-	-	-	0.13
Domestic navigation	-	-	16.10	-	-	-	-	-	-	-	16.10
Non-specified	-	-	1.34	-	-	-	-	-	-	-	1.34
<b>OTHER</b>	<b>79.40</b>	<b>0.17</b>	<b>62.95</b>	<b>24.17</b>	<b>-</b>	<b>-</b>	<b>11.84</b>	<b>199.61</b>	<b>93.49</b>	<b>19.25</b>	<b>490.88</b>
Residential	49.98	-	25.56	18.98	-	-	1.91	199.61	45.01	16.10	357.15
Comm. and publ. services	10.34	-	23.25	5.14	-	-	1.04	-	18.90	1.33	60.02
Agriculture/forestry	8.97	-	14.13	0.04	-	-	0.46	-	8.40	0.02	32.03
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	10.11	0.17	-	-	-	-	8.42	0.00	21.18	1.80	41.68
<b>NON-ENERGY USE</b>	<b>30.59</b>	<b>1.07</b>	<b>90.81</b>	<b>9.25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>131.72</b>
in industry/transf./energy	30.59	1.07	75.64	9.25	-	-	-	-	-	-	116.55
of which: feedstocks	-	1.07	20.50	9.25	-	-	-	-	-	-	30.83
in transport	-	-	2.01	-	-	-	-	-	-	-	2.01
in other	-	-	13.16	-	-	-	-	-	-	-	13.16
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3296583</b>	<b>-</b>	<b>13367</b>	<b>83424</b>	<b>73880</b>	<b>722172</b>	<b>45724</b>	<b>11406</b>	<b>-</b>	<b>-</b>	<b>4246556</b>
Electricity plants	3296583	-	13367	83424	73880	722172	45724	11406	-	-	4246556
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>2949750</b>	<b>-</b>	<b>143657</b>	<b>91566</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>33911</b>	<b>-</b>	<b>-</b>	<b>3218884</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	2949750	-	143657	91566	-	-	-	33911	-	-	3218884

## Non-OECD Europe and Eurasia

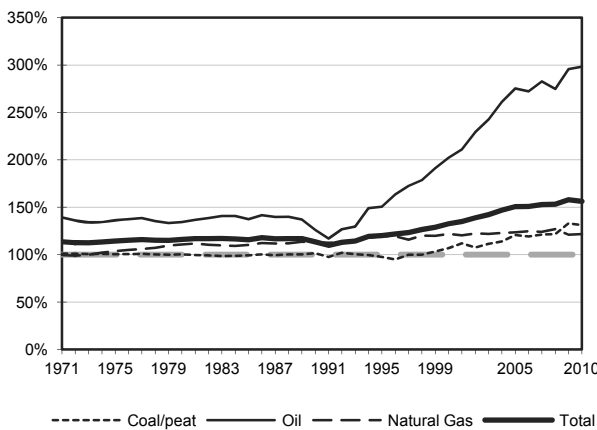
**Figure 1. Energy production**



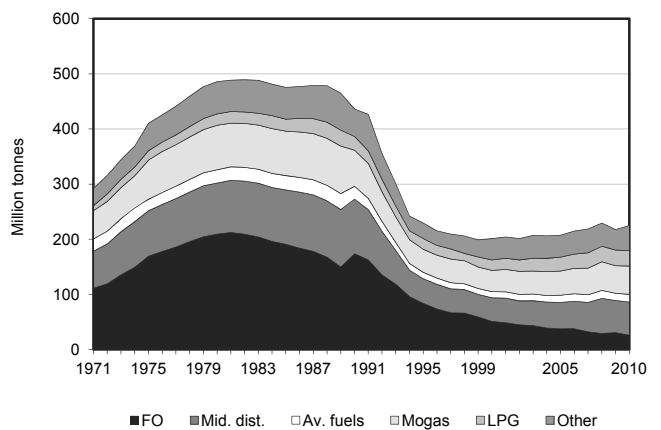
**Figure 2. Total primary energy supply\***



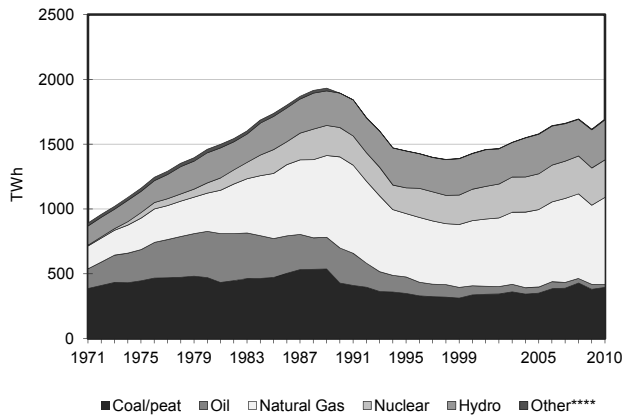
**Figure 3. Energy self-sufficiency\*\***



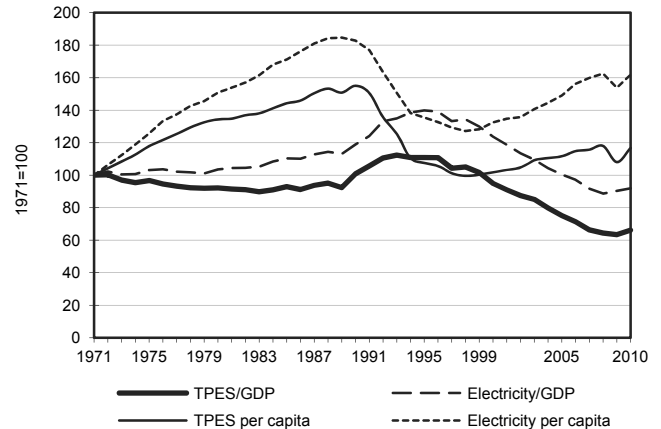
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Non-OECD Europe and Eurasia

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	257.47	651.17	-	620.26	75.31	25.37	0.70	20.03	-	0.30	1650.59
Imports	25.31	67.64	32.77	68.96	-	-	-	0.20	5.54	-	200.43
Exports	-85.64	-369.33	-148.75	-175.45	-	-	-	-0.87	-7.28	-	-787.33
Intl. marine bunkers	-	-	-4.35	-	-	-	-	-	-	-	-4.35
Intl. aviation bunkers	-	-	-8.24	-	-	-	-	-	-	-	-8.24
Stock changes	-3.48	-1.35	0.68	-1.57	-	-	-	-0.13	-	-	-5.86
<b>TPES</b>	<b>193.66</b>	<b>348.12</b>	<b>-127.89</b>	<b>512.19</b>	<b>75.31</b>	<b>25.37</b>	<b>0.70</b>	<b>19.23</b>	<b>-1.74</b>	<b>0.30</b>	<b>1045.24</b>
Electricity and CHP plants	-113.36	-0.01	-12.37	-189.79	-75.16	-25.37	-0.46	-2.21	139.01	83.33	-196.39
Oil refineries	-	-342.94	332.98	-	-	-	-	-	-	-	-9.95
Other transformation*	-36.73	-4.64	-26.49	-114.78	-0.15	-	-0.05	-3.36	-39.68	57.27	-168.60
<b>TFC</b>	<b>43.57</b>	<b>0.54</b>	<b>166.23</b>	<b>207.62</b>	<b>-</b>	<b>-</b>	<b>0.19</b>	<b>13.66</b>	<b>97.59</b>	<b>140.90</b>	<b>670.30</b>
<b>INDUSTRY</b>	<b>32.19</b>	<b>0.03</b>	<b>17.20</b>	<b>49.40</b>	<b>-</b>	<b>-</b>	<b>0.00</b>	<b>1.35</b>	<b>42.72</b>	<b>44.33</b>	<b>187.25</b>
Iron and steel	21.54	0.00	1.52	16.86	-	-	-	0.06	9.67	8.88	58.53
Chemical and petrochemical	0.83	0.02	6.61	4.93	-	-	-	0.24	5.32	11.85	29.79
Non-metallic minerals	2.19	-	1.02	12.80	-	-	-	0.13	2.24	2.15	20.52
Other/non-specified	7.63	0.02	8.05	14.82	-	-	0.00	0.92	25.50	21.46	78.41
<b>TRANSPORT</b>	<b>0.06</b>	<b>-</b>	<b>93.00</b>	<b>33.66</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.27</b>	<b>8.66</b>	<b>-</b>	<b>135.65</b>
Domestic aviation	-	-	5.29	-	-	-	-	-	-	-	5.29
Road	-	-	82.66	0.55	-	-	-	0.27	-	-	83.48
Other/non-specified	0.06	-	5.05	33.11	-	-	-	0.00	8.66	-	46.88
<b>OTHER</b>	<b>10.71</b>	<b>0.42</b>	<b>23.09</b>	<b>90.56</b>	<b>-</b>	<b>-</b>	<b>0.19</b>	<b>12.03</b>	<b>46.21</b>	<b>96.57</b>	<b>279.78</b>
Residential	4.37	-	7.99	75.63	-	-	0.11	10.21	22.46	57.60	178.36
Comm. and public services	3.60	-	3.93	12.67	-	-	0.07	1.15	19.49	20.19	61.10
Agriculture/forestry	0.32	0.01	7.20	1.43	-	-	0.01	0.43	3.88	3.18	16.46
Other/non-specified	2.43	0.41	3.98	0.82	-	-	0.00	0.24	0.39	15.59	23.86
<b>NON-ENERGY USE</b>	<b>0.60</b>	<b>0.08</b>	<b>32.94</b>	<b>34.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>67.62</b>

## Electricity and Heat Output

Electricity generated - GWh	381622	17	37444	610795	286862	294942	1229	3237	-	286	1616434
Heat generated - TJ	1644894	27296	420168	4724588	23054	-	301572	153703	23	12397	7307695

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	286.49	666.42	-	691.11	75.82	26.66	0.84	20.91	-	0.31	1768.56
Imports	29.88	59.11	36.36	69.05	-	-	-	0.32	5.26	-	199.98
Exports	-104.96	-361.09	-157.96	-196.19	-	-	-	-0.98	-7.32	-	-828.51
Intl. marine bunkers	-	-	-6.11	-	-	-	-	-	-	-	-6.11
Intl. aviation bunkers	-	-	-8.88	-	-	-	-	-	-	-	-8.88
Stock changes	6.96	-2.96	-1.37	3.78	-	-	-	0.06	-	-	6.47
<b>TPES</b>	<b>218.37</b>	<b>361.47</b>	<b>-137.98</b>	<b>567.76</b>	<b>75.82</b>	<b>26.66</b>	<b>0.84</b>	<b>20.31</b>	<b>-2.05</b>	<b>0.31</b>	<b>1131.50</b>
Electricity and CHP plants	-108.48	-0.01	-7.37	-207.37	-75.67	-26.66	-0.58	-2.56	145.82	89.52	-193.37
Oil refineries	-	-347.57	339.64	-	-	-	-	-	-	-	-7.92
Other transformation*	-63.50	-7.90	-25.96	-133.31	-0.15	-	-0.05	-3.80	-39.59	57.82	-216.44
<b>TFC</b>	<b>46.39</b>	<b>5.99</b>	<b>168.33</b>	<b>227.08</b>	<b>-</b>	<b>-</b>	<b>0.21</b>	<b>13.95</b>	<b>104.17</b>	<b>147.65</b>	<b>713.77</b>
<b>INDUSTRY</b>	<b>35.06</b>	<b>0.08</b>	<b>17.57</b>	<b>53.49</b>	<b>-</b>	<b>-</b>	<b>0.00</b>	<b>1.51</b>	<b>46.07</b>	<b>56.17</b>	<b>209.96</b>
Iron and steel	23.35	-	1.72	18.51	-	-	-	0.08	10.43	10.98	65.08
Chemical and petrochemical	0.47	0.03	6.39	5.64	-	-	-	0.19	5.73	16.59	35.03
Non-metallic minerals	3.02	0.04	1.05	13.45	-	-	-	0.17	2.41	2.49	22.63
Other/non-specified	8.21	0.02	8.40	15.90	-	-	0.00	1.07	27.50	26.11	87.21
<b>TRANSPORT</b>	<b>0.05</b>	<b>-</b>	<b>94.31</b>	<b>38.97</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.26</b>	<b>9.01</b>	<b>-</b>	<b>142.60</b>
Domestic aviation	-	-	5.81	-	-	-	-	-	-	-	5.81
Road	-	-	83.58	0.62	-	-	-	0.26	-	-	84.46
Other/non-specified	0.05	-	4.92	38.35	-	-	-	0.00	9.01	-	52.32
<b>OTHER</b>	<b>10.50</b>	<b>5.84</b>	<b>23.75</b>	<b>91.61</b>	<b>-</b>	<b>-</b>	<b>0.21</b>	<b>12.18</b>	<b>49.09</b>	<b>91.48</b>	<b>284.65</b>
Residential	4.11	-	8.18	75.55	-	-	0.12	10.06	23.48	67.10	188.60
Comm. and public services	3.55	-	4.15	14.11	-	-	0.07	1.61	21.11	18.07	62.67
Agriculture/forestry	0.30	0.01	7.07	1.13	-	-	0.01	0.27	4.05	3.48	16.33
Other/non-specified	2.53	5.82	4.35	0.83	-	-	0.00	0.25	0.44	2.83	17.05
<b>NON-ENERGY USE</b>	<b>0.78</b>	<b>0.07</b>	<b>32.71</b>	<b>43.01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>76.57</b>

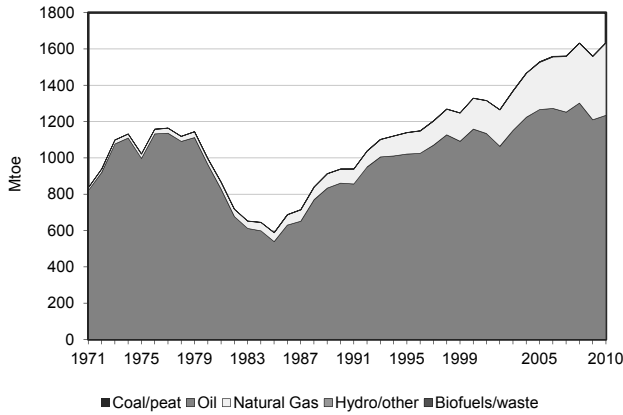
## Electricity and Heat Output

Electricity generated - GWh	395539	17	22225	672631	288929	309968	2274	3690	-	264	1695537
Heat generated - TJ	1797790	26036	341011	5075337	21989	-	329205	159810	18	12893	7764089

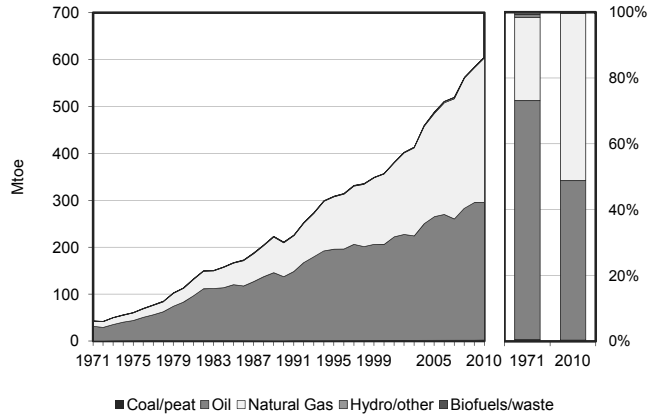
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Middle East

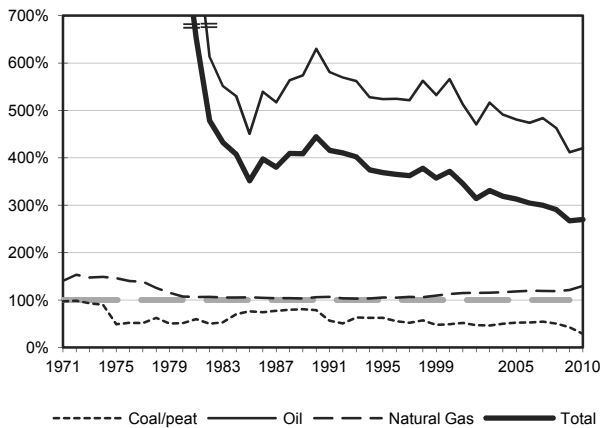
**Figure 1. Energy production**



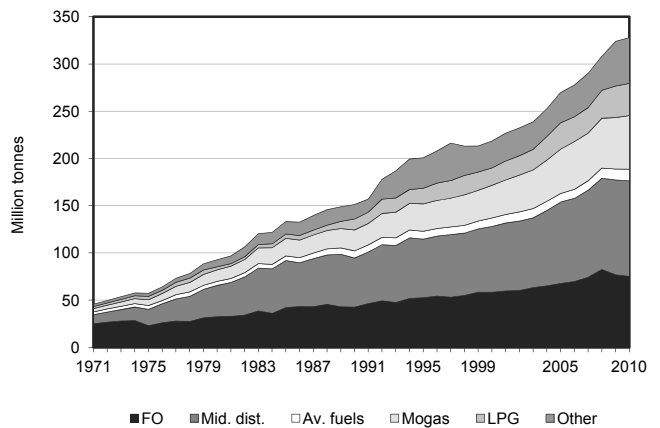
**Figure 2. Total primary energy supply\***



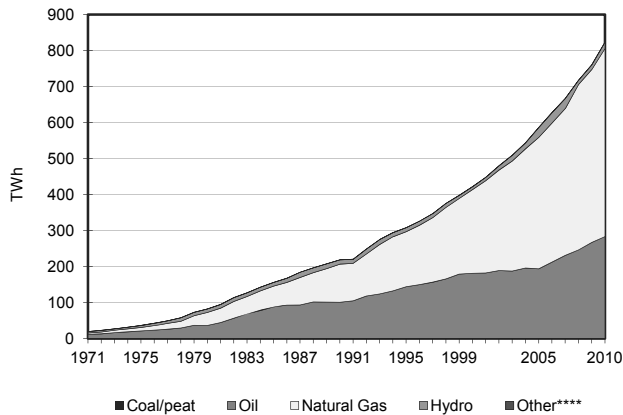
**Figure 3. Energy self-sufficiency\*\***



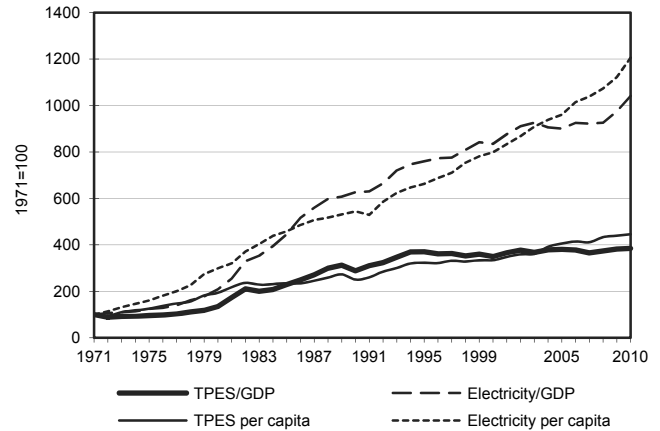
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 700%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Middle East

2009

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	0.77	1209.37	-	348.32	-	1.12	0.15	0.57	-	-	1560.31
Imports	1.06	12.23	60.50	24.75	-	-	-	0.04	0.85	-	99.42
Exports	-0.02	-823.58	-144.24	-85.99	-	-	-	-	-1.18	-	-1055.01
Intl. marine bunkers	-	-	-18.56	-	-	-	-	-	-	-	-18.56
Intl. aviation bunkers	-	-	-11.41	-	-	-	-	-	-	-	-11.41
Stock changes	-	8.02	1.39	-	-	-	-	-	-	-	9.41
<b>TPES</b>	<b>1.81</b>	<b>406.04</b>	<b>-112.32</b>	<b>287.08</b>	-	<b>1.12</b>	<b>0.15</b>	<b>0.60</b>	<b>-0.33</b>	-	<b>584.15</b>
Electricity and CHP plants	-0.13	-23.50	-56.55	-116.65	-	-1.12	-0.02	-0.00	65.41	-	-132.56
Oil refineries	-	-322.41	315.20	-	-	-	-	-	-	-	-7.22
Other transformation*	-0.81	-55.12	57.25	-46.28	-	-	-	-0.07	-13.57	-	-58.61
<b>TFC</b>	<b>0.87</b>	<b>5.00</b>	<b>203.57</b>	<b>124.15</b>	-	-	<b>0.13</b>	<b>0.53</b>	<b>51.52</b>	-	<b>385.77</b>
<b>INDUSTRY</b>	<b>0.86</b>	<b>5.00</b>	<b>29.17</b>	<b>56.05</b>	-	-	<b>0.00</b>	-	<b>10.21</b>	-	<b>101.30</b>
Iron and steel	0.03	-	-	0.29	-	-	-	-	0.89	-	1.22
Chemical and petrochemical	-	-	0.13	12.89	-	-	-	-	0.73	-	13.75
Non-metallic minerals	0.62	-	-	0.18	-	-	-	-	0.09	-	0.89
Other/non-specified	0.20	5.00	29.05	42.69	-	-	0.00	-	8.50	-	85.44
<b>TRANSPORT</b>	-	-	<b>110.36</b>	<b>3.24</b>	-	-	-	-	<b>0.02</b>	-	<b>113.63</b>
Domestic aviation	-	-	0.79	-	-	-	-	-	-	-	0.79
Road	-	-	106.39	2.91	-	-	-	-	-	-	109.30
Other/non-specified	-	-	3.18	0.33	-	-	-	-	0.02	-	3.54
<b>OTHER</b>	<b>0.01</b>	-	<b>28.49</b>	<b>40.43</b>	-	-	<b>0.13</b>	<b>0.53</b>	<b>41.28</b>	-	<b>110.87</b>
Residential	0.01	-	18.80	35.01	-	-	0.11	0.13	23.12	-	77.19
Comm. and public services	-	-	3.21	4.80	-	-	0.02	-	12.67	-	20.70
Agriculture/forestry	-	-	5.52	0.34	-	-	-	-	2.43	-	8.29
Other/non-specified	-	-	0.96	0.27	-	-	-	0.40	3.06	-	4.69
<b>NON-ENERGY USE</b>	-	-	<b>35.54</b>	<b>24.43</b>	-	-	-	-	-	-	<b>59.97</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	376	-	267091	479907	-	13007	228	9	-	-	760618
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	0.68	1233.71	-	398.67	-	1.53	0.15	0.57	-	-	1635.32
Imports	1.78	8.61	60.37	28.71	-	-	-	0.03	1.14	-	100.64
Exports	-0.08	-851.72	-151.48	-119.55	-	-	-	-	-1.37	-	-1124.20
Intl. marine bunkers	-	-	-20.34	-	-	-	-	-	-	-	-20.34
Intl. aviation bunkers	-	-	-12.33	-	-	-	-	-	-	-	-12.33
Stock changes	-	26.47	0.30	-	-	-	-	-	-	-	26.77
<b>TPES</b>	<b>2.38</b>	<b>417.08</b>	<b>-123.49</b>	<b>307.83</b>	-	<b>1.53</b>	<b>0.15</b>	<b>0.60</b>	<b>-0.24</b>	-	<b>605.85</b>
Electricity and CHP plants	-0.12	-26.89	-58.65	-123.33	-	-1.53	-0.01	-0.00	70.85	-	-139.69
Oil refineries	-	-329.15	322.84	-	-	-	-	-	-	-	-6.31
Other transformation*	-1.09	-54.90	59.07	-52.99	-	-	-	-0.08	-14.24	-	-64.22
<b>TFC</b>	<b>1.17</b>	<b>6.15</b>	<b>199.77</b>	<b>131.51</b>	-	-	<b>0.14</b>	<b>0.52</b>	<b>56.37</b>	-	<b>395.64</b>
<b>INDUSTRY</b>	<b>1.16</b>	<b>6.15</b>	<b>29.52</b>	<b>61.37</b>	-	-	<b>0.00</b>	-	<b>10.99</b>	-	<b>109.18</b>
Iron and steel	0.01	-	-	0.30	-	-	-	-	1.12	-	1.42
Chemical and petrochemical	-	-	0.16	14.34	-	-	-	-	0.90	-	15.40
Non-metallic minerals	0.94	-	-	0.19	-	-	-	-	0.09	-	1.21
Other/non-specified	0.21	6.15	29.36	46.54	-	-	0.00	-	8.89	-	91.15
<b>TRANSPORT</b>	-	-	<b>110.10</b>	<b>5.10</b>	-	-	-	-	<b>0.03</b>	-	<b>115.23</b>
Domestic aviation	-	-	0.81	-	-	-	-	-	-	-	0.81
Road	-	-	109.20	4.69	-	-	-	-	-	-	113.89
Other/non-specified	-	-	0.09	0.41	-	-	-	-	0.03	-	0.53
<b>OTHER</b>	<b>0.01</b>	-	<b>26.10</b>	<b>40.29</b>	-	-	<b>0.14</b>	<b>0.52</b>	<b>45.36</b>	-	<b>112.41</b>
Residential	0.01	-	16.75	34.56	-	-	0.12	0.12	25.00	-	76.56
Comm. and public services	-	-	2.95	5.01	-	-	0.02	-	13.99	-	21.97
Agriculture/forestry	-	-	5.49	0.36	-	-	-	-	2.58	-	8.44
Other/non-specified	-	-	0.91	0.36	-	-	-	0.40	3.78	-	5.45
<b>NON-ENERGY USE</b>	-	-	<b>34.06</b>	<b>24.75</b>	-	-	-	-	-	-	<b>58.81</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	353	-	283236	522248	-	17784	166	13	-	-	823800
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.





# **GRAPHS AND ENERGY BALANCE SHEETS**

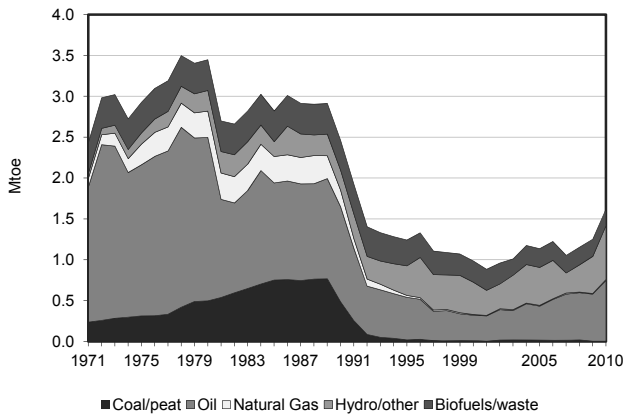
**2009-2010**

**COUNTRIES**

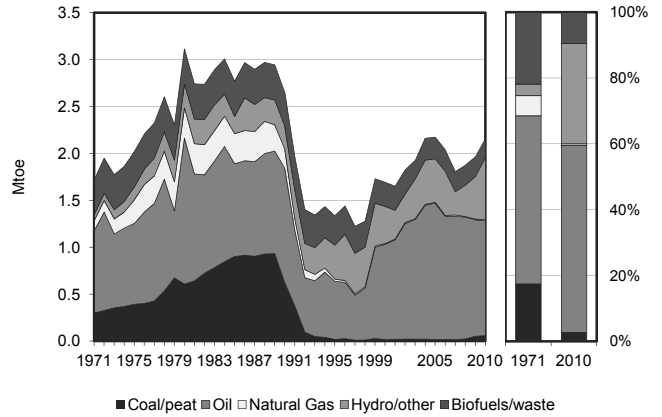


### Albania

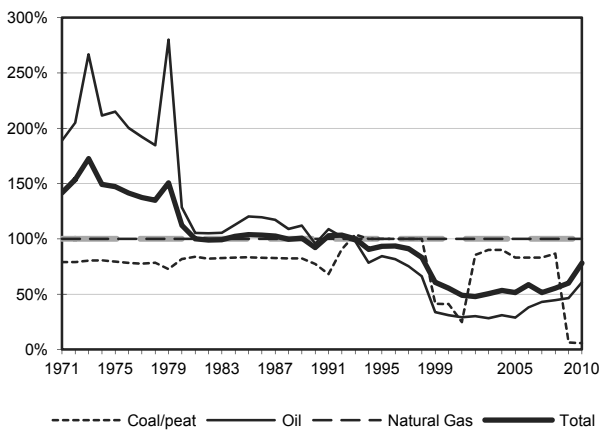
**Figure 1. Energy production**



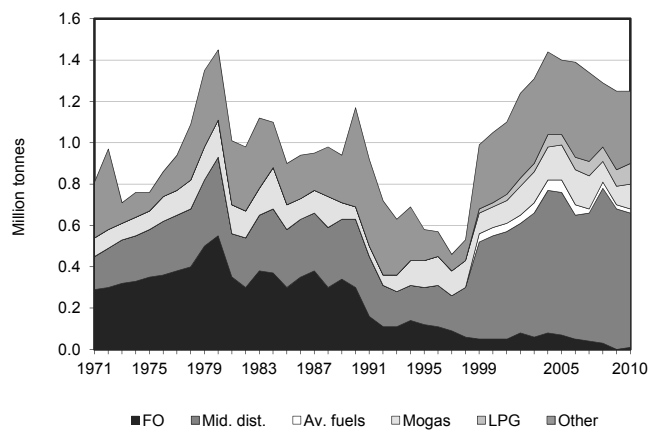
**Figure 2. Total primary energy supply\***



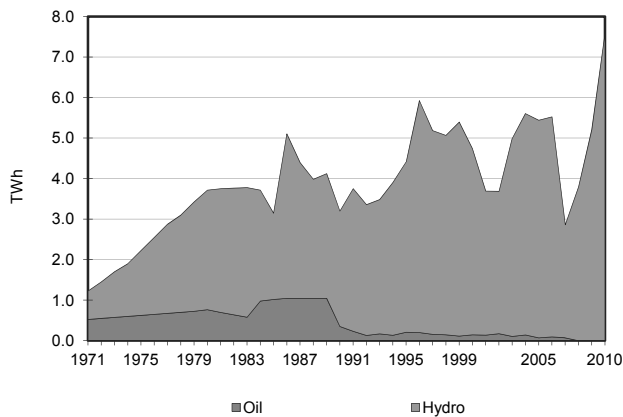
**Figure 3. Energy self-sufficiency\*\***



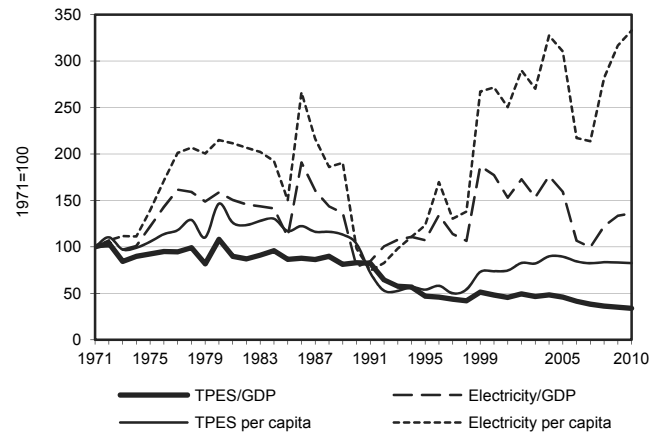
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Albania

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3	577	-	7	-	448	7	210	-	-	1252
Imports	50	73	1026	-	-	-	-	-	162	-	1311
Exports	-	-338	-24	-	-	-	-	-	-42	-	-404
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-18	-	-	-	-	-	-	-	-18
Stock changes	-	15	-71	-	-	-	-	-	-	-	-56
<b>TPES</b>	<b>53</b>	<b>327</b>	<b>913</b>	<b>7</b>	<b>-</b>	<b>448</b>	<b>7</b>	<b>210</b>	<b>120</b>	<b>-</b>	<b>2085</b>
Electricity and CHP plants	-	-	-2	-	-	-448	-	-	448	-	-2
Oil refineries	-	-355	341	-	-	-	-	-	-	-	-14
Other transformation*	0	28	-50	-7	-	-	0	-	-106	-	-134
<b>TFC</b>	<b>53</b>	<b>-</b>	<b>1202</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>210</b>	<b>462</b>	<b>-</b>	<b>1935</b>
<b>INDUSTRY</b>	<b>50</b>	<b>-</b>	<b>104</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>71</b>	<b>-</b>	<b>228</b>
Iron and steel	-	-	16	-	-	-	-	-	10	-	26
Chemical and petrochemical	-	-	19	-	-	-	-	-	4	-	23
Non-metallic minerals	50	-	28	-	-	-	-	-	4	-	82
Other/non-specified	-	-	41	1	-	-	-	2	53	-	97
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>736</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>736</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	722	-	-	-	-	-	-	-	722
Other/non-specified	-	-	14	-	-	-	-	-	-	-	14
<b>OTHER</b>	<b>3</b>	<b>-</b>	<b>183</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>208</b>	<b>391</b>	<b>-</b>	<b>792</b>
Residential	1	-	73	-	-	-	2	180	224	-	480
Comm. and public services	2	-	48	-	-	-	5	22	94	-	170
Agriculture/forestry	-	-	37	-	-	-	-	6	8	-	52
Other/non-specified	-	-	25	-	-	-	-	-	65	-	90
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>179</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>179</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1	-	-	5206	-	-	-	-	5207
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

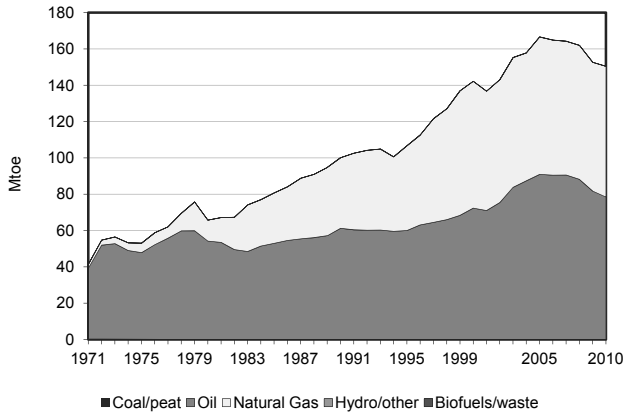
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3	744	-	12	-	652	7	205	-	-	1622
Imports	55	-	1091	-	-	-	-	-	171	-	1317
Exports	-	-498	-3	-	-	-	-	-	-252	-	-754
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-18	-	-	-	-	-	-	-	-18
Stock changes	-	-90	-	-	-	-	-	-	-	-	-90
<b>TPES</b>	<b>58</b>	<b>156</b>	<b>1070</b>	<b>12</b>	<b>-</b>	<b>652</b>	<b>7</b>	<b>205</b>	<b>-82</b>	<b>-</b>	<b>2077</b>
Electricity and CHP plants	-	-	-5	-	-	-652	-	-	652	-	-5
Oil refineries	-	-157	157	-	-	-	-	-	-	-	-0
Other transformation*	-	1	-22	-11	-	-	-	-	-82	-	-114
<b>TFC</b>	<b>58</b>	<b>-</b>	<b>1199</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>205</b>	<b>488</b>	<b>-</b>	<b>1958</b>
<b>INDUSTRY</b>	<b>55</b>	<b>-</b>	<b>146</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>89</b>	<b>-</b>	<b>294</b>
Iron and steel	-	-	15	-	-	-	-	-	12	-	26
Chemical and petrochemical	-	-	11	-	-	-	-	-	7	-	18
Non-metallic minerals	55	-	88	-	-	-	-	-	4	-	147
Other/non-specified	-	-	32	1	-	-	-	3	66	-	102
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>742</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>742</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	729	-	-	-	-	-	-	-	729
Other/non-specified	-	-	13	-	-	-	-	-	-	-	13
<b>OTHER</b>	<b>3</b>	<b>-</b>	<b>202</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>202</b>	<b>399</b>	<b>-</b>	<b>812</b>
Residential	1	-	85	-	-	-	2	180	223	-	490
Comm. and public services	2	-	34	-	-	-	5	15	103	-	159
Agriculture/forestry	-	-	63	-	-	-	-	7	9	-	79
Other/non-specified	-	-	20	-	-	-	-	-	64	-	84
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>110</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1	-	-	7579	-	-	-	-	7580
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

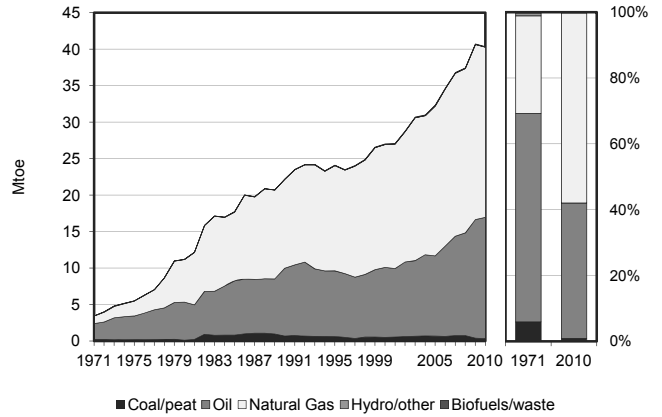
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Algeria

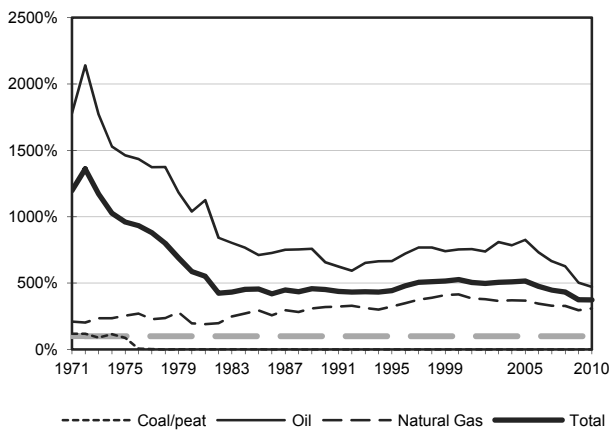
**Figure 1. Energy production**



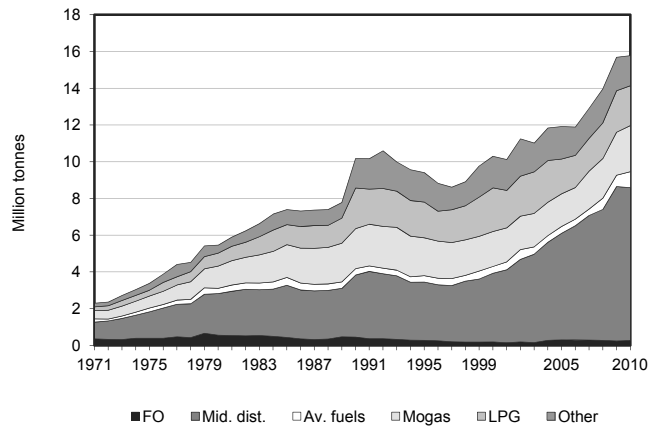
**Figure 2. Total primary energy supply\***



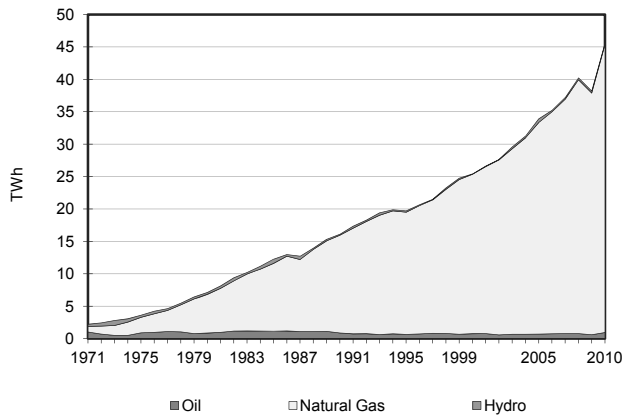
**Figure 3. Energy self-sufficiency\*\***



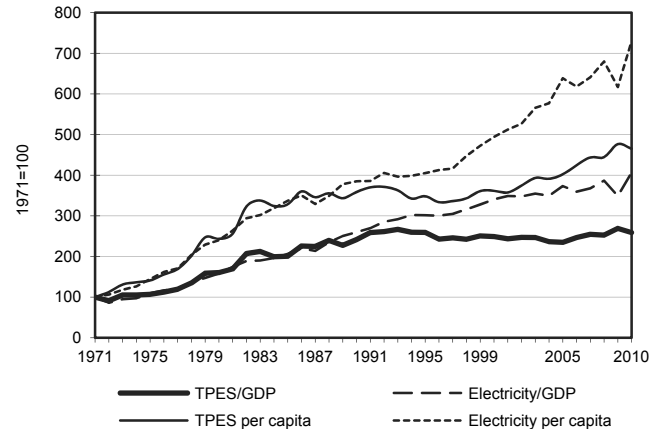
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Algeria

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	81733	-	70900	-	26	-	77	-	-	152736
Imports	266	370	1249	-	-	-	-	-	28	-	1914
Exports	-	-47665	-18949	-46915	-	-	-	-	-31	-	-113560
Intl. marine bunkers	-	-	-286	-	-	-	-	-	-	-	-286
Intl. aviation bunkers	-	-	-473	-	-	-	-	-	-	-	-473
Stock changes	154	123	140	-	-	-	-	-	-	-	416
<b>TPES</b>	<b>420</b>	<b>34561</b>	<b>-18319</b>	<b>23985</b>	<b>-</b>	<b>26</b>	<b>-</b>	<b>77</b>	<b>-3</b>	<b>-</b>	<b>40746</b>
Transfers	-	-9602	10126	-	-	-	-	-	-	-	524
Statistical differences	-	132	206	261	-	-	-	-	-6	-	592
Electricity plants	-	-	-185	-10259	-	-26	-	-	3285	-	-7186
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-174	-	-	-	-	-	-	-	-	-	-174
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-48	-	-	-	-	-	-	-	-	-	-48
Oil refineries	-	-24430	23130	-	-	-	-	-	-	-	-1300
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-486	-303	-4108	-	-	-	-	-232	-	-5130
Losses	-80	-175	-	-197	-	-	-	-	-676	-	-1128
<b>TFC</b>	<b>118</b>	<b>-</b>	<b>14654</b>	<b>9681</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>77</b>	<b>2368</b>	<b>-</b>	<b>26897</b>
<b>INDUSTRY</b>	<b>118</b>	<b>-</b>	<b>1005</b>	<b>2529</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>837</b>	<b>-</b>	<b>4489</b>
Iron and steel	118	-	-	261	-	-	-	-	64	-	442
Chemical and petrochemical	-	-	-	39	-	-	-	-	71	-	110
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	91	-	-	-	-	-	-	91
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	266	-	-	-	-	87	-	353
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	642	1769	-	-	-	-	245	-	2656
Textile and leather	-	-	-	29	-	-	-	-	19	-	48
Non-specified	-	-	363	74	-	-	-	-	351	-	788
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>10036</b>	<b>1569</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>46</b>	<b>-</b>	<b>11652</b>
Domestic aviation	-	-	187	-	-	-	-	-	-	-	187
Road	-	-	9811	-	-	-	-	-	-	-	9811
Rail	-	-	38	-	-	-	-	-	37	-	76
Pipeline transport	-	-	-	1569	-	-	-	-	9	-	1578
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>2470</b>	<b>4323</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>77</b>	<b>1484</b>	<b>-</b>	<b>8354</b>
Residential	-	-	1749	3765	-	-	-	77	876	-	6467
Comm. and publ. services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	35	23	-	-	-	-	46	-	104
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	686	535	-	-	-	-	562	-	1783
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1143</b>	<b>1259</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2402</b>
in industry/transf./energy	-	-	1143	1259	-	-	-	-	-	-	2402
of which: feedstocks	-	-	283	1259	-	-	-	-	-	-	1542
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>607</b>	<b>37282</b>	<b>-</b>	<b>306</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38195</b>
Electricity plants	-	-	607	37282	-	306	-	-	-	-	38195
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Algeria

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	78468	-	71962	-	15	-	74	-	-	150519
Imports	337	324	912	-	-	-	-	-	63	-	1636
Exports	-	-40881	-21042	-48644	-	-	-	-	-69	-	-110636
Intl. marine bunkers	-	-	-316	-	-	-	-	-	-	-	-316
Intl. aviation bunkers	-	-	-497	-	-	-	-	-	-	-	-497
Stock changes	5	-186	-154	-	-	-	-	-	-	-	-335
<b>TPES</b>	<b>343</b>	<b>37724</b>	<b>-21097</b>	<b>23318</b>	-	<b>15</b>	-	<b>74</b>	<b>-6</b>	-	<b>40371</b>
Transfers	-	-8748	9226	-	-	-	-	-	-	-	478
Statistical differences	-	372	-276	325	-	-	-	-	15	-	435
Electricity plants	-	-	-313	-10269	-	-15	-	-	3918	-	-6679
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-161	-	-	-	-	-	-	-	-	-	-161
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-28602	27260	-	-	-	-	-	-	-	-1342
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-521	-298	-3733	-	-	-	-	-267	-	-4818
Losses	-74	-225	-	-170	-	-	-	-	-782	-	-1250
<b>TFC</b>	<b>108</b>	-	<b>14502</b>	<b>9471</b>	-	-	-	<b>74</b>	<b>2878</b>	-	<b>27034</b>
<b>INDUSTRY</b>	<b>108</b>	-	<b>920</b>	<b>2994</b>	-	-	-	-	<b>1092</b>	-	<b>5115</b>
Iron and steel	108	-	-	325	-	-	-	-	103	-	536
Chemical and petrochemical	-	-	-	45	-	-	-	-	99	-	144
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	87	-	-	-	-	-	-	87
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	147	-	-	-	-	103	-	250
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	597	2280	-	-	-	-	277	-	3153
Textile and leather	-	-	-	25	-	-	-	-	25	-	50
Non-specified	-	-	323	85	-	-	-	-	485	-	894
<b>TRANSPORT</b>	-	-	<b>10357</b>	<b>982</b>	-	-	-	-	<b>55</b>	-	<b>11393</b>
Domestic aviation	-	-	425	-	-	-	-	-	-	-	425
Road	-	-	9892	-	-	-	-	-	-	-	9892
Rail	-	-	39	-	-	-	-	-	44	-	83
Pipeline transport	-	-	-	982	-	-	-	-	11	-	992
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2396</b>	<b>4220</b>	-	-	-	<b>74</b>	<b>1732</b>	-	<b>8422</b>
Residential	-	-	1737	3676	-	-	-	74	1011	-	6498
Comm. and publ. services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	32	28	-	-	-	-	86	-	146
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	627	516	-	-	-	-	634	-	1777
<b>NON-ENERGY USE</b>	-	-	<b>829</b>	<b>1276</b>	-	-	-	-	-	-	<b>2105</b>
in industry/transf./energy	-	-	829	1276	-	-	-	-	-	-	2105
of which: feedstocks	-	-	205	1276	-	-	-	-	-	-	1481
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	-	-	<b>964</b>	<b>44422</b>	-	<b>174</b>	-	-	-	-	<b>45560</b>
Electricity plants	-	-	964	44422	-	174	-	-	-	-	45560
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Angola

Figure 1. Energy production

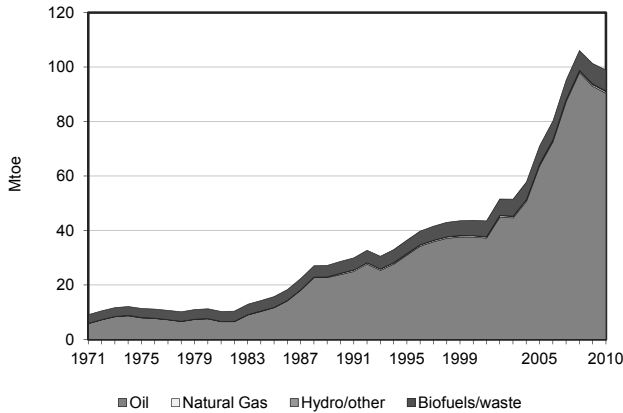


Figure 2. Total primary energy supply\*

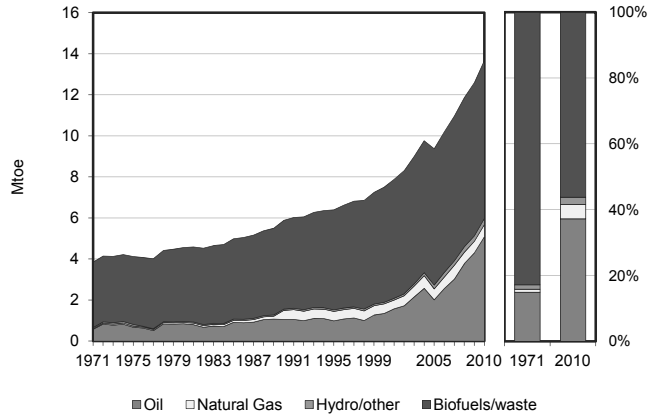


Figure 3. Energy self-sufficiency\*\*

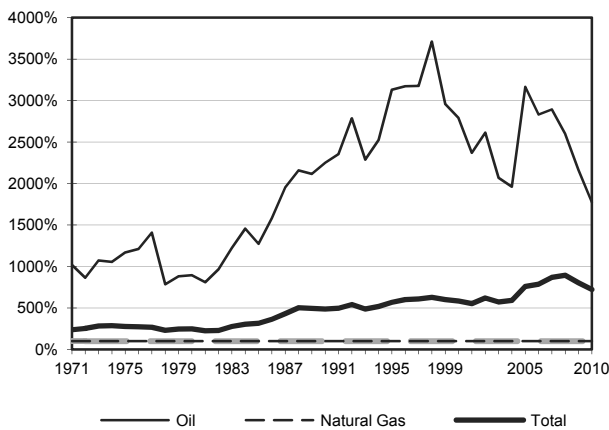


Figure 4. Oil products demand\*\*\*

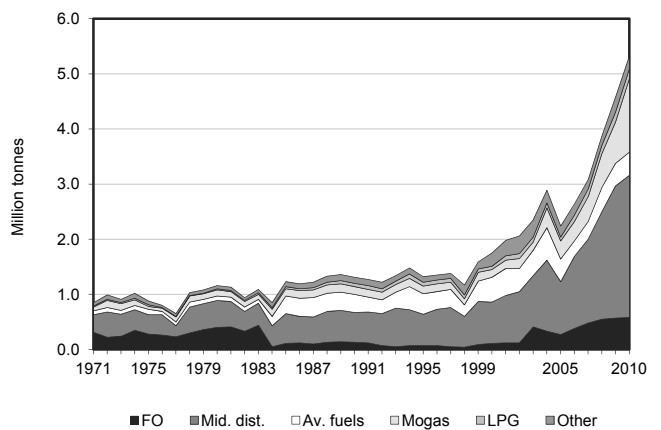


Figure 5. Electricity generation by fuel

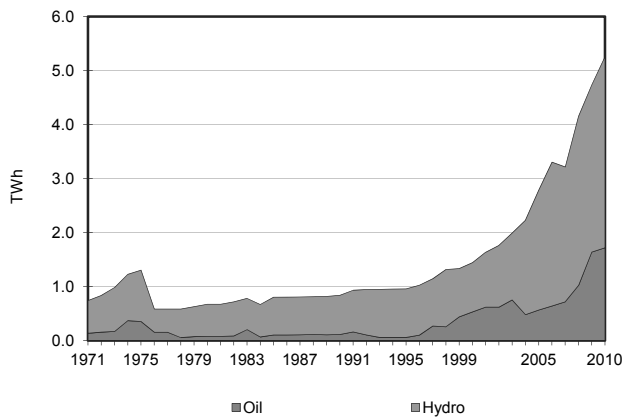
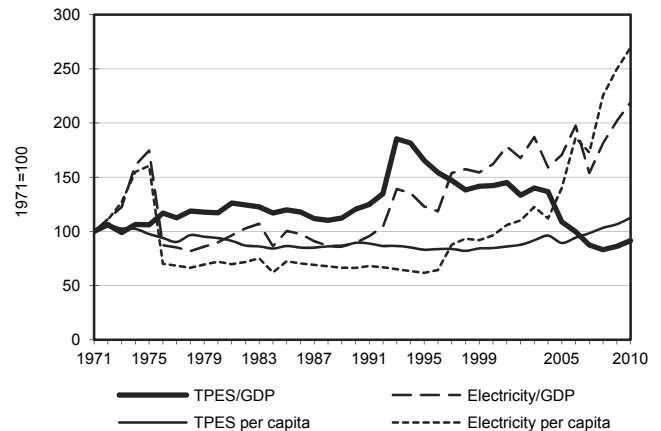


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Angola

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	92971	-	563	-	266	-	7471	-	-	101271
Imports	-	-	3260	-	-	-	-	-	-	-	3260
Exports	-	-90483	-1240	-	-	-	-	-	-	-	-91723
Intl. marine bunkers	-	-	-183	-	-	-	-	-	-	-	-183
Intl. aviation bunkers	-	-	-206	-	-	-	-	-	-	-	-206
Stock changes	-	26	154	-	-	-	-	-	-	-	180
<b>TPES</b>	-	<b>2514</b>	<b>1786</b>	<b>563</b>	-	<b>266</b>	-	<b>7471</b>	-	-	<b>12600</b>
Electricity and CHP plants	-	-	-706	-	-	-266	-	-	407	-	-565
Oil refineries	-	-1890	1892	-	-	-	-	-	-	-	2
Other transformation*	-	-624	565	-	-	-	-	-1967	-64	-	-2089
<b>TFC</b>	-	-	<b>3537</b>	<b>563</b>	-	-	-	<b>5504</b>	<b>343</b>	-	<b>9948</b>
<b>INDUSTRY</b>	-	-	<b>283</b>	<b>563</b>	-	-	-	<b>132</b>	<b>107</b>	-	<b>1086</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	283	563	-	-	-	132	107	-	1086
<b>TRANSPORT</b>	-	-	<b>1895</b>	-	-	-	-	-	-	-	<b>1895</b>
Domestic aviation	-	-	227	-	-	-	-	-	-	-	227
Road	-	-	1655	-	-	-	-	-	-	-	1655
Other/non-specified	-	-	13	-	-	-	-	-	-	-	13
<b>OTHER</b>	-	-	<b>1171</b>	-	-	-	-	<b>5372</b>	<b>236</b>	-	<b>6779</b>
Residential	-	-	425	-	-	-	-	5372	236	-	6034
Comm. and public services	-	-	735	-	-	-	-	-	-	-	735
Agriculture/forestry	-	-	4	-	-	-	-	-	-	-	4
Other/non-specified	-	-	6	-	-	-	-	-	-	-	6
<b>NON-ENERGY USE</b>	-	-	<b>187</b>	-	-	-	-	-	-	-	<b>187</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1641	-	-	3094	-	-	-	-	4735
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	90332	-	596	-	304	-	7683	-	-	98915
Imports	-	-	3691	-	-	-	-	-	-	-	3691
Exports	-	-85917	-673	-	-	-	-	-	-	-	-86590
Intl. marine bunkers	-	-	-174	-	-	-	-	-	-	-	-174
Intl. aviation bunkers	-	-	-210	-	-	-	-	-	-	-	-210
Stock changes	-	-1886	-75	-	-	-	-	-	-	-	-1960
<b>TPES</b>	-	<b>2530</b>	<b>2559</b>	<b>596</b>	-	<b>304</b>	-	<b>7683</b>	-	-	<b>13672</b>
Electricity and CHP plants	-	-	-741	-	-	-304	-	-	452	-	-593
Oil refineries	-	-1923	1888	-	-	-	-	-	-	-	-35
Other transformation*	-	-607	586	-	-	-	-	-2023	-71	-	-2115
<b>TFC</b>	-	-	<b>4292</b>	<b>596</b>	-	-	-	<b>5661</b>	<b>381</b>	-	<b>10930</b>
<b>INDUSTRY</b>	-	-	<b>306</b>	<b>596</b>	-	-	-	<b>136</b>	<b>119</b>	-	<b>1157</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	306	596	-	-	-	136	119	-	1157
<b>TRANSPORT</b>	-	-	<b>2531</b>	-	-	-	-	-	-	-	<b>2531</b>
Domestic aviation	-	-	232	-	-	-	-	-	-	-	232
Road	-	-	2286	-	-	-	-	-	-	-	2286
Other/non-specified	-	-	13	-	-	-	-	-	-	-	13
<b>OTHER</b>	-	-	<b>1298</b>	-	-	-	-	<b>5525</b>	<b>262</b>	-	<b>7085</b>
Residential	-	-	444	-	-	-	-	5525	262	-	6231
Comm. and public services	-	-	839	-	-	-	-	-	-	-	839
Agriculture/forestry	-	-	4	-	-	-	-	-	-	-	4
Other/non-specified	-	-	11	-	-	-	-	-	-	-	11
<b>NON-ENERGY USE</b>	-	-	<b>156</b>	-	-	-	-	-	-	-	<b>156</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1721	-	-	3535	-	-	-	-	5256
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Argentina

Figure 1. Energy production

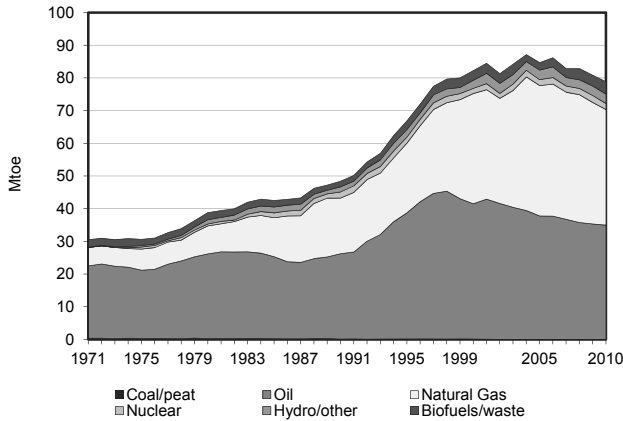


Figure 2. Total primary energy supply\*

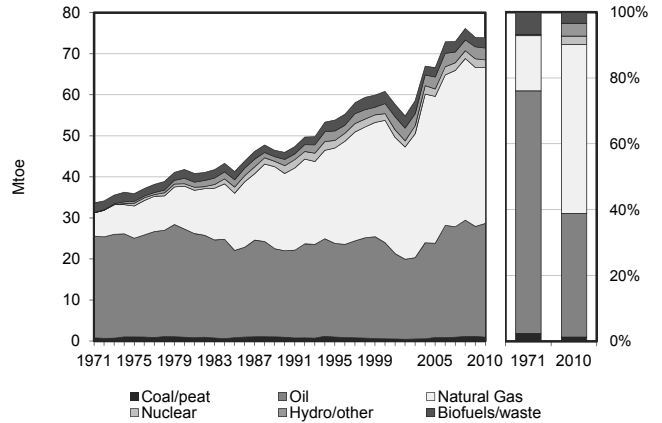


Figure 3. Energy self-sufficiency\*\*

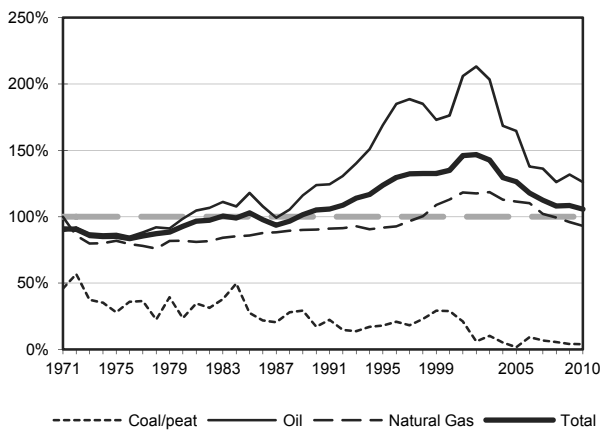


Figure 4. Oil products demand\*\*\*

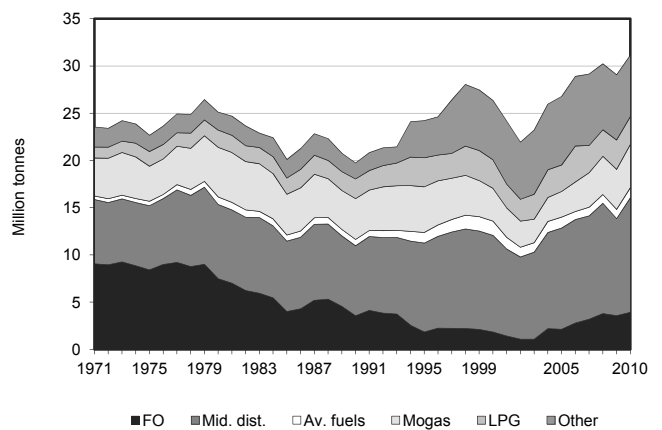


Figure 5. Electricity generation by fuel

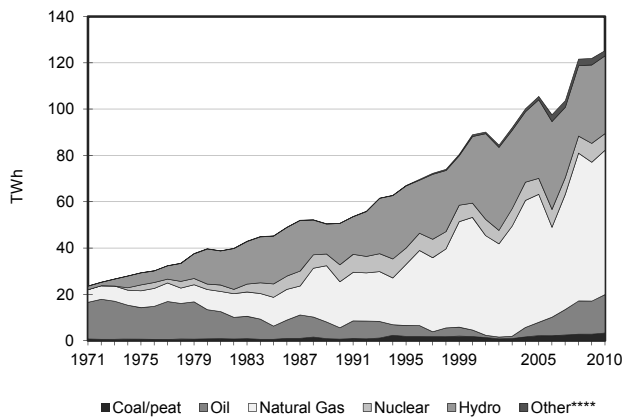
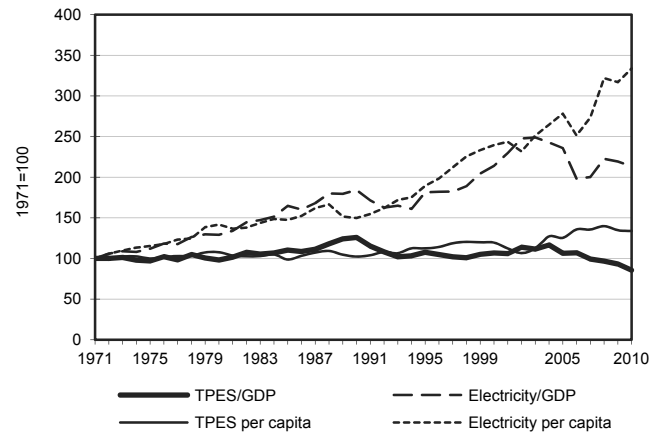


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Argentina

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	48	35301	-	37160	2127	2912	3	3269	-	-	80821
Imports	1153	-	1281	2071	-	-	-	-	740	-	5244
Exports	-66	-4680	-3805	-514	-	-	-	-1011	-210	-	-10286
Intl. marine bunkers	-	-	-945	-	-	-	-	-	-	-	-945
Intl. aviation bunkers	-	-	-474	-	-	-	-	-	-	-	-474
Stock changes	30	33	78	-	-	-	-	32	-	-	173
<b>TPES</b>	<b>1165</b>	<b>30654</b>	<b>-3865</b>	<b>38718</b>	<b>2127</b>	<b>2912</b>	<b>3</b>	<b>2290</b>	<b>529</b>	<b>-</b>	<b>74534</b>
Transfers	-	-3299	3641	-	-	-	-	-	-	-	342
Statistical differences	-282	1443	-346	-745	-	-	-	0	-1	-	70
Electricity plants	-703	-	-3375	-12986	-2127	-2912	-3	-909	10485	-	-12529
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-367	-	-	-	-	-	-	-	-	-	-367
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	380	-	-648	-	-	-	-	-	-	-	-268
Oil refineries	-	-28797	28444	-	-	-	-	-	-	-	-353
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-141	-	-	-141
Energy industry own use	-1	-1	-882	-6174	-	-	-	-	-319	-	-7376
Losses	-	-	-59	-154	-	-	-	-	-1546	-	-1759
<b>TFC</b>	<b>192</b>	<b>-</b>	<b>22910</b>	<b>18659</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1241</b>	<b>9149</b>	<b>-</b>	<b>52150</b>
<b>INDUSTRY</b>	<b>192</b>	<b>-</b>	<b>4214</b>	<b>6234</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>897</b>	<b>3915</b>	<b>-</b>	<b>15452</b>
Iron and steel	38	-	-	1390	-	-	-	-	-	-	1428
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	325	-	-	-	-	-	-	325
Non-metallic minerals	-	-	-	1134	-	-	-	-	-	-	1134
Transport equipment	-	-	-	45	-	-	-	-	-	-	45
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	917	-	-	-	-	-	-	917
Paper pulp and printing	-	-	-	296	-	-	-	-	-	-	296
Wood and wood products	-	-	-	24	-	-	-	-	-	-	24
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	107	-	-	-	-	-	-	107
Non-specified	154	-	4214	1996	-	-	-	897	3915	-	11176
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>10661</b>	<b>2594</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>47</b>	<b>57</b>	<b>-</b>	<b>13360</b>
Domestic aviation	-	-	528	-	-	-	-	-	-	-	528
Road	-	-	10049	2203	-	-	-	47	-	-	12299
Rail	-	-	-	-	-	-	-	-	57	-	57
Pipeline transport	-	-	-	391	-	-	-	-	-	-	391
Domestic navigation	-	-	83	-	-	-	-	-	-	-	83
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>4800</b>	<b>8166</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>296</b>	<b>5177</b>	<b>-</b>	<b>18438</b>
Residential	-	-	1328	7097	-	-	-	268	2780	-	11474
Comm. and publ. services	-	-	240	1069	-	-	-	28	2325	-	3662
Agriculture/forestry	-	-	3231	-	-	-	-	-	71	-	3302
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>3235</b>	<b>1665</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4900</b>
in industry/transf./energy	-	-	3235	1665	-	-	-	-	-	-	4900
of which: feedstocks	-	-	2182	1665	-	-	-	-	-	-	3848
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2824</b>	<b>-</b>	<b>14277</b>	<b>59978</b>	<b>8161</b>	<b>33866</b>	<b>36</b>	<b>2777</b>	<b>-</b>	<b>-</b>	<b>121919</b>
Electricity plants	2824	-	14277	59978	8161	33866	36	2777	-	-	121919
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Argentina

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	38	34941	-	35361	1869	2888	2	3750	-	-	78849
Imports	949	-	3632	3003	-	-	-	-	886	-	8470
Exports	-44	-4661	-3980	-390	-	-	-	-1260	-146	-	-10480
Intl. marine bunkers	-	-	-1180	-	-	-	-	-	-	-	-1180
Intl. aviation bunkers	-	-	-659	-	-	-	-	-	-	-	-659
Stock changes	14	-202	-175	-	-	-	-	-2	-	-	-365
<b>TPES</b>	<b>957</b>	<b>30078</b>	<b>-2362</b>	<b>37974</b>	<b>1869</b>	<b>2888</b>	<b>2</b>	<b>2488</b>	<b>739</b>	<b>-</b>	<b>74635</b>
Transfers	-	-1480	1921	-	-	-	-	-	-	-	442
Statistical differences	-24	-	1470	-694	-	-	-	18	1	-	771
Electricity plants	-803	-	-3866	-12895	-1869	-2888	-2	-730	10773	-	-12281
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-367	-	-	-	-	-	-	-	-	-	-367
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	421	-	-600	-	-	-	-	-	-	-	-179
Oil refineries	-	-28598	28541	-	-	-	-	-	-	-	-56
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-150	-	-	-150
Energy industry own use	-1	-1	-1008	-6017	-	-	-	-	-369	-	-7397
Losses	-	-	-62	-176	-	-	-	-	-1446	-	-1685
<b>TFC</b>	<b>183</b>	<b>-</b>	<b>24035</b>	<b>18191</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1626</b>	<b>9697</b>	<b>-</b>	<b>53732</b>
<b>INDUSTRY</b>	<b>183</b>	<b>-</b>	<b>3909</b>	<b>5260</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>771</b>	<b>4156</b>	<b>-</b>	<b>14279</b>
Iron and steel	34	-	-	1715	-	-	-	-	-	-	1749
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	375	-	-	-	-	-	-	375
Non-metallic minerals	-	-	-	1111	-	-	-	-	-	-	1111
Transport equipment	-	-	-	57	-	-	-	-	-	-	57
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	857	-	-	-	-	-	-	857
Paper pulp and printing	-	-	-	378	-	-	-	-	-	-	378
Wood and wood products	-	-	-	29	-	-	-	-	-	-	29
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	113	-	-	-	-	-	-	113
Non-specified	149	-	3909	625	-	-	-	771	4156	-	9610
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>11781</b>	<b>2628</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>529</b>	<b>58</b>	<b>-</b>	<b>14995</b>
Domestic aviation	-	-	444	-	-	-	-	-	-	-	444
Road	-	-	10999	2229	-	-	-	529	-	-	13757
Rail	-	-	-	-	-	-	-	-	58	-	58
Pipeline transport	-	-	-	399	-	-	-	-	-	-	399
Domestic navigation	-	-	338	-	-	-	-	-	-	-	338
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>5203</b>	<b>8728</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>326</b>	<b>5483</b>	<b>-</b>	<b>19740</b>
Residential	-	-	1321	7683	-	-	-	303	2945	-	12252
Comm. and publ. services	-	-	292	1044	-	-	-	23	2463	-	3823
Agriculture/forestry	-	-	3590	-	-	-	-	-	75	-	3665
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>3141</b>	<b>1576</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4717</b>
in industry/transf./energy	-	-	3141	1576	-	-	-	-	-	-	4717
of which: feedstocks	-	-	2025	1576	-	-	-	-	-	-	3601
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3303</b>	<b>-</b>	<b>16596</b>	<b>62386</b>	<b>7171</b>	<b>33587</b>	<b>25</b>	<b>2195</b>	<b>-</b>	<b>-</b>	<b>125263</b>
Electricity plants	3303	-	16596	62386	7171	33587	25	2195	-	-	125263
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Armenia

Figure 1. Energy production

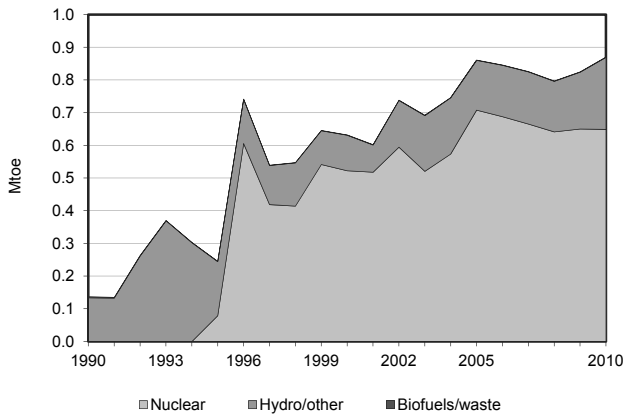


Figure 2. Total primary energy supply\*

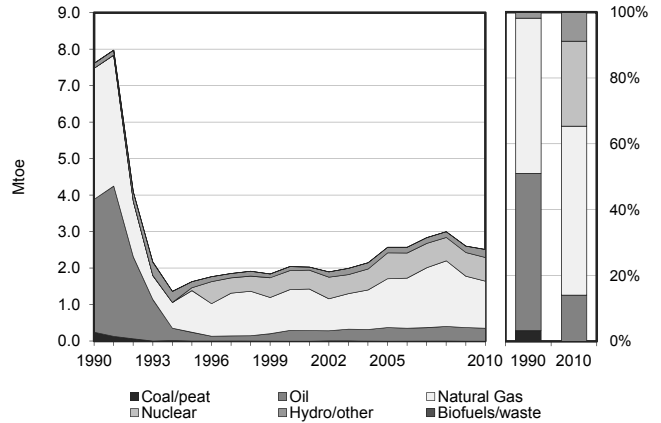


Figure 3. Energy self-sufficiency\*\*

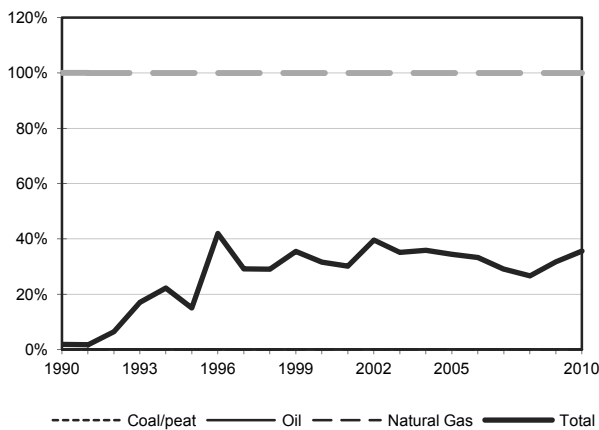


Figure 4. Oil products demand\*\*\*

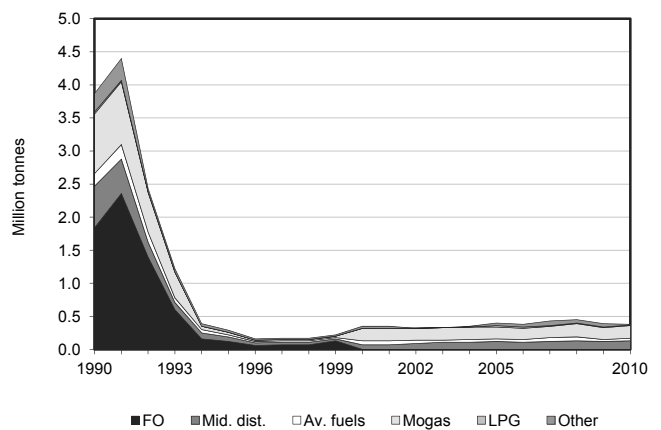


Figure 5. Electricity generation by fuel

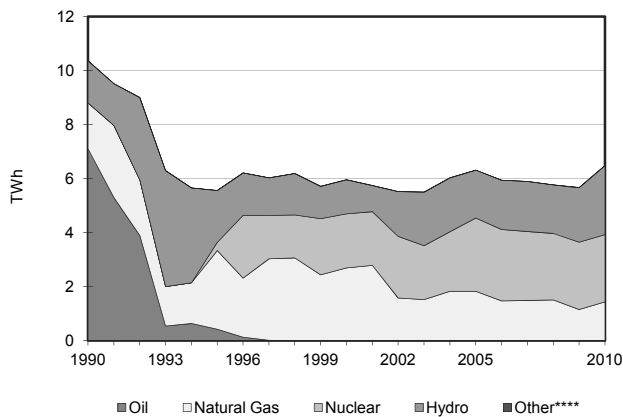
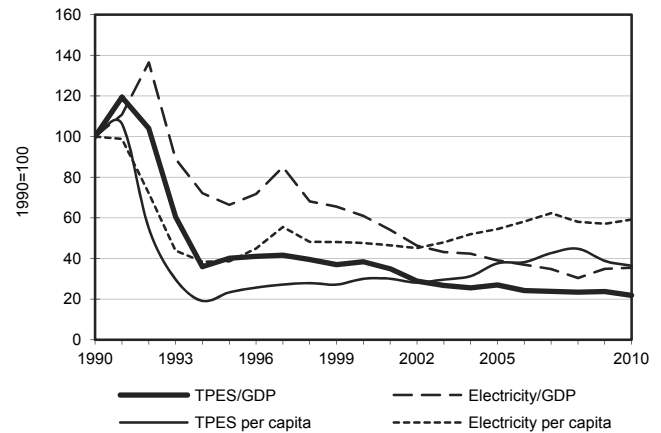


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Armenia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	650	174	0	1	-	-	825
Imports	-	-	401	1409	-	-	-	-	25	-	1835
Exports	-	-	-	-	-	-	-	-	-29	-	-29
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-30	-	-	-	-	-	-	-	-30
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>371</b>	<b>1409</b>	<b>650</b>	<b>174</b>	<b>0</b>	<b>1</b>	<b>-4</b>	-	<b>2601</b>
Electricity and CHP plants	-	-	-	-275	-650	-174	-0	-	488	23	-587
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-98	-1	-99
<b>TFC</b>	-	-	<b>371</b>	<b>1134</b>	-	-	-	<b>1</b>	<b>386</b>	<b>22</b>	<b>1915</b>
<b>INDUSTRY</b>	-	-	-	<b>409</b>	-	-	-	-	<b>87</b>	<b>12</b>	<b>508</b>
Iron and steel	-	-	-	-	-	-	-	-	0	-	0
Chemical and petrochemical	-	-	-	-	-	-	-	-	9	-	9
Non-metallic minerals	-	-	-	-	-	-	-	-	15	-	15
Other/non-specified	-	-	-	409	-	-	-	-	62	12	484
<b>TRANSPORT</b>	-	-	<b>193</b>	<b>248</b>	-	-	-	-	<b>10</b>	-	<b>451</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	193	248	-	-	-	-	-	-	441
Other/non-specified	-	-	-	-	-	-	-	-	10	-	10
<b>OTHER</b>	-	-	<b>130</b>	<b>477</b>	-	-	-	<b>1</b>	<b>289</b>	<b>10</b>	<b>907</b>
Residential	-	-	-	448	-	-	-	-	148	10	606
Comm. and public services	-	-	-	29	-	-	-	-	69	-	98
Agriculture/forestry	-	-	-	-	-	-	-	-	11	-	11
Other/non-specified	-	-	130	-	-	-	-	1	61	-	192
<b>NON-ENERGY USE</b>	-	-	<b>48</b>	-	-	-	-	-	-	-	<b>48</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	1154	2494	2019	4	-	-	-	5671
Heat generated - TJ	-	-	-	981	-	-	-	-	-	-	981

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	649	220	1	1	-	-	870
Imports	-	-	398	1370	-	-	-	-	24	-	1792
Exports	-	-	-1	-	-	-	-	-	-93	-	-94
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-44	-	-	-	-	-	-	-	-44
Stock changes	-	-	-	-79	-	-	-	-	-	-	-79
<b>TPES</b>	-	-	<b>353</b>	<b>1291</b>	<b>649</b>	<b>220</b>	<b>1</b>	<b>1</b>	<b>-68</b>	-	<b>2445</b>
Electricity and CHP plants	-	-	-	-269	-649	-220	-1	-	558	12	-569
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-89	-1	-89
<b>TFC</b>	-	-	<b>353</b>	<b>1021</b>	-	-	-	<b>1</b>	<b>401</b>	<b>11</b>	<b>1787</b>
<b>INDUSTRY</b>	-	-	-	<b>220</b>	-	-	-	-	<b>90</b>	<b>6</b>	<b>316</b>
Iron and steel	-	-	-	-	-	-	-	-	1	-	1
Chemical and petrochemical	-	-	-	-	-	-	-	-	10	-	10
Non-metallic minerals	-	-	-	-	-	-	-	-	15	-	15
Other/non-specified	-	-	-	220	-	-	-	-	64	6	289
<b>TRANSPORT</b>	-	-	<b>199</b>	<b>292</b>	-	-	-	-	<b>10</b>	-	<b>501</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	199	292	-	-	-	-	-	-	491
Other/non-specified	-	-	-	-	-	-	-	-	10	-	10
<b>OTHER</b>	-	-	<b>142</b>	<b>510</b>	-	-	-	<b>1</b>	<b>301</b>	<b>5</b>	<b>959</b>
Residential	-	-	-	382	-	-	-	-	150	5	537
Comm. and public services	-	-	-	32	-	-	-	-	69	-	101
Agriculture/forestry	-	-	-	-	-	-	-	-	11	-	11
Other/non-specified	-	-	142	96	-	-	-	1	71	-	310
<b>NON-ENERGY USE</b>	-	-	<b>12</b>	-	-	-	-	-	-	-	<b>12</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	1438	2490	2556	7	-	-	-	6491
Heat generated - TJ	-	-	-	494	-	-	-	-	-	-	494

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Azerbaijan

Figure 1. Energy production

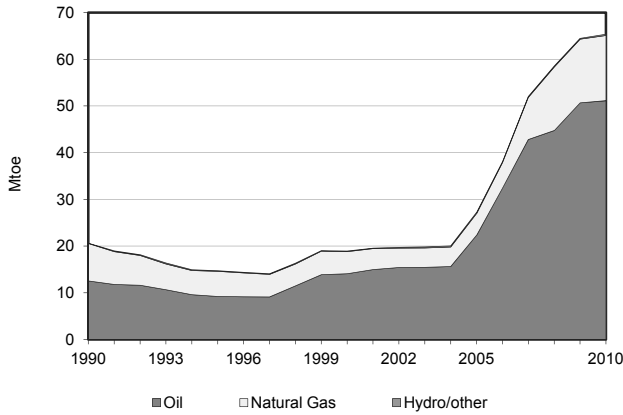


Figure 2. Total primary energy supply\*

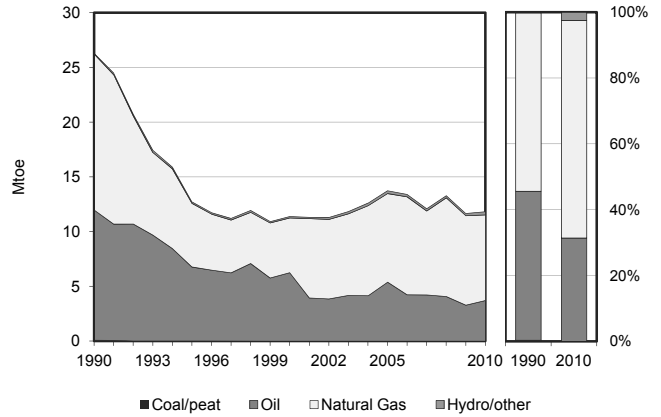


Figure 3. Energy self-sufficiency\*\*

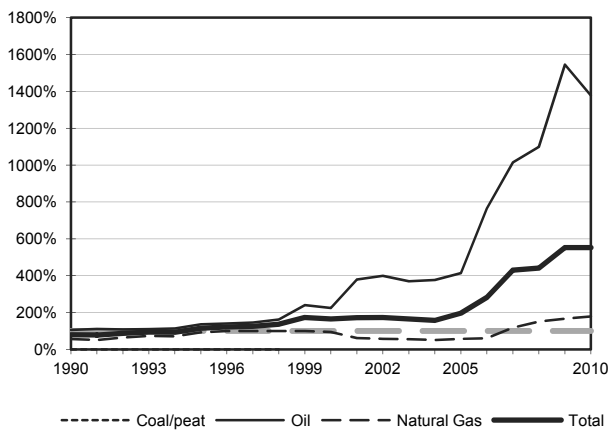


Figure 4. Oil products demand\*\*\*

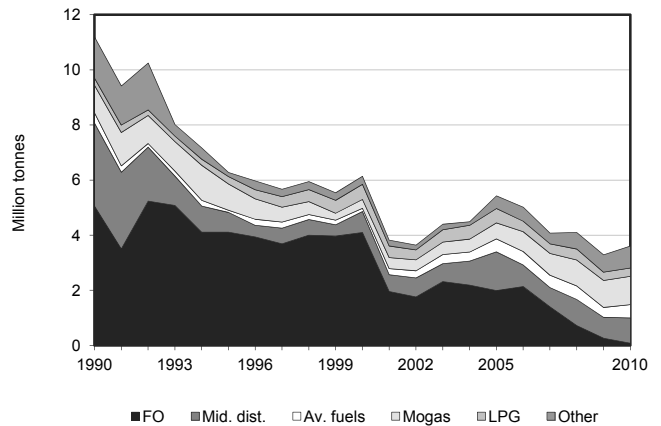


Figure 5. Electricity generation by fuel

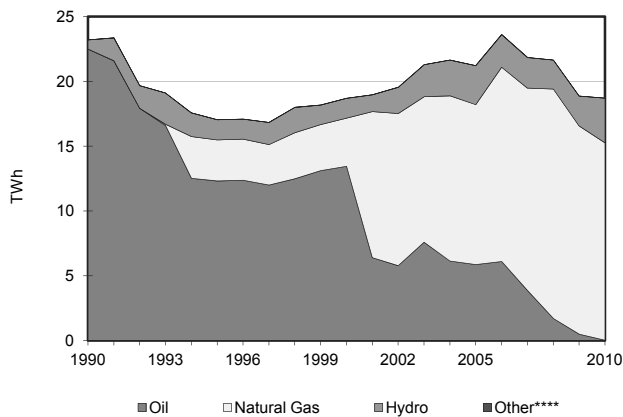
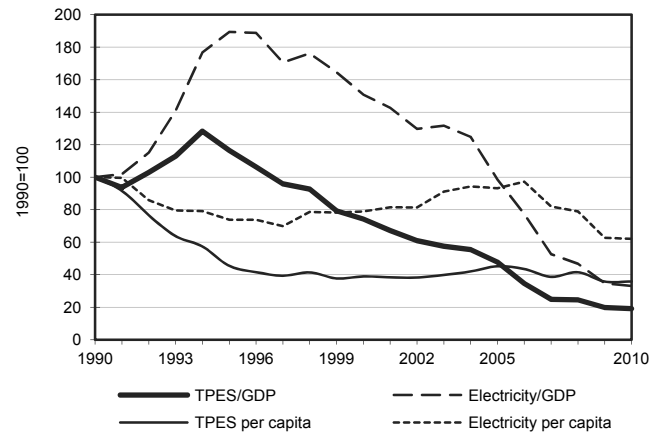


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Azerbaijan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	50683	-	13623	-	199	0	-	-	40	64545
Imports	-	1	37	-	-	-	-	-	9	-	47
Exports	-	-44553	-2417	-4909	-	-	-	-	-33	-	-51913
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-310	-	-	-	-	-	-	-	-310
Stock changes	-	-17	-144	-531	-	-	-	-	-	-	-691
<b>TPES</b>	-	<b>6114</b>	<b>-2834</b>	<b>8183</b>	-	<b>199</b>	<b>0</b>	-	<b>-23</b>	<b>40</b>	<b>11678</b>
Transfers	-	120	-104	-	-	-	-	-	-	-	17
Statistical differences	-	-107	-70	-16	-	-	-	-	-9	-	-202
Electricity plants	-	-	-10	-1989	-	-199	-0	-	985	-	-1212
CHP plants	-	-	-127	-2165	-	-	-	-	637	280	-1375
Heat plants	-	-	-	-79	-	-	-	-	-	57	-22
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-6128	6113	-	-	-	-	-	-	-	-15
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-435	-261	-	-	-	-	-173	-75	-944
Losses	-	-	-	-994	-	-	-	-	-353	-12	-1359
<b>TFC</b>	-	-	<b>2532</b>	<b>2678</b>	-	-	-	-	<b>1066</b>	<b>290</b>	<b>6565</b>
<b>INDUSTRY</b>	-	-	<b>117</b>	<b>273</b>	-	-	-	-	<b>166</b>	<b>219</b>	<b>775</b>
Iron and steel	-	-	3	3	-	-	-	-	22	8	36
Chemical and petrochemical	-	-	10	52	-	-	-	-	23	141	226
Non-ferrous metals	-	-	3	2	-	-	-	-	19	19	42
Non-metallic minerals	-	-	4	136	-	-	-	-	16	0	157
Transport equipment	-	-	-	-	-	-	-	-	1	0	1
Machinery	-	-	-	31	-	-	-	-	11	1	43
Mining and quarrying	-	-	1	0	-	-	-	-	5	-	7
Food and tobacco	-	-	27	27	-	-	-	-	18	50	122
Paper pulp and printing	-	-	-	0	-	-	-	-	1	-	1
Wood and wood products	-	-	-	0	-	-	-	-	0	-	1
Construction	-	-	45	-	-	-	-	-	40	-	85
Textile and leather	-	-	1	2	-	-	-	-	5	-	8
Non-specified	-	-	22	20	-	-	-	-	3	0	46
<b>TRANSPORT</b>	-	-	<b>1534</b>	-	-	-	-	-	<b>45</b>	-	<b>1579</b>
Domestic aviation	-	-	64	-	-	-	-	-	-	-	64
Road	-	-	1388	-	-	-	-	-	-	-	1388
Rail	-	-	10	-	-	-	-	-	35	-	45
Pipeline transport	-	-	-	-	-	-	-	-	10	-	10
Domestic navigation	-	-	72	-	-	-	-	-	-	-	72
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>393</b>	<b>2378</b>	-	-	-	-	<b>854</b>	<b>71</b>	<b>3696</b>
Residential	-	-	79	2342	-	-	-	-	503	37	2960
Comm. and publ. services	-	-	9	30	-	-	-	-	297	34	370
Agriculture/forestry	-	-	301	5	-	-	-	-	55	0	361
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	4	1	-	-	-	-	0	-	5
<b>NON-ENERGY USE</b>	-	-	<b>487</b>	<b>27</b>	-	-	-	-	-	-	<b>515</b>
in industry/transf./energy	-	-	450	27	-	-	-	-	-	-	477
of which: feedstocks	-	-	251	27	-	-	-	-	-	-	278
in transport	-	-	37	-	-	-	-	-	-	-	37
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	-	-	<b>501</b>	<b>16057</b>	-	<b>2309</b>	<b>2</b>	-	-	-	<b>18869</b>
Electricity plants	-	-	45	9103	-	2309	2	-	-	-	11459
CHP plants	-	-	456	6954	-	-	-	-	-	-	7410
<b>Heat generated - TJ</b>	-	-	<b>111</b>	<b>14014</b>	-	-	-	-	-	<b>1673</b>	<b>15798</b>
CHP plants	-	-	111	11610	-	-	-	-	-	1673	13394
Heat plants	-	-	-	2404	-	-	-	-	-	-	2404



## Azerbaijan

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	51144	-	13952	-	296	0	-	-	44	65436
Imports	-	-	26	-	-	-	-	-	9	-	35
Exports	-	-44730	-2736	-5194	-	-	-	-	-40	-	-52700
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-403	-	-	-	-	-	-	-	-403
Stock changes	-	182	231	-943	-	-	-	-	-	-	-530
<b>TPES</b>	-	<b>6595</b>	<b>-2882</b>	<b>7816</b>	-	<b>296</b>	<b>0</b>	-	<b>-31</b>	<b>44</b>	<b>11838</b>
Transfers	-	-61	65	-	-	-	-	-	-	-	4
Statistical differences	-	-150	-72	21	-	-	-	-	-11	-	-211
Electricity plants	-	-	-4	-2017	-	-296	-0	-	1109	-	-1208
CHP plants	-	-	-14	-1793	-	-	-	-	500	286	-1021
Heat plants	-	-	-3	-69	-	-	-	-	-	60	-12
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-6384	6208	-	-	-	-	-	-	-	-176
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-597	-272	-	-	-	-	-172	-70	-1111
Losses	-	-	-	-938	-	-	-	-	-329	-12	-1279
<b>TFC</b>	-	-	<b>2701</b>	<b>2749</b>	-	-	-	-	<b>1066</b>	<b>308</b>	<b>6823</b>
<b>INDUSTRY</b>	-	-	<b>80</b>	<b>249</b>	-	-	-	-	<b>145</b>	<b>235</b>	<b>709</b>
Iron and steel	-	-	3	5	-	-	-	-	28	18	53
Chemical and petrochemical	-	-	12	8	-	-	-	-	16	156	193
Non-ferrous metals	-	-	1	2	-	-	-	-	1	-	3
Non-metallic minerals	-	-	2	109	-	-	-	-	14	0	125
Transport equipment	-	-	-	8	-	-	-	-	1	0	9
Machinery	-	-	-	15	-	-	-	-	8	1	24
Mining and quarrying	-	-	4	3	-	-	-	-	6	0	14
Food and tobacco	-	-	19	65	-	-	-	-	22	59	165
Paper pulp and printing	-	-	-	1	-	-	-	-	1	-	2
Wood and wood products	-	-	-	0	-	-	-	-	0	-	0
Construction	-	-	38	19	-	-	-	-	41	1	99
Textile and leather	-	-	1	3	-	-	-	-	5	-	9
Non-specified	-	-	-	10	-	-	-	-	3	-	13
<b>TRANSPORT</b>	-	-	<b>1720</b>	-	-	-	-	-	<b>47</b>	-	<b>1767</b>
Domestic aviation	-	-	92	-	-	-	-	-	-	-	92
Road	-	-	1551	-	-	-	-	-	-	-	1551
Rail	-	-	3	-	-	-	-	-	37	-	40
Pipeline transport	-	-	-	-	-	-	-	-	10	-	10
Domestic navigation	-	-	74	-	-	-	-	-	-	-	74
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>427</b>	<b>2467</b>	-	-	-	-	<b>874</b>	<b>73</b>	<b>3841</b>
Residential	-	-	78	2416	-	-	-	-	495	32	3021
Comm. and publ. services	-	-	6	30	-	-	-	-	322	40	398
Agriculture/forestry	-	-	343	22	-	-	-	-	57	0	422
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>474</b>	<b>33</b>	-	-	-	-	-	-	<b>506</b>
in industry/transf./energy	-	-	443	33	-	-	-	-	-	-	476
of which: feedstocks	-	-	243	33	-	-	-	-	-	-	276
in transport	-	-	30	-	-	-	-	-	-	-	30
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	-	-	<b>31</b>	<b>15232</b>	-	<b>3446</b>	<b>1</b>	-	-	-	<b>18710</b>
Electricity plants	-	-	13	9438	-	3446	1	-	-	-	12898
CHP plants	-	-	18	5794	-	-	-	-	-	-	5812
<b>Heat generated - TJ</b>	-	-	<b>602</b>	<b>13901</b>	-	-	-	-	-	<b>1844</b>	<b>16347</b>
CHP plants	-	-	483	11502	-	-	-	-	-	1844	13829
Heat plants	-	-	119	2399	-	-	-	-	-	-	2518

## Bahrain

Figure 1. Energy production

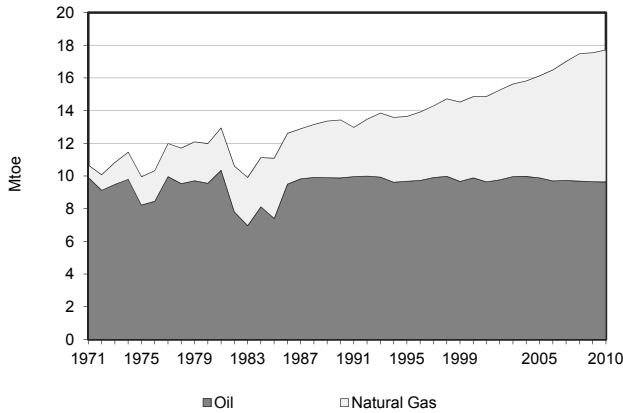


Figure 2. Total primary energy supply\*

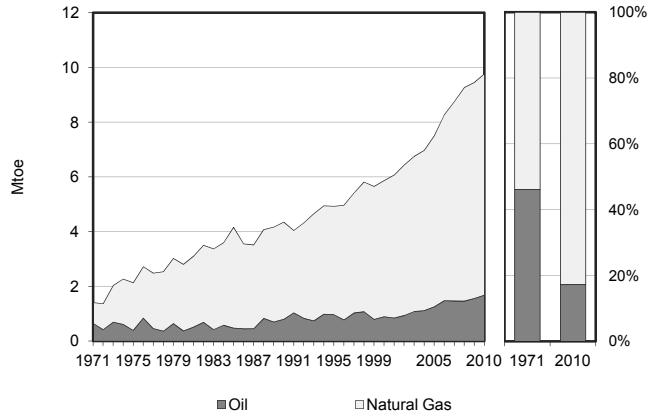


Figure 3. Energy self-sufficiency\*\*

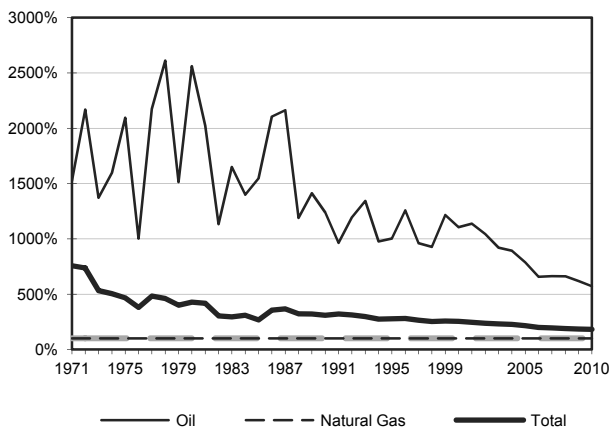


Figure 4. Oil products demand\*\*\*

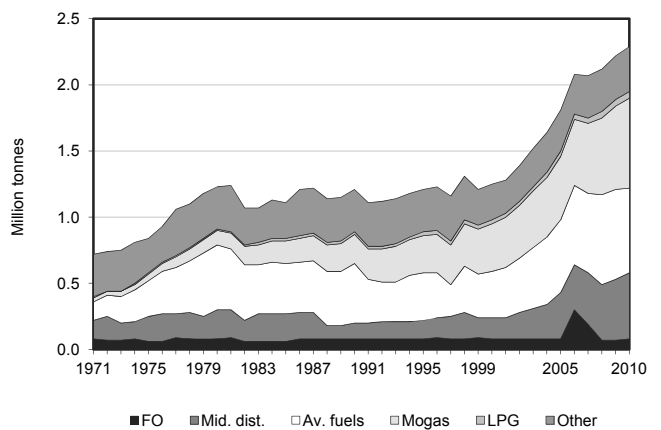


Figure 5. Electricity generation by fuel

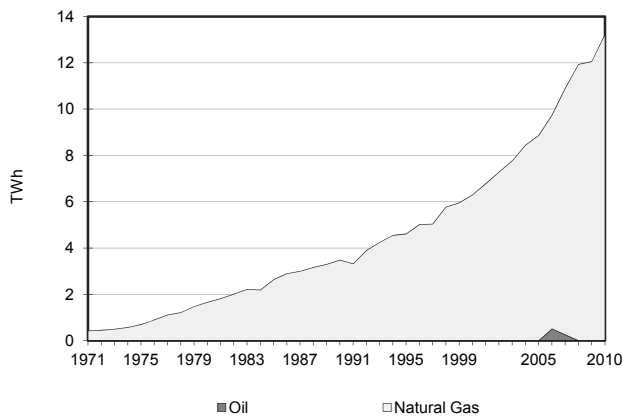
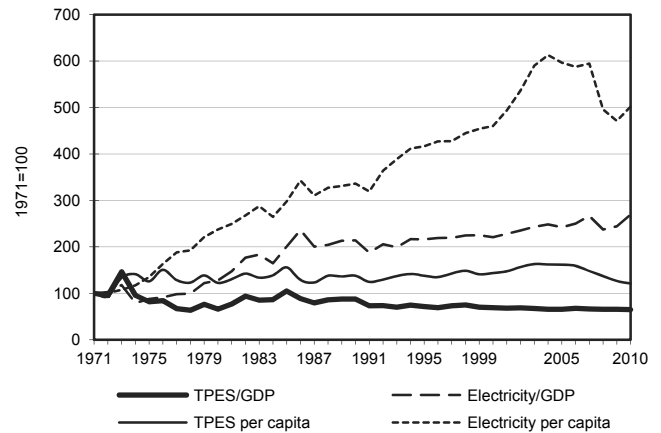


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Bahrain

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	9655	-	7893	-	-	-	-	-	-	17548
Imports	-	3845	-	-	-	-	-	-	14	-	3860
Exports	-	-	-10520	-	-	-	-	-	-	-	-10520
Intl. marine bunkers	-	-	-68	-	-	-	-	-	-	-	-68
Intl. aviation bunkers	-	-	-709	-	-	-	-	-	-	-	-709
Stock changes	-	-	-641	-	-	-	-	-	-	-	-641
<b>TPES</b>	-	<b>13501</b>	<b>-11939</b>	<b>7893</b>	-	-	-	-	<b>14</b>	-	<b>9469</b>
Electricity and CHP plants	-	-	-	-3430	-	-	-	-	1037	-	-2393
Oil refineries	-	-13129	13111	-	-	-	-	-	-	-	-18
Other transformation*	-	-371	105	-1518	-	-	-	-	-176	-	-1960
<b>TFC</b>	-	-	<b>1277</b>	<b>2945</b>	-	-	-	-	<b>875</b>	-	<b>5098</b>
<b>INDUSTRY</b>	-	-	-	<b>2945</b>	-	-	-	-	<b>106</b>	-	<b>3051</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	1274	-	-	-	-	-	-	1274
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	1671	-	-	-	-	106	-	1778
<b>TRANSPORT</b>	-	-	<b>1129</b>	-	-	-	-	-	-	-	<b>1129</b>
Domestic aviation	-	-	13	-	-	-	-	-	-	-	13
Road	-	-	1117	-	-	-	-	-	-	-	1117
Other/non-specified	-	-	0	-	-	-	-	-	-	-	0
<b>OTHER</b>	-	-	<b>84</b>	-	-	-	-	-	<b>769</b>	-	<b>853</b>
Residential	-	-	84	-	-	-	-	-	465	-	549
Comm. and public services	-	-	-	-	-	-	-	-	300	-	300
Agriculture/forestry	-	-	-	-	-	-	-	-	4	-	4
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>64</b>	-	-	-	-	-	-	-	<b>64</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	12056	-	-	-	-	-	-	12056
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	9640	-	8085	-	-	-	-	-	-	17725
Imports	-	4333	-	-	-	-	-	-	17	-	4349
Exports	-	-	-11149	-	-	-	-	-	-2	-	-11151
Intl. marine bunkers	-	-	-72	-	-	-	-	-	-	-	-72
Intl. aviation bunkers	-	-	-665	-	-	-	-	-	-	-	-665
Stock changes	-	-	-402	-	-	-	-	-	-	-	-402
<b>TPES</b>	-	<b>13973</b>	<b>-12289</b>	<b>8085</b>	-	-	-	-	<b>15</b>	-	<b>9784</b>
Electricity and CHP plants	-	-	-	-3622	-	-	-	-	1138	-	-2485
Oil refineries	-	-13582	13563	-	-	-	-	-	-	-	-19
Other transformation*	-	-391	115	-1555	-	-	-	-	-108	-	-1939
<b>TFC</b>	-	-	<b>1390</b>	<b>2907</b>	-	-	-	-	<b>1044</b>	-	<b>5341</b>
<b>INDUSTRY</b>	-	-	-	<b>2907</b>	-	-	-	-	<b>121</b>	-	<b>3028</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	1305	-	-	-	-	-	-	1305
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	1603	-	-	-	-	121	-	1724
<b>TRANSPORT</b>	-	-	<b>1229</b>	-	-	-	-	-	-	-	<b>1229</b>
Domestic aviation	-	-	14	-	-	-	-	-	-	-	14
Road	-	-	1215	-	-	-	-	-	-	-	1215
Other/non-specified	-	-	0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>91</b>	-	-	-	-	-	<b>923</b>	-	<b>1015</b>
Residential	-	-	91	-	-	-	-	-	513	-	604
Comm. and public services	-	-	-	-	-	-	-	-	406	-	406
Agriculture/forestry	-	-	-	-	-	-	-	-	4	-	4
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>70</b>	-	-	-	-	-	-	-	<b>70</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	13230	-	-	-	-	-	-	13230
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Bangladesh

Figure 1. Energy production

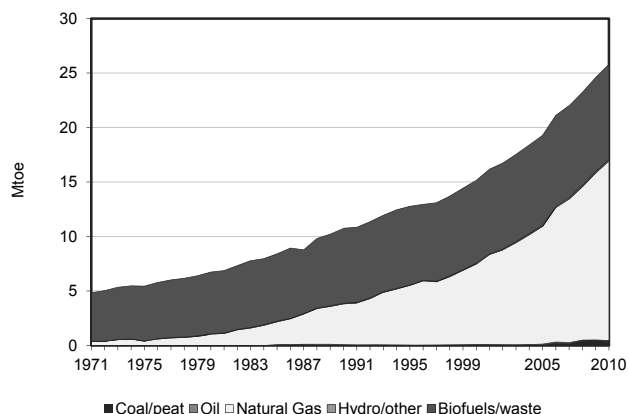


Figure 2. Total primary energy supply\*

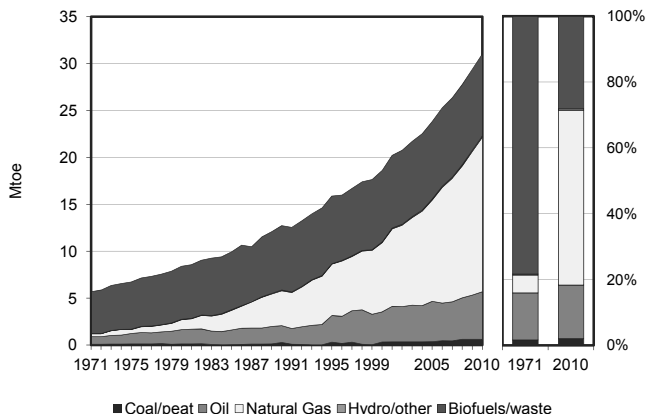


Figure 3. Energy self-sufficiency\*\*

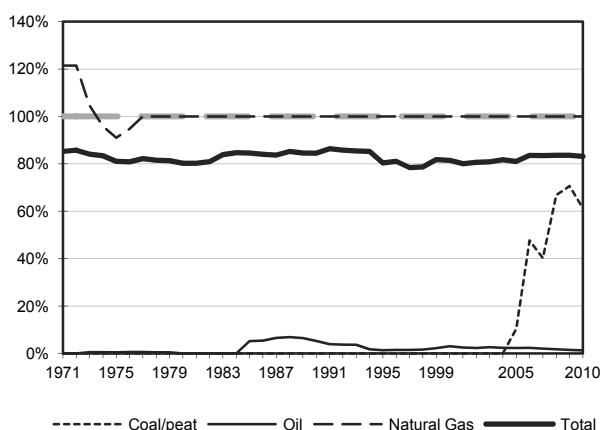


Figure 4. Oil products demand\*\*\*

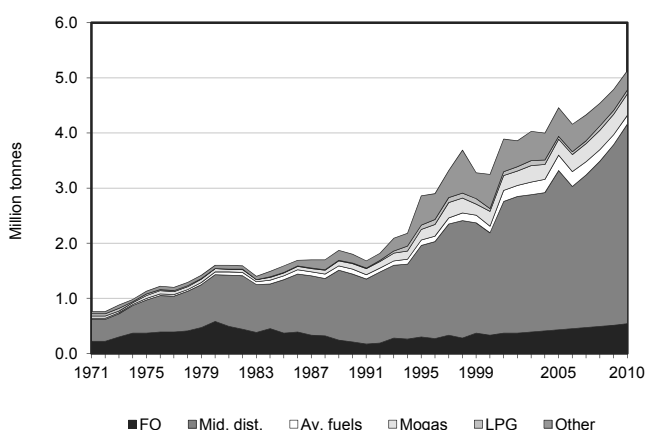


Figure 5. Electricity generation by fuel

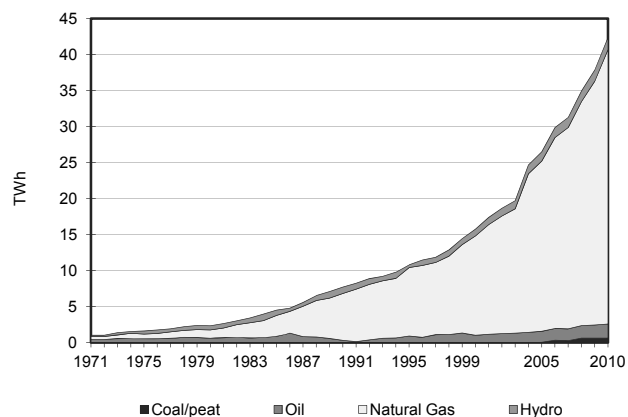
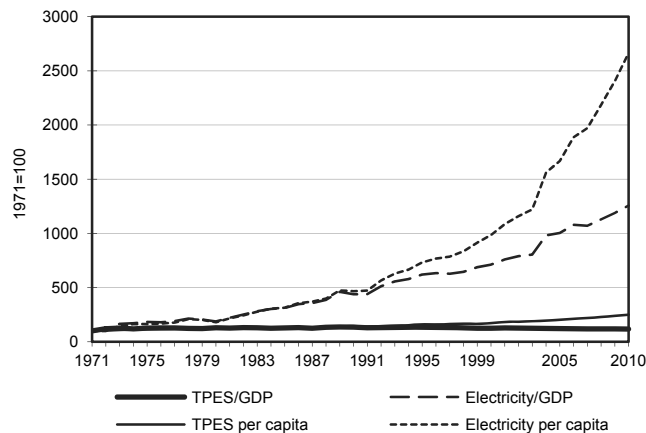


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Bangladesh

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	444	70	-	15321	-	133	-	8632	-	-	24601
Imports	400	867	3862	-	-	-	-	-	-	-	5129
Exports	-	-	-148	-	-	-	-	-	-	-	-148
Intl. marine bunkers	-	-	-35	-	-	-	-	-	-	-	-35
Intl. aviation bunkers	-	-	-192	-	-	-	-	-	-	-	-192
Stock changes	-215	140	141	-	-	-	-	-	-	-	66
<b>TPES</b>	<b>628</b>	<b>1077</b>	<b>3629</b>	<b>15321</b>	-	<b>133</b>	-	<b>8632</b>	-	-	<b>29422</b>
Electricity and CHP plants	-219	-	-655	-8226	-	-133	-	-	3256	-	-5978
Oil refineries	-	-1077	1071	-	-	-	-	-	-	-	-6
Other transformation*	-9	-	-84	-251	-	-	-	-	-208	-	-551
<b>TFC</b>	<b>400</b>	-	<b>3961</b>	<b>6845</b>	-	-	-	<b>8632</b>	<b>3048</b>	-	<b>22886</b>
<b>INDUSTRY</b>	<b>400</b>	-	<b>269</b>	<b>2444</b>	-	-	-	-	<b>1691</b>	-	<b>4804</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	400	-	-	-	-	-	-	-	-	-	400
Other/non-specified	-	-	269	2444	-	-	-	-	1691	-	4404
<b>TRANSPORT</b>	-	-	<b>1909</b>	<b>727</b>	-	-	-	-	-	-	<b>2636</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1346	727	-	-	-	-	-	-	2073
Other/non-specified	-	-	563	-	-	-	-	-	-	-	563
<b>OTHER</b>	-	-	<b>1468</b>	<b>1919</b>	-	-	-	<b>8632</b>	<b>1357</b>	-	<b>13377</b>
Residential	-	-	429	1729	-	-	-	8632	1003	-	11794
Comm. and public services	-	-	-	175	-	-	-	-	203	-	378
Agriculture/forestry	-	-	1039	15	-	-	-	-	112	-	1167
Other/non-specified	-	-	-	-	-	-	-	-	39	-	39
<b>NON-ENERGY USE</b>	-	-	<b>315</b>	<b>1754</b>	-	-	-	-	-	-	<b>2069</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	638	-	1832	33840	-	1552	-	-	-	-	37862
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	385	64	-	16490	-	143	-	8730	-	-	25812
Imports	400	1189	4262	-	-	-	-	-	-	-	5851
Exports	-	-	-157	-	-	-	-	-	-	-	-157
Intl. marine bunkers	-	-	-35	-	-	-	-	-	-	-	-35
Intl. aviation bunkers	-	-	-168	-	-	-	-	-	-	-	-168
Stock changes	-156	-276	183	-	-	-	-	-	-	-	-249
<b>TPES</b>	<b>628</b>	<b>978</b>	<b>4085</b>	<b>16490</b>	-	<b>143</b>	-	<b>8730</b>	-	-	<b>31053</b>
Electricity and CHP plants	-219	-	-701	-9420	-	-143	-	-	3642	-	-6842
Oil refineries	-	-978	982	-	-	-	-	-	-	-	4
Other transformation*	-9	-	-82	-967	-	-	-	-	-254	-	-1311
<b>TFC</b>	<b>400</b>	-	<b>4284</b>	<b>6102</b>	-	-	-	<b>8730</b>	<b>3388</b>	-	<b>22904</b>
<b>INDUSTRY</b>	<b>400</b>	-	<b>279</b>	<b>1517</b>	-	-	-	-	<b>1882</b>	-	<b>4077</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	400	-	-	-	-	-	-	-	-	-	400
Other/non-specified	-	-	279	1517	-	-	-	-	1882	-	3678
<b>TRANSPORT</b>	-	-	<b>2060</b>	<b>922</b>	-	-	-	-	-	-	<b>2981</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1425	922	-	-	-	-	-	-	2346
Other/non-specified	-	-	635	-	-	-	-	-	-	-	635
<b>OTHER</b>	-	-	<b>1659</b>	<b>2147</b>	-	-	-	<b>8730</b>	<b>1507</b>	-	<b>14043</b>
Residential	-	-	389	1938	-	-	-	8730	1093	-	12151
Comm. and public services	-	-	-	190	-	-	-	-	258	-	449
Agriculture/forestry	-	-	1270	19	-	-	-	-	114	-	1403
Other/non-specified	-	-	-	-	-	-	-	-	41	-	41
<b>NON-ENERGY USE</b>	-	-	<b>285</b>	<b>1517</b>	-	-	-	-	-	-	<b>1802</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	638	-	1961	38086	-	1662	-	-	-	-	42347
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Belarus

Figure 1. Energy production

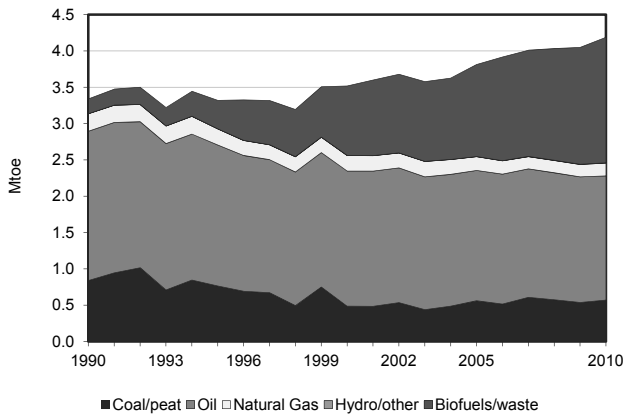


Figure 2. Total primary energy supply\*

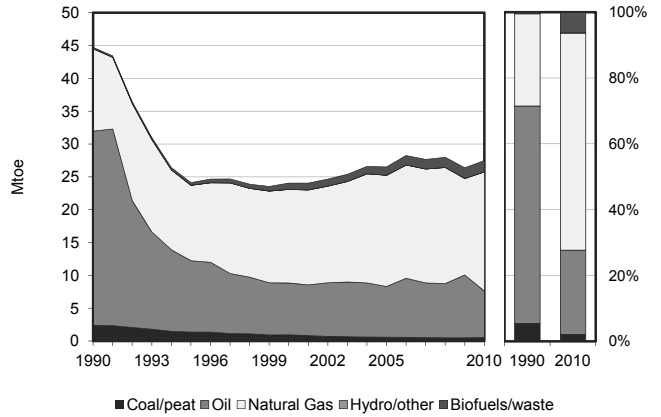


Figure 3. Energy self-sufficiency\*\*

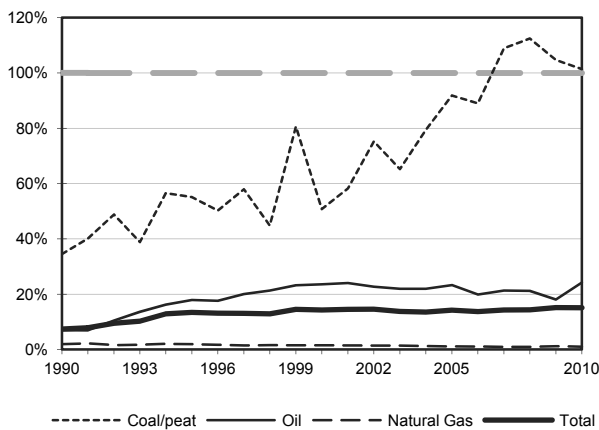


Figure 4. Oil products demand\*\*\*

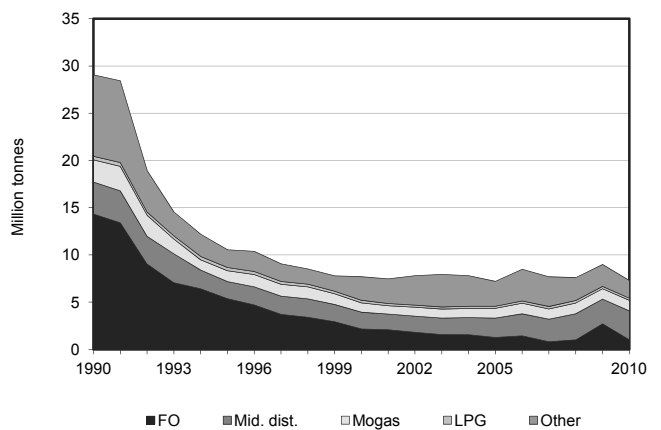


Figure 5. Electricity generation by fuel

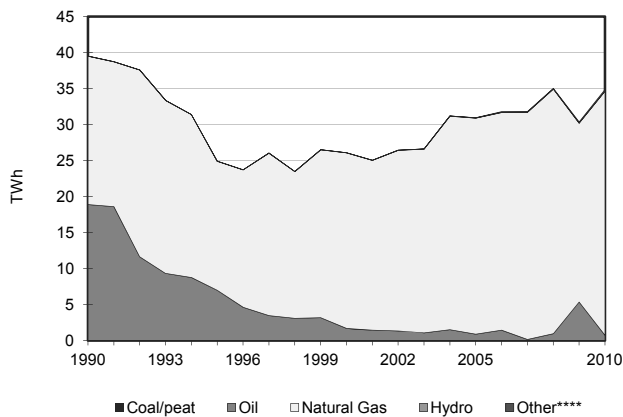
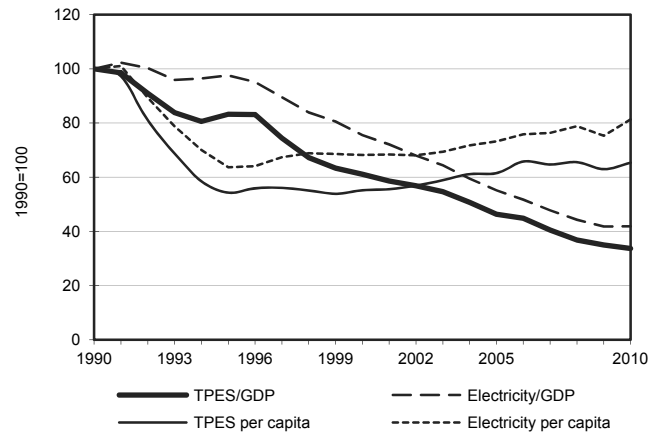


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Belarus

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	537	1729	-	170	-	4	0	1609	-	-	4049
Imports	85	21616	2525	14622	-	-	-	-	723	-	39571
Exports	-179	-1725	-15117	-	-	-	-	-	-338	-	-17359
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	70	147	389	-104	-	-	-	-	-	-	502
<b>TPES</b>	<b>513</b>	<b>21767</b>	<b>-12202</b>	<b>14688</b>	<b>-</b>	<b>4</b>	<b>0</b>	<b>1609</b>	<b>385</b>	<b>-</b>	<b>26764</b>
Transfers	-	-	-127	-	-	-	-	-	-	-	-127
Statistical differences	1	-25	-	-	-	-	-	-	-	-	-24
Electricity plants	-	-	-503	-2626	-	-4	-0	1223	-	-	-1910
CHP plants	-23	-	-1313	-4799	-	-	-	-92	1389	3306	-1531
Heat plants	-108	-	-397	-2546	-	-	-	-501	-	2923	-629
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-5	-	-	-	-	-	-	-4	-	-	-8
Oil refineries	-	-21742	21306	-	-	-	-	-	-	-	-436
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-1	-	-	-1
Energy industry own use	-13	-	-765	-209	-	-	-	-38	-316	-461	-1803
Losses	-50	-	-8	-115	-	-	-	-	-300	-557	-1029
<b>TFC</b>	<b>316</b>	<b>-</b>	<b>5991</b>	<b>4394</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>973</b>	<b>2381</b>	<b>5211</b>	<b>19265</b>
<b>INDUSTRY</b>	<b>50</b>	<b>-</b>	<b>127</b>	<b>1421</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>238</b>	<b>1061</b>	<b>1636</b>	<b>4532</b>
Iron and steel	12	-	1	100	-	-	-	0	149	7	270
Chemical and petrochemical	-	-	29	158	-	-	-	191	311	459	1147
Non-ferrous metals	-	-	-	4	-	-	-	-	1	-	5
Non-metallic minerals	11	-	11	898	-	-	-	15	113	174	1222
Transport equipment	-	-	3	21	-	-	-	-	4	57	85
Machinery	18	-	6	78	-	-	-	4	202	116	425
Mining and quarrying	-	-	13	17	-	-	-	-	-	37	67
Food and tobacco	4	-	11	71	-	-	-	3	107	478	673
Paper pulp and printing	-	-	1	3	-	-	-	-	25	72	101
Wood and wood products	-	-	6	11	-	-	-	17	31	61	126
Construction	3	-	40	21	-	-	-	6	30	-	100
Textile and leather	0	-	3	34	-	-	-	2	39	88	166
Non-specified	-	-	2	4	-	-	-	1	50	87	144
<b>TRANSPORT</b>	<b>7</b>	<b>-</b>	<b>2070</b>	<b>368</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>139</b>	<b>-</b>	<b>2604</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1861	14	-	-	-	19	-	-	1894
Rail	7	-	210	-	-	-	-	-	61	-	277
Pipeline transport	-	-	-	354	-	-	-	-	53	-	406
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	0	-	-	-	-	-	-	-	26	-	26
<b>OTHER</b>	<b>243</b>	<b>-</b>	<b>1961</b>	<b>1422</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>715</b>	<b>1182</b>	<b>3575</b>	<b>9098</b>
Residential	181	-	1186	1295	-	-	-	495	556	2207	5919
Comm. and publ. services	58	-	84	55	-	-	-	181	499	1202	2080
Agriculture/forestry	4	-	691	72	-	-	-	39	126	166	1098
Fishing	-	-	-	-	-	-	-	-	0	0	0
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>16</b>	<b>-</b>	<b>1832</b>	<b>1183</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3031</b>
in industry/transf./energy	16	-	1832	1179	-	-	-	-	-	-	3028
of which: feedstocks	-	-	-	1179	-	-	-	-	-	-	1179
in transport	-	-	-	3	-	-	-	-	-	-	3
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>15</b>	<b>-</b>	<b>5356</b>	<b>24817</b>	<b>-</b>	<b>44</b>	<b>1</b>	<b>143</b>	<b>-</b>	<b>-</b>	<b>30376</b>
Electricity plants	-	-	2341	11835	-	44	1	1	-	-	14222
CHP plants	15	-	3015	12982	-	-	-	142	-	-	16154
<b>Heat generated - TJ</b>	<b>3909</b>	<b>-</b>	<b>45623</b>	<b>195137</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16170</b>	<b>-</b>	<b>-</b>	<b>260839</b>
CHP plants	670	-	31578	104032	-	-	-	2175	-	-	138455
Heat plants	3239	-	14045	91105	-	-	-	13995	-	-	122384

## Belarus

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	571	1708	-	177	-	4	0	1728	-	-	4189
Imports	83	14813	1532	17903	-	-	-	-	668	-	34999
Exports	-141	-	-11037	-	-	-	-	-	-436	-	-11613
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	49	60	-20	66	-	-	-	-	-	-	156
<b>TPES</b>	<b>563</b>	<b>16581</b>	<b>-9524</b>	<b>18145</b>	<b>-</b>	<b>4</b>	<b>0</b>	<b>1728</b>	<b>232</b>	<b>-</b>	<b>27730</b>
Transfers	-	-	-50	-	-	-	-	-	-	-	-50
Statistical differences	-	-44	637	-	-	-	-	-	-	-	592
Electricity plants	-	-	-89	-3745	-	-4	-0	-0	1483	-	-2355
CHP plants	-30	-	-109	-6628	-	-	-	-118	1518	3662	-1705
Heat plants	-110	-	-217	-2746	-	-	-	-551	-	2982	-642
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-5	-	-	-	-	-	-	-7	-	-	-12
Oil refineries	-	-16537	16300	-	-	-	-	-	-	-	-237
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-2	-	-	-2
Energy industry own use	-13	-	-1133	-229	-	-	-	-60	-382	-481	-2298
Losses	-52	-	-7	-110	-	-	-	-	-325	-603	-1096
<b>TFC</b>	<b>354</b>	<b>-</b>	<b>5808</b>	<b>4687</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>990</b>	<b>2527</b>	<b>5560</b>	<b>19927</b>
<b>INDUSTRY</b>	<b>60</b>	<b>-</b>	<b>131</b>	<b>1564</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>178</b>	<b>1136</b>	<b>1816</b>	<b>4885</b>
Iron and steel	10	-	2	110	-	-	-	1	171	8	302
Chemical and petrochemical	-	-	13	173	-	-	-	132	346	551	1215
Non-ferrous metals	-	-	-	4	-	-	-	-	1	0	6
Non-metallic minerals	21	-	7	983	-	-	-	12	121	159	1302
Transport equipment	5	-	4	23	-	-	-	-	4	61	97
Machinery	14	-	6	85	-	-	-	5	209	123	442
Mining and quarrying	0	-	3	19	-	-	-	-	-	34	57
Food and tobacco	9	-	14	87	-	-	-	5	107	494	717
Paper pulp and printing	-	-	1	3	-	-	-	-	30	86	120
Wood and wood products	-	-	6	12	-	-	-	14	37	66	135
Construction	2	-	72	23	-	-	-	7	31	-	134
Textile and leather	0	-	2	37	-	-	-	1	42	122	205
Non-specified	-	-	1	4	-	-	-	1	35	113	155
<b>TRANSPORT</b>	<b>10</b>	<b>-</b>	<b>2204</b>	<b>305</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30</b>	<b>147</b>	<b>-</b>	<b>2696</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2023	12	-	-	-	30	-	-	2065
Rail	9	-	181	-	-	-	-	-	62	-	253
Pipeline transport	-	-	-	293	-	-	-	-	59	-	352
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	0	-	-	-	-	-	-	-	26	-	26
<b>OTHER</b>	<b>269</b>	<b>-</b>	<b>1979</b>	<b>1576</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>782</b>	<b>1244</b>	<b>3744</b>	<b>9595</b>
Residential	209	-	1291	1452	-	-	-	496	590	2343	6381
Comm. and publ. services	56	-	58	51	-	-	-	246	518	1218	2148
Agriculture/forestry	4	-	629	74	-	-	-	40	135	183	1065
Fishing	-	-	-	-	-	-	-	-	1	0	1
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>15</b>	<b>-</b>	<b>1495</b>	<b>1241</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2750</b>
in industry/transf./energy	15	-	1495	1238	-	-	-	-	-	-	2748
of which: feedstocks	-	-	-	1238	-	-	-	-	-	-	1238
in transport	-	-	-	2	-	-	-	-	-	-	2
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>28</b>	<b>-</b>	<b>713</b>	<b>33899</b>	<b>-</b>	<b>45</b>	<b>1</b>	<b>209</b>	<b>-</b>	<b>-</b>	<b>34895</b>
<i>Electricity plants</i>	-	-	413	16789	-	45	1	1	-	-	17249
<i>CHP plants</i>	28	-	300	17110	-	-	-	208	-	-	17646
<b>Heat generated - TJ</b>	<b>4123</b>	<b>-</b>	<b>9544</b>	<b>246047</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18507</b>	<b>-</b>	<b>-</b>	<b>278221</b>
<i>CHP plants</i>	873	-	2330	147438	-	-	-	2702	-	-	153343
<i>Heat plants</i>	3250	-	7214	98609	-	-	-	15805	-	-	124878



Benin

Figure 1. Energy production

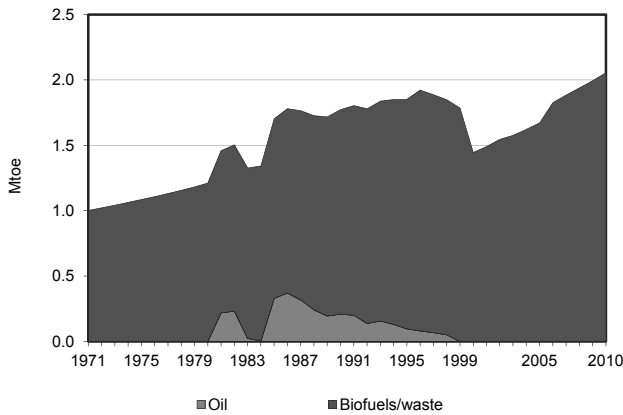


Figure 2. Total primary energy supply\*

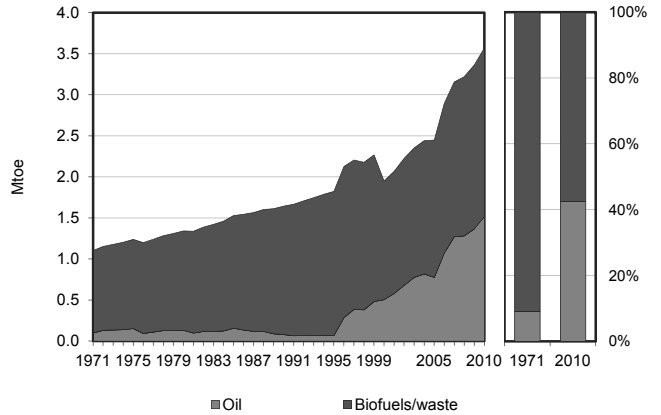


Figure 3. Energy self-sufficiency\*\*

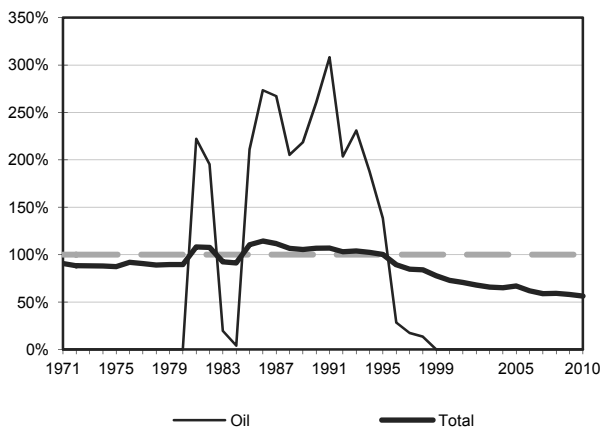


Figure 4. Oil products demand\*\*\*

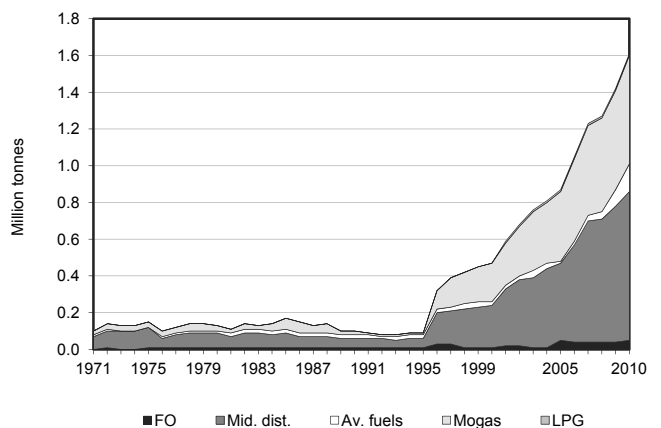


Figure 5. Electricity generation by fuel

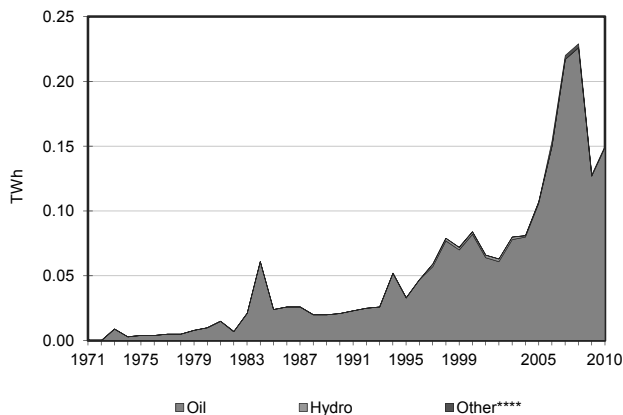
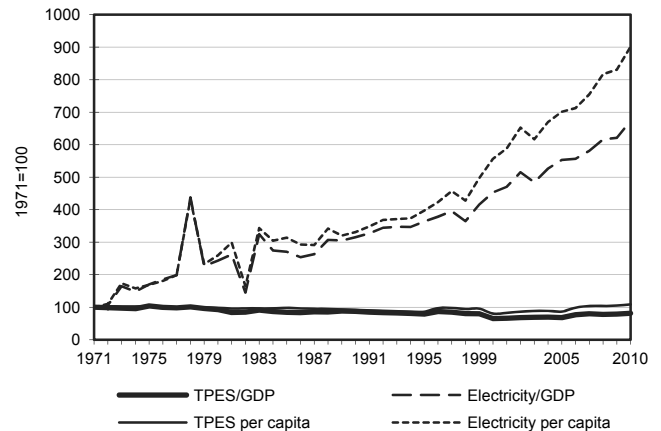


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Benin

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	1996	-	-	1996
Imports	-	-	1464	-	-	-	-	-	74	-	1539
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-92	-	-	-	-	-	-	-	-92
Stock changes	-	-	-3	-	-	-	-	-	-	-	-3
<b>TPES</b>	-	-	<b>1370</b>	-	-	-	-	<b>1996</b>	<b>74</b>	-	<b>3440</b>
Electricity and CHP plants	-	-	-30	-	-	-	-	-1	11	-	-20
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	30	-	-	-	-	-386	-18	-	-374
<b>TFC</b>	-	-	<b>1370</b>	-	-	-	-	<b>1609</b>	<b>68</b>	-	<b>3046</b>
<b>INDUSTRY</b>	-	-	<b>46</b>	-	-	-	-	<b>2</b>	<b>11</b>	-	<b>59</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	40	-	-	-	-	2	7	-	49
Other/non-specified	-	-	6	-	-	-	-	-	4	-	10
<b>TRANSPORT</b>	-	-	<b>944</b>	-	-	-	-	-	-	-	<b>944</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	943	-	-	-	-	-	-	-	943
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	-	-	<b>379</b>	-	-	-	-	<b>1607</b>	<b>57</b>	-	<b>2043</b>
Residential	-	-	377	-	-	-	-	1339	29	-	1745
Comm. and public services	-	-	2	-	-	-	-	268	28	-	297
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	127	-	-	-	-	1	-	-	128
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

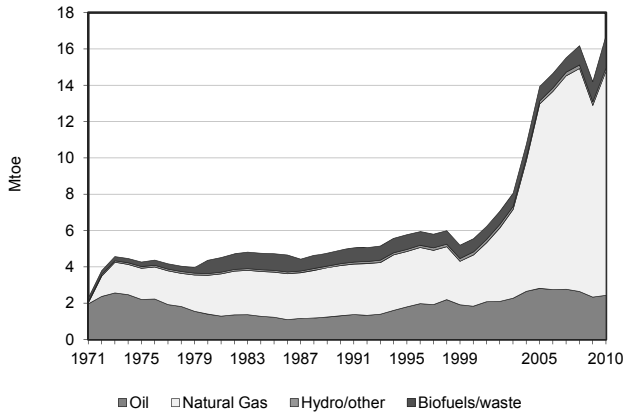
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	2055	-	-	2055
Imports	-	-	1680	-	-	-	-	-	80	-	1760
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-159	-	-	-	-	-	-	-	-159
Stock changes	-	-	-3	-	-	-	-	-	-	-	-3
<b>TPES</b>	-	-	<b>1518</b>	-	-	-	-	<b>2055</b>	<b>80</b>	-	<b>3653</b>
Electricity and CHP plants	-	-	-35	-	-	-	-	-1	13	-	-23
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-400	-21	-	-421
<b>TFC</b>	-	-	<b>1483</b>	-	-	-	-	<b>1654</b>	<b>72</b>	-	<b>3209</b>
<b>INDUSTRY</b>	-	-	<b>45</b>	-	-	-	-	<b>2</b>	<b>12</b>	-	<b>59</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	40	-	-	-	-	2	7	-	50
Other/non-specified	-	-	5	-	-	-	-	-	5	-	10
<b>TRANSPORT</b>	-	-	<b>1061</b>	-	-	-	-	-	-	-	<b>1061</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1060	-	-	-	-	-	-	-	1060
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	-	-	<b>376</b>	-	-	-	-	<b>1652</b>	<b>61</b>	-	<b>2089</b>
Residential	-	-	374	-	-	-	-	1376	31	-	1782
Comm. and public services	-	-	2	-	-	-	-	275	29	-	307
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	149	-	-	-	-	1	-	-	150
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

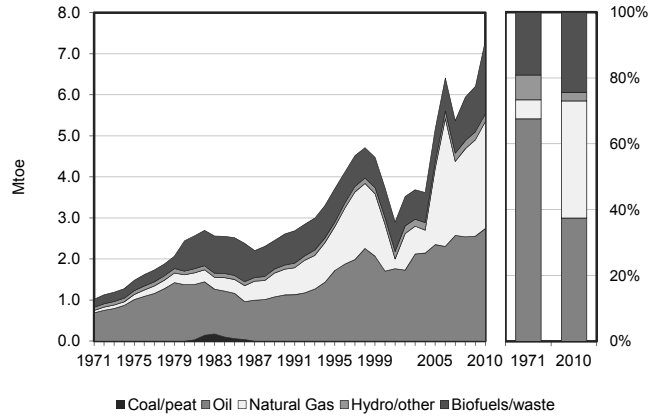
\* Includes transfers, statistical differences, energy industry own use, and losses.

**Bolivia**

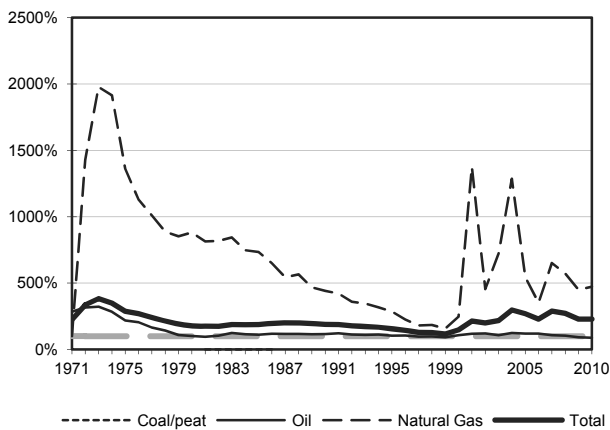
**Figure 1. Energy production**



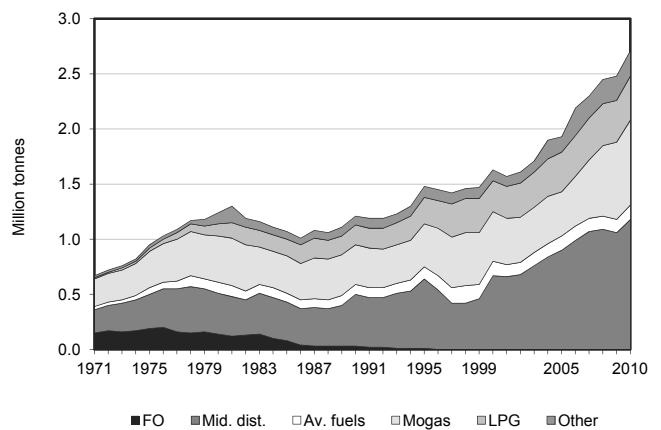
**Figure 2. Total primary energy supply\***



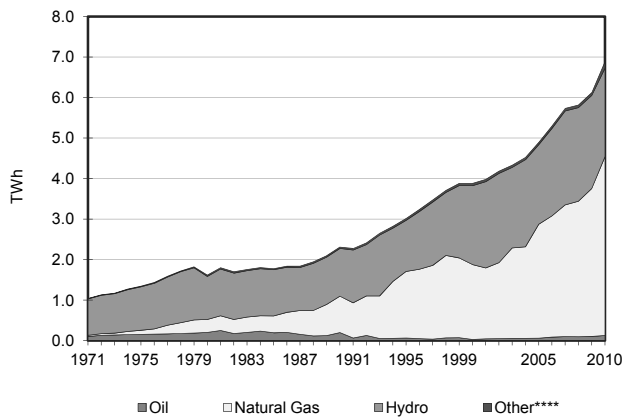
**Figure 3. Energy self-sufficiency\*\***



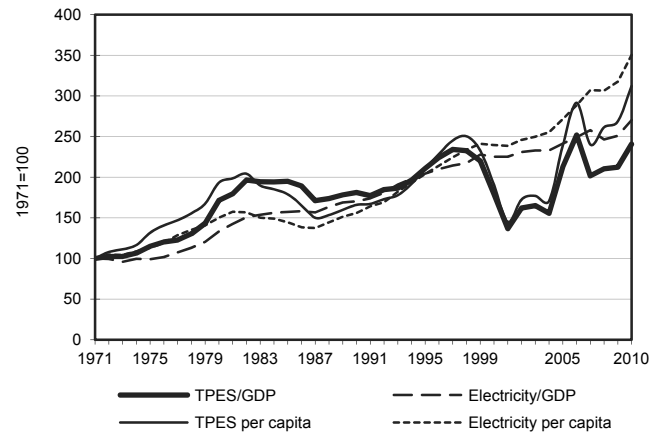
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Bolivia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	2333	-	10562	-	197	0	1102	-	-	14195
Imports	-	-	570	-	-	-	-	-	-	-	570
Exports	-	-	-356	-8214	-	-	-	-	-	-	-8570
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-45	-	-	-	-	-	-	-	-45
Stock changes	-	23	32	-	-	-	-	-	-	-	55
<b>TPES</b>	-	<b>2356</b>	<b>201</b>	<b>2348</b>	-	<b>197</b>	<b>0</b>	<b>1102</b>	-	-	<b>6204</b>
Electricity and CHP plants	-	-	-32	-988	-	-197	-0	-36	526	-	-727
Oil refineries	-	-2089	2036	-	-	-	-	-	-	-	-53
Other transformation*	-	-267	167	-441	-	-	-	-35	-65	-	-641
<b>TFC</b>	-	-	<b>2372</b>	<b>920</b>	-	-	-	<b>1030</b>	<b>461</b>	-	<b>4783</b>
<b>INDUSTRY</b>	-	-	<b>65</b>	<b>562</b>	-	-	-	<b>480</b>	<b>139</b>	-	<b>1247</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	65	562	-	-	-	480	139	-	1247
<b>TRANSPORT</b>	-	-	<b>1789</b>	<b>312</b>	-	-	-	-	-	-	<b>2100</b>
Domestic aviation	-	-	87	-	-	-	-	-	-	-	87
Road	-	-	1701	312	-	-	-	-	-	-	2013
Other/non-specified	-	-	0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>495</b>	<b>46</b>	-	-	-	<b>550</b>	<b>322</b>	-	<b>1413</b>
Residential	-	-	400	23	-	-	-	550	156	-	1129
Comm. and public services	-	-	6	23	-	-	-	-	88	-	116
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	90	-	-	-	-	-	78	-	168
<b>NON-ENERGY USE</b>	-	-	<b>23</b>	-	-	-	-	-	-	-	<b>23</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	104	3655	-	2296	2	64	-	-	6121
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	2431	-	12340	-	188	0	1784	-	-	16743
Imports	-	-	726	-	-	-	-	-	-	-	726
Exports	-	-	-364	-9733	-	-	-	-	-	-	-10097
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-47	-	-	-	-	-	-	-	-47
Stock changes	-	-1	-2	-	-	-	-	-	-	-	-3
<b>TPES</b>	-	<b>2430</b>	<b>313</b>	<b>2607</b>	-	<b>188</b>	<b>0</b>	<b>1784</b>	-	-	<b>7322</b>
Electricity and CHP plants	-	-	-40	-1192	-	-188	-0	-90	592	-	-918
Oil refineries	-	-2161	2099	-	-	-	-	-	-	-	-62
Other transformation*	-	-269	246	-427	-	-	-	-50	-76	-	-576
<b>TFC</b>	-	-	<b>2618</b>	<b>988</b>	-	-	-	<b>1644</b>	<b>516</b>	-	<b>5766</b>
<b>INDUSTRY</b>	-	-	<b>81</b>	<b>539</b>	-	-	-	<b>894</b>	<b>144</b>	-	<b>1658</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	81	539	-	-	-	894	144	-	1658
<b>TRANSPORT</b>	-	-	<b>1975</b>	<b>380</b>	-	-	-	-	-	-	<b>2355</b>
Domestic aviation	-	-	92	-	-	-	-	-	-	-	92
Road	-	-	1884	380	-	-	-	-	-	-	2264
Other/non-specified	-	-	-0	-	-	-	-	-	-	-	0
<b>OTHER</b>	-	-	<b>528</b>	<b>69</b>	-	-	-	<b>749</b>	<b>372</b>	-	<b>1718</b>
Residential	-	-	414	42	-	-	-	749	180	-	1385
Comm. and public services	-	-	6	27	-	-	-	-	110	-	142
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	108	-	-	-	-	-	83	-	191
<b>NON-ENERGY USE</b>	-	-	<b>34</b>	-	-	-	-	-	-	-	<b>34</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	131	4411	-	2182	3	157	-	-	6884
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Bosnia and Herzegovina

Figure 1. Energy production

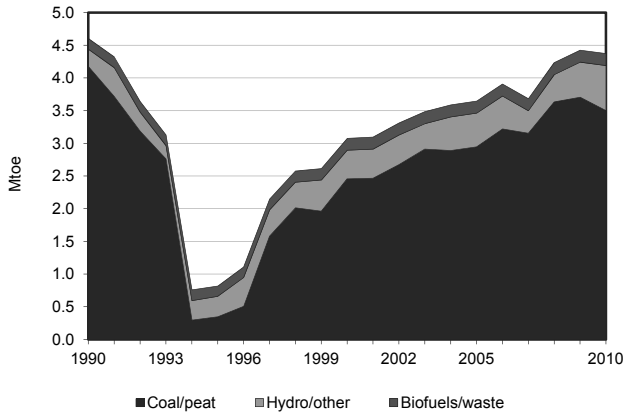


Figure 2. Total primary energy supply\*

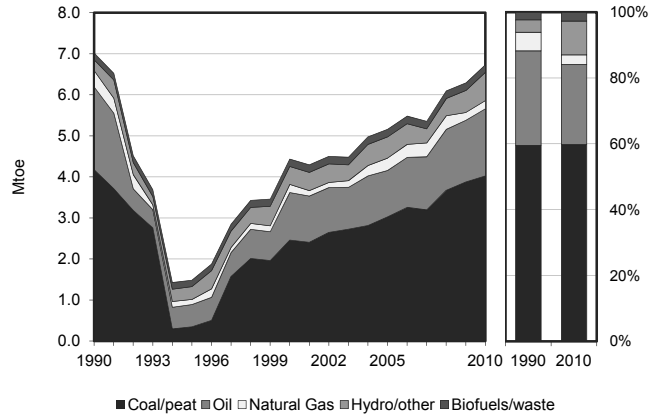


Figure 3. Energy self-sufficiency\*\*

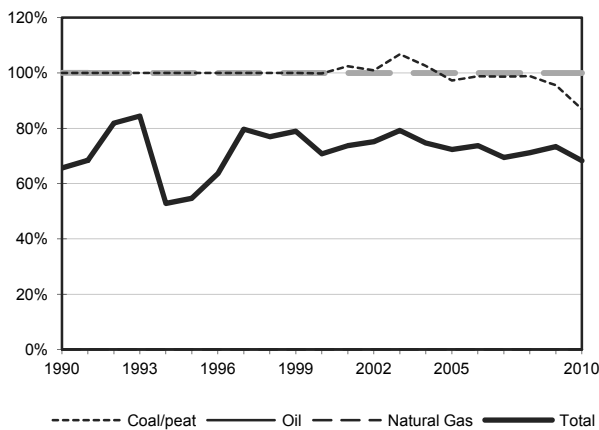


Figure 4. Oil products demand\*\*\*

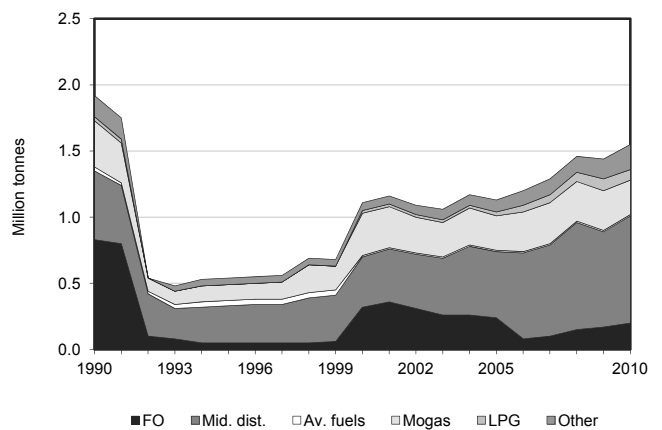


Figure 5. Electricity generation by fuel

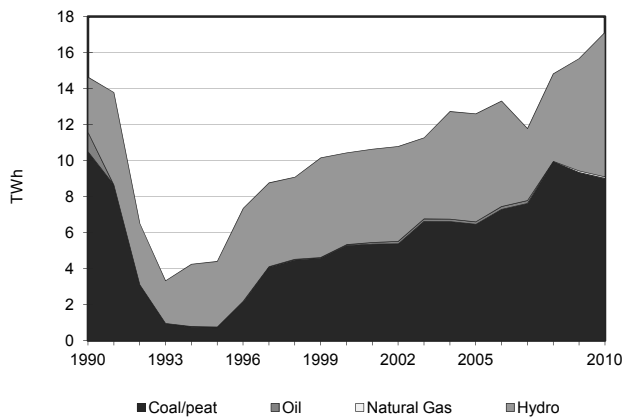
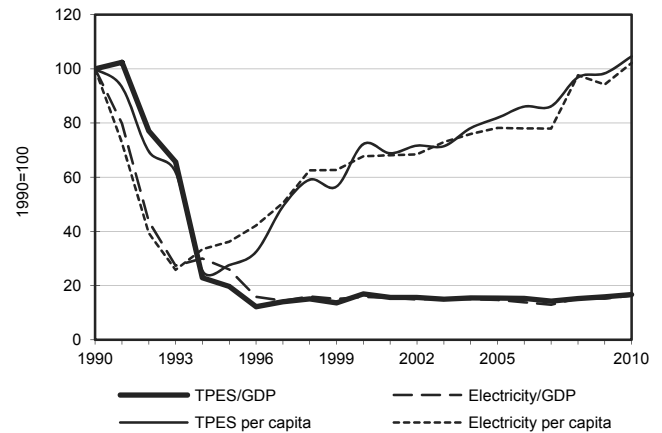


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Bosnia and Herzegovina

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3706	-	-	-	-	537	-	183	-	-	4426
Imports	598	952	846	190	-	-	-	-	248	-	2834
Exports	-318	-	-291	-	-	-	-	-	-505	-	-1114
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-5	-	-	-	-	-	-	-	-5
Stock changes	-107	-	-	-	-	-	-	-	-	-	-107
<b>TPES</b>	<b>3880</b>	<b>952</b>	<b>550</b>	<b>190</b>	<b>-</b>	<b>537</b>	<b>-</b>	<b>183</b>	<b>-257</b>	<b>-</b>	<b>6034</b>
Electricity and CHP plants	-3161	-	-11	-18	-	-537	-	-	1347	30	-2348
Oil refineries	-	-1105	1030	-	-	-	-	-	-	-	-75
Other transformation*	-431	153	-200	-42	-	-	-	-3	-276	89	-709
<b>TFC</b>	<b>288</b>	<b>-</b>	<b>1369</b>	<b>131</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>180</b>	<b>814</b>	<b>120</b>	<b>2901</b>
<b>INDUSTRY</b>	<b>168</b>	<b>-</b>	<b>-</b>	<b>67</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>269</b>	<b>1</b>	<b>506</b>
Iron and steel	80	-	-	28	-	-	-	-	30	-	138
Chemical and petrochemical	1	-	-	1	-	-	-	-	6	-	8
Non-metallic minerals	47	-	-	5	-	-	-	-	15	-	67
Other/non-specified	40	-	-	33	-	-	-	-	218	1	293
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1018</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>1027</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1018	-	-	-	-	-	-	-	1018
Other/non-specified	-	-	-	-	-	-	-	-	8	-	8
<b>OTHER</b>	<b>119</b>	<b>-</b>	<b>212</b>	<b>64</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>180</b>	<b>536</b>	<b>118</b>	<b>1230</b>
Residential	79	-	-	40	-	-	-	180	390	98	787
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	6	-	6
Other/non-specified	40	-	212	24	-	-	-	-	140	21	437
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>139</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>139</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	9325	-	39	65	-	6239	-	-	-	-	15668
Heat generated - TJ	2966	-	1130	1359	-	-	-	99	-	-	5554

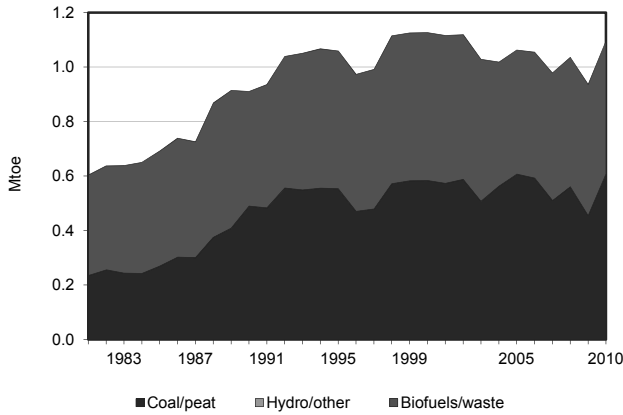
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3501	-	-	-	-	690	-	183	-	-	4374
Imports	912	1130	770	199	-	-	-	-	265	-	3276
Exports	-477	-	-260	-	-	-	-	-	-594	-	-1330
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-5	-	-	-	-	-	-	-	-5
Stock changes	90	-	-	-	-	-	-	-	-	-	90
<b>TPES</b>	<b>4026</b>	<b>1130</b>	<b>505</b>	<b>199</b>	<b>-</b>	<b>690</b>	<b>-</b>	<b>183</b>	<b>-329</b>	<b>-</b>	<b>6405</b>
Electricity and CHP plants	-3101	-	-13	-15	-	-690	-	-	1473	34	-2313
Oil refineries	-	-1234	1154	-	-	-	-	-	-	-	-79
Other transformation*	-571	104	-162	-45	-	-	-	-4	-254	95	-838
<b>TFC</b>	<b>354</b>	<b>-</b>	<b>1484</b>	<b>140</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>179</b>	<b>890</b>	<b>129</b>	<b>3175</b>
<b>INDUSTRY</b>	<b>186</b>	<b>-</b>	<b>-</b>	<b>72</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>328</b>	<b>1</b>	<b>587</b>
Iron and steel	106	-	-	26	-	-	-	-	51	-	183
Chemical and petrochemical	-	-	-	2	-	-	-	-	7	-	9
Non-metallic minerals	41	-	-	10	-	-	-	-	16	-	66
Other/non-specified	39	-	-	35	-	-	-	-	255	1	330
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1069</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>1081</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1069	-	-	-	-	-	-	-	1069
Other/non-specified	-	-	-	-	-	-	-	-	12	-	12
<b>OTHER</b>	<b>168</b>	<b>-</b>	<b>241</b>	<b>68</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>179</b>	<b>550</b>	<b>128</b>	<b>1334</b>
Residential	114	-	-	43	-	-	-	179	391	96	823
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	8	-	8
Other/non-specified	54	-	241	25	-	-	-	-	151	32	503
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>173</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>173</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	8991	-	53	54	-	8026	-	-	-	-	17124
Heat generated - TJ	3088	-	1163	1606	-	-	-	144	-	-	6001

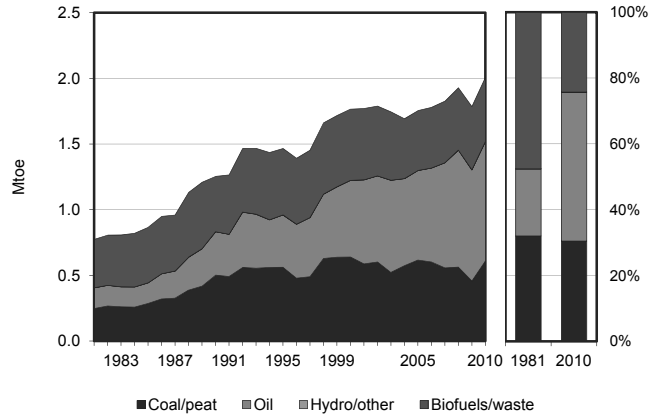
\* Includes transfers, statistical differences, energy industry own use, and losses.

**Botswana**

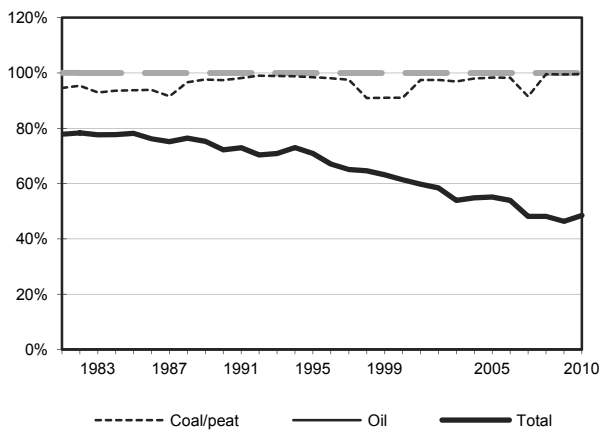
**Figure 1. Energy production**



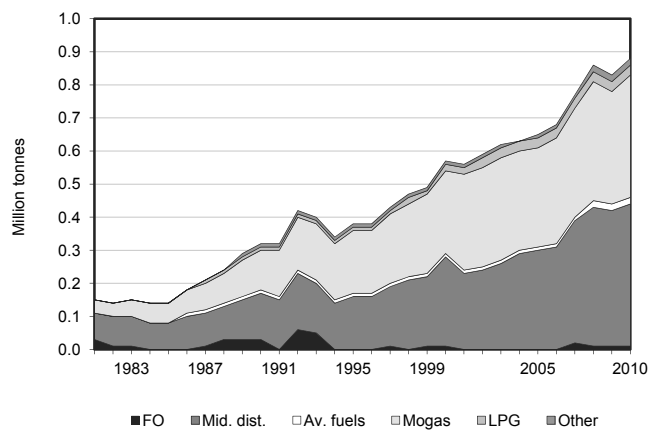
**Figure 2. Total primary energy supply\***



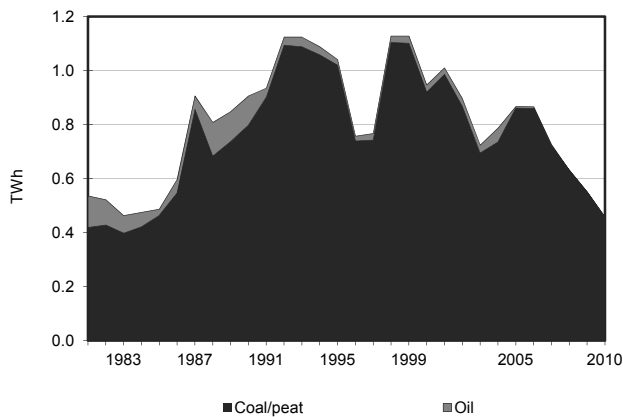
**Figure 3. Energy self-sufficiency\*\***



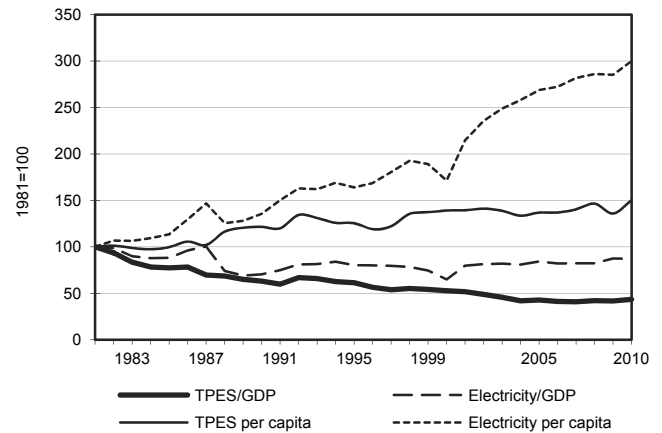
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Botswana

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	455	-	-	-	-	-	0	481	-	-	936
Imports	2	-	863	-	-	-	-	-	236	-	1101
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Stock changes	1	-	-	-	-	-	-	-	-	-	1
<b>TPES</b>	<b>457</b>	-	<b>847</b>	-	-	-	<b>0</b>	<b>481</b>	<b>236</b>	-	<b>2022</b>
Electricity and CHP plants	-277	-	-	-	-	-	-	-	47	-	-229
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	10	-	2	-	-	-	-	-	-32	-	-20
<b>TFC</b>	<b>190</b>	-	<b>849</b>	-	-	-	<b>0</b>	<b>481</b>	<b>252</b>	-	<b>1773</b>
<b>INDUSTRY</b>	<b>181</b>	-	<b>143</b>	-	-	-	-	-	<b>106</b>	-	<b>430</b>
Iron and steel	-	-	-	-	-	-	-	-	1	-	1
Chemical and petrochemical	-	-	-	-	-	-	-	-	1	-	1
Non-metallic minerals	-	-	2	-	-	-	-	-	1	-	3
Other/non-specified	181	-	141	-	-	-	-	-	103	-	425
<b>TRANSPORT</b>	-	-	<b>632</b>	-	-	-	-	-	-	-	<b>632</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	621	-	-	-	-	-	-	-	621
Other/non-specified	-	-	8	-	-	-	-	-	-	-	8
<b>OTHER</b>	<b>9</b>	-	<b>59</b>	-	-	-	<b>0</b>	<b>481</b>	<b>146</b>	-	<b>696</b>
Residential	-	-	29	-	-	-	0	481	66	-	577
Comm. and public services	1	-	20	-	-	-	-	-	71	-	92
Agriculture/forestry	3	-	9	-	-	-	-	0	7	-	20
Other/non-specified	5	-	1	-	-	-	-	-	1	-	7
<b>NON-ENERGY USE</b>	-	-	<b>15</b>	-	-	-	-	-	-	-	<b>15</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	550	-	-	-	-	-	-	-	-	-	550
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	609	-	-	-	-	-	0	488	-	-	1097
Imports	2	-	925	-	-	-	-	-	257	-	1183
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-17	-	-	-	-	-	-	-	-17
Stock changes	1	-	-	-	-	-	-	-	-	-	1
<b>TPES</b>	<b>611</b>	-	<b>908</b>	-	-	-	<b>0</b>	<b>488</b>	<b>257</b>	-	<b>2263</b>
Electricity and CHP plants	-296	-	-	-	-	-	-	-	39	-	-257
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-112	-	-2	-	-	-	-	-	-28	-	-141
<b>TFC</b>	<b>203</b>	-	<b>906</b>	-	-	-	<b>0</b>	<b>488</b>	<b>268</b>	-	<b>1865</b>
<b>INDUSTRY</b>	<b>194</b>	-	<b>153</b>	-	-	-	-	-	<b>117</b>	-	<b>464</b>
Iron and steel	-	-	-	-	-	-	-	-	1	-	1
Chemical and petrochemical	-	-	-	-	-	-	-	-	2	-	2
Non-metallic minerals	-	-	2	-	-	-	-	-	1	-	3
Other/non-specified	194	-	151	-	-	-	-	-	113	-	458
<b>TRANSPORT</b>	-	-	<b>677</b>	-	-	-	-	-	-	-	<b>677</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	666	-	-	-	-	-	-	-	666
Other/non-specified	-	-	9	-	-	-	-	-	-	-	9
<b>OTHER</b>	<b>9</b>	-	<b>59</b>	-	-	-	<b>0</b>	<b>488</b>	<b>151</b>	-	<b>707</b>
Residential	-	-	29	-	-	-	0	488	71	-	588
Comm. and public services	1	-	20	-	-	-	-	-	71	-	92
Agriculture/forestry	3	-	9	-	-	-	-	0	8	-	21
Other/non-specified	5	-	1	-	-	-	-	-	1	-	7
<b>NON-ENERGY USE</b>	-	-	<b>16</b>	-	-	-	-	-	-	-	<b>16</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	457	-	-	-	-	-	-	-	-	-	457
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.



Brazil

Figure 1. Energy production

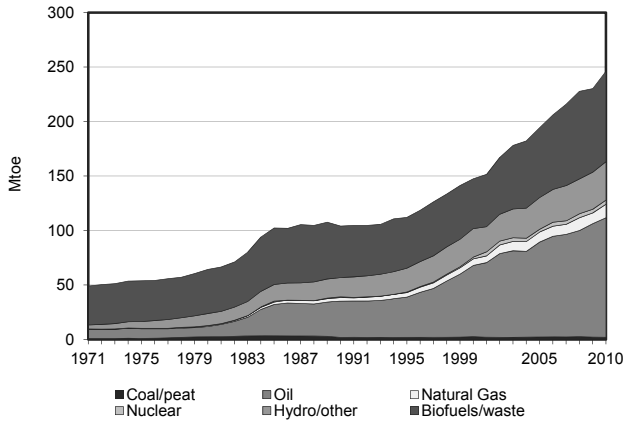


Figure 2. Total primary energy supply\*

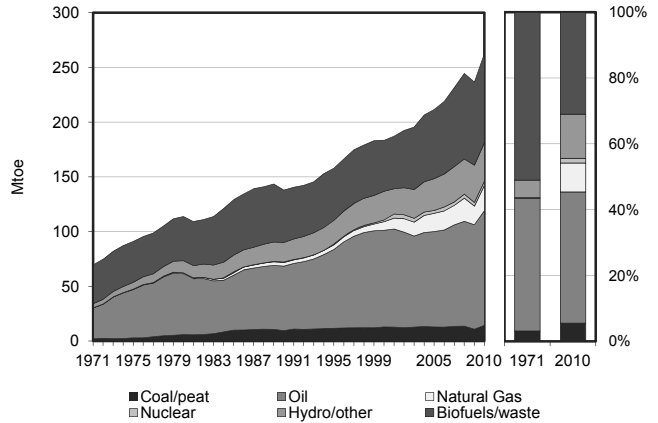


Figure 3. Energy self-sufficiency\*\*

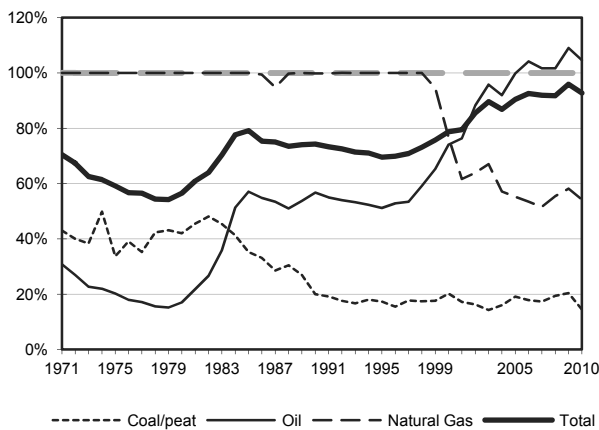


Figure 4. Oil products demand\*\*\*

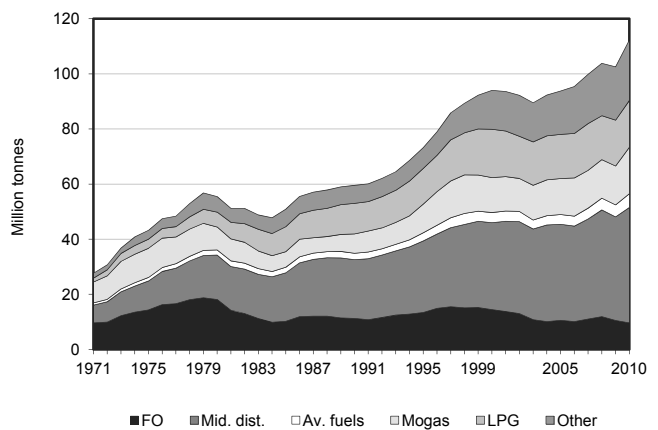


Figure 5. Electricity generation by fuel

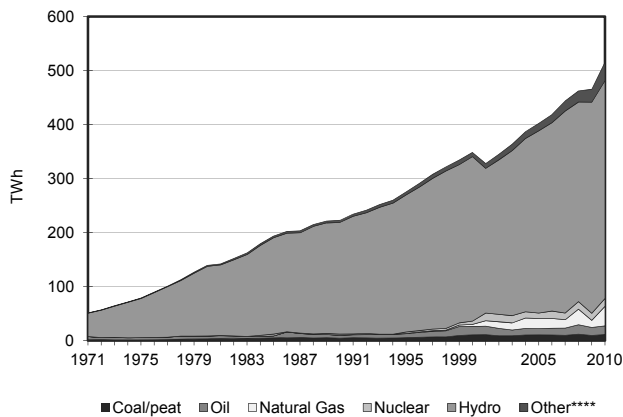
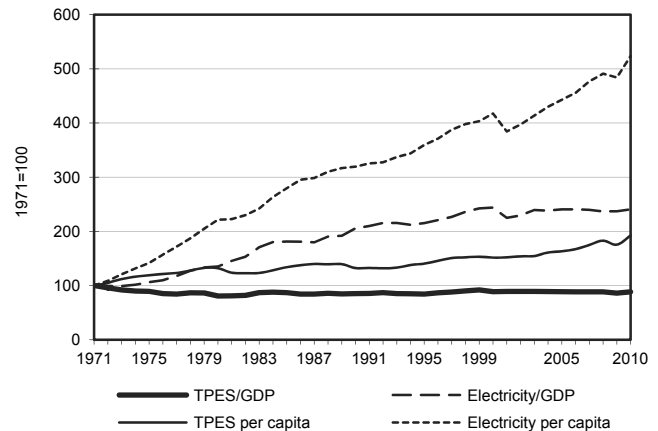


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Brazil

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2239	104057	-	9880	3377	33625	417	76701	-	114	230410
Imports	9076	19347	13358	7115	-	-	-	1	3532	-	52427
Exports	-	-27118	-7852	-	-	-	-	-1715	-93	-	-36778
Intl. marine bunkers	-	-	-3692	-	-	-	-	-	-	-	-3692
Intl. aviation bunkers	-	-	-1654	-	-	-	-	-	-	-	-1654
Stock changes	-335	-1112	88	-	-	-	-	910	-	-	-449
<b>TPES</b>	<b>10980</b>	<b>95174</b>	<b>247</b>	<b>16995</b>	<b>3377</b>	<b>33625</b>	<b>417</b>	<b>75898</b>	<b>3439</b>	<b>114</b>	<b>240265</b>
Transfers	-	-1626	1621	-	-	-	-	-	-	-	-5
Statistical differences	-4	-90	-529	48	-	-	-	-0	-0	-	-574
Electricity plants	-2613	-	-3200	-2499	-3377	-33625	-106	-4223	40090	-114	-9668
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-2792	-	-	-	-	-	-	-	-	-	-2792
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-107	-	-	-	-	-	-	-	-	-	-107
Oil refineries	-	-96590	95899	-	-	-	-	-	-	-	-691
Petrochemical plants	-	3132	-3132	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-3706	-	-	-3706
Energy industry own use	-419	-	-4930	-4841	-	-	-	-12543	-1613	-	-24346
Losses	-166	-	-316	-114	-	-	-	-119	-6890	-	-7605
<b>TFC</b>	<b>4880</b>	<b>-</b>	<b>85661</b>	<b>9589</b>	<b>-</b>	<b>-</b>	<b>310</b>	<b>55306</b>	<b>35025</b>	<b>-</b>	<b>190771</b>
<b>INDUSTRY</b>	<b>4737</b>	<b>-</b>	<b>12215</b>	<b>6777</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>31462</b>	<b>16020</b>	<b>-</b>	<b>71211</b>
Iron and steel	3732	-	835	822	-	-	-	3287	1857	-	10532
Chemical and petrochemical	65	-	2676	1667	-	-	-	147	1991	-	6546
Non-ferrous metals	165	-	1654	623	-	-	-	8	3106	-	5556
Non-metallic minerals	111	-	3468	960	-	-	-	2189	707	-	7435
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	342	-	1029	227	-	-	-	-	706	-	2304
Food and tobacco	47	-	730	529	-	-	-	18298	2020	-	21624
Paper pulp and printing	75	-	597	576	-	-	-	6649	1571	-	9468
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	13	-	-	-	-	-	-	-	13
Textile and leather	-	-	119	272	-	-	-	88	663	-	1143
Non-specified	202	-	1092	1101	-	-	-	797	3398	-	6590
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>47542</b>	<b>1754</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13156</b>	<b>137</b>	<b>-</b>	<b>62588</b>
Domestic aviation	-	-	2875	-	-	-	-	-	-	-	2875
Road	-	-	42675	1754	-	-	-	13156	-	-	57585
Rail	-	-	633	-	-	-	-	-	137	-	770
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	1358	-	-	-	-	-	-	-	1358
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>12602</b>	<b>397</b>	<b>-</b>	<b>-</b>	<b>310</b>	<b>10687</b>	<b>18868</b>	<b>-</b>	<b>42864</b>
Residential	-	-	6123	226	-	-	-	8111	8753	-	23213
Comm. and publ. services	-	-	872	169	-	-	-	158	8688	-	9888
Agriculture/forestry	-	-	5606	2	-	-	-	2418	1428	-	9453
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	310	-	-	-	310
<b>NON-ENERGY USE</b>	<b>143</b>	<b>-</b>	<b>13303</b>	<b>662</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14108</b>
in industry/transf./energy	-	-	13303	662	-	-	-	-	-	-	13965
of which: feedstocks	-	-	7573	662	-	-	-	-	-	-	8235
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	143	-	-	-	-	-	-	-	-	-	143
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>9782</b>	<b>-</b>	<b>14639</b>	<b>13332</b>	<b>12957</b>	<b>390988</b>	<b>1238</b>	<b>22512</b>	<b>-</b>	<b>583</b>	<b>466031</b>
Electricity plants	9782	-	14639	13332	12957	390988	1238	22512	-	583	466031
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4773</b>	<b>4773</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	4773	4773

## Brazil

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2093	109624	-	12486	3785	34683	556	83078	-	68	246373
Imports	12100	17496	21827	10533	-	-	-	39	3088	-	65083
Exports	-	-32614	-6537	-	-	-	-	-984	-108	-	-40243
Intl. marine bunkers	-	-	-3964	-	-	-	-	-	-	-	-3964
Intl. aviation bunkers	-	-	-1949	-	-	-	-	-	-	-	-1949
Stock changes	250	1184	-305	-	-	-	-	-806	-	-	324
<b>TPES</b>	<b>14443</b>	<b>95691</b>	<b>9072</b>	<b>23018</b>	<b>3785</b>	<b>34683</b>	<b>556</b>	<b>81328</b>	<b>2980</b>	<b>68</b>	<b>265624</b>
Transfers	-	-1953	1891	-	-	-	-	-	-	-	-61
Statistical differences	56	-202	-1028	-4	-	-	-	25	-	-	-1154
Electricity plants	-3198	-	-3747	-6622	-3785	-34683	-187	-5799	44359	-68	-13730
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-3425	-	-	-	-	-	-	-	-	-	-3425
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	107	-	-610	-	-	-	-	-	-	-	-503
Oil refineries	-	-96539	96441	-	-	-	-	-	-	-	-98
Petrochemical plants	-	3036	-3036	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-3868	-	-	-3868
Energy industry own use	-462	-33	-5004	-3221	-	-	-	-12774	-2308	-	-23802
Losses	-314	-	-155	-410	-	-	-	-120	-7374	-	-8372
<b>TFC</b>	<b>7208</b>	<b>-</b>	<b>93825</b>	<b>12762</b>	<b>-</b>	<b>-</b>	<b>368</b>	<b>58792</b>	<b>37656</b>	<b>-</b>	<b>210611</b>
<b>INDUSTRY</b>	<b>7065</b>	<b>-</b>	<b>11850</b>	<b>8777</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34238</b>	<b>17488</b>	<b>-</b>	<b>79417</b>
Iron and steel	5377	-	461	850	-	-	-	4033	2341	-	13061
Chemical and petrochemical	121	-	2390	2167	-	-	-	162	2055	-	6894
Non-ferrous metals	768	-	1785	688	-	-	-	9	3198	-	6448
Non-metallic minerals	97	-	3864	1101	-	-	-	2396	776	-	8234
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	418	-	1157	595	-	-	-	-	972	-	3141
Food and tobacco	69	-	664	626	-	-	-	19523	2319	-	23201
Paper pulp and printing	98	-	497	640	-	-	-	7133	1636	-	10005
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	4	-	-	-	-	-	-	-	4
Textile and leather	-	-	77	311	-	-	-	92	714	-	1194
Non-specified	116	-	951	1799	-	-	-	890	3477	-	7233
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>53660</b>	<b>2119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14066</b>	<b>143</b>	<b>-</b>	<b>69987</b>
Domestic aviation	-	-	3240	-	-	-	-	-	-	-	3240
Road	-	-	48122	1672	-	-	-	14066	-	-	63859
Rail	-	-	920	-	-	-	-	-	143	-	1063
Pipeline transport	-	-	-	447	-	-	-	-	-	-	447
Domestic navigation	-	-	1379	-	-	-	-	-	-	-	1379
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>12909</b>	<b>491</b>	<b>-</b>	<b>-</b>	<b>368</b>	<b>10489</b>	<b>20025</b>	<b>-</b>	<b>44283</b>
Residential	-	-	6297	242	-	-	-	7784	9327	-	23649
Comm. and publ. services	-	-	753	248	-	-	-	175	9176	-	10352
Agriculture/forestry	-	-	5859	2	-	-	-	2531	1522	-	9913
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	368	-	-	-	368
<b>NON-ENERGY USE</b>	<b>143</b>	<b>-</b>	<b>15407</b>	<b>1375</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16924</b>
in industry/transf./energy	-	-	15407	1375	-	-	-	-	-	-	16782
of which: feedstocks	-	-	7794	1375	-	-	-	-	-	-	9169
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	143	-	-	-	-	-	-	-	-	-	143
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>11338</b>	<b>-</b>	<b>16065</b>	<b>36475</b>	<b>14523</b>	<b>403289</b>	<b>2177</b>	<b>31495</b>	<b>-</b>	<b>383</b>	<b>515745</b>
Electricity plants	11338	-	16065	36475	14523	403289	2177	31495	-	383	515745
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2855</b>	<b>2855</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	2855	2855

### Brunei Darussalam

Figure 1. Energy production

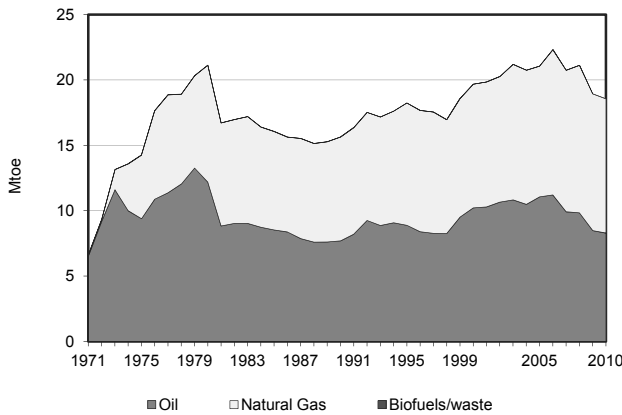


Figure 2. Total primary energy supply\*

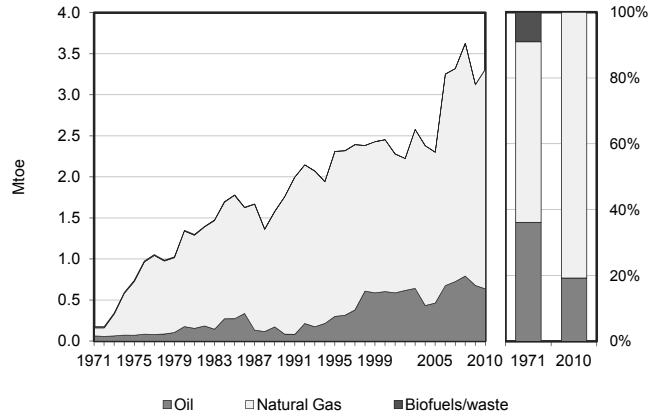


Figure 3. Energy self-sufficiency\*\*

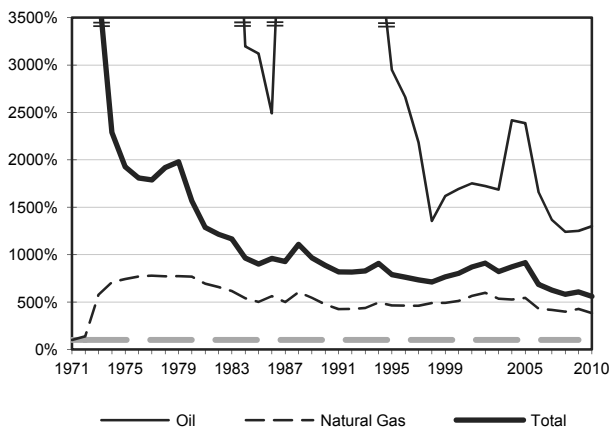


Figure 4. Oil products demand\*\*\*

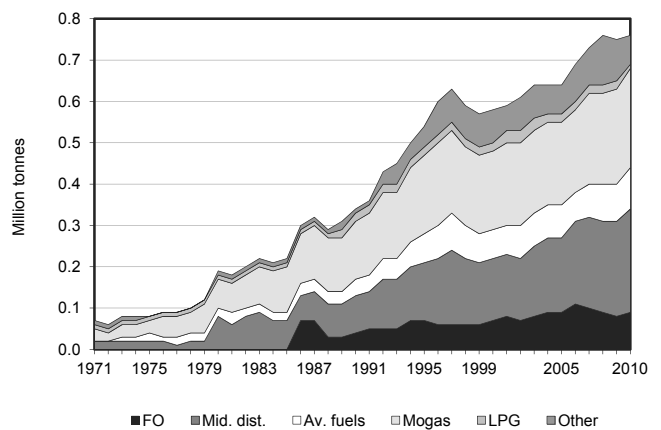


Figure 5. Electricity generation by fuel

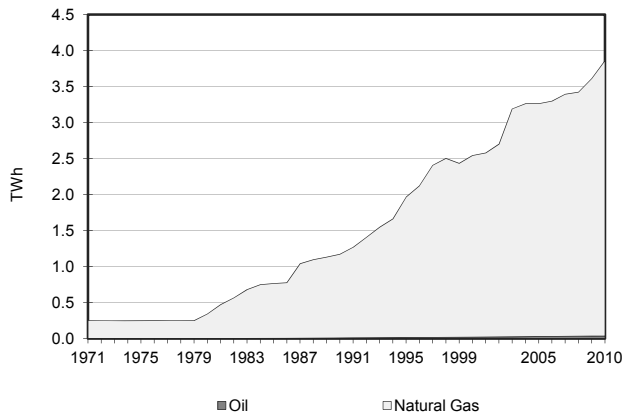
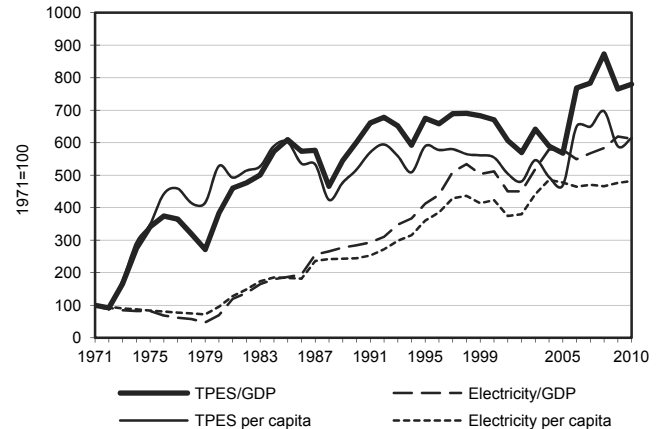


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 3500%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Brunei Darussalam

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	8485	-	10454	-	-	-	-	-	-	18939
Imports	-	-	98	-	-	-	-	-	-	-	98
Exports	-	-7667	-	-8009	-	-	-	-	-	-	-15675
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-91	-	-	-	-	-	-	-	-91
Stock changes	-	-145	-3	-	-	-	-	-	-	-	-148
<b>TPES</b>	-	<b>674</b>	<b>4</b>	<b>2445</b>	-	-	-	-	-	-	<b>3123</b>
Electricity and CHP plants	-	-	-9	-1155	-	-	-	-	311	-	-854
Oil refineries	-	-690	673	-	-	-	-	-	-	-	-17
Other transformation*	-	16	-86	-499	-	-	-	-	-32	-	-600
<b>TFC</b>	-	-	<b>582</b>	<b>791</b>	-	-	-	-	<b>279</b>	-	<b>1653</b>
<b>INDUSTRY</b>	-	-	<b>141</b>	<b>762</b>	-	-	-	-	<b>48</b>	-	<b>952</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	47	-	-	-	-	-	-	-	47
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	94	762	-	-	-	-	48	-	904
<b>TRANSPORT</b>	-	-	<b>377</b>	-	-	-	-	-	-	-	<b>377</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	377	-	-	-	-	-	-	-	377
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>53</b>	<b>26</b>	-	-	-	-	<b>231</b>	-	<b>310</b>
Residential	-	-	18	26	-	-	-	-	105	-	149
Comm. and public services	-	-	-	-	-	-	-	-	125	-	125
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	35	-	-	-	-	-	-	-	35
<b>NON-ENERGY USE</b>	-	-	<b>10</b>	<b>3</b>	-	-	-	-	-	-	<b>14</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	37	3575	-	-	-	-	-	-	3612
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	8293	-	10266	-	-	-	-	-	-	18559
Imports	-	14	143	-	-	-	-	-	-	-	157
Exports	-	-7869	-	-7590	-	-	-	-	-	-	-15459
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-111	-	-	-	-	-	-	-	-111
Stock changes	-	165	3	-	-	-	-	-	-	-	168
<b>TPES</b>	-	<b>603</b>	<b>35</b>	<b>2677</b>	-	-	-	-	-	-	<b>3314</b>
Electricity and CHP plants	-	-	-9	-1172	-	-	-	-	332	-	-850
Oil refineries	-	-663	645	-	-	-	-	-	-	-	-18
Other transformation*	-	60	-94	-666	-	-	-	-	-46	-	-746
<b>TFC</b>	-	-	<b>577</b>	<b>838</b>	-	-	-	-	<b>286</b>	-	<b>1701</b>
<b>INDUSTRY</b>	-	-	<b>151</b>	<b>810</b>	-	-	-	-	<b>51</b>	-	<b>1011</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	39	-	-	-	-	-	-	-	39
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	112	810	-	-	-	-	51	-	972
<b>TRANSPORT</b>	-	-	<b>395</b>	-	-	-	-	-	-	-	<b>395</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	395	-	-	-	-	-	-	-	395
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>16</b>	<b>25</b>	-	-	-	-	<b>235</b>	-	<b>276</b>
Residential	-	-	16	25	-	-	-	-	102	-	142
Comm. and public services	-	-	-	-	-	-	-	-	134	-	134
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>15</b>	<b>3</b>	-	-	-	-	-	-	<b>18</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	38	3824	-	-	-	-	-	-	3862
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Bulgaria

Figure 1. Energy production

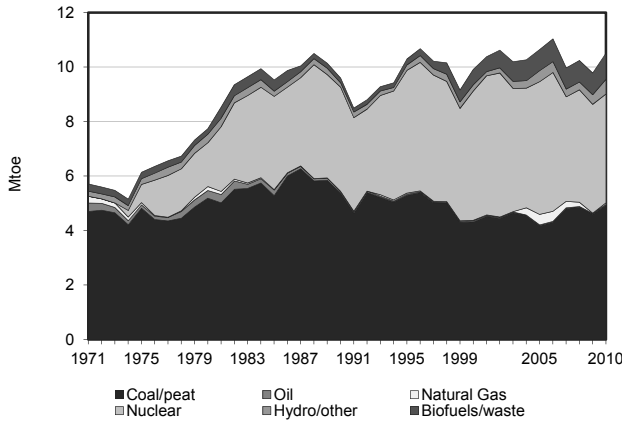


Figure 2. Total primary energy supply\*

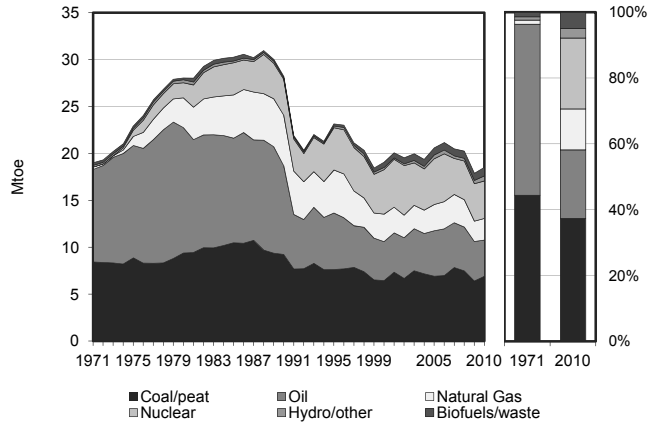


Figure 3. Energy self-sufficiency\*\*

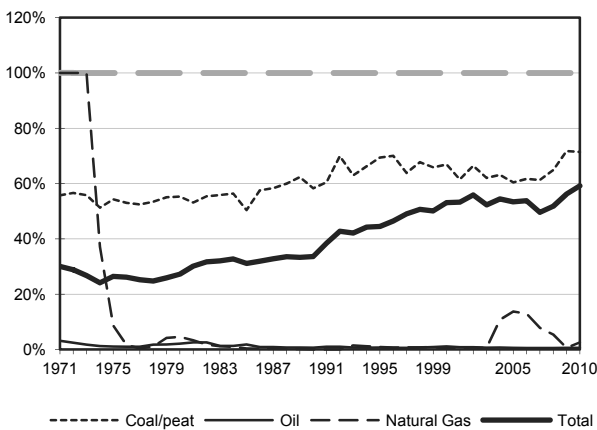


Figure 4. Oil products demand\*\*\*

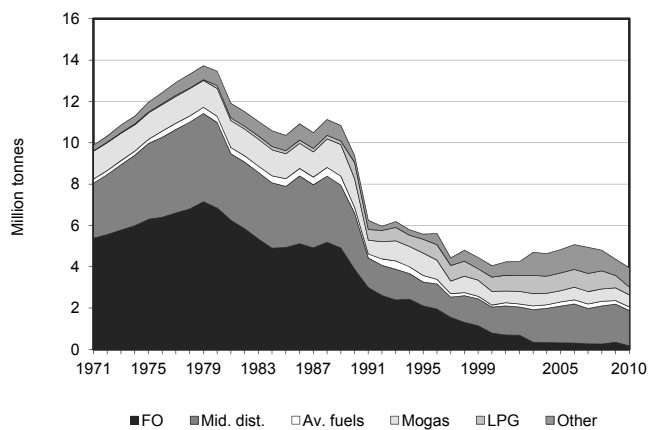


Figure 5. Electricity generation by fuel

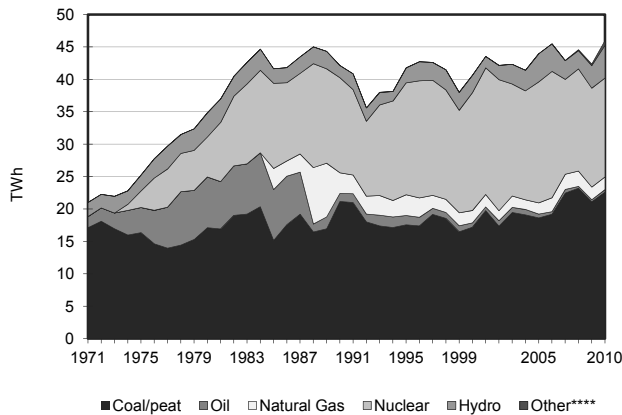
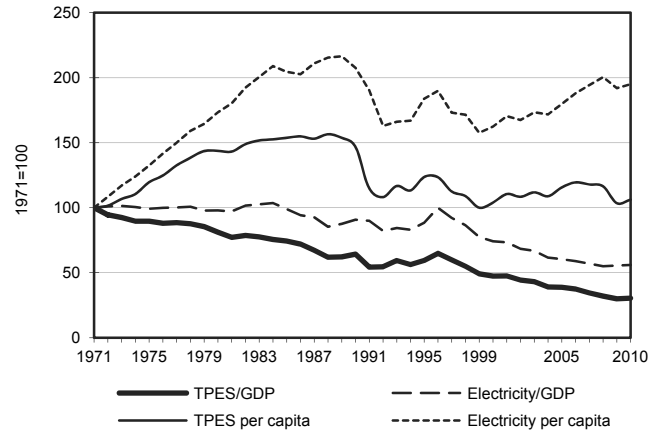


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Bulgaria

2009

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	4598	24	-	13	3999	298	53	798	-	42	9826
Imports	1750	6330	1504	2130	-	-	-	-	229	-	11944
Exports	-6	-	-3168	-	-	-	-	-37	-665	-	-3875
Intl. marine bunkers	-	-	-206	-	-	-	-	-	-	-	-206
Intl. aviation bunkers	-	-	-152	-	-	-	-	-	-	-	-152
Stock changes	64	66	-181	17	-	-	-	-11	-	-	-44
<b>TPES</b>	<b>6407</b>	<b>6420</b>	<b>-2202</b>	<b>2160</b>	<b>3999</b>	<b>298</b>	<b>53</b>	<b>750</b>	<b>-436</b>	<b>42</b>	<b>17492</b>
Transfers	-	103	-87	-	-	-	-	-	-	-	16
Statistical differences	10	0	-99	-26	-	-	-	-0	-6	4	-116
Electricity plants	-4649	-	-21	-3	-3976	-298	-21	-	3164	-5	-5810
CHP plants	-1399	-	-172	-678	-23	-	-	-1	481	1144	-648
Heat plants	-	-	-36	-229	-	-	-	-2	-	249	-17
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-9	-	-	-	-	-	-	-	-	-	-9
Oil refineries	-	-6574	6436	-	-	-	-	-	-	-	-138
Petrochemical plants	-	29	-28	-	-	-	-	-	-	-	1
Liquefaction plants	-	22	-	-	-	-	-	-	-	-	22
Other transformation	-	-	-	-20	-	-	-	13	-	-	-7
Energy industry own use	-1	-	-304	-39	-	-	-	-	-506	-370	-1221
Losses	-7	-	-2	-17	-	-	-	-	-388	-132	-546
<b>TFC</b>	<b>352</b>	<b>-</b>	<b>3484</b>	<b>1148</b>	<b>-</b>	<b>-</b>	<b>33</b>	<b>760</b>	<b>2309</b>	<b>933</b>	<b>9019</b>
<b>INDUSTRY</b>	<b>205</b>	<b>-</b>	<b>365</b>	<b>602</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>83</b>	<b>722</b>	<b>456</b>	<b>2432</b>
Iron and steel	23	-	1	97	-	-	-	0	96	-	216
Chemical and petrochemical	52	-	37	102	-	-	-	0	105	310	606
Non-ferrous metals	29	-	29	17	-	-	-	-	76	15	165
Non-metallic minerals	82	-	170	193	-	-	-	15	63	0	523
Transport equipment	-	-	-	3	-	-	-	0	8	0	11
Machinery	1	-	7	24	-	-	-	0	59	1	92
Mining and quarrying	6	-	6	0	-	-	-	0	76	0	88
Food and tobacco	10	-	38	92	-	-	-	10	96	17	263
Paper pulp and printing	-	-	-	27	-	-	-	18	21	2	68
Wood and wood products	-	-	10	8	-	-	-	35	12	-	65
Construction	1	-	52	9	-	-	-	0	32	1	95
Textile and leather	1	-	10	23	-	-	-	0	42	7	83
Non-specified	0	-	5	7	-	-	-	4	37	104	157
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>2529</b>	<b>189</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>40</b>	<b>-</b>	<b>2763</b>
Domestic aviation	-	-	24	-	-	-	-	-	-	-	24
Road	-	-	2485	49	-	-	-	5	-	-	2539
Rail	-	-	20	-	-	-	-	-	31	-	51
Pipeline transport	-	-	-	140	-	-	-	-	2	-	142
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	7	-	7
<b>OTHER</b>	<b>147</b>	<b>-</b>	<b>219</b>	<b>143</b>	<b>-</b>	<b>-</b>	<b>33</b>	<b>673</b>	<b>1547</b>	<b>477</b>	<b>3237</b>
Residential	137	-	26	51	-	-	-	653	886	361	2114
Comm. and publ. services	5	-	65	66	-	-	33	16	639	115	939
Agriculture/forestry	5	-	127	26	-	-	-	4	22	0	183
Fishing	-	-	1	-	-	-	-	-	0	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>372</b>	<b>214</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>586</b>
in industry/transf./energy	-	-	372	214	-	-	-	-	-	-	586
of which: feedstocks	-	-	187	214	-	-	-	-	-	-	401
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>21103</b>	<b>-</b>	<b>328</b>	<b>1961</b>	<b>15256</b>	<b>3470</b>	<b>240</b>	<b>8</b>	<b>-</b>	<b>15</b>	<b>42381</b>
Electricity plants	17767	-	29	11	15256	3470	240	-	-	-	36773
CHP plants	3336	-	299	1950	-	-	-	8	-	15	5608
<b>Heat generated - TJ</b>	<b>26070</b>	<b>-</b>	<b>6041</b>	<b>25232</b>	<b>967</b>	<b>-</b>	<b>-</b>	<b>61</b>	<b>-</b>	<b>1742</b>	<b>60113</b>
CHP plants	26070	-	4652	16237	967	-	-	-	-	-	47926
Heat plants	-	-	1389	8995	-	-	-	61	-	1742	12187

## Bulgaria

2010

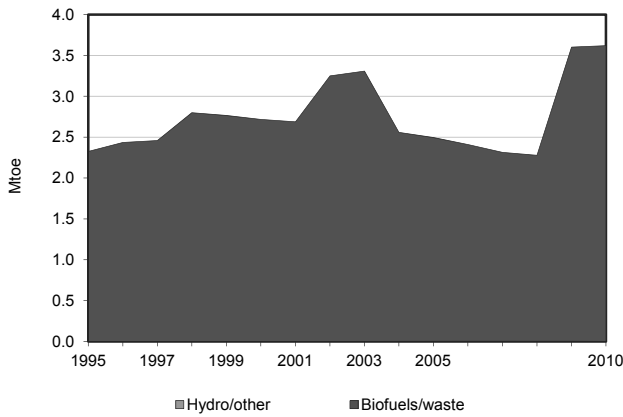
Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	4937	22	-	59	3997	435	103	961	-	55	10569
Imports	1744	6103	1682	2130	-	-	-	11	100	-	11770
Exports	-38	-	-3573	-	-	-	-	-66	-827	-	-4504
Intl. marine bunkers	-	-	-96	-	-	-	-	-	-	-	-96
Intl. aviation bunkers	-	-	-167	-	-	-	-	-	-	-	-167
Stock changes	271	-2	-100	110	-	-	-	8	-	-	287
<b>TPES</b>	<b>6914</b>	<b>6123</b>	<b>-2255</b>	<b>2300</b>	<b>3997</b>	<b>435</b>	<b>103</b>	<b>913</b>	<b>-726</b>	<b>55</b>	<b>17857</b>
Transfers	-	76	-71	-	-	-	-	-	-	-	5
Statistical differences	-39	-5	-29	-18	-	-	-	-0	-7	-5	-104
Electricity plants	-5187	-	-58	-5	-3974	-435	-60	-	3520	-1	-6199
CHP plants	-1189	-	-161	-681	-23	-	-	-4	437	1080	-540
Heat plants	-16	-	-14	-272	-	-	-	-2	-	283	-22
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-31	-	-	-	-	-	-	-	-	-	-31
Oil refineries	-	-6232	6005	-	-	-	-	-	-	-	-228
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	38	-	-	-	-	-	-	-	-	38
Other transformation	1	-	-	-34	-	-	-	13	-	-	-20
Energy industry own use	-1	-	-289	-27	-	-	-	-	-508	-309	-1134
Losses	-10	-	-	-13	-	-	-	-	-385	-139	-548
<b>TFC</b>	<b>441</b>	<b>-</b>	<b>3128</b>	<b>1250</b>	<b>-</b>	<b>-</b>	<b>43</b>	<b>920</b>	<b>2331</b>	<b>963</b>	<b>9076</b>
<b>INDUSTRY</b>	<b>262</b>	<b>-</b>	<b>322</b>	<b>620</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>174</b>	<b>672</b>	<b>485</b>	<b>2535</b>
Iron and steel	26	-	-	57	-	-	-	0	72	-	154
Chemical and petrochemical	75	-	6	127	-	-	-	0	81	356	644
Non-ferrous metals	31	-	32	19	-	-	-	0	79	10	171
Non-metallic minerals	118	-	200	201	-	-	-	20	65	0	603
Transport equipment	-	-	-	4	-	-	-	0	8	0	12
Machinery	1	-	6	24	-	-	-	0	63	1	95
Mining and quarrying	-	-	7	0	-	-	-	0	72	-	79
Food and tobacco	10	-	23	105	-	-	-	7	94	11	251
Paper pulp and printing	-	-	9	32	-	-	-	115	28	5	190
Wood and wood products	1	-	1	14	-	-	-	29	15	0	60
Construction	1	-	30	7	-	-	-	0	26	1	65
Textile and leather	1	-	8	20	-	-	-	0	33	7	69
Non-specified	-	-	1	10	-	-	-	2	35	93	140
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>2440</b>	<b>207</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>	<b>34</b>	<b>-</b>	<b>2702</b>
Domestic aviation	-	-	15	-	-	-	-	-	-	-	15
Road	-	-	2405	66	-	-	-	20	-	-	2491
Rail	-	-	20	-	-	-	-	-	25	-	45
Pipeline transport	-	-	-	141	-	-	-	-	2	-	143
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	7	-	7
<b>OTHER</b>	<b>179</b>	<b>-</b>	<b>193</b>	<b>154</b>	<b>-</b>	<b>-</b>	<b>43</b>	<b>726</b>	<b>1624</b>	<b>478</b>	<b>3397</b>
Residential	172	-	23	49	-	-	6	711	908	354	2224
Comm. and publ. services	4	-	46	80	-	-	36	11	697	115	989
Agriculture/forestry	4	-	124	24	-	-	-	3	19	9	183
Fishing	-	-	1	-	-	-	-	-	0	-	1
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>173</b>	<b>269</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>443</b>
in industry/transf./energy	-	-	173	269	-	-	-	-	-	-	443
of which: feedstocks	-	-	-	269	-	-	-	-	-	-	269
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>22606</b>	<b>-</b>	<b>393</b>	<b>1967</b>	<b>15249</b>	<b>5057</b>	<b>696</b>	<b>35</b>	<b>-</b>	<b>14</b>	<b>46017</b>
Electricity plants	19741	-	162	17	15249	5057	696	-	-	-	40922
CHP plants	2865	-	231	1950	-	-	-	35	-	14	5095
<b>Heat generated - TJ</b>	<b>21789</b>	<b>-</b>	<b>5275</b>	<b>28980</b>	<b>943</b>	<b>-</b>	<b>-</b>	<b>80</b>	<b>-</b>	<b>2283</b>	<b>59350</b>
CHP plants	21211	-	4787	18278	943	-	-	13	-	-	45232
Heat plants	578	-	488	10702	-	-	-	67	-	2283	14118

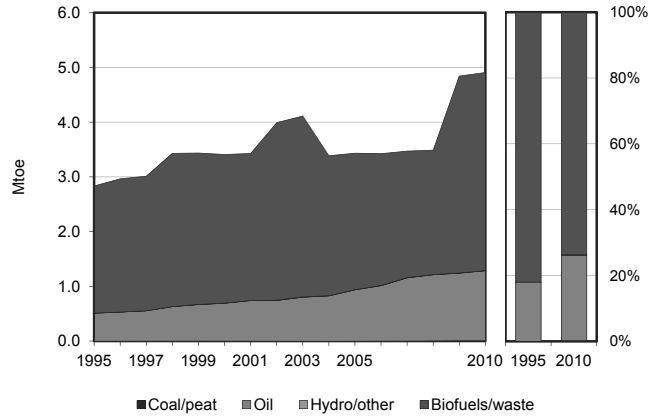


### Cambodia

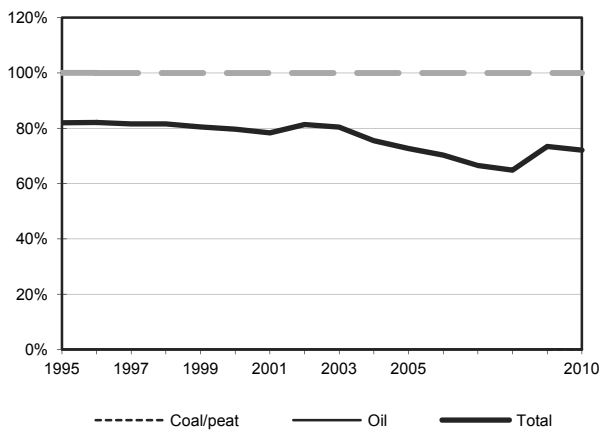
**Figure 1. Energy production**



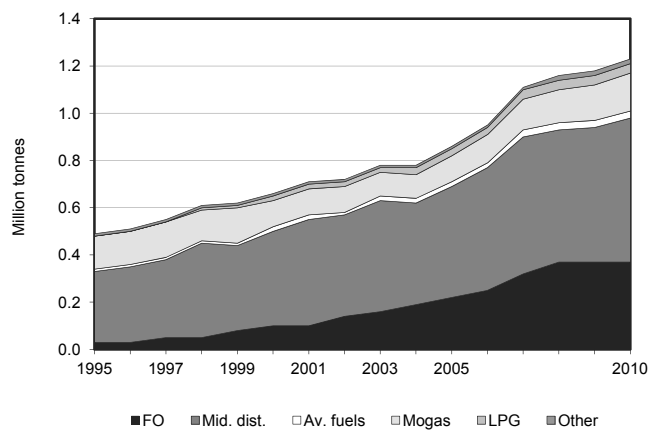
**Figure 2. Total primary energy supply\***



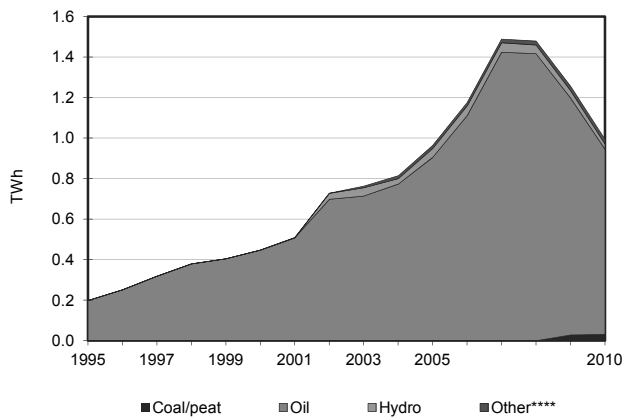
**Figure 3. Energy self-sufficiency\*\***



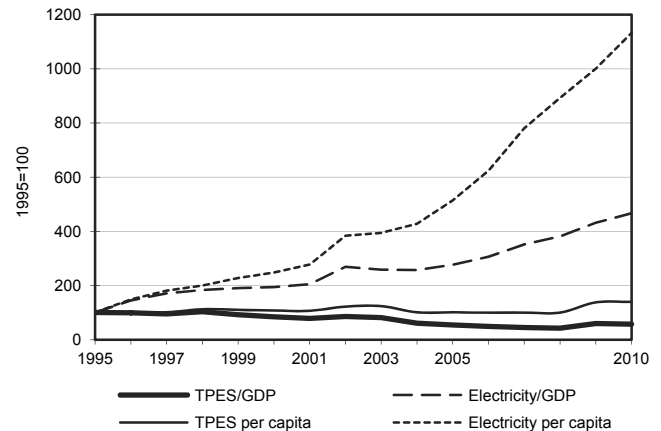
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Cambodia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	3	0	3599	-	-	3603
Imports	15	-	1258	-	-	-	-	-	62	-	1335
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-24	-	-	-	-	-	-	-	-24
Stock changes	-7	-	-	-	-	-	-	-	-	-	-7
<b>TPES</b>	<b>8</b>	<b>-</b>	<b>1235</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>0</b>	<b>3599</b>	<b>62</b>	<b>-</b>	<b>4907</b>
Electricity and CHP plants	-8	-	-313	-	-	-3	-0	-6	108	-	-222
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-0	-	-47	-	-	-	-	-493	-17	-	-558
<b>TFC</b>	<b>-</b>	<b>-</b>	<b>875</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3100</b>	<b>153</b>	<b>-</b>	<b>4127</b>
<b>INDUSTRY</b>	<b>-</b>	<b>-</b>	<b>129</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>644</b>	<b>28</b>	<b>-</b>	<b>802</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	129	-	-	-	-	644	28	-	802
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>606</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>606</b>
Domestic aviation	-	-	6	-	-	-	-	-	-	-	6
Road	-	-	493	-	-	-	-	-	-	-	493
Other/non-specified	-	-	106	-	-	-	-	-	-	-	106
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>122</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2455</b>	<b>125</b>	<b>-</b>	<b>2702</b>
Residential	-	-	122	-	-	-	-	2455	78	-	2655
Comm. and public services	-	-	-	-	-	-	-	-	41	-	41
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	6	-	6
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	28	-	1170	-	-	37	2	19	-	-	1256
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	2	0	3619	-	-	3621
Imports	16	-	1304	-	-	-	-	-	117	-	1437
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-26	-	-	-	-	-	-	-	-26
Stock changes	-8	-	-	-	-	-	-	-	-	-	-8
<b>TPES</b>	<b>8</b>	<b>-</b>	<b>1278</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>0</b>	<b>3619</b>	<b>117</b>	<b>-</b>	<b>5024</b>
Electricity and CHP plants	-8	-	-242	-	-	-2	-0	-7	85	-	-174
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-0	-	-51	-	-	-	-	-509	-27	-	-588
<b>TFC</b>	<b>-</b>	<b>-</b>	<b>985</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3102</b>	<b>175</b>	<b>-</b>	<b>4262</b>
<b>INDUSTRY</b>	<b>-</b>	<b>-</b>	<b>205</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>657</b>	<b>33</b>	<b>-</b>	<b>894</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	205	-	-	-	-	657	33	-	894
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>630</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>630</b>
Domestic aviation	-	-	6	-	-	-	-	-	-	-	6
Road	-	-	513	-	-	-	-	-	-	-	513
Other/non-specified	-	-	111	-	-	-	-	-	-	-	111
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>131</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2445</b>	<b>143</b>	<b>-</b>	<b>2719</b>
Residential	-	-	131	-	-	-	-	2445	89	-	2665
Comm. and public services	-	-	-	-	-	-	-	-	47	-	47
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	7	-	7
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	31	-	914	-	-	26	3	20	-	-	994
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

Cameroon

Figure 1. Energy production

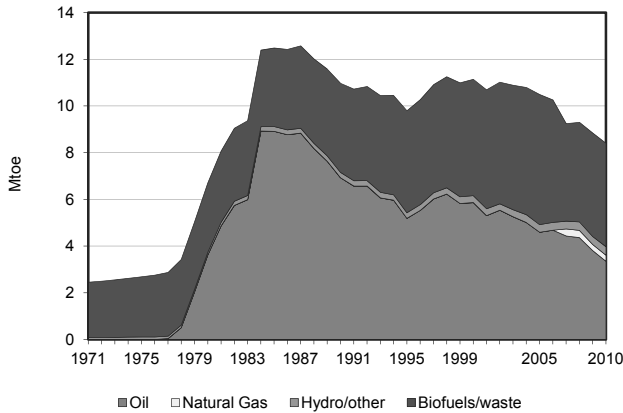


Figure 2. Total primary energy supply\*

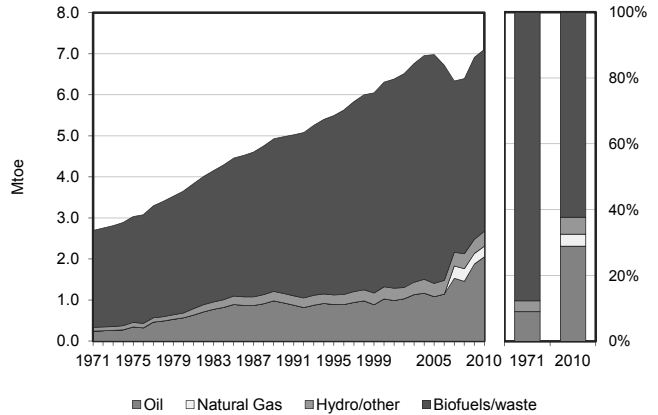


Figure 3. Energy self-sufficiency\*\*

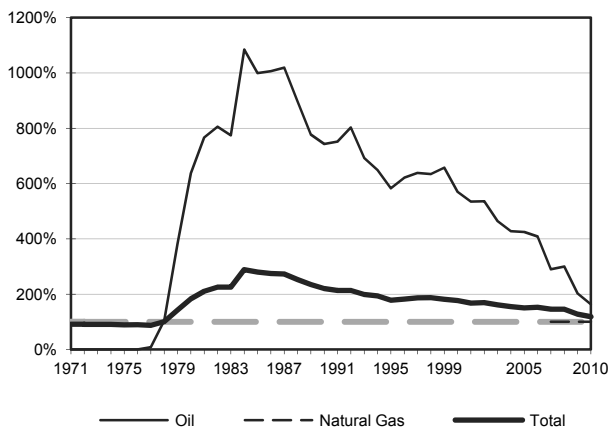


Figure 4. Oil products demand\*\*\*

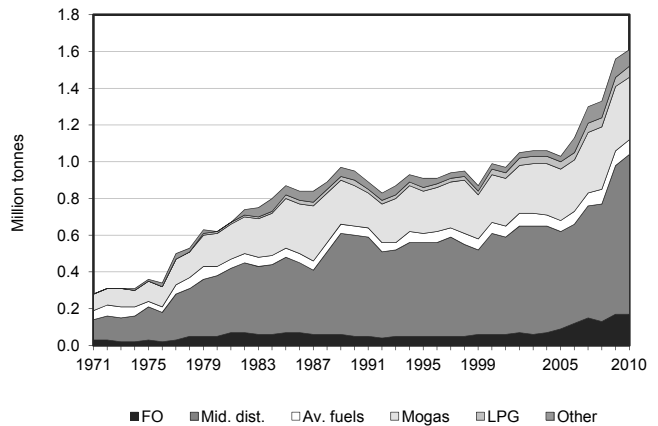


Figure 5. Electricity generation by fuel

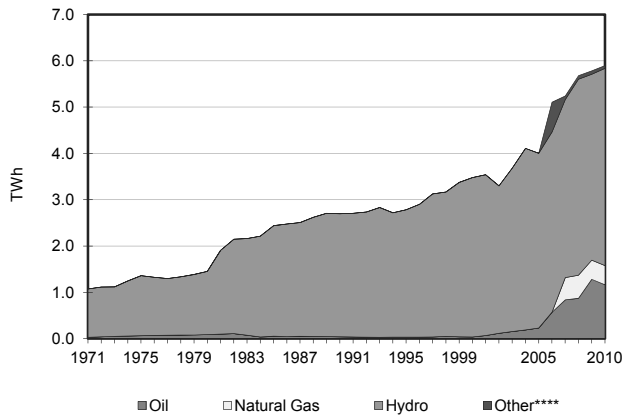
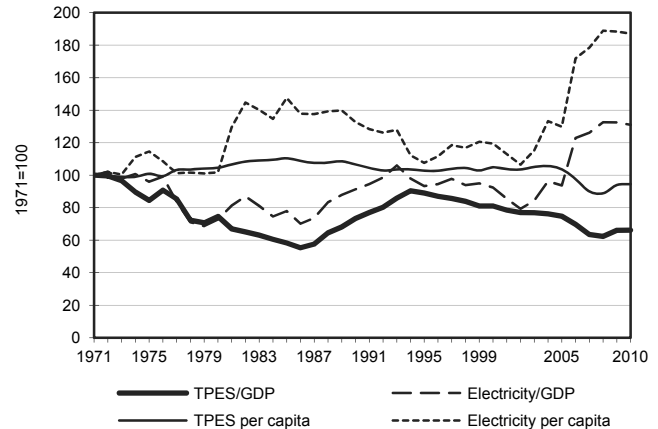


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Cameroon

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	3810	-	257	-	345	-	4433	-	-	8845
Imports	-	1440	330	-	-	-	-	-	-	-	1770
Exports	-	-3282	-680	-	-	-	-	-	-	-	-3963
Intl. marine bunkers	-	-	-50	-	-	-	-	-	-	-	-50
Intl. aviation bunkers	-	-	-71	-	-	-	-	-	-	-	-71
Stock changes	-	176	207	-	-	-	-	-	-	-	383
<b>TPES</b>	-	<b>2144</b>	<b>-265</b>	<b>257</b>	-	<b>345</b>	-	<b>4433</b>	-	-	<b>6914</b>
Electricity and CHP plants	-	-	-295	-95	-	-345	-	-16	497	-	-254
Oil refineries	-	-1787	1793	-	-	-	-	-	-	-	6
Other transformation*	-	-357	-127	-162	-	-	-	-160	-96	-	-902
<b>TFC</b>	-	-	<b>1107</b>	-	-	-	-	<b>4256</b>	<b>401</b>	-	<b>5764</b>
<b>INDUSTRY</b>	-	-	<b>121</b>	-	-	-	-	-	<b>234</b>	-	<b>355</b>
Iron and steel	-	-	-	-	-	-	-	-	5	-	5
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	5	-	-	-	-	-	10	-	14
Other/non-specified	-	-	116	-	-	-	-	-	220	-	336
<b>TRANSPORT</b>	-	-	<b>835</b>	-	-	-	-	-	-	-	<b>835</b>
Domestic aviation	-	-	15	-	-	-	-	-	-	-	15
Road	-	-	798	-	-	-	-	-	-	-	798
Other/non-specified	-	-	22	-	-	-	-	-	-	-	22
<b>OTHER</b>	-	-	<b>126</b>	-	-	-	-	<b>4256</b>	<b>167</b>	-	<b>4550</b>
Residential	-	-	123	-	-	-	-	3869	78	-	4070
Comm. and public services	-	-	3	-	-	-	-	387	85	-	475
Agriculture/forestry	-	-	-	-	-	-	-	-	4	-	4
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>24</b>	-	-	-	-	-	-	-	<b>24</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1283	413	-	4016	-	71	-	-	5783
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	3350	-	259	-	366	-	4429	-	-	8405
Imports	-	1735	283	-	-	-	-	-	-	-	2018
Exports	-	-2860	-640	-	-	-	-	-	-	-	-3501
Intl. marine bunkers	-	-	-44	-	-	-	-	-	-	-	-44
Intl. aviation bunkers	-	-	-69	-	-	-	-	-	-	-	-69
Stock changes	-	130	170	-	-	-	-	-	-	-	300
<b>TPES</b>	-	<b>2355</b>	<b>-301</b>	<b>259</b>	-	<b>366</b>	-	<b>4429</b>	-	-	<b>7109</b>
Electricity and CHP plants	-	-	-323	-96	-	-366	-	-13	507	-	-291
Oil refineries	-	-2092	2124	-	-	-	-	-	-	-	32
Other transformation*	-	-263	-347	-163	-	-	-	-163	-89	-	-1026
<b>TFC</b>	-	-	<b>1153</b>	-	-	-	-	<b>4253</b>	<b>418</b>	-	<b>5824</b>
<b>INDUSTRY</b>	-	-	<b>113</b>	-	-	-	-	-	<b>239</b>	-	<b>352</b>
Iron and steel	-	-	-	-	-	-	-	-	6	-	6
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	4	-	-	-	-	-	10	-	14
Other/non-specified	-	-	109	-	-	-	-	-	223	-	332
<b>TRANSPORT</b>	-	-	<b>887</b>	-	-	-	-	-	-	-	<b>887</b>
Domestic aviation	-	-	16	-	-	-	-	-	-	-	16
Road	-	-	850	-	-	-	-	-	-	-	850
Other/non-specified	-	-	21	-	-	-	-	-	-	-	21
<b>OTHER</b>	-	-	<b>129</b>	-	-	-	-	<b>4253</b>	<b>179</b>	-	<b>4561</b>
Residential	-	-	125	-	-	-	-	3866	85	-	4075
Comm. and public services	-	-	5	-	-	-	-	387	89	-	481
Agriculture/forestry	-	-	-	-	-	-	-	-	5	-	5
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>24</b>	-	-	-	-	-	-	-	<b>24</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1163	417	-	4260	-	59	-	-	5899
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## People's Republic of China

Figure 1. Energy production

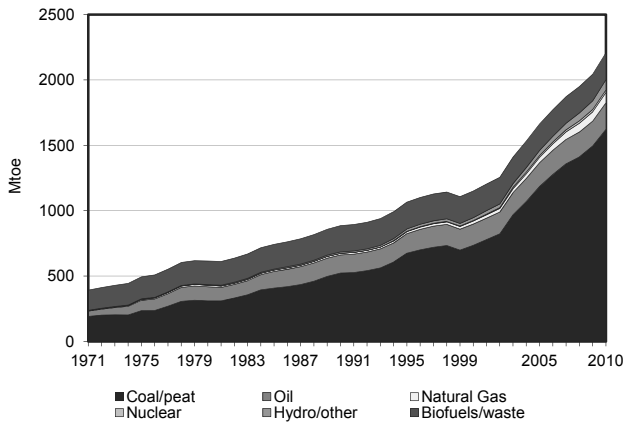


Figure 2. Total primary energy supply\*

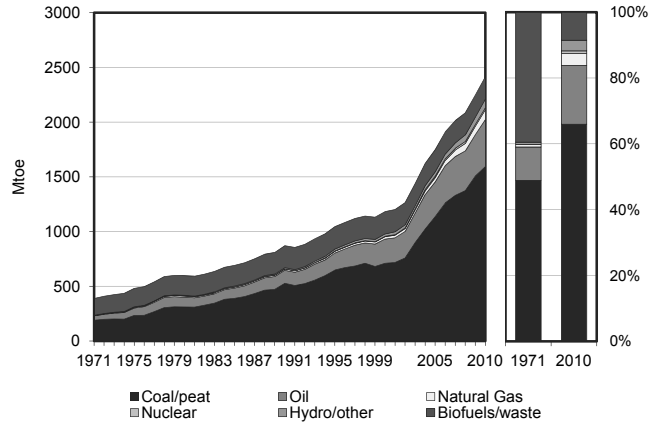


Figure 3. Energy self-sufficiency\*\*

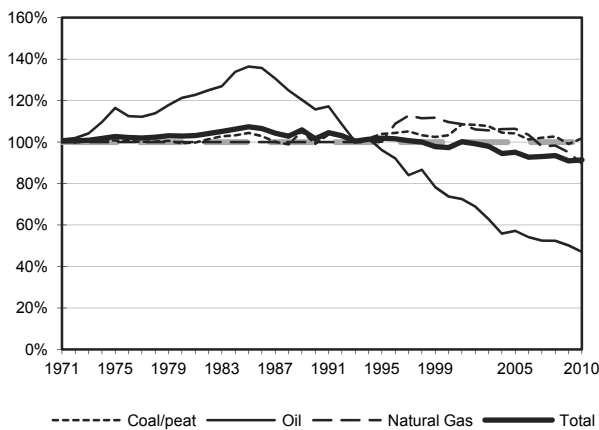


Figure 4. Oil products demand\*\*\*

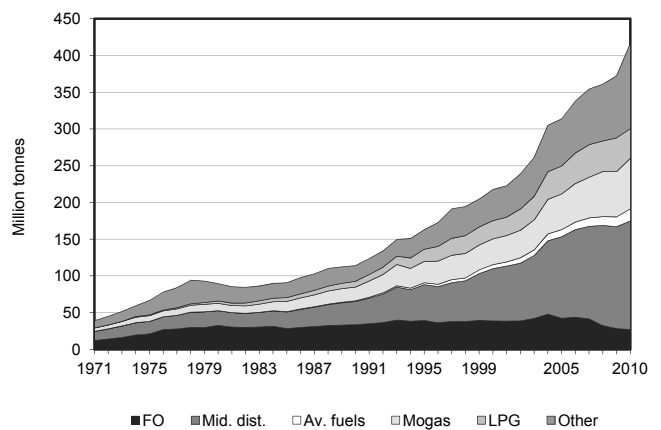


Figure 5. Electricity generation by fuel

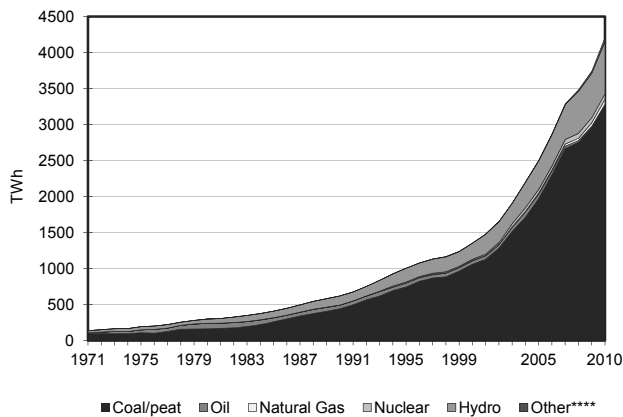
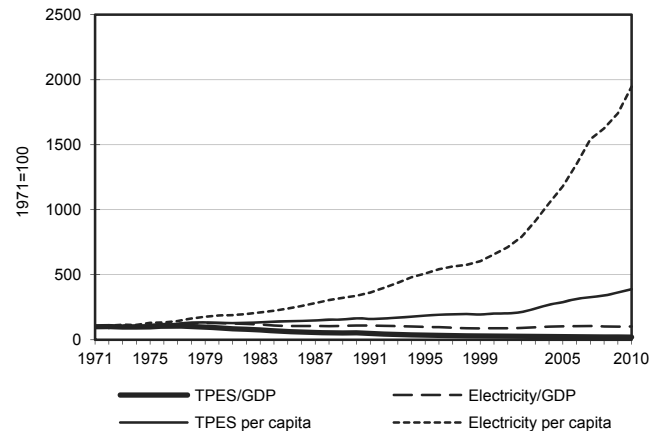


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## People's Republic of China

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1496171	189619	-	71338	18277	52945	12986	203496	-	-	2044831
Imports	72900	203653	47613	6387	-	-	-	-	517	-	331069
Exports	-12098	-5073	-28133	-2685	-	-	-	-	-1495	-	-49484
Intl. marine bunkers	-	-	-7053	-	-	-	-	-	-	-	-7053
Intl. aviation bunkers	-	-	-4568	-	-	-	-	-	-	-	-4568
Stock changes	-47407	-6765	-11304	-	-	-	-	-	-	-	-65476
<b>TPES</b>	<b>1509566</b>	<b>381434</b>	<b>-3445</b>	<b>75040</b>	<b>18277</b>	<b>52945</b>	<b>12986</b>	<b>203496</b>	<b>-979</b>	<b>-</b>	<b>2249320</b>
Transfers	-	-129	151	-	-	-	-	-	-	-	23
Statistical differences	-4431	154	-2063	-146	-	-	0	-	-5	-	-6491
Electricity plants	-733981	-44	-4037	-11231	-18277	-52945	-2479	-808	321820	-	-501982
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-78919	-20	-3130	-2150	-	-	-	-472	-	63699	-20992
Blast furnaces	-82451	-	-	-	-	-	-	-	-	-	-82451
Gas works	-4071	-	-3	-257	-	-	-	-	-	-	-4331
Coke/pat.fuel/BKB plants	-26247	-	-	-	-	-	-	-	-	-	-26247
Oil refineries	-	-371094	360296	-	-	-	-	-	-	-	-10798
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-61138	-4869	-18767	-9397	-	-	-	-	-37767	-8300	-140238
Losses	-	-1867	-24	-1821	-	-	-	-	-19421	-759	-23892
<b>TFC</b>	<b>518328</b>	<b>3565</b>	<b>328979</b>	<b>50039</b>	<b>-</b>	<b>-</b>	<b>10507</b>	<b>202215</b>	<b>263649</b>	<b>54640</b>	<b>1431921</b>
<b>INDUSTRY</b>	<b>407086</b>	<b>2294</b>	<b>46417</b>	<b>15941</b>	<b>-</b>	<b>-</b>	<b>141</b>	<b>-</b>	<b>175183</b>	<b>35752</b>	<b>682814</b>
Iron and steel	140455	-	2083	1570	-	-	-	-	34576	4904	183588
Chemical and petrochemical	41951	-	4918	6091	-	-	-	-	28948	14969	96877
Non-ferrous metals	11982	-	1597	559	-	-	-	-	22155	1855	38148
Non-metallic minerals	128374	-	8501	3733	-	-	-	-	18285	256	159149
Transport equipment	4147	-	1452	1014	-	-	-	-	4862	588	12064
Machinery	14000	-	4689	1757	-	-	-	-	21378	1284	43108
Mining and quarrying	4373	-	1651	176	-	-	-	-	6341	435	12976
Food and tobacco	15552	-	1516	408	-	-	-	-	6146	2833	26455
Paper pulp and printing	11895	-	709	132	-	-	-	-	4865	3099	20701
Wood and wood products	2328	-	311	65	-	-	-	-	1953	153	4811
Construction	3258	-	16176	81	-	-	-	-	3628	153	23296
Textile and leather	10871	-	1410	139	-	-	-	-	11683	4729	28833
Non-specified	17900	2294	1402	215	-	-	-	141	10362	494	32808
<b>TRANSPORT</b>	<b>3168</b>	<b>-</b>	<b>152690</b>	<b>6196</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1236</b>	<b>2803</b>	<b>-</b>	<b>166092</b>
Domestic aviation	-	-	9262	-	-	-	-	-	-	-	9262
Road	-	-	121272	6083	-	-	-	1236	-	-	128591
Rail	3168	-	5743	-	-	-	-	-	2803	-	11714
Pipeline transport	-	-	1	112	-	-	-	-	-	-	113
Domestic navigation	-	-	15204	-	-	-	-	-	-	-	15204
Non-specified	-	-	1208	-	-	-	-	-	-	-	1208
<b>OTHER</b>	<b>76444</b>	<b>172</b>	<b>58536</b>	<b>19479</b>	<b>-</b>	<b>-</b>	<b>10366</b>	<b>200979</b>	<b>85663</b>	<b>18888</b>	<b>470527</b>
Residential	47989	-	24806	14864	-	-	1770	200979	41901	16000	348308
Comm. and publ. services	10139	-	20350	4613	-	-	963	-	14486	1177	51729
Agriculture/forestry	8301	-	13380	1	-	-	430	-	8083	20	30215
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	10015	172	-	-	-	-	7203	-	21194	1691	40275
<b>NON-ENERGY USE</b>	<b>31630</b>	<b>1099</b>	<b>71336</b>	<b>8423</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>112488</b>
in industry/transf./energy	31630	1099	50962	8423	-	-	-	-	-	-	92114
of which: feedstocks	-	1099	30910	8423	-	-	-	-	-	-	40432
in transport	-	-	6466	-	-	-	-	-	-	-	6466
in other	-	-	13908	-	-	-	-	-	-	-	13908
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2959218</b>	<b>-</b>	<b>16494</b>	<b>50813</b>	<b>70134</b>	<b>615640</b>	<b>27445</b>	<b>2351</b>	<b>-</b>	<b>-</b>	<b>3742095</b>
Electricity plants	2959218	-	16494	50813	70134	615640	27445	2351	-	-	3742095
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>2460513</b>	<b>-</b>	<b>114053</b>	<b>81043</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11870</b>	<b>-</b>	<b>-</b>	<b>2667479</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	2460513	-	114053	81043	-	-	-	11870	-	-	2667479

## People's Republic of China

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1623224	203157	-	79352	19254	62107	16054	205815	-	-	2208962
Imports	86645	237682	48851	12587	-	-	-	-	477	-	386242
Exports	-11817	-3030	-30641	-3372	-	-	-	-	-1639	-	-50499
Intl. marine bunkers	-	-	-8630	-	-	-	-	-	-	-	-8630
Intl. aviation bunkers	-	-	-5527	-	-	-	-	-	-	-	-5527
Stock changes	-102910	-8900	-1612	-	-	-	-	-	-	-	-113421
<b>TPES</b>	<b>1595142</b>	<b>428909</b>	<b>2440</b>	<b>88568</b>	<b>19254</b>	<b>62107</b>	<b>16054</b>	<b>205815</b>	<b>-1162</b>	<b>-</b>	<b>2417126</b>
Transfers	-	-143	168	-	-	-	-	-	-	-	25
Statistical differences	-19885	149	-14017	-283	-	-	-	0	-17	-	-34053
Electricity plants	-794669	-37	-3215	-15256	-19254	-62107	-4058	-3922	361910	-	-540606
CHP plants	-	-	-1720	-	-	-	-	-	-	-	-1720
Heat plants	-83576	-33	-3996	-2429	-	-	-	-1130	-	76867	-14298
Blast furnaces	-89436	-	-	-	-	-	-	-	-	-	-89436
Gas works	-2421	-	-	-328	-	-	-	-	-	-	-2749
Coke/pat.fuel/BKB plants	-28348	-	-	-	-	-	-	-	-	-	-28348
Oil refineries	-	-418694	405183	-	-	-	-	-	-	-	-13511
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-64674	-4823	-19176	-11486	-	-	-	-	-41857	-9439	-151455
Losses	-	-1920	-29	-1577	-	-	-	-	-22087	-3144	-28757
<b>TFC</b>	<b>512134</b>	<b>3408</b>	<b>365638</b>	<b>57208</b>	<b>-</b>	<b>-</b>	<b>11996</b>	<b>200763</b>	<b>296788</b>	<b>64283</b>	<b>1512218</b>
<b>INDUSTRY</b>	<b>399573</b>	<b>2166</b>	<b>45258</b>	<b>16496</b>	<b>-</b>	<b>-</b>	<b>152</b>	<b>-</b>	<b>203207</b>	<b>45033</b>	<b>711886</b>
Iron and steel	148353	-	1662	1693	-	-	-	-	39660	5911	197278
Chemical and petrochemical	39833	-	5521	5809	-	-	-	-	31531	17441	100134
Non-ferrous metals	11134	-	1775	745	-	-	-	-	26910	2319	42884
Non-metallic minerals	124631	-	7834	3490	-	-	-	-	21057	319	157330
Transport equipment	4430	-	1560	1043	-	-	-	-	6796	736	14566
Machinery	13837	-	4566	2245	-	-	-	-	26475	1549	48673
Mining and quarrying	4718	-	1790	164	-	-	-	-	7231	490	14392
Food and tobacco	15408	-	1527	491	-	-	-	-	6771	3109	27305
Paper pulp and printing	11646	-	676	187	-	-	-	-	5426	3611	21546
Wood and wood products	2283	-	363	55	-	-	-	-	2208	3573	8481
Construction	3681	-	13036	97	-	-	-	-	4156	158	21128
Textile and leather	10164	-	1351	167	-	-	-	-	13055	5243	29981
Non-specified	9456	2166	3597	310	-	-	152	-	11932	576	28190
<b>TRANSPORT</b>	<b>3149</b>	<b>-</b>	<b>167281</b>	<b>7292</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1211</b>	<b>3422</b>	<b>-</b>	<b>182355</b>
Domestic aviation	-	-	11294	-	-	-	-	-	-	-	11294
Road	-	-	133091	7162	-	-	-	-	1211	-	141465
Rail	3149	-	5451	-	-	-	-	-	3422	-	12022
Pipeline transport	-	-	1	130	-	-	-	-	-	-	131
Domestic navigation	-	-	16103	-	-	-	-	-	-	-	16103
Non-specified	-	-	1340	-	-	-	-	-	-	-	1340
<b>OTHER</b>	<b>78826</b>	<b>170</b>	<b>62524</b>	<b>24165</b>	<b>-</b>	<b>-</b>	<b>11844</b>	<b>199553</b>	<b>90159</b>	<b>19250</b>	<b>486491</b>
Residential	49653	-	25545	18983	-	-	1914	199553	44072	16098	355816
Comm. and publ. services	10096	-	22846	5140	-	-	1042	-	16509	1334	56966
Agriculture/forestry	8969	-	14133	43	-	-	465	-	8398	22	32029
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	10108	170	-	-	-	-	8423	-	21180	1797	41679
<b>NON-ENERGY USE</b>	<b>30586</b>	<b>1072</b>	<b>90575</b>	<b>9254</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>131486</b>
in industry/transf./energy	30586	1072	75402	9254	-	-	-	-	-	-	116314
of which: feedstocks	-	1072	20501	9254	-	-	-	-	-	-	30827
in transport	-	-	2012	-	-	-	-	-	-	-	2012
in other	-	-	13160	-	-	-	-	-	-	-	13160
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3272798</b>	<b>-</b>	<b>13255</b>	<b>69027</b>	<b>73880</b>	<b>722172</b>	<b>45723</b>	<b>11406</b>	<b>-</b>	<b>-</b>	<b>4208261</b>
Electricity plants	3272798	-	13255	69027	73880	722172	45723	11406	-	-	4208261
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>2949750</b>	<b>-</b>	<b>143657</b>	<b>91566</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>33911</b>	<b>-</b>	<b>-</b>	<b>3218884</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	2949750	-	143657	91566	-	-	-	33911	-	-	3218884

### Chinese Taipei

Figure 1. Energy production

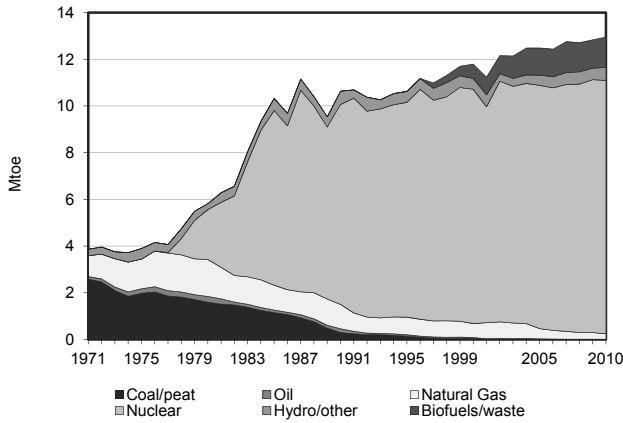


Figure 2. Total primary energy supply\*

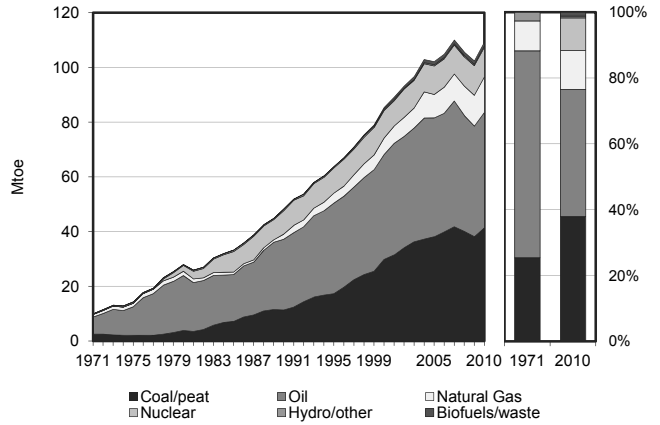


Figure 3. Energy self-sufficiency\*\*

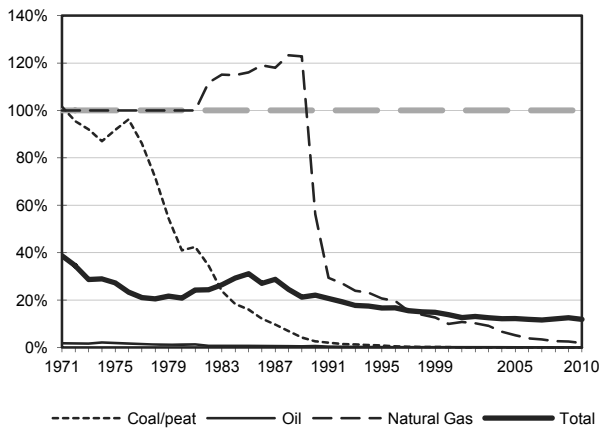


Figure 4. Oil products demand\*\*\*

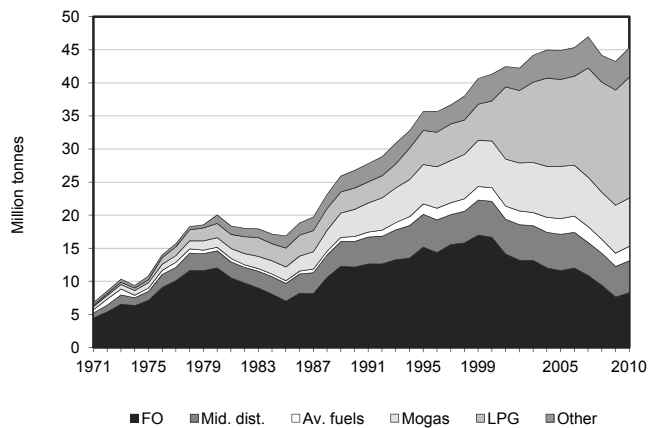


Figure 5. Electricity generation by fuel

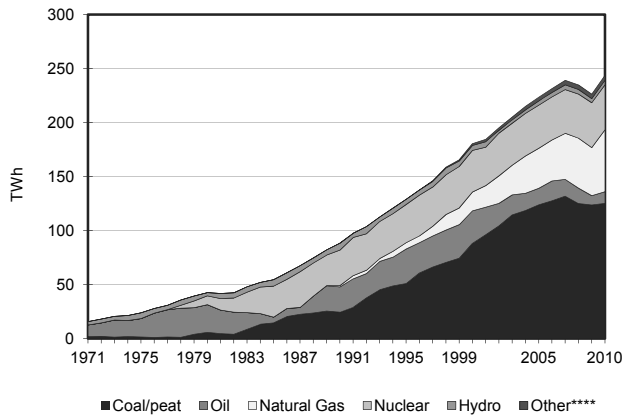
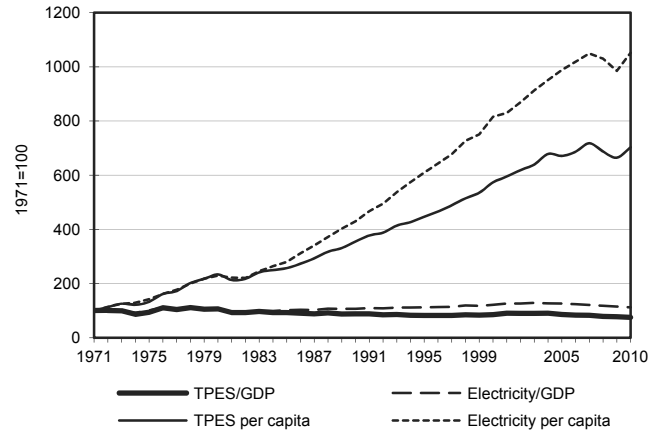


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.



## Chinese Taipei

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	14	-	281	10834	322	172	1215	-	-	12838
Imports	37299	48247	14128	10323	-	-	-	-	-	-	109997
Exports	-25	-	-19094	-	-	-	-	-	-	-	-19118
Intl. marine bunkers	-	-	-1585	-	-	-	-	-	-	-	-1585
Intl. aviation bunkers	-	-	-1870	-	-	-	-	-	-	-	-1870
Stock changes	881	341	252	667	-	-	-	-	-	-	2142
<b>TPES</b>	<b>38156</b>	<b>48602</b>	<b>-8168</b>	<b>11271</b>	<b>10834</b>	<b>322</b>	<b>172</b>	<b>1215</b>	-	-	<b>102404</b>
Transfers	-	-	-236	-	-	-	-	-	-	-	-236
Statistical differences	-485	147	527	-1021	-	-	-	-	58	-	-774
Electricity plants	-21675	-	-1392	-7903	-10834	-322	-68	-1174	16347	-	-27020
CHP plants	-7490	-	-969	-114	-	-	-	-	3122	-	-5450
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-1594	-	-	-	-	-	-	-	-	-	-1594
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-150	-	-	-	-	-	-	-	-	-	-150
Oil refineries	-	-48749	49578	-	-	-	-	-	-	-	829
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-666	-	-1860	-399	-	-	-	-1	-1377	-	-4303
Losses	-13	-	-	-	-	-	-	-	-810	-	-823
<b>TFC</b>	<b>6082</b>	-	<b>37480</b>	<b>1834</b>	-	-	<b>104</b>	<b>40</b>	<b>17341</b>	-	<b>62882</b>
<b>INDUSTRY</b>	<b>5977</b>	-	<b>3549</b>	<b>823</b>	-	-	-	<b>40</b>	<b>9434</b>	-	<b>19823</b>
Iron and steel	1225	-	351	163	-	-	-	-	1001	-	2740
Chemical and petrochemical	3113	-	1408	202	-	-	-	23	3004	-	7751
Non-ferrous metals	-	-	58	19	-	-	-	-	82	-	159
Non-metallic minerals	1294	-	312	132	-	-	-	-	390	-	2128
Transport equipment	-	-	30	162	-	-	-	-	171	-	364
Machinery	-	-	169	108	-	-	-	-	3313	-	3590
Mining and quarrying	-	-	51	0	-	-	-	-	28	-	79
Food and tobacco	-	-	287	7	-	-	-	1	294	-	589
Paper pulp and printing	245	-	165	4	-	-	-	15	319	-	748
Wood and wood products	-	-	7	-	-	-	-	-	34	-	41
Construction	-	-	71	-	-	-	-	-	42	-	113
Textile and leather	60	-	531	24	-	-	-	-	500	-	1115
Non-specified	40	-	110	2	-	-	-	-	257	-	408
<b>TRANSPORT</b>	-	-	<b>11676</b>	-	-	-	-	-	<b>95</b>	-	<b>11771</b>
Domestic aviation	-	-	81	-	-	-	-	-	-	-	81
Road	-	-	11327	-	-	-	-	-	-	-	11327
Rail	-	-	25	-	-	-	-	-	95	-	120
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	244	-	-	-	-	-	-	-	244
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2582</b>	<b>1011</b>	-	-	<b>104</b>	<b>0</b>	<b>7812</b>	-	<b>11510</b>
Residential	-	-	1151	655	-	-	101	-	3704	-	5610
Comm. and publ. services	-	-	974	345	-	-	3	0	2446	-	3768
Agriculture/forestry	-	-	3	-	-	-	-	-	144	-	146
Fishing	-	-	328	-	-	-	-	-	79	-	406
Non-specified	-	-	127	12	-	-	-	-	1440	-	1579
<b>NON-ENERGY USE</b>	<b>105</b>	-	<b>19673</b>	-	-	-	-	-	-	-	<b>19778</b>
in industry/transf./energy	105	-	19673	-	-	-	-	-	-	-	19778
of which: feedstocks	-	-	17101	-	-	-	-	-	-	-	17101
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>123733</b>	-	<b>8685</b>	<b>44444</b>	<b>41571</b>	<b>3748</b>	<b>795</b>	<b>3413</b>	-	-	<b>226389</b>
Electricity plants	90476	-	6151	43930	41571	3748	795	3413	-	-	190084
CHP plants	33257	-	2534	514	-	-	-	-	-	-	36305
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Chinese Taipei

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	12	-	237	10849	361	191	1305	-	-	12955
Imports	41428	44766	17445	12939	-	-	-	-	-	-	116578
Exports	-79	-	-16075	-	-	-	-	-	-	-	-16154
Intl. marine bunkers	-	-	-1708	-	-	-	-	-	-	-	-1708
Intl. aviation bunkers	-	-	-2109	-	-	-	-	-	-	-	-2109
Stock changes	80	-153	9	-221	-	-	-	-	-	-	-284
<b>TPES</b>	<b>41429</b>	<b>44625</b>	<b>-2438</b>	<b>12955</b>	<b>10849</b>	<b>361</b>	<b>191</b>	<b>1305</b>	-	-	<b>109278</b>
Transfers	-	-	-261	-	-	-	-	-	-	-	-261
Statistical differences	-1144	141	-42	63	-	-	-	-	24	-	-958
Electricity plants	-21766	-	-1874	-10255	-10849	-361	-86	-1256	17801	-	-28644
CHP plants	-7510	-	-973	-110	-	-	-	-	3177	-	-5415
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-2217	-	-	-	-	-	-	-	-	-	-2217
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-17	-	-	-	-	-	-	-	-	-	-17
Oil refineries	-	-44766	46216	-	-	-	-	-	-	-	1450
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-897	-	-1791	-539	-	-	-	-1	-1394	-	-4622
Losses	-49	-	-	-	-	-	-	-	-831	-	-880
<b>TFC</b>	<b>7830</b>	-	<b>38838</b>	<b>2115</b>	-	-	<b>105</b>	<b>49</b>	<b>18777</b>	-	<b>67714</b>
<b>INDUSTRY</b>	<b>6890</b>	-	<b>3679</b>	<b>1006</b>	-	-	-	<b>49</b>	<b>10677</b>	-	<b>22302</b>
Iron and steel	1511	-	388	207	-	-	-	-	1281	-	3387
Chemical and petrochemical	3572	-	1464	266	-	-	-	25	3279	-	8606
Non-ferrous metals	-	-	66	23	-	-	-	-	94	-	183
Non-metallic minerals	1373	-	339	150	-	-	-	-	438	-	2300
Transport equipment	-	-	35	198	-	-	-	-	195	-	429
Machinery	-	-	193	123	-	-	-	-	3820	-	4136
Mining and quarrying	-	-	53	0	-	-	-	-	35	-	87
Food and tobacco	-	-	297	8	-	-	-	1	309	-	615
Paper pulp and printing	284	-	149	5	-	-	-	22	333	-	793
Wood and wood products	-	-	8	-	-	-	-	-	36	-	44
Construction	-	-	76	-	-	-	-	-	41	-	116
Textile and leather	68	-	511	24	-	-	-	-	545	-	1148
Non-specified	82	-	100	2	-	-	-	0	272	-	457
<b>TRANSPORT</b>	-	-	<b>12057</b>	-	-	-	-	-	<b>100</b>	-	<b>12157</b>
Domestic aviation	-	-	82	-	-	-	-	-	-	-	82
Road	-	-	11682	-	-	-	-	-	-	-	11682
Rail	-	-	28	-	-	-	-	-	100	-	128
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	265	-	-	-	-	-	-	-	265
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2454</b>	<b>1108</b>	-	-	<b>105</b>	<b>0</b>	<b>8000</b>	-	<b>11668</b>
Residential	-	-	1114	695	-	-	102	-	3735	-	5646
Comm. and publ. services	-	-	898	399	-	-	3	0	2484	-	3785
Agriculture/forestry	-	-	3	-	-	-	-	-	148	-	151
Fishing	-	-	308	-	-	-	-	-	77	-	385
Non-specified	-	-	131	14	-	-	-	-	1556	-	1701
<b>NON-ENERGY USE</b>	<b>940</b>	-	<b>20647</b>	-	-	-	-	-	-	-	<b>21587</b>
in industry/transf./energy	940	-	20647	-	-	-	-	-	-	-	21587
of which: feedstocks	-	-	17999	-	-	-	-	-	-	-	17999
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>125271</b>	-	<b>10849</b>	<b>57341</b>	<b>41629</b>	<b>4194</b>	<b>999</b>	<b>3652</b>	-	-	<b>243935</b>
Electricity plants	91389	-	8284	56841	41629	4194	999	3652	-	-	206988
CHP plants	33882	-	2565	500	-	-	-	-	-	-	36947
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Colombia

Figure 1. Energy production

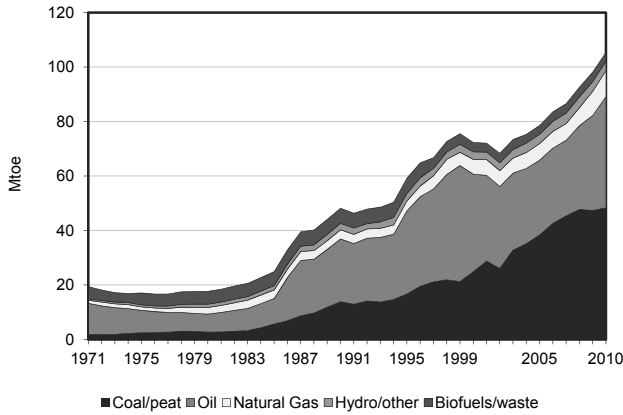


Figure 2. Total primary energy supply\*

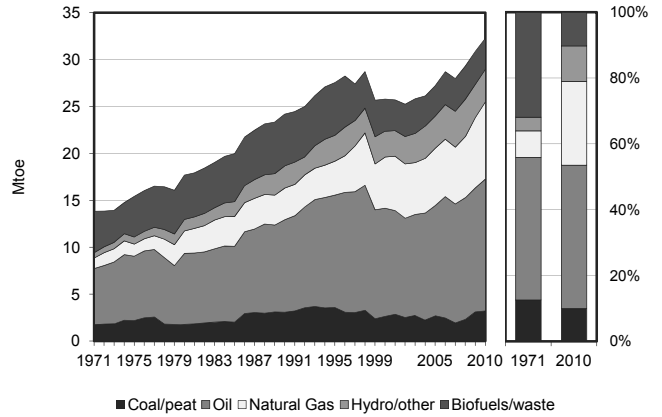


Figure 3. Energy self-sufficiency\*\*

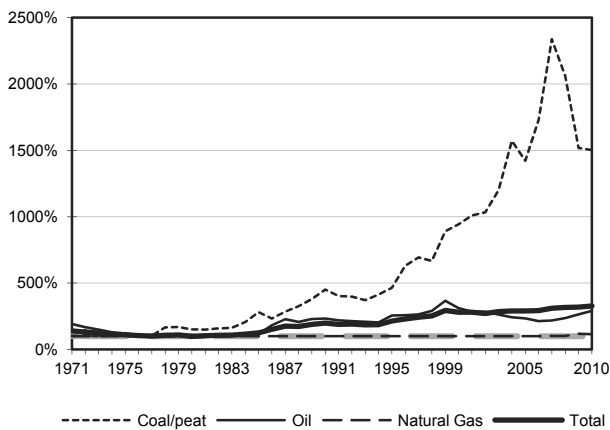


Figure 4. Oil products demand\*\*\*

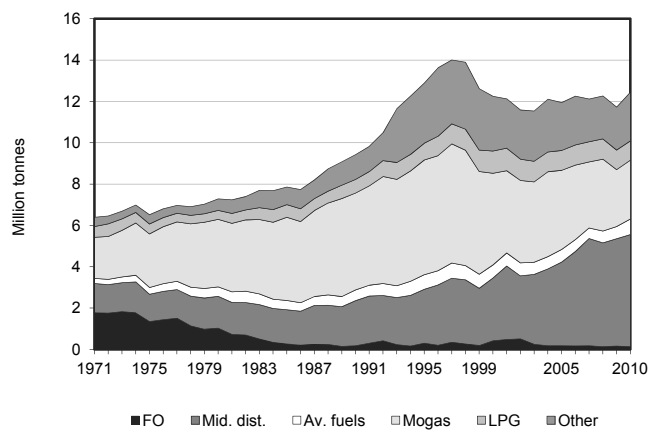


Figure 5. Electricity generation by fuel

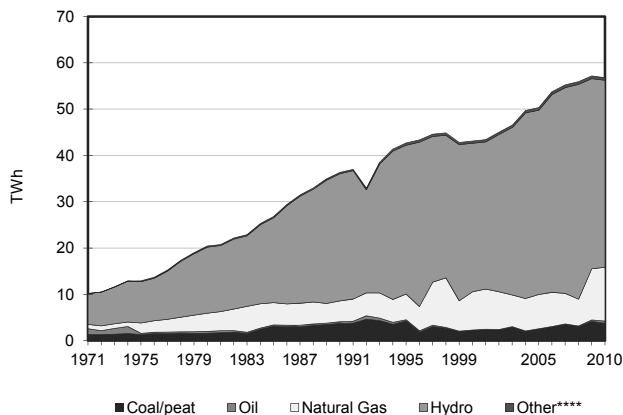
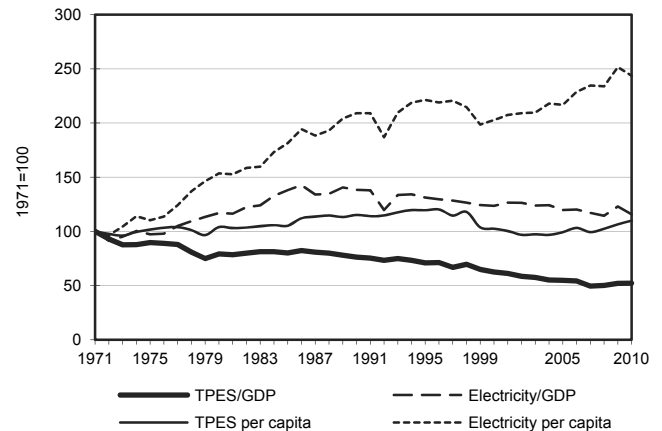


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Colombia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	47324	34934	-	8891	-	3530	5	3523	-	-	98207
Imports	-	-	1732	-	-	-	-	-	2	-	1734
Exports	-43784	-18250	-4125	-1380	-	-	-	-	-93	-	-67631
Intl. marine bunkers	-	-	-503	-	-	-	-	-	-	-	-503
Intl. aviation bunkers	-	-	-604	-	-	-	-	-	-	-	-604
Stock changes	-424	-23	60	-	-	-	-	-	-	-	-387
<b>TPES</b>	<b>3117</b>	<b>16661</b>	<b>-3441</b>	<b>7511</b>	<b>-</b>	<b>3530</b>	<b>5</b>	<b>3523</b>	<b>-91</b>	<b>-</b>	<b>30815</b>
Transfers	-	-138	136	-	-	-	-	-	-	-	-2
Statistical differences	181	-462	-1	-70	-	-	-	31	-25	-	-345
Electricity plants	-1158	-	-92	-2196	-	-3530	-5	-149	4918	-	-2212
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-233	-	-	-	-	-	-	-	-	-	-233
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-145	-1	-	-	-	-	-	-	-	-	-146
Oil refineries	-	-15700	13957	-	-	-	-	-	-	-	-1743
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-20	-	-	-20
Energy industry own use	-32	-245	-581	-1897	-	-	-	-	-93	-	-2848
Losses	-56	-2	-	-	-	-	-	-	-723	-	-781
<b>TFC</b>	<b>1673</b>	<b>113</b>	<b>9978</b>	<b>3348</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3385</b>	<b>3987</b>	<b>-</b>	<b>22485</b>
<b>INDUSTRY</b>	<b>1592</b>	<b>109</b>	<b>635</b>	<b>1739</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>917</b>	<b>1227</b>	<b>-</b>	<b>6218</b>
Iron and steel	341	9	23	48	-	-	-	-	225	-	646
Chemical and petrochemical	88	3	358	733	-	-	-	32	194	-	1408
Non-ferrous metals	-	-	-	-	-	-	-	0	-	-	0
Non-metallic minerals	601	8	55	666	-	-	-	1	167	-	1498
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	12	25	7	-	-	-	0	55	-	99
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	114	36	67	110	-	-	-	653	228	-	1208
Paper pulp and printing	258	-	9	83	-	-	-	230	103	-	683
Wood and wood products	1	1	2	29	-	-	-	-	18	-	51
Construction	-	14	28	-	-	-	-	-	5	-	47
Textile and leather	188	16	18	18	-	-	-	2	187	-	429
Non-specified	-	9	49	44	-	-	-	-	46	-	148
<b>TRANSPORT</b>	<b>1</b>	<b>-</b>	<b>6538</b>	<b>522</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>5</b>	<b>-</b>	<b>7079</b>
Domestic aviation	-	-	33	-	-	-	-	-	-	-	33
Road	-	-	6239	522	-	-	-	13	-	-	6774
Rail	1	-	34	-	-	-	-	-	5	-	40
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	232	-	-	-	-	-	-	-	232
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>81</b>	<b>4</b>	<b>1614</b>	<b>1087</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2456</b>	<b>2755</b>	<b>-</b>	<b>7997</b>
Residential	81	-	590	924	-	-	-	1755	1641	-	4990
Comm. and publ. services	-	4	180	163	-	-	-	-	958	-	1305
Agriculture/forestry	-	-	843	-	-	-	-	679	148	-	1670
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	1	-	-	-	-	21	9	-	31
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1190</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1190</b>
in industry/transf./energy	-	-	1190	-	-	-	-	-	-	-	1190
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>4165</b>	<b>-</b>	<b>322</b>	<b>11053</b>	<b>-</b>	<b>41050</b>	<b>58</b>	<b>541</b>	<b>-</b>	<b>-</b>	<b>57189</b>
Electricity plants	4165	-	322	11053	-	41050	58	541	-	-	57189
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Colombia

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	48327	40923	-	9422	-	3474	3	3310	-	-	105460
Imports	-	-	2488	-	-	-	-	-	1	-	2489
Exports	-45109	-23075	-4793	-1195	-	-	-	-	-69	-	-74242
Intl. marine bunkers	-	-	-642	-	-	-	-	-	-	-	-642
Intl. aviation bunkers	-	-	-700	-	-	-	-	-	-	-	-700
Stock changes	-	17	-147	-	-	-	-	-	-	-	-130
<b>TPES</b>	<b>3218</b>	<b>17865</b>	<b>-3795</b>	<b>8227</b>	<b>-</b>	<b>3474</b>	<b>3</b>	<b>3310</b>	<b>-68</b>	<b>-</b>	<b>32235</b>
Transfers	-	-266	256	-	-	-	-	-	-	-	-10
Statistical differences	-553	-1364	-135	-451	-	-	-	-11	173	-	-2341
Electricity plants	-1044	-	-144	-2304	-	-3474	-3	-134	4884	-	-2220
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-193	-	-	-	-	-	-	-	-	-	-193
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-255	-	-	-	-	-	-	-	-	-	-255
Oil refineries	-	-15573	14531	-	-	-	-	-	-	-	-1042
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-20	-	-	-20
Energy industry own use	-4	-315	-476	-1892	-	-	-	-	-97	-	-2784
Losses	-77	-21	-70	-	-	-	-	-	-786	-	-954
<b>TFC</b>	<b>1092</b>	<b>326</b>	<b>10167</b>	<b>3580</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3144</b>	<b>4107</b>	<b>-</b>	<b>22416</b>
<b>INDUSTRY</b>	<b>1040</b>	<b>315</b>	<b>662</b>	<b>1934</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>729</b>	<b>1264</b>	<b>-</b>	<b>5943</b>
Iron and steel	235	25	23	54	-	-	-	-	232	-	569
Chemical and petrochemical	57	8	356	815	-	-	-	27	200	-	1462
Non-ferrous metals	-	-	1	-	-	-	-	0	-	-	1
Non-metallic minerals	386	24	56	740	-	-	-	1	172	-	1379
Transport equipment	-	-	1	-	-	-	-	-	-	-	1
Machinery	0	36	38	8	-	-	-	0	56	-	139
Mining and quarrying	-	-	1	-	-	-	-	-	-	-	1
Food and tobacco	73	106	69	122	-	-	-	526	235	-	1132
Paper pulp and printing	166	-	11	92	-	-	-	173	106	-	549
Wood and wood products	-	2	2	32	-	-	-	-	18	-	55
Construction	-	40	29	-	-	-	-	-	5	-	75
Textile and leather	122	46	19	20	-	-	-	1	192	-	400
Non-specified	-	26	56	49	-	-	-	1	47	-	179
<b>TRANSPORT</b>	<b>1</b>	<b>-</b>	<b>6788</b>	<b>553</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>5</b>	<b>-</b>	<b>7366</b>
Domestic aviation	-	-	33	-	-	-	-	-	-	-	33
Road	-	-	6486	553	-	-	-	19	-	-	7059
Rail	1	-	35	-	-	-	-	-	5	-	41
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	233	-	-	-	-	-	-	-	233
Non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	<b>52</b>	<b>11</b>	<b>1661</b>	<b>1093</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2396</b>	<b>2838</b>	<b>-</b>	<b>8051</b>
Residential	52	-	589	834	-	-	-	1755	1690	-	4920
Comm. and publ. services	-	11	187	259	-	-	-	-	987	-	1444
Agriculture/forestry	-	-	883	-	-	-	-	625	152	-	1660
Fishing	-	-	1	-	-	-	-	-	-	-	1
Non-specified	-	-	1	-	-	-	-	16	9	-	26
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1056</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1056</b>
in industry/transf./energy	-	-	1056	-	-	-	-	-	-	-	1056
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>3754</b>	<b>-</b>	<b>502</b>	<b>11597</b>	<b>-</b>	<b>40401</b>	<b>39</b>	<b>499</b>	<b>-</b>	<b>-</b>	<b>56792</b>
Electricity plants	3754	-	502	11597	-	40401	39	499	-	-	56792
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Congo

Figure 1. Energy production

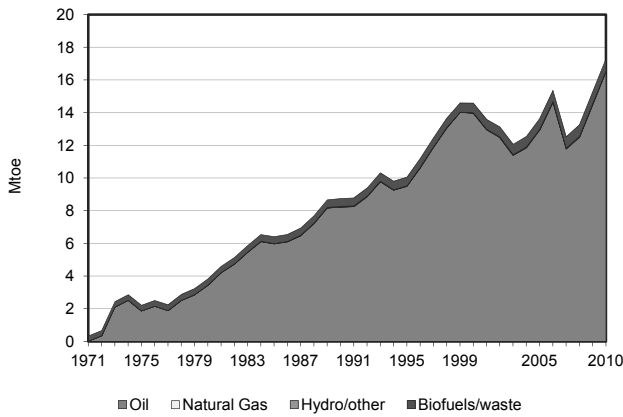


Figure 2. Total primary energy supply\*

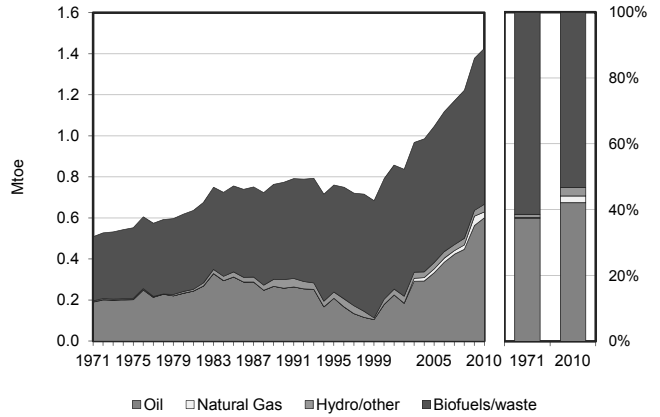


Figure 3. Energy self-sufficiency\*\*

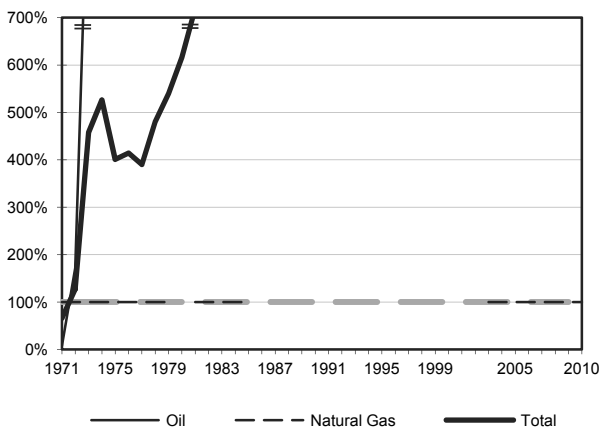


Figure 4. Oil products demand\*\*\*

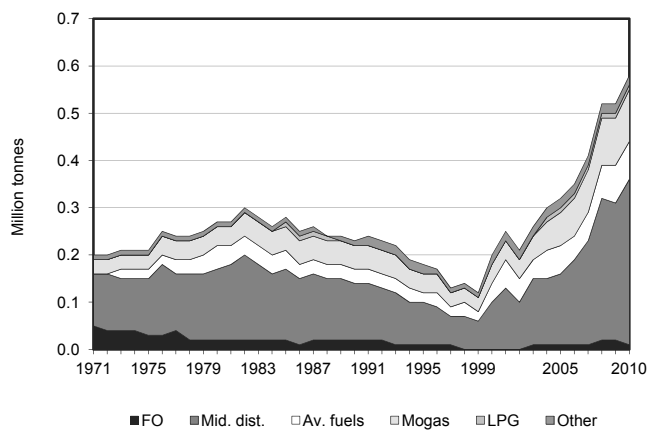


Figure 5. Electricity generation by fuel

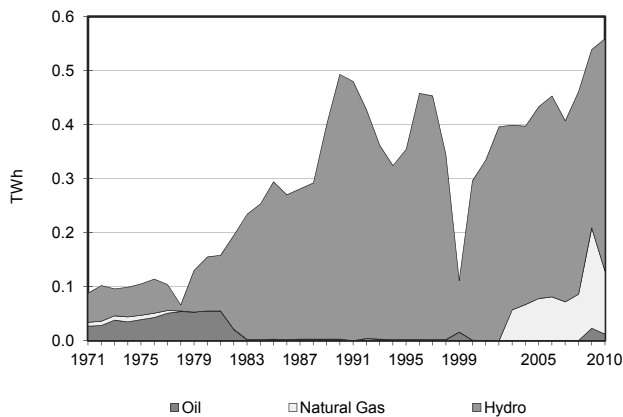
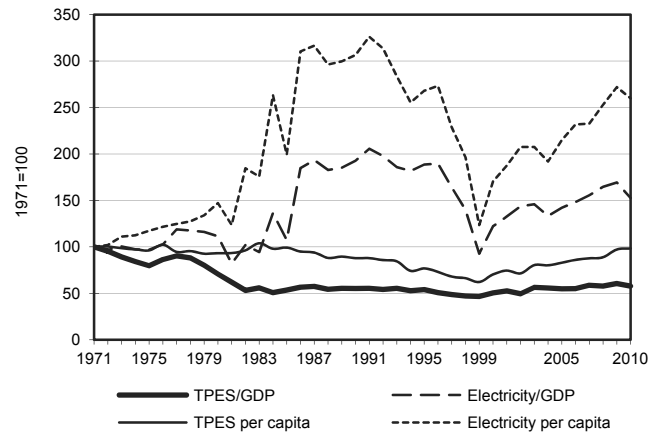


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 700%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Congo

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	14485	-	46	-	28	-	741	-	-	15300
Imports	-	-	217	-	-	-	-	-	38	-	255
Exports	-	-14092	-354	-	-	-	-	-	-	-	-14447
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-64	-	-	-	-	-	-	-	-64
Stock changes	-	355	17	-	-	-	-	-	-	-	372
<b>TPES</b>	-	<b>747</b>	<b>-184</b>	<b>46</b>	-	<b>28</b>	-	<b>741</b>	<b>38</b>	-	<b>1416</b>
Electricity and CHP plants	-	-	-8	-46	-	-28	-	-	46	-	-36
Oil refineries	-	-747	690	-	-	-	-	-	-	-	-57
Other transformation*	-	-	-28	-	-	-	-	-246	-43	-	-317
<b>TFC</b>	-	-	<b>470</b>	-	-	-	-	<b>494</b>	<b>41</b>	-	<b>1006</b>
<b>INDUSTRY</b>	-	-	<b>17</b>	-	-	-	-	-	<b>20</b>	-	<b>38</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	17	-	-	-	-	-	20	-	38
<b>TRANSPORT</b>	-	-	<b>402</b>	-	-	-	-	-	-	-	<b>402</b>
Domestic aviation	-	-	16	-	-	-	-	-	-	-	16
Road	-	-	386	-	-	-	-	-	-	-	386
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>34</b>	-	-	-	-	<b>494</b>	<b>21</b>	-	<b>550</b>
Residential	-	-	34	-	-	-	-	494	21	-	550
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>16</b>	-	-	-	-	-	-	-	<b>16</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	23	186	-	330	-	-	-	-	539
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	16490	-	29	-	37	-	760	-	-	17315
Imports	-	-	205	-	-	-	-	-	43	-	247
Exports	-	-15665	-226	-	-	-	-	-	-	-	-15891
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-64	-	-	-	-	-	-	-	-64
Stock changes	-	-136	-2	-	-	-	-	-	-	-	-138
<b>TPES</b>	-	<b>689</b>	<b>-87</b>	<b>29</b>	-	<b>37</b>	-	<b>760</b>	<b>43</b>	-	<b>1469</b>
Electricity and CHP plants	-	-	-4	-29	-	-37	-	-	48	-	-22
Oil refineries	-	-689	660	-	-	-	-	-	-	-	-28
Other transformation*	-	-	-34	-	-	-	-	-252	-48	-	-334
<b>TFC</b>	-	-	<b>535</b>	-	-	-	-	<b>508</b>	<b>43</b>	-	<b>1086</b>
<b>INDUSTRY</b>	-	-	<b>10</b>	-	-	-	-	-	<b>21</b>	-	<b>31</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	10	-	-	-	-	-	21	-	31
<b>TRANSPORT</b>	-	-	<b>471</b>	-	-	-	-	-	-	-	<b>471</b>
Domestic aviation	-	-	16	-	-	-	-	-	-	-	16
Road	-	-	455	-	-	-	-	-	-	-	455
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>38</b>	-	-	-	-	<b>508</b>	<b>22</b>	-	<b>567</b>
Residential	-	-	38	-	-	-	-	508	22	-	567
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>17</b>	-	-	-	-	-	-	-	<b>17</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	12	117	-	430	-	-	-	-	559
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

### Democratic Republic of Congo

Figure 1. Energy production

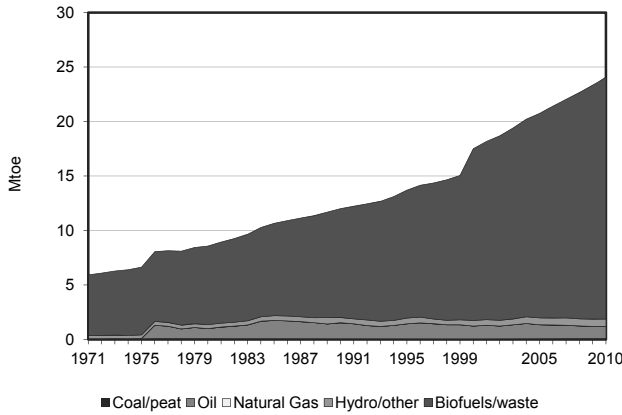


Figure 2. Total primary energy supply\*

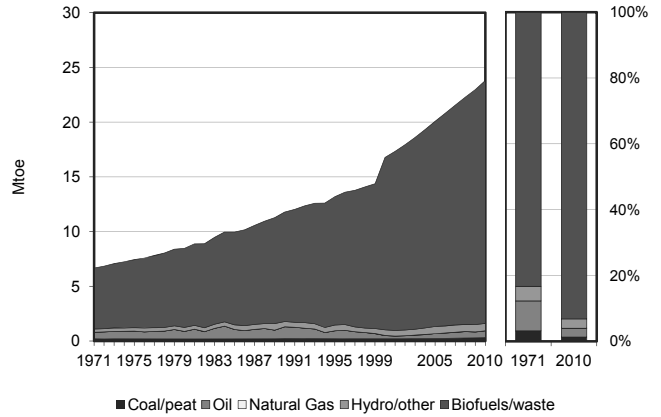


Figure 3. Energy self-sufficiency\*\*

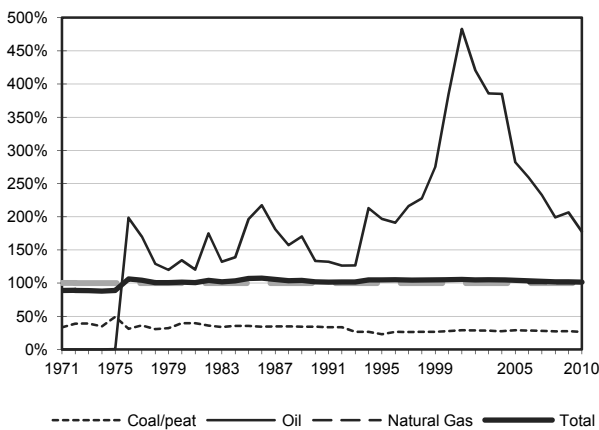


Figure 4. Oil products demand\*\*\*

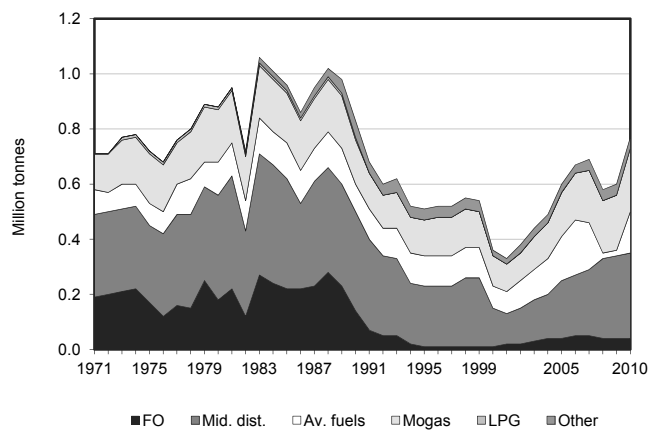


Figure 5. Electricity generation by fuel

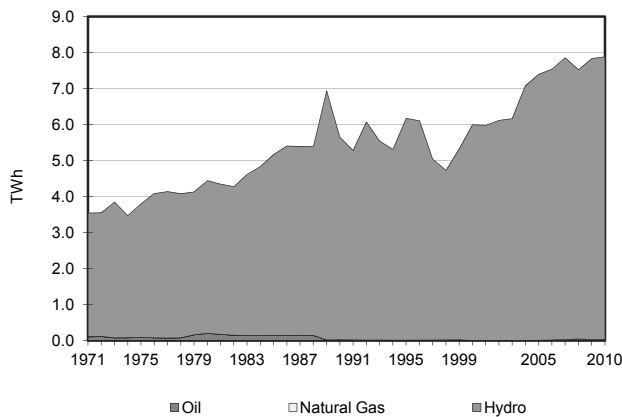
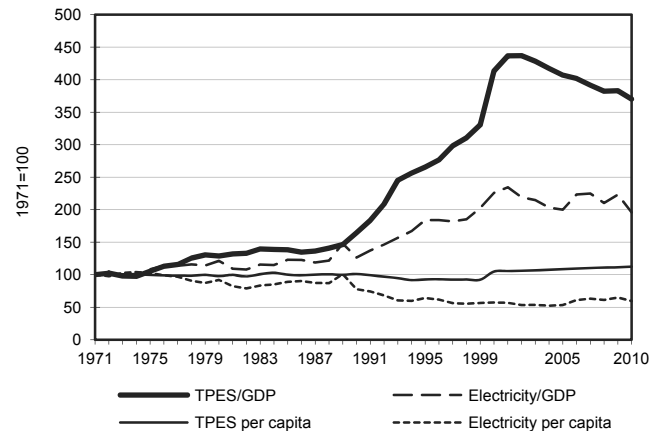


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Democratic Republic of Congo

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	81	1116	-	7	-	670	-	21472	-	-	23347
Imports	215	-	553	-	-	-	-	-	9	-	777
Exports	-	-1117	-	-	-	-	-	-	-76	-	-1193
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Stock changes	-	4	-	-	-	-	-	-	-	-	4
<b>TPES</b>	<b>296</b>	<b>3</b>	<b>537</b>	<b>7</b>	<b>-</b>	<b>670</b>	<b>-</b>	<b>21472</b>	<b>-67</b>	<b>-</b>	<b>22919</b>
Electricity and CHP plants	-	-	-2	-7	-	-670	-	-	673	-	-6
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-48	-3	60	-	-	-	-	-468	-34	-	-492
<b>TFC</b>	<b>248</b>	<b>-</b>	<b>595</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21005</b>	<b>572</b>	<b>-</b>	<b>22420</b>
<b>INDUSTRY</b>	<b>169</b>	<b>-</b>	<b>40</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4418</b>	<b>363</b>	<b>-</b>	<b>4991</b>
Iron and steel	52	-	-	-	-	-	-	-	-	-	52
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	117	-	40	-	-	-	-	4418	363	-	4939
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>227</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>227</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	227	-	-	-	-	-	-	-	227
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>79</b>	<b>-</b>	<b>288</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16586</b>	<b>209</b>	<b>-</b>	<b>17162</b>
Residential	79	-	13	-	-	-	-	16586	192	-	16870
Comm. and public services	-	-	-	-	-	-	-	-	18	-	18
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	275	-	-	-	-	-	-	-	275
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>40</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6	29	-	7796	-	-	-	-	7831
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	84	1116	-	7	-	675	-	22200	-	-	24081
Imports	230	-	785	-	-	-	-	-	14	-	1029
Exports	-	-1117	-	-	-	-	-	-	-79	-	-1196
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-157	-	-	-	-	-	-	-	-157
Stock changes	-	1	-	-	-	-	-	-	-	-	1
<b>TPES</b>	<b>314</b>	<b>-</b>	<b>628</b>	<b>7</b>	<b>-</b>	<b>675</b>	<b>-</b>	<b>22200</b>	<b>-65</b>	<b>-</b>	<b>23759</b>
Electricity and CHP plants	-	-	-2	-7	-	-675	-	-	678	-	-6
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-51	-	14	-	-	-	-	-920	-74	-	-1032
<b>TFC</b>	<b>263</b>	<b>-</b>	<b>640</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21279</b>	<b>539</b>	<b>-</b>	<b>22721</b>
<b>INDUSTRY</b>	<b>182</b>	<b>-</b>	<b>42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4473</b>	<b>341</b>	<b>-</b>	<b>5038</b>
Iron and steel	56	-	-	-	-	-	-	-	-	-	56
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	126	-	42	-	-	-	-	4473	341	-	4982
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>258</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>258</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	258	-	-	-	-	-	-	-	258
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>81</b>	<b>-</b>	<b>299</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16807</b>	<b>197</b>	<b>-</b>	<b>17384</b>
Residential	81	-	8	-	-	-	-	16807	181	-	17077
Comm. and public services	-	-	-	-	-	-	-	-	17	-	17
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	291	-	-	-	-	-	-	-	291
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>41</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>41</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6	29	-	7849	-	-	-	-	7884
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Costa Rica

Figure 1. Energy production

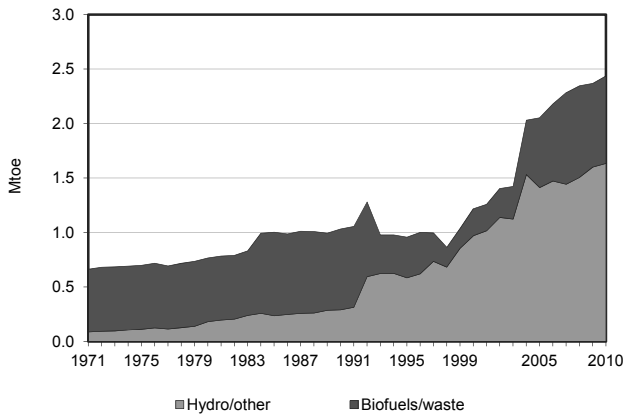


Figure 2. Total primary energy supply\*

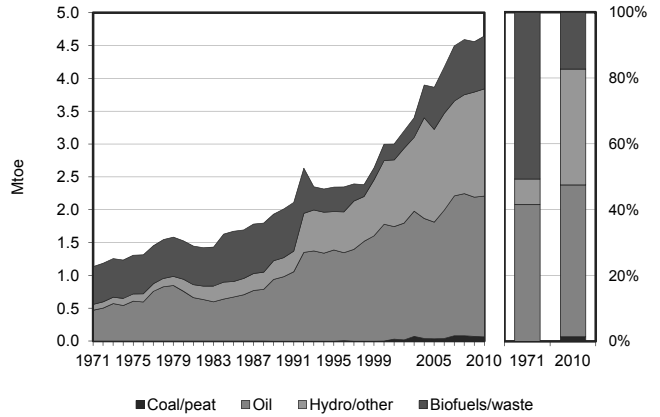


Figure 3. Energy self-sufficiency\*\*

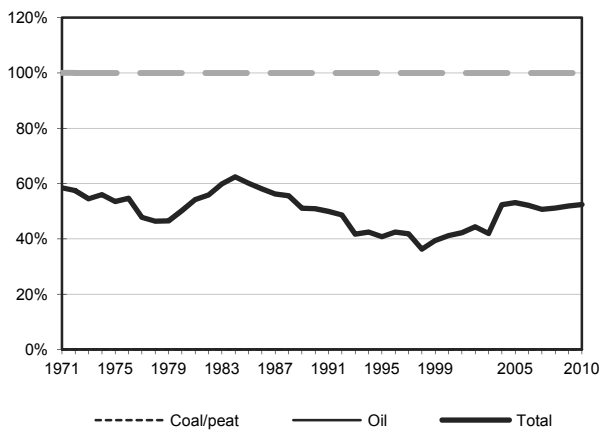


Figure 4. Oil products demand\*\*\*

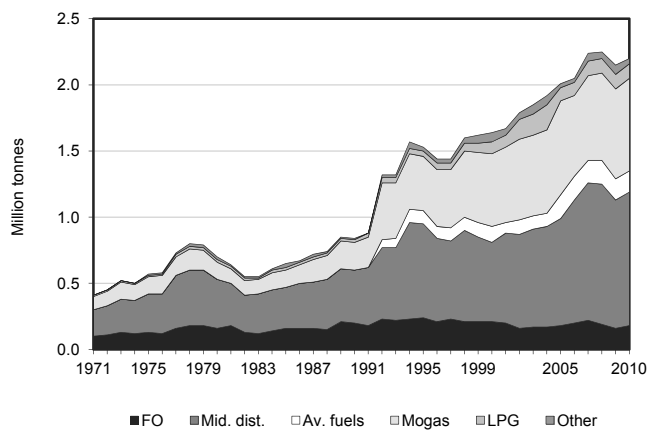


Figure 5. Electricity generation by fuel

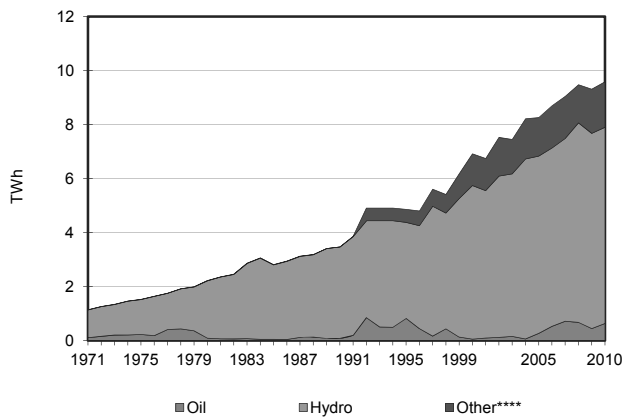
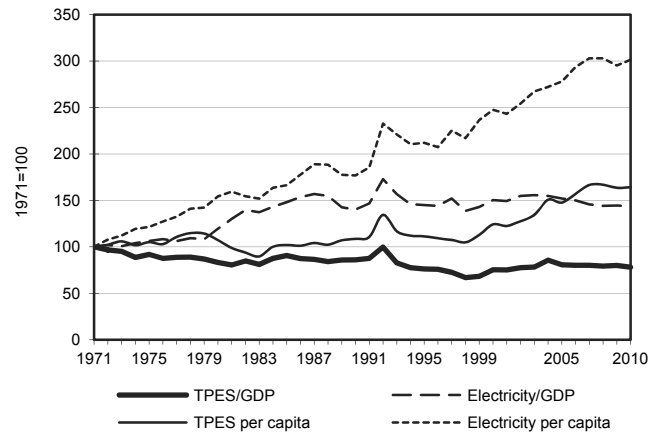


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Costa Rica

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	621	980	768	-	-	2369
Imports	71	406	1969	-	-	-	-	-	13	-	2459
Exports	-	-	-140	-	-	-	-	-	-12	-	-151
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-163	-	-	-	-	-	-	-	-163
Stock changes	-	-16	66	-	-	-	-	-	-	-	49
<b>TPES</b>	<b>71</b>	<b>390</b>	<b>1732</b>	-	-	<b>621</b>	<b>980</b>	<b>768</b>	<b>1</b>	-	<b>4563</b>
Electricity and CHP plants	-	-	-120	-	-	-621	-980	-42	801	-	-962
Oil refineries	-	-379	360	-	-	-	-	-	-	-	-19
Other transformation*	-33	-11	-39	-	-	-	-	-4	-87	-	-175
<b>TFC</b>	<b>38</b>	-	<b>1933</b>	-	-	-	-	<b>721</b>	<b>715</b>	-	<b>3407</b>
<b>INDUSTRY</b>	<b>38</b>	-	<b>237</b>	-	-	-	-	<b>435</b>	<b>151</b>	-	<b>861</b>
Iron and steel	35	-	-	-	-	-	-	-	-	-	35
Chemical and petrochemical	-	-	16	-	-	-	-	-	26	-	42
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	2	-	221	-	-	-	-	435	125	-	783
<b>TRANSPORT</b>	-	-	<b>1472</b>	-	-	-	-	-	-	-	<b>1472</b>
Domestic aviation	-	-	3	-	-	-	-	-	-	-	3
Road	-	-	1465	-	-	-	-	-	-	-	1465
Other/non-specified	-	-	3	-	-	-	-	-	-	-	3
<b>OTHER</b>	-	-	<b>162</b>	-	-	-	-	<b>286</b>	<b>564</b>	-	<b>1012</b>
Residential	-	-	48	-	-	-	-	265	285	-	598
Comm. and public services	-	-	38	-	-	-	-	21	246	-	305
Agriculture/forestry	-	-	36	-	-	-	-	-	28	-	64
Other/non-specified	-	-	39	-	-	-	-	-	5	-	44
<b>NON-ENERGY USE</b>	-	-	<b>62</b>	-	-	-	-	-	-	-	<b>62</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	451	-	-	7225	1512	123	-	-	9311
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	625	1010	803	-	-	2438
Imports	65	506	1919	-	-	-	-	-	14	-	2503
Exports	-	-	-99	-	-	-	-	-	-12	-	-110
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-166	-	-	-	-	-	-	-	-166
Stock changes	-	7	-23	-	-	-	-	-	-	-	-16
<b>TPES</b>	<b>65</b>	<b>513</b>	<b>1632</b>	-	-	<b>625</b>	<b>1010</b>	<b>803</b>	<b>2</b>	-	<b>4649</b>
Electricity and CHP plants	-	-	-173	-	-	-625	-1010	-50	824	-	-1033
Oil refineries	-	-517	509	-	-	-	-	-	-	-	-7
Other transformation*	-31	4	-24	-	-	-	-	-5	-90	-	-146
<b>TFC</b>	<b>34</b>	-	<b>1944</b>	-	-	-	-	<b>748</b>	<b>737</b>	-	<b>3463</b>
<b>INDUSTRY</b>	<b>34</b>	-	<b>243</b>	-	-	-	-	<b>417</b>	<b>157</b>	-	<b>851</b>
Iron and steel	33	-	-	-	-	-	-	-	-	-	33
Chemical and petrochemical	-	-	18	-	-	-	-	-	32	-	50
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	1	-	225	-	-	-	-	417	125	-	768
<b>TRANSPORT</b>	-	-	<b>1520</b>	-	-	-	-	-	-	-	<b>1520</b>
Domestic aviation	-	-	5	-	-	-	-	-	-	-	5
Road	-	-	1513	-	-	-	-	-	-	-	1513
Other/non-specified	-	-	2	-	-	-	-	-	-	-	2
<b>OTHER</b>	-	-	<b>147</b>	-	-	-	-	<b>331</b>	<b>579</b>	-	<b>1058</b>
Residential	-	-	52	-	-	-	-	310	289	-	650
Comm. and public services	-	-	43	-	-	-	-	21	258	-	322
Agriculture/forestry	-	-	38	-	-	-	-	-	27	-	65
Other/non-specified	-	-	14	-	-	-	-	-	6	-	20
<b>NON-ENERGY USE</b>	-	-	<b>34</b>	-	-	-	-	-	-	-	<b>34</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	641	-	-	7263	1535	145	-	-	9584
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

### Côte d'Ivoire

Figure 1. Energy production

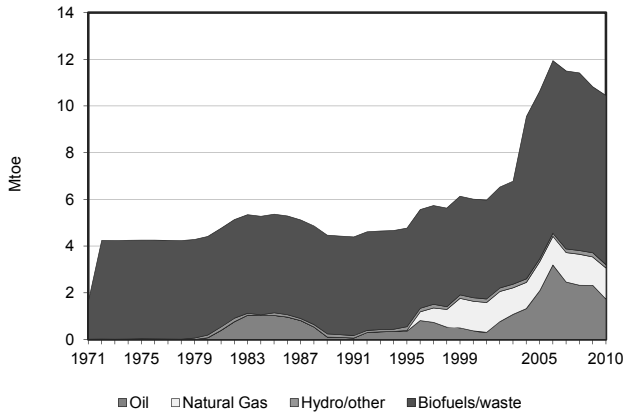


Figure 2. Total primary energy supply\*

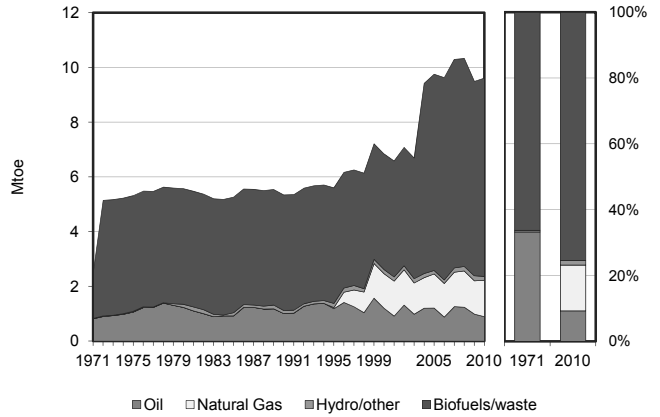


Figure 3. Energy self-sufficiency\*\*

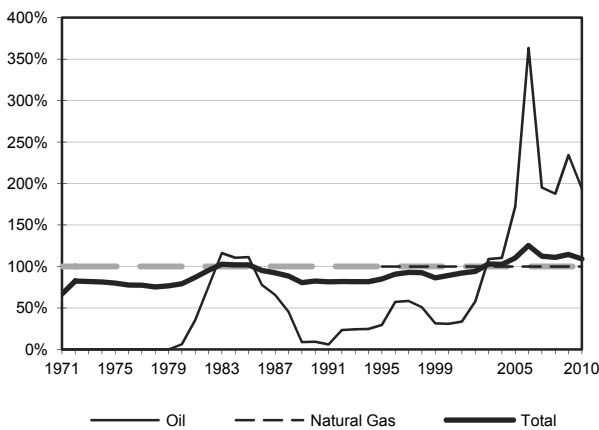


Figure 4. Oil products demand\*\*\*

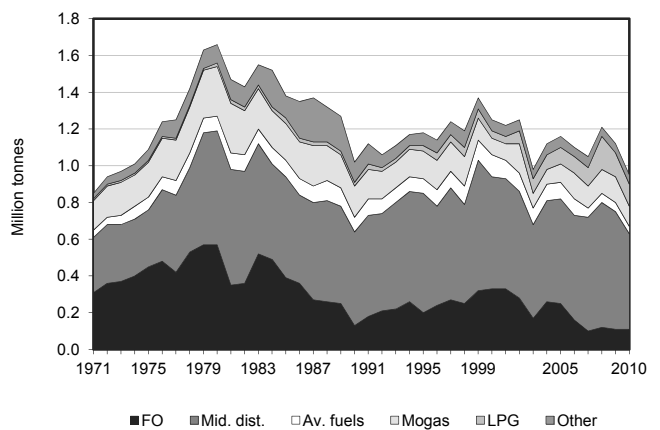


Figure 5. Electricity generation by fuel

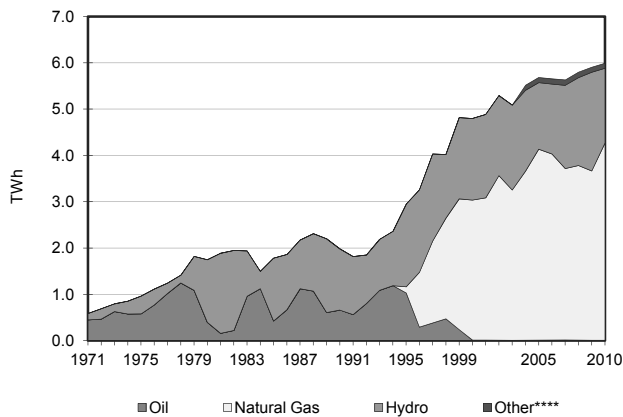
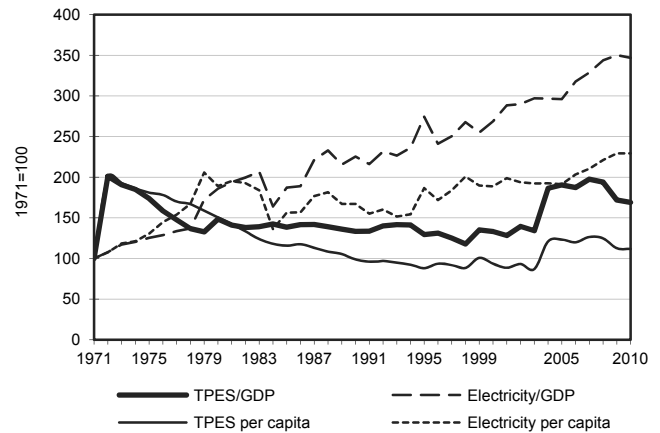


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Côte d'Ivoire

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	2318	-	1216	-	183	-	7105	-	-	10823
Imports	-	3071	113	-	-	-	-	-	-	-	3184
Exports	-	-2203	-2352	-	-	-	-	-	-42	-	-4597
Intl. marine bunkers	-	-	-15	-	-	-	-	-	-	-	-15
Intl. aviation bunkers	-	-	-56	-	-	-	-	-	-	-	-56
Stock changes	-	47	66	-	-	-	-	-	-	-	113
<b>TPES</b>	-	<b>3233</b>	<b>-2245</b>	<b>1216</b>	-	<b>183</b>	-	<b>7105</b>	<b>-42</b>	-	<b>9452</b>
Electricity and CHP plants	-	-	-3	-978	-	-183	-	-37	508	-	-693
Oil refineries	-	-3597	3315	-	-	-	-	-	-	-	-281
Other transformation*	-	363	-32	-12	-	-	-	-3317	-105	-	-3102
<b>TFC</b>	-	-	<b>1036</b>	<b>227</b>	-	-	-	<b>3751</b>	<b>361</b>	-	<b>5375</b>
<b>INDUSTRY</b>	-	-	<b>182</b>	-	-	-	-	-	<b>83</b>	-	<b>265</b>
Iron and steel	-	-	-	-	-	-	-	-	2	-	2
Chemical and petrochemical	-	-	-	-	-	-	-	-	5	-	5
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	182	-	-	-	-	-	76	-	258
<b>TRANSPORT</b>	-	-	<b>529</b>	-	-	-	-	-	-	-	<b>529</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	439	-	-	-	-	-	-	-	439
Other/non-specified	-	-	89	-	-	-	-	-	-	-	89
<b>OTHER</b>	-	-	<b>301</b>	<b>227</b>	-	-	-	<b>3751</b>	<b>278</b>	-	<b>4557</b>
Residential	-	-	167	-	-	-	-	3361	156	-	3684
Comm. and public services	-	-	72	-	-	-	-	390	110	-	572
Agriculture/forestry	-	-	62	-	-	-	-	-	12	-	74
Other/non-specified	-	-	-	227	-	-	-	-	-	-	227
<b>NON-ENERGY USE</b>	-	-	<b>24</b>	-	-	-	-	-	-	-	<b>24</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	11	3656	-	2131	-	107	-	-	5905
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	1728	-	1335	-	139	-	7248	-	-	10449
Imports	-	2562	116	-	-	-	-	-	-	-	2679
Exports	-	-1642	-1895	-	-	-	-	-	-41	-	-3577
Intl. marine bunkers	-	-	-14	-	-	-	-	-	-	-	-14
Intl. aviation bunkers	-	-	-43	-	-	-	-	-	-	-	-43
Stock changes	-	39	40	-	-	-	-	-	-	-	78
<b>TPES</b>	-	<b>2687</b>	<b>-1796</b>	<b>1335</b>	-	<b>139</b>	-	<b>7248</b>	<b>-41</b>	-	<b>9572</b>
Electricity and CHP plants	-	-	-3	-1138	-	-139	-	-37	515	-	-802
Oil refineries	-	-2687	2678	-	-	-	-	-	-	-	-8
Other transformation*	-	-	-15	-12	-	-	-	-3384	-108	-	-3519
<b>TFC</b>	-	-	<b>865</b>	<b>185</b>	-	-	-	<b>3826</b>	<b>367</b>	-	<b>5242</b>
<b>INDUSTRY</b>	-	-	<b>157</b>	-	-	-	-	-	<b>84</b>	-	<b>242</b>
Iron and steel	-	-	-	-	-	-	-	-	2	-	2
Chemical and petrochemical	-	-	-	-	-	-	-	-	5	-	5
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	157	-	-	-	-	-	77	-	234
<b>TRANSPORT</b>	-	-	<b>423</b>	-	-	-	-	-	-	-	<b>423</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	348	-	-	-	-	-	-	-	348
Other/non-specified	-	-	75	-	-	-	-	-	-	-	75
<b>OTHER</b>	-	-	<b>260</b>	<b>185</b>	-	-	-	<b>3826</b>	<b>282</b>	-	<b>4553</b>
Residential	-	-	143	-	-	-	-	3428	159	-	3729
Comm. and public services	-	-	67	-	-	-	-	398	111	-	577
Agriculture/forestry	-	-	51	-	-	-	-	-	12	-	63
Other/non-specified	-	-	-	185	-	-	-	-	-	-	185
<b>NON-ENERGY USE</b>	-	-	<b>24</b>	-	-	-	-	-	-	-	<b>24</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	11	4255	-	1618	-	109	-	-	5993
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

Croatia

Figure 1. Energy production

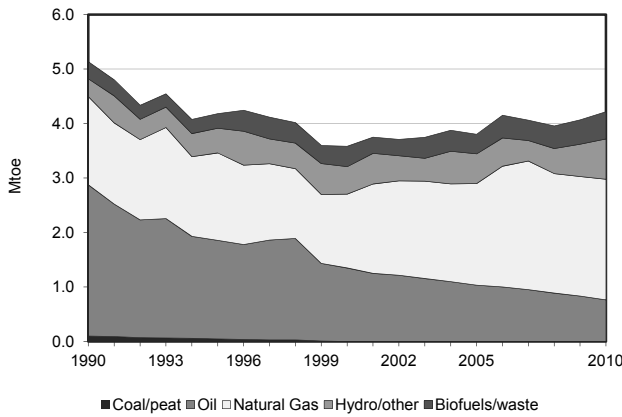


Figure 2. Total primary energy supply\*

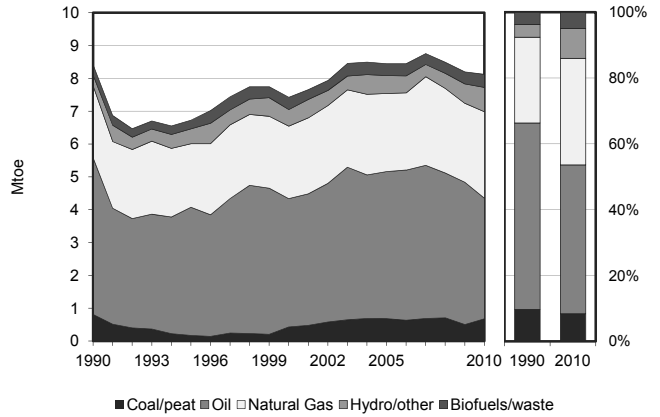


Figure 3. Energy self-sufficiency\*\*

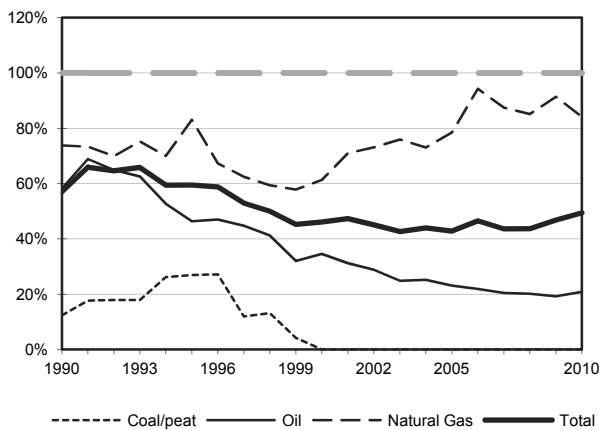


Figure 4. Oil products demand\*\*\*

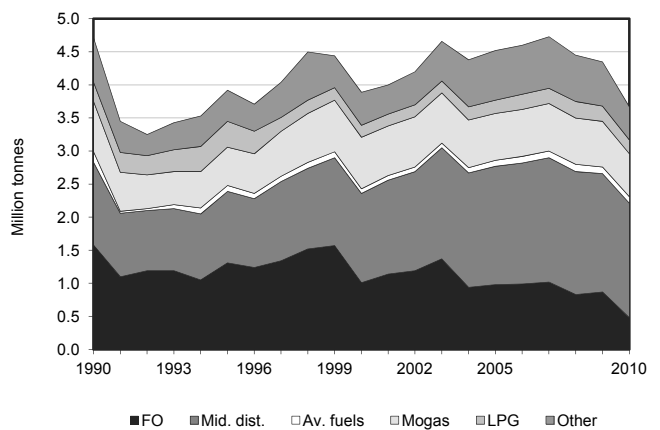


Figure 5. Electricity generation by fuel

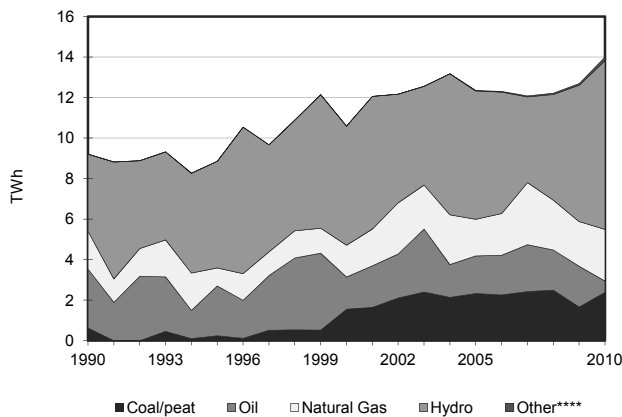
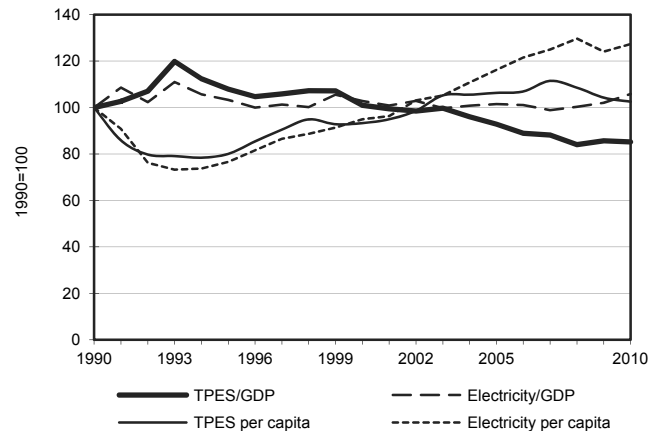


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Croatia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	834	-	2196	-	579	13	447	-	-	4068
Imports	455	4178	1153	848	-	-	-	9	652	-	7294
Exports	-	-	-1920	-653	-	-	-	-91	-163	-	-2828
Intl. marine bunkers	-	-	-7	-	-	-	-	-	-	-	-7
Intl. aviation bunkers	-	-	-45	-	-	-	-	-	-	-	-45
Stock changes	52	57	84	12	-	-	-	-	-	-	206
<b>TPES</b>	<b>507</b>	<b>5068</b>	<b>-734</b>	<b>2403</b>	<b>-</b>	<b>579</b>	<b>13</b>	<b>364</b>	<b>489</b>	<b>-</b>	<b>8688</b>
Transfers	-	-121	123	-	-	-	-	-	-	-	2
Statistical differences	0	-	-	-	-	-	-	-	-	-	0
Electricity plants	-376	-	-295	-117	-	-579	-5	-1	878	-	-494
CHP plants	-0	-	-188	-434	-	-	-	-5	214	208	-205
Heat plants	-	-	-25	-60	-	-	-	-	-	69	-16
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	5	-	-2	-3	-	-	-	-	-	-	-1
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-4948	4922	-	-	-	-	-	-	-	-26
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-8	-	-	-8
Energy industry own use	-	-	-510	-184	-	-	-	-	-72	-19	-785
Losses	-0	-	-	-42	-	-	-	-	-174	-30	-246
<b>TFC</b>	<b>135</b>	<b>-</b>	<b>3290</b>	<b>1563</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>351</b>	<b>1334</b>	<b>228</b>	<b>6909</b>
<b>INDUSTRY</b>	<b>126</b>	<b>-</b>	<b>386</b>	<b>506</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>61</b>	<b>305</b>	<b>43</b>	<b>1427</b>
Iron and steel	1	-	-	17	-	-	-	-	12	0	29
Chemical and petrochemical	-	-	23	157	-	-	-	0	39	15	234
Non-ferrous metals	-	-	5	1	-	-	-	0	7	-	13
Non-metallic minerals	105	-	124	124	-	-	-	10	53	0	418
Transport equipment	0	-	4	4	-	-	-	0	12	-	20
Machinery	1	-	5	20	-	-	-	1	26	6	58
Mining and quarrying	0	-	25	0	-	-	-	-	5	-	31
Food and tobacco	18	-	38	118	-	-	-	0	54	14	243
Paper pulp and printing	-	-	14	40	-	-	-	3	27	1	85
Wood and wood products	-	-	2	5	-	-	-	16	14	-	36
Construction	-	-	136	-	-	-	-	-	24	-	160
Textile and leather	-	-	6	15	-	-	-	0	13	2	35
Non-specified	-	-	3	5	-	-	-	30	20	5	64
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>2066</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>23</b>	<b>-</b>	<b>2098</b>
Domestic aviation	-	-	58	-	-	-	-	-	-	-	58
Road	-	-	1933	1	-	-	-	8	-	-	1942
Rail	-	-	29	-	-	-	-	-	15	-	43
Pipeline transport	-	-	-	-	-	-	-	-	2	-	2
Domestic navigation	-	-	47	-	-	-	-	-	-	-	47
Non-specified	-	-	-	-	-	-	-	-	6	-	6
<b>OTHER</b>	<b>9</b>	<b>-</b>	<b>576</b>	<b>716</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>283</b>	<b>1006</b>	<b>185</b>	<b>2782</b>
Residential	6	-	248	568	-	-	5	279	556	147	1808
Comm. and publ. services	3	-	100	132	-	-	3	3	444	38	723
Agriculture/forestry	-	-	175	16	-	-	-	-	6	-	197
Fishing	-	-	53	-	-	-	-	-	-	-	53
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>262</b>	<b>341</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>603</b>
in industry/transf./energy	-	-	239	341	-	-	-	-	-	-	580
of which: feedstocks	-	-	56	341	-	-	-	-	-	-	397
in transport	-	-	22	-	-	-	-	-	-	-	22
in other	-	-	2	-	-	-	-	-	-	-	2
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>1658</b>	<b>-</b>	<b>2013</b>	<b>2211</b>	<b>-</b>	<b>6730</b>	<b>54</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>12691</b>
Electricity plants	1655	-	1305	460	-	6730	54	2	-	-	10206
CHP plants	3	-	708	1751	-	-	-	23	-	-	2485
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>3670</b>	<b>7928</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11598</b>
CHP plants	-	-	2811	5884	-	-	-	-	-	-	8695
Heat plants	-	-	859	2044	-	-	-	-	-	-	2903

## Croatia

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	765	-	2214	-	716	24	499	-	-	4218
Imports	701	3681	1289	868	-	-	-	7	575	-	7121
Exports	-1	-	-1959	-393	-	-	-	-108	-165	-	-2626
Intl. marine bunkers	-	-	-7	-	-	-	-	-	-	-	-7
Intl. aviation bunkers	-	-	-56	-	-	-	-	-	-	-	-56
Stock changes	-17	3	-44	-58	-	-	-	1	-	-	-116
<b>TPES</b>	<b>683</b>	<b>4449</b>	<b>-777</b>	<b>2632</b>	<b>-</b>	<b>716</b>	<b>24</b>	<b>399</b>	<b>410</b>	<b>-</b>	<b>8535</b>
Transfers	-	-112	114	-	-	-	-	-	-	-	1
Statistical differences	-0	-	3	-	-	-	-	-3	-	-	0
Electricity plants	-528	-	-15	-19	-	-716	-12	-0	943	-	-349
CHP plants	-4	-	-127	-583	-	-	-	-6	261	225	-234
Heat plants	-	-	-27	-70	-	-	-	-	-	74	-24
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	4	-	-	-4	-	-	-	-	-	-	-0
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-4337	4307	-	-	-	-	-	-	-	-29
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-9	-	-	-	-4	-	-	-13
Energy industry own use	-	-	-442	-205	-	-	-	-	-76	-17	-739
Losses	-0	-	-	-49	-	-	-	-	-174	-37	-260
<b>TFC</b>	<b>155</b>	<b>-</b>	<b>3035</b>	<b>1692</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>385</b>	<b>1364</b>	<b>245</b>	<b>6889</b>
<b>INDUSTRY</b>	<b>144</b>	<b>-</b>	<b>309</b>	<b>511</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>58</b>	<b>310</b>	<b>45</b>	<b>1378</b>
Iron and steel	3	-	1	19	-	-	-	-	16	0	38
Chemical and petrochemical	1	-	4	161	-	-	-	0	41	13	220
Non-ferrous metals	-	-	4	0	-	-	-	0	6	-	11
Non-metallic minerals	124	-	97	107	-	-	-	9	54	-	391
Transport equipment	-	-	3	2	-	-	-	0	11	-	16
Machinery	-	-	5	21	-	-	-	0	27	8	61
Mining and quarrying	-	-	20	0	-	-	-	-	4	-	25
Food and tobacco	17	-	34	128	-	-	-	0	56	17	252
Paper pulp and printing	-	-	13	45	-	-	-	6	28	1	94
Wood and wood products	-	-	2	8	-	-	-	10	15	-	35
Construction	-	-	119	-	-	-	-	-	20	-	139
Textile and leather	-	-	4	14	-	-	-	0	13	1	31
Non-specified	-	-	2	6	-	-	-	34	19	5	66
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1986</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>23</b>	<b>-</b>	<b>2014</b>
Domestic aviation	-	-	54	-	-	-	-	-	-	-	54
Road	-	-	1867	2	-	-	-	3	-	-	1871
Rail	-	-	29	-	-	-	-	-	21	-	50
Pipeline transport	-	-	-	-	-	-	-	-	2	-	2
Domestic navigation	-	-	38	-	-	-	-	-	-	-	38
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>11</b>	<b>-</b>	<b>552</b>	<b>769</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>324</b>	<b>1031</b>	<b>200</b>	<b>2900</b>
Residential	9	-	234	595	-	-	5	6	572	154	1575
Comm. and publ. services	2	-	98	156	-	-	7	318	453	45	1080
Agriculture/forestry	-	-	169	18	-	-	-	-	6	1	194
Fishing	-	-	51	-	-	-	-	-	-	-	51
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>188</b>	<b>409</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>597</b>
in industry/transf./energy	-	-	167	409	-	-	-	-	-	-	576
of which: feedstocks	-	-	51	409	-	-	-	-	-	-	460
in transport	-	-	20	-	-	-	-	-	-	-	20
in other	-	-	2	-	-	-	-	-	-	-	2
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2385</b>	<b>-</b>	<b>560</b>	<b>2553</b>	<b>-</b>	<b>8329</b>	<b>139</b>	<b>33</b>	<b>-</b>	<b>-</b>	<b>13999</b>
Electricity plants	2363	-	59	72	-	8329	139	1	-	-	10963
CHP plants	22	-	501	2481	-	-	-	32	-	-	3036
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>2696</b>	<b>9744</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>63</b>	<b>-</b>	<b>-</b>	<b>12503</b>
CHP plants	-	-	1753	7595	-	-	-	63	-	-	9411
Heat plants	-	-	943	2149	-	-	-	-	-	-	3092



Cuba

Figure 1. Energy production

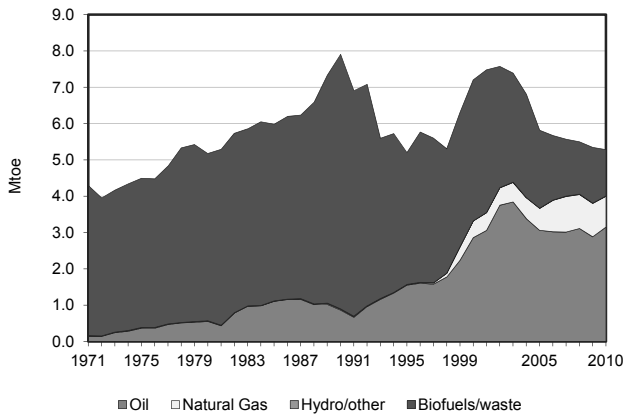


Figure 2. Total primary energy supply\*

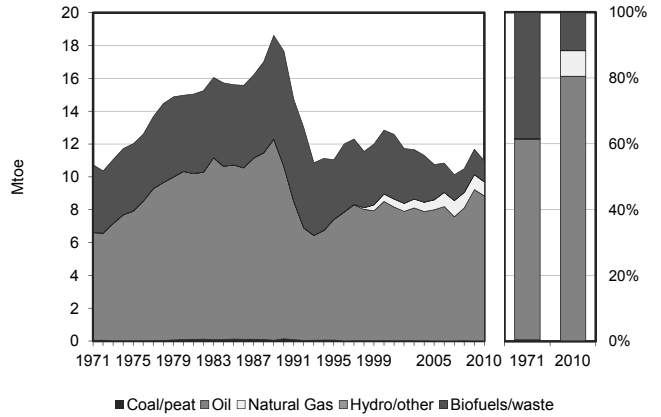


Figure 3. Energy self-sufficiency\*\*

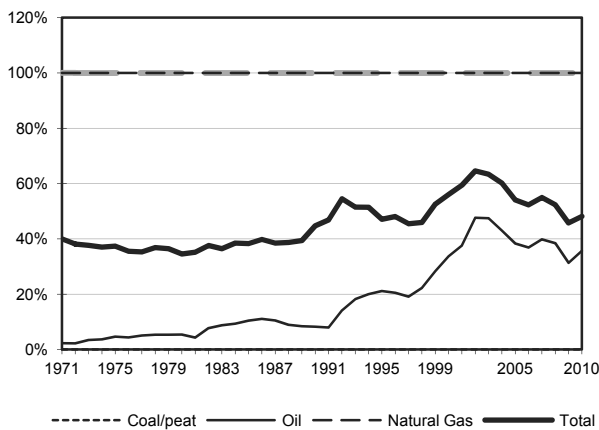


Figure 4. Oil products demand\*\*\*

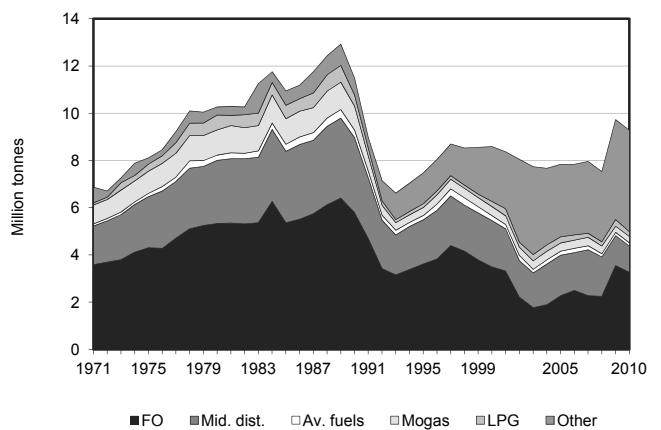


Figure 5. Electricity generation by fuel

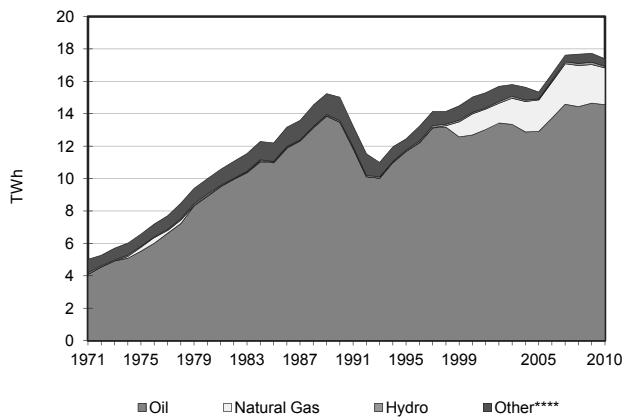
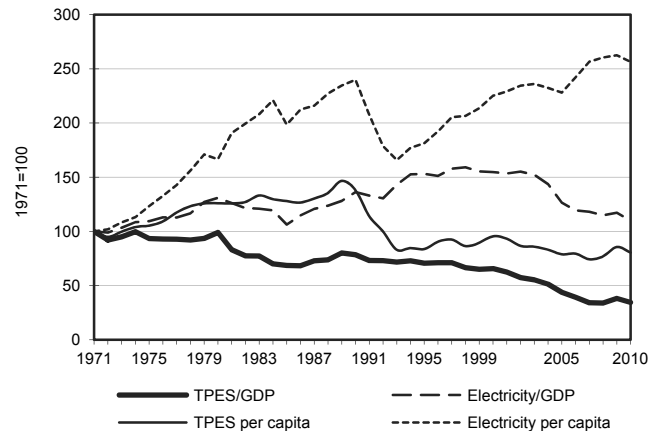


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Cuba

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	2883	-	918	-	13	0	1532	-	-	5346
Imports	18	6615	303	-	-	-	-	-	-	-	6936
Exports	-	-	-417	-	-	-	-	-	-	-	-417
Intl. marine bunkers	-	-	-30	-	-	-	-	-	-	-	-30
Intl. aviation bunkers	-	-	-145	-	-	-	-	-	-	-	-145
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>18</b>	<b>9498</b>	<b>-289</b>	<b>918</b>	<b>-</b>	<b>13</b>	<b>0</b>	<b>1532</b>	<b>-</b>	<b>-</b>	<b>11691</b>
Electricity and CHP plants	-	-2687	-2983	-512	-	-13	-0	-278	1525	-	-4948
Oil refineries	-	-5323	5058	-	-	-	-	-	-	-	-265
Other transformation*	-4	-107	548	16	-	-	-	-99	-313	-	41
<b>TFC</b>	<b>14</b>	<b>1381</b>	<b>2335</b>	<b>422</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1155</b>	<b>1212</b>	<b>-</b>	<b>6519</b>
<b>INDUSTRY</b>	<b>14</b>	<b>1381</b>	<b>1076</b>	<b>363</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>595</b>	<b>318</b>	<b>-</b>	<b>3747</b>
Iron and steel	3	-	-	-	-	-	-	-	-	-	3
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	11	1381	1076	363	-	-	-	595	318	-	3744
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>482</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23</b>	<b>-</b>	<b>504</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	436	-	-	-	-	-	-	-	436
Other/non-specified	-	-	46	-	-	-	-	-	23	-	68
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>587</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>560</b>	<b>871</b>	<b>-</b>	<b>2078</b>
Residential	-	-	170	55	-	-	-	290	552	-	1067
Comm. and public services	-	-	3	-	-	-	-	20	291	-	315
Agriculture/forestry	-	-	107	-	-	-	-	20	27	-	154
Other/non-specified	-	-	307	4	-	-	-	231	-	-	542
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>190</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>190</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	7811	6846	2381	-	151	4	535	-	-	17728
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	3150	-	852	-	8	1	1273	-	-	5284
Imports	16	6167	219	-	-	-	-	-	-	-	6402
Exports	-	-	-531	-	-	-	-	-	-	-	-531
Intl. marine bunkers	-	-	-30	-	-	-	-	-	-	-	-30
Intl. aviation bunkers	-	-	-146	-	-	-	-	-	-	-	-146
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>16</b>	<b>9317</b>	<b>-487</b>	<b>852</b>	<b>-</b>	<b>8</b>	<b>1</b>	<b>1273</b>	<b>-</b>	<b>-</b>	<b>10980</b>
Electricity and CHP plants	-	-2644	-2647	-488	-	-8	-1	-241	1496	-	-4532
Oil refineries	-	-5136	4908	-	-	-	-	-	-	-	-229
Other transformation*	-4	-75	477	15	-	-	-	-86	-316	-	12
<b>TFC</b>	<b>11</b>	<b>1462</b>	<b>2251</b>	<b>380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>947</b>	<b>1180</b>	<b>-</b>	<b>6230</b>
<b>INDUSTRY</b>	<b>11</b>	<b>1462</b>	<b>1002</b>	<b>325</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>515</b>	<b>325</b>	<b>-</b>	<b>3640</b>
Iron and steel	3	-	-	-	-	-	-	-	-	-	3
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	8	1462	1002	325	-	-	-	515	325	-	3637
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>475</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>497</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	431	-	-	-	-	-	-	-	431
Other/non-specified	-	-	45	-	-	-	-	-	22	-	66
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>573</b>	<b>54</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>432</b>	<b>833</b>	<b>-</b>	<b>1892</b>
Residential	-	-	170	50	-	-	-	282	573	-	1075
Comm. and public services	-	-	3	-	-	-	-	11	236	-	250
Agriculture/forestry	-	-	103	-	-	-	-	18	24	-	145
Other/non-specified	-	-	297	4	-	-	-	121	-	-	422
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>201</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>201</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	7687	6877	2269	-	97	12	455	-	-	17397
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Cyprus

Figure 1. Energy production

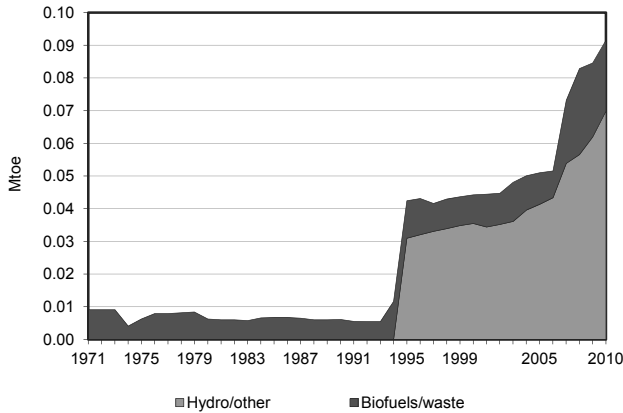


Figure 2. Total primary energy supply\*

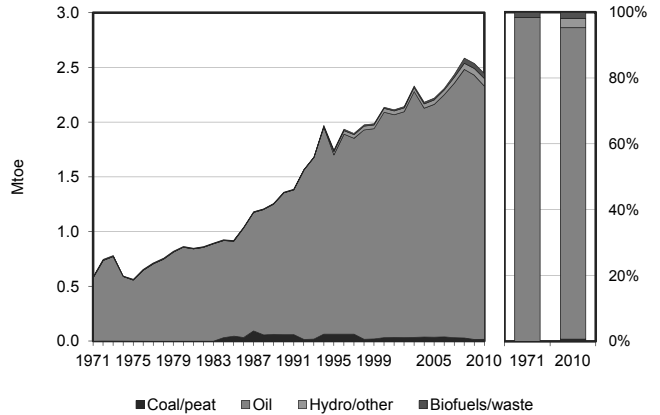


Figure 3. Energy self-sufficiency\*\*

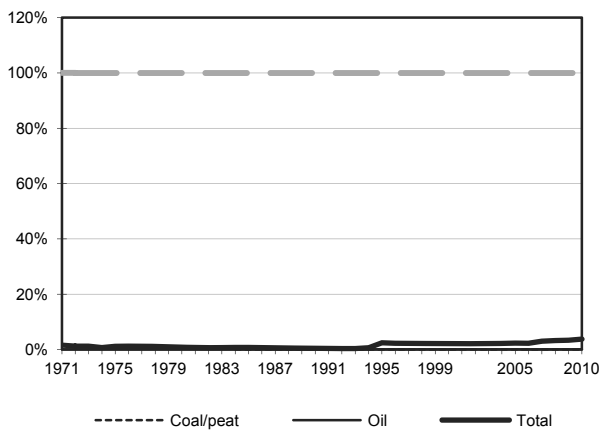


Figure 4. Oil products demand\*\*\*

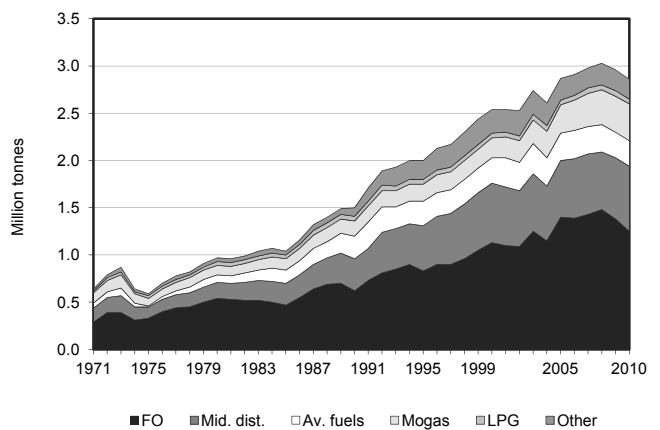


Figure 5. Electricity generation by fuel

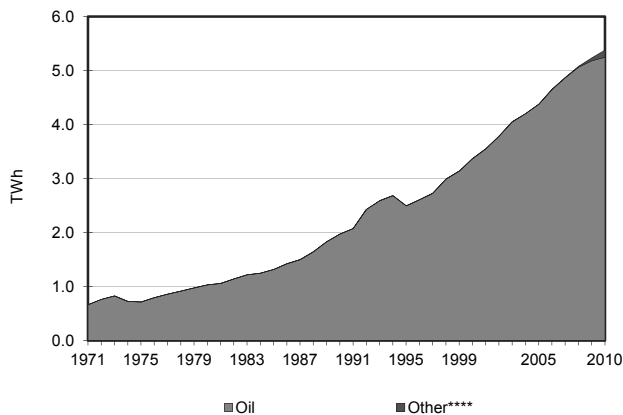
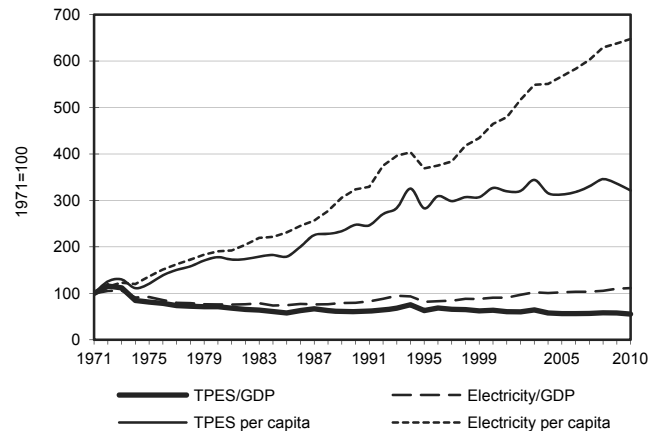


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Cyprus

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	62	23	-	-	85
Imports	18	-	2869	-	-	-	-	23	-	-	2910
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-214	-	-	-	-	-	-	-	-214
Intl. aviation bunkers	-	-	-272	-	-	-	-	-	-	-	-272
Stock changes	-3	-	31	-	-	-	-	-	-	-	28
<b>TPES</b>	<b>15</b>	-	<b>2414</b>	-	-	-	<b>62</b>	<b>46</b>	-	-	<b>2537</b>
Electricity and CHP plants	-	-	-1217	-	-	-	-4	-0	450	-	-771
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-0	-	4	-	-	-	-	-2	-41	-	-40
<b>TFC</b>	<b>15</b>	-	<b>1201</b>	-	-	-	<b>58</b>	<b>43</b>	<b>409</b>	-	<b>1726</b>
<b>INDUSTRY</b>	<b>14</b>	-	<b>181</b>	-	-	-	-	<b>14</b>	<b>51</b>	-	<b>260</b>
Iron and steel	-	-	-	-	-	-	-	-	0	-	0
Chemical and petrochemical	-	-	-	-	-	-	-	-	2	-	2
Non-metallic minerals	14	-	148	-	-	-	-	14	17	-	194
Other/non-specified	-	-	33	-	-	-	-	-	31	-	64
<b>TRANSPORT</b>	-	-	<b>729</b>	-	-	-	-	<b>15</b>	-	-	<b>744</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	729	-	-	-	-	15	-	-	744
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>0</b>	-	<b>216</b>	-	-	-	<b>58</b>	<b>15</b>	<b>358</b>	-	<b>647</b>
Residential	-	-	104	-	-	-	50	10	148	-	311
Comm. and public services	-	-	21	-	-	-	9	5	186	-	221
Agriculture/forestry	-	-	24	-	-	-	-	-	12	-	37
Other/non-specified	0	-	67	-	-	-	-	-	11	-	78
<b>NON-ENERGY USE</b>	-	-	<b>75</b>	-	-	-	-	-	-	-	<b>75</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5184	-	-	-	43	6	-	-	5233
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

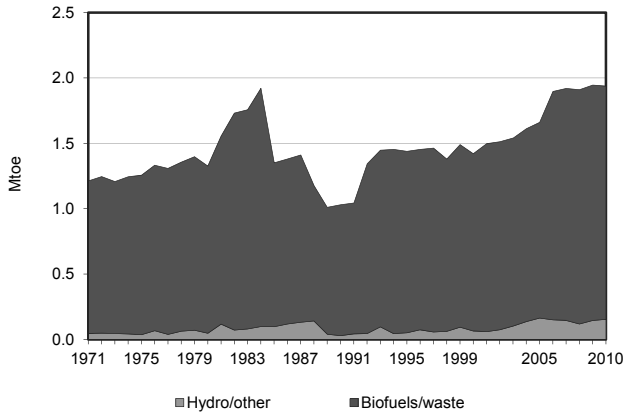
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	70	22	-	-	92
Imports	11	-	2889	-	-	-	-	33	-	-	2933
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-182	-	-	-	-	-	-	-	-182
Intl. aviation bunkers	-	-	-277	-	-	-	-	-	-	-	-277
Stock changes	6	-	-116	-	-	-	-	-10	-	-	-120
<b>TPES</b>	<b>17</b>	-	<b>2313</b>	-	-	-	<b>70</b>	<b>45</b>	-	-	<b>2445</b>
Electricity and CHP plants	-	-	-1176	-	-	-	-8	-3	463	-	-725
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	1	-	42	-	-	-	-	2	-43	-	3
<b>TFC</b>	<b>18</b>	-	<b>1179</b>	-	-	-	<b>62</b>	<b>45</b>	<b>420</b>	-	<b>1723</b>
<b>INDUSTRY</b>	<b>18</b>	-	<b>153</b>	-	-	-	-	<b>15</b>	<b>50</b>	-	<b>236</b>
Iron and steel	-	-	-	-	-	-	-	-	0	-	0
Chemical and petrochemical	-	-	-	-	-	-	-	-	3	-	3
Non-metallic minerals	18	-	119	-	-	-	-	15	16	-	168
Other/non-specified	-	-	33	-	-	-	-	-	31	-	65
<b>TRANSPORT</b>	-	-	<b>745</b>	-	-	-	-	<b>15</b>	-	-	<b>760</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	745	-	-	-	-	15	-	-	760
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>0</b>	-	<b>199</b>	-	-	-	<b>62</b>	<b>14</b>	<b>370</b>	-	<b>645</b>
Residential	-	-	86	-	-	-	52	8	149	-	295
Comm. and public services	-	-	25	-	-	-	9	6	194	-	235
Agriculture/forestry	-	-	23	-	-	-	-	-	13	-	36
Other/non-specified	0	-	64	-	-	-	-	-	14	-	78
<b>NON-ENERGY USE</b>	-	-	<b>83</b>	-	-	-	-	-	-	-	<b>83</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5249	-	-	-	97	34	-	-	5380
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

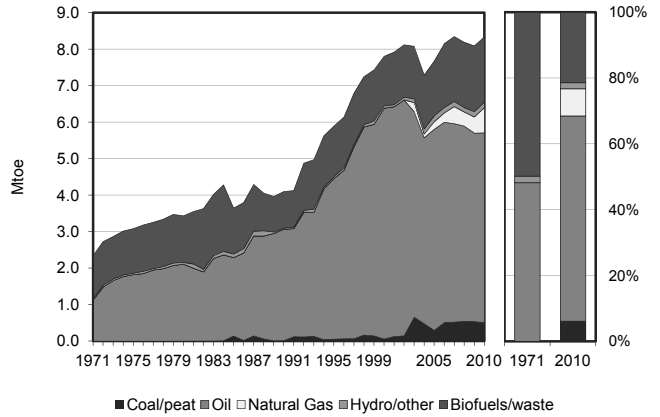
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Dominican Republic

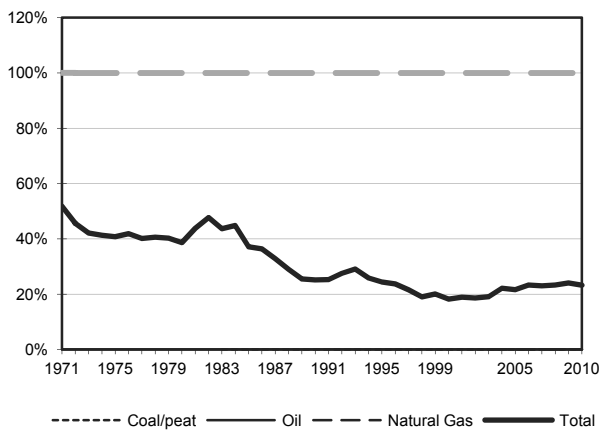
**Figure 1. Energy production**



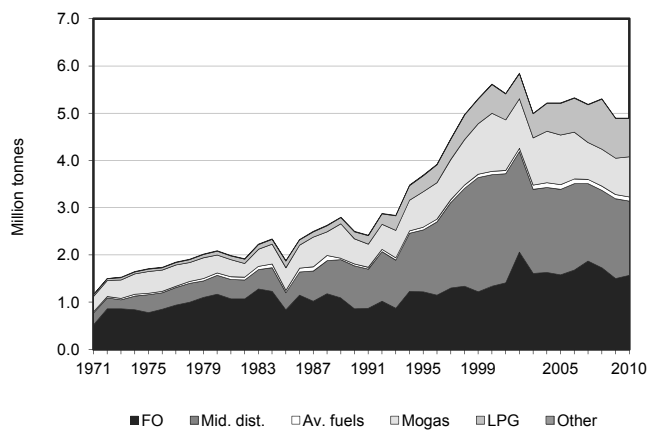
**Figure 2. Total primary energy supply\***



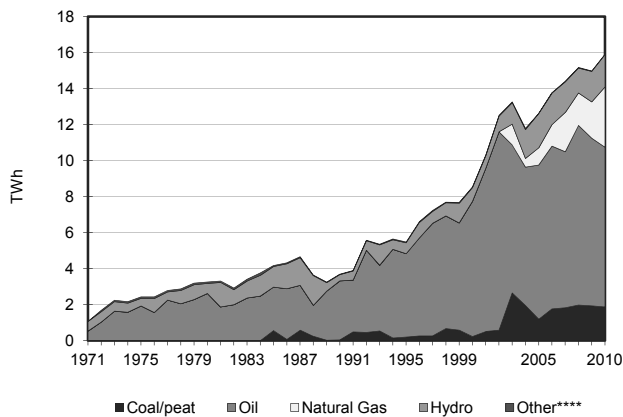
**Figure 3. Energy self-sufficiency\*\***



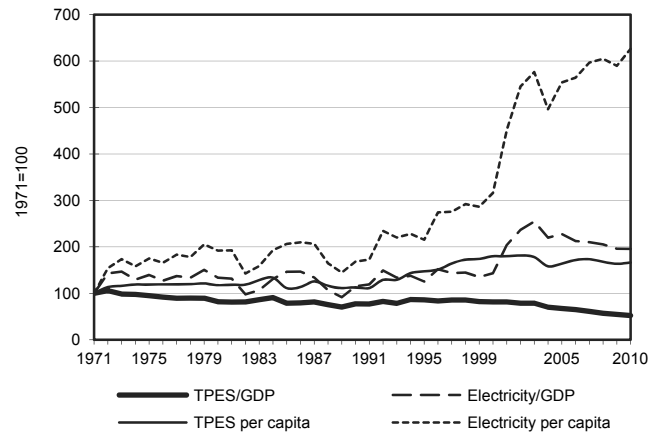
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Dominican Republic

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	146	-	1801	-	-	1946
Imports	532	1267	3978	443	-	-	-	-	-	-	6219
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-99	-	-	-	-	-	-	-	-99
Stock changes	-	25	-	-	-	-	-	-	-	-	25
<b>TPES</b>	<b>532</b>	<b>1292</b>	<b>3879</b>	<b>443</b>	-	<b>146</b>	-	<b>1801</b>	-	-	<b>8091</b>
Electricity and CHP plants	-476	-	-1896	-434	-	-146	-	-21	1288	-	-1684
Oil refineries	-	-1291	1239	-	-	-	-	-	-	-	-52
Other transformation*	16	-1	-147	-	-	-	-	-434	-184	-	-750
<b>TFC</b>	<b>71</b>	-	<b>3074</b>	<b>10</b>	-	-	-	<b>1346</b>	<b>1104</b>	-	<b>5606</b>
<b>INDUSTRY</b>	<b>71</b>	-	<b>395</b>	<b>10</b>	-	-	-	<b>444</b>	<b>450</b>	-	<b>1370</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	71	-	395	10	-	-	-	444	450	-	1370
<b>TRANSPORT</b>	-	-	<b>1823</b>	-	-	-	-	-	-	-	<b>1823</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1414	-	-	-	-	-	-	-	1414
Other/non-specified	-	-	409	-	-	-	-	-	-	-	409
<b>OTHER</b>	-	-	<b>856</b>	-	-	-	-	<b>902</b>	<b>654</b>	-	<b>2413</b>
Residential	-	-	783	-	-	-	-	902	364	-	2049
Comm. and public services	-	-	51	-	-	-	-	-	169	-	220
Agriculture/forestry	-	-	23	-	-	-	-	-	121	-	144
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1939	-	9305	2017	-	1692	-	29	-	-	14982
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	154	-	1784	-	-	1938
Imports	508	1373	3912	692	-	-	-	-	-	-	6485
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-100	-	-	-	-	-	-	-	-100
Stock changes	-	16	-	-	-	-	-	-	-	-	16
<b>TPES</b>	<b>508</b>	<b>1389</b>	<b>3812</b>	<b>692</b>	-	<b>154</b>	-	<b>1784</b>	-	-	<b>8339</b>
Electricity and CHP plants	-460	-	-1923	-647	-	-154	-	-17	1368	-	-1834
Oil refineries	-	-1389	1332	-	-	-	-	-	-	-	-57
Other transformation*	23	-	-186	-	-	-	-	-434	-183	-	-779
<b>TFC</b>	<b>71</b>	-	<b>3034</b>	<b>45</b>	-	-	-	<b>1333</b>	<b>1186</b>	-	<b>5668</b>
<b>INDUSTRY</b>	<b>71</b>	-	<b>387</b>	<b>45</b>	-	-	-	<b>422</b>	<b>483</b>	-	<b>1408</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	71	-	387	45	-	-	-	422	483	-	1408
<b>TRANSPORT</b>	-	-	<b>1808</b>	-	-	-	-	-	-	-	<b>1808</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1415	-	-	-	-	-	-	-	1415
Other/non-specified	-	-	393	-	-	-	-	-	-	-	393
<b>OTHER</b>	-	-	<b>839</b>	-	-	-	-	<b>910</b>	<b>703</b>	-	<b>2452</b>
Residential	-	-	770	-	-	-	-	910	391	-	2072
Comm. and public services	-	-	50	-	-	-	-	-	181	-	231
Agriculture/forestry	-	-	20	-	-	-	-	-	130	-	150
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1874	-	8874	3347	-	1793	-	24	-	-	15912
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Ecuador

Figure 1. Energy production

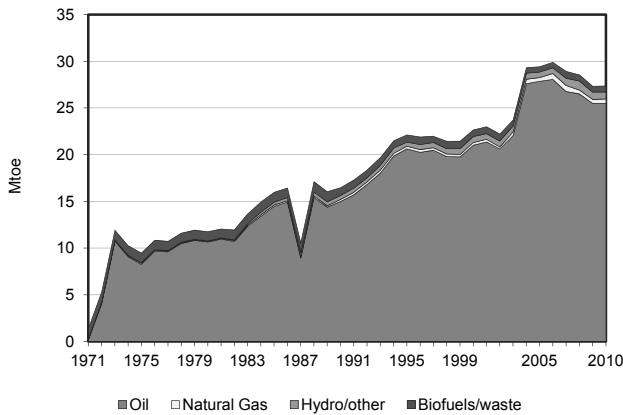


Figure 2. Total primary energy supply\*

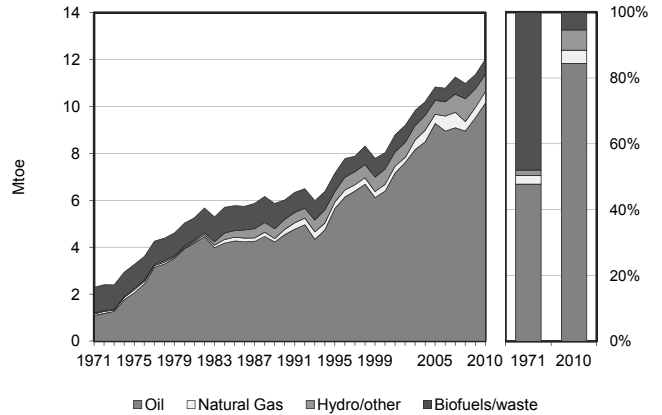


Figure 3. Energy self-sufficiency\*\*

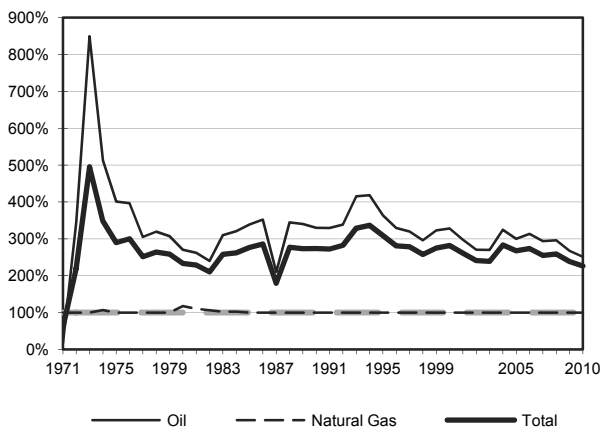


Figure 4. Oil products demand\*\*\*

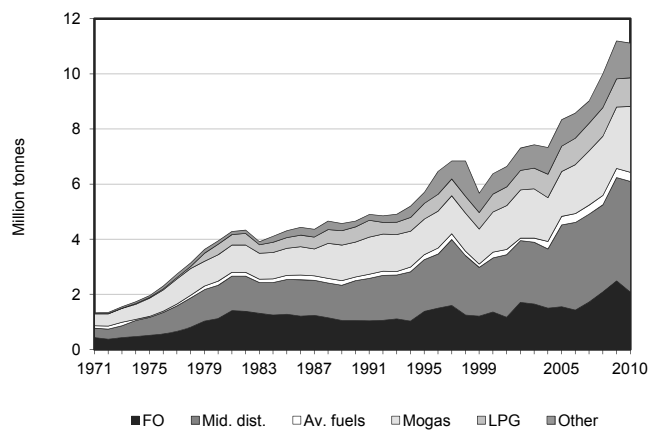


Figure 5. Electricity generation by fuel

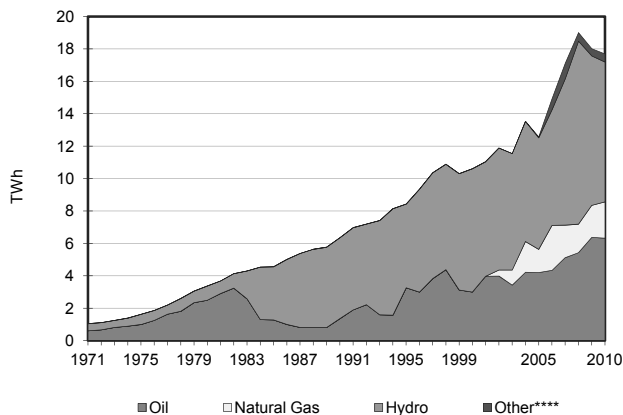
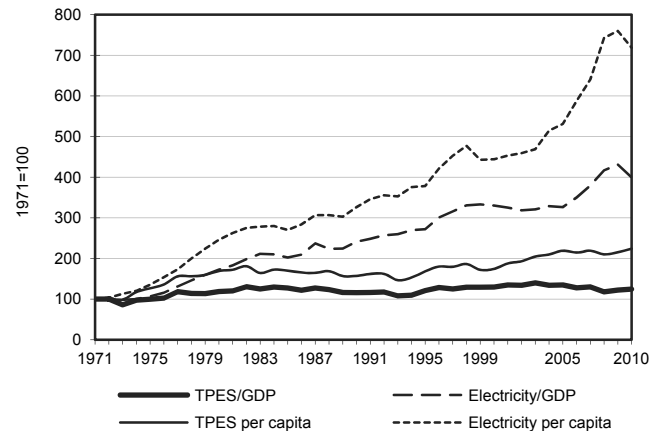


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Ecuador

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	25486	-	430	-	793	0	616	-	-	27324
Imports	-	-	3943	-	-	-	-	-	96	-	4039
Exports	-	-17097	-1751	-	-	-	-	-	-2	-	-18850
Intl. marine bunkers	-	-	-1232	-	-	-	-	-	-	-	-1232
Intl. aviation bunkers	-	-	-347	-	-	-	-	-	-	-	-347
Stock changes	-	-200	728	-	-	-	-	-	-	-	528
<b>TPES</b>	-	<b>8189</b>	<b>1340</b>	<b>430</b>	-	<b>793</b>	<b>0</b>	<b>616</b>	<b>95</b>	-	<b>11462</b>
Electricity and CHP plants	-	-194	-1325	-383	-	-793	-0	-152	1550	-	-1297
Oil refineries	-	-8824	8749	-	-	-	-	-	-	-	-75
Other transformation*	-	829	-786	-47	-	-	-	11	-530	-	-523
<b>TFC</b>	-	-	<b>7979</b>	-	-	-	-	<b>474</b>	<b>1114</b>	-	<b>9567</b>
<b>INDUSTRY</b>	-	-	<b>1123</b>	-	-	-	-	<b>121</b>	<b>327</b>	-	<b>1571</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	1123	-	-	-	-	121	327	-	1571
<b>TRANSPORT</b>	-	-	<b>4871</b>	-	-	-	-	-	-	-	<b>4871</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	4085	-	-	-	-	-	-	-	4085
Other/non-specified	-	-	785	-	-	-	-	-	-	-	785
<b>OTHER</b>	-	-	<b>1226</b>	-	-	-	-	<b>353</b>	<b>788</b>	-	<b>2367</b>
Residential	-	-	1045	-	-	-	-	353	403	-	1801
Comm. and public services	-	-	70	-	-	-	-	-	287	-	357
Agriculture/forestry	-	-	107	-	-	-	-	-	-	-	107
Other/non-specified	-	-	5	-	-	-	-	-	98	-	102
<b>NON-ENERGY USE</b>	-	-	<b>758</b>	-	-	-	-	-	-	-	<b>758</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6377	1978	-	9222	3	442	-	-	18022
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

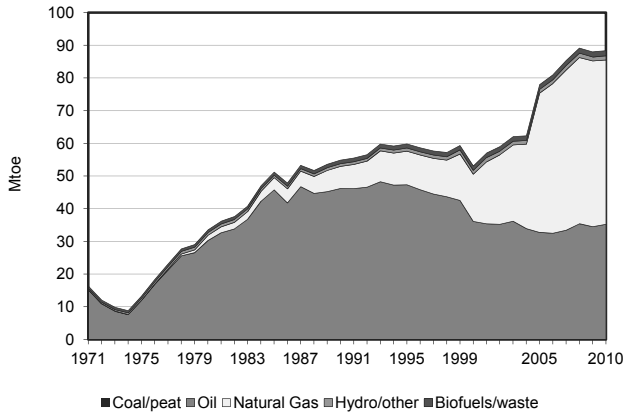
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	25491	-	486	-	743	0	647	-	-	27366
Imports	-	-	4736	-	-	-	-	-	75	-	4811
Exports	-	-17494	-1492	-	-	-	-	-	-1	-	-18987
Intl. marine bunkers	-	-	-976	-	-	-	-	-	-	-	-976
Intl. aviation bunkers	-	-	-346	-	-	-	-	-	-	-	-346
Stock changes	-	-200	428	-	-	-	-	-	-	-	228
<b>TPES</b>	-	<b>7797</b>	<b>2351</b>	<b>486</b>	-	<b>743</b>	<b>0</b>	<b>647</b>	<b>74</b>	-	<b>12097</b>
Electricity and CHP plants	-	-206	-1680	-432	-	-743	-0	-166	1521	-	-1706
Oil refineries	-	-7840	7875	-	-	-	-	-	-	-	35
Other transformation*	-	249	-704	-54	-	-	-	-	-385	-	-893
<b>TFC</b>	-	-	<b>7842</b>	-	-	-	-	<b>480</b>	<b>1211</b>	-	<b>9533</b>
<b>INDUSTRY</b>	-	-	<b>1033</b>	-	-	-	-	<b>123</b>	<b>380</b>	-	<b>1536</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	1033	-	-	-	-	123	380	-	1536
<b>TRANSPORT</b>	-	-	<b>4913</b>	-	-	-	-	-	-	-	<b>4913</b>
Domestic aviation	-	-	4	-	-	-	-	-	-	-	4
Road	-	-	4157	-	-	-	-	-	-	-	4157
Other/non-specified	-	-	752	-	-	-	-	-	-	-	752
<b>OTHER</b>	-	-	<b>1254</b>	-	-	-	-	<b>357</b>	<b>831</b>	-	<b>2442</b>
Residential	-	-	1066	-	-	-	-	357	440	-	1863
Comm. and public services	-	-	72	-	-	-	-	-	300	-	372
Agriculture/forestry	-	-	111	-	-	-	-	-	-	-	111
Other/non-specified	-	-	5	-	-	-	-	-	91	-	96
<b>NON-ENERGY USE</b>	-	-	<b>642</b>	-	-	-	-	-	-	-	<b>642</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6331	2235	-	8636	3	483	-	-	17688
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

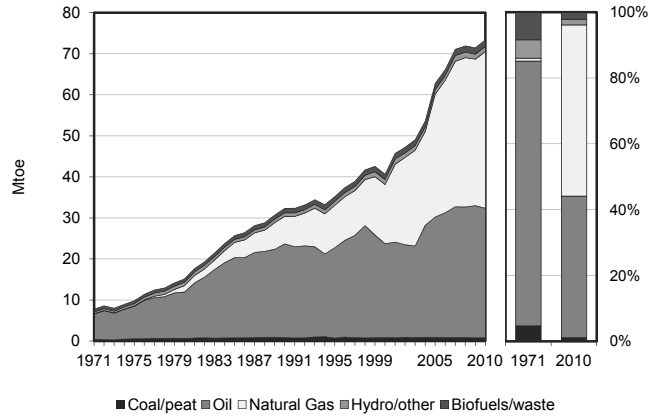


## Egypt

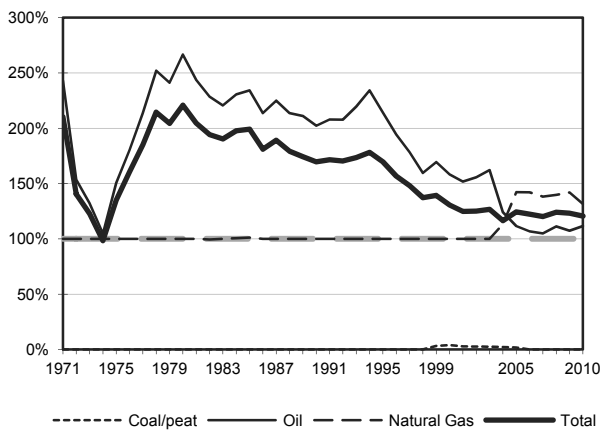
**Figure 1. Energy production**



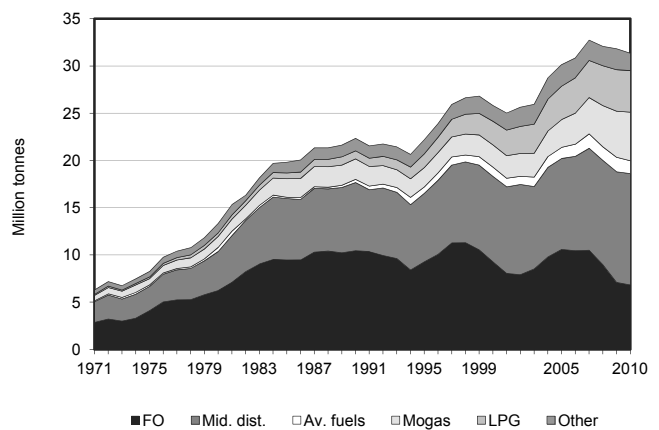
**Figure 2. Total primary energy supply\***



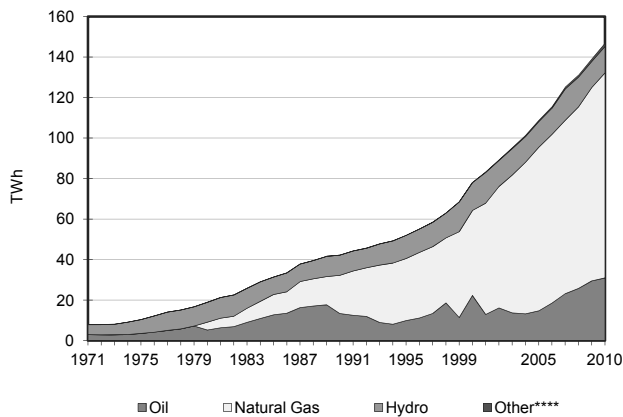
**Figure 3. Energy self-sufficiency\*\***



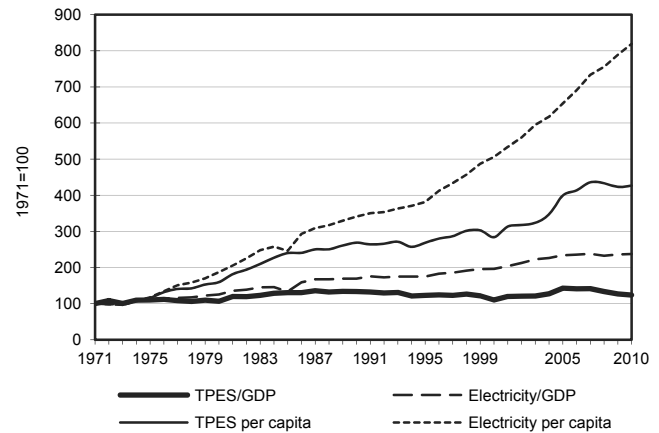
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Egypt

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	34531	-	50694	-	1106	97	1562	-	-	87990
Imports	1150	2561	6727	-	-	-	-	1	16	-	10455
Exports	-329	-5524	-4944	-14965	-	-	-	-23	-96	-	-25880
Intl. marine bunkers	-	-	-303	-	-	-	-	-	-	-	-303
Intl. aviation bunkers	-	-	-1012	-	-	-	-	-	-	-	-1012
Stock changes	-	-	140	-	-	-	-	-	-	-	140
<b>TPES</b>	<b>822</b>	<b>31568</b>	<b>608</b>	<b>35730</b>	-	<b>1106</b>	<b>97</b>	<b>1539</b>	<b>-80</b>	-	<b>71391</b>
Electricity and CHP plants	-	-	-5594	-20023	-	-1106	-97	-	11954	-	-14867
Oil refineries	-	-30247	29409	-	-	-	-	-	-	-	-838
Other transformation*	-433	-1321	649	-4651	-	-	-	0	-1648	-	-7405
<b>TFC</b>	<b>388</b>	-	<b>25072</b>	<b>11055</b>	-	-	-	<b>1539</b>	<b>10226</b>	-	<b>48281</b>
<b>INDUSTRY</b>	<b>380</b>	-	<b>2610</b>	<b>5008</b>	-	-	-	<b>786</b>	<b>3347</b>	-	<b>12131</b>
Iron and steel	380	-	-	-	-	-	-	-	-	-	380
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	2610	5008	-	-	-	786	3347	-	11751
<b>TRANSPORT</b>	-	-	<b>13309</b>	<b>359</b>	-	-	-	-	-	-	<b>13668</b>
Domestic aviation	-	-	622	-	-	-	-	-	-	-	622
Road	-	-	12278	359	-	-	-	-	-	-	12637
Other/non-specified	-	-	409	-	-	-	-	-	-	-	409
<b>OTHER</b>	<b>8</b>	-	<b>7245</b>	<b>805</b>	-	-	-	<b>754</b>	<b>6879</b>	-	<b>15690</b>
Residential	8	-	5042	805	-	-	-	754	4079	-	10687
Comm. and public services	-	-	-	-	-	-	-	-	1552	-	1552
Agriculture/forestry	-	-	2203	-	-	-	-	-	416	-	2619
Other/non-specified	-	-	-	-	-	-	-	-	832	-	832
<b>NON-ENERGY USE</b>	-	-	<b>1908</b>	<b>4883</b>	-	-	-	-	-	-	<b>6791</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	29547	95457	-	12863	1133	-	-	-	139000
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	35237	-	50302	-	1122	128	1589	-	-	88378
Imports	1126	2476	7096	-	-	-	-	1	13	-	10713
Exports	-322	-6933	-5248	-12110	-	-	-	-24	-137	-	-24774
Intl. marine bunkers	-	-	-430	-	-	-	-	-	-	-	-430
Intl. aviation bunkers	-	-	-861	-	-	-	-	-	-	-	-861
Stock changes	-	-	238	-	-	-	-	-	-	-	238
<b>TPES</b>	<b>804</b>	<b>30780</b>	<b>796</b>	<b>38192</b>	-	<b>1122</b>	<b>128</b>	<b>1567</b>	<b>-124</b>	-	<b>73264</b>
Electricity and CHP plants	-	-	-5115	-21244	-	-1122	-128	-	12624	-	-14984
Oil refineries	-	-29384	28752	-	-	-	-	-	-	-	-632
Other transformation*	-425	-1396	739	-5290	-	-	-	0	-1737	-	-8109
<b>TFC</b>	<b>379</b>	-	<b>25171</b>	<b>11658</b>	-	-	-	<b>1567</b>	<b>10764</b>	-	<b>49539</b>
<b>INDUSTRY</b>	<b>372</b>	-	<b>2814</b>	<b>5282</b>	-	-	-	<b>800</b>	<b>3500</b>	-	<b>12768</b>
Iron and steel	372	-	-	-	-	-	-	-	-	-	372
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	2814	5282	-	-	-	800	3500	-	12396
<b>TRANSPORT</b>	-	-	<b>12598</b>	<b>373</b>	-	-	-	-	-	-	<b>12971</b>
Domestic aviation	-	-	592	-	-	-	-	-	-	-	592
Road	-	-	11617	373	-	-	-	-	-	-	11990
Other/non-specified	-	-	389	-	-	-	-	-	-	-	389
<b>OTHER</b>	<b>8</b>	-	<b>8182</b>	<b>854</b>	-	-	-	<b>767</b>	<b>7263</b>	-	<b>17074</b>
Residential	8	-	5035	854	-	-	-	767	4418	-	11082
Comm. and public services	-	-	-	-	-	-	-	-	1378	-	1378
Agriculture/forestry	-	-	3147	-	-	-	-	-	424	-	3571
Other/non-specified	-	-	-	-	-	-	-	-	1044	-	1044
<b>NON-ENERGY USE</b>	-	-	<b>1577</b>	<b>5149</b>	-	-	-	-	-	-	<b>6726</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	30987	101277	-	13046	1485	-	-	-	146795
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## El Salvador

Figure 1. Energy production

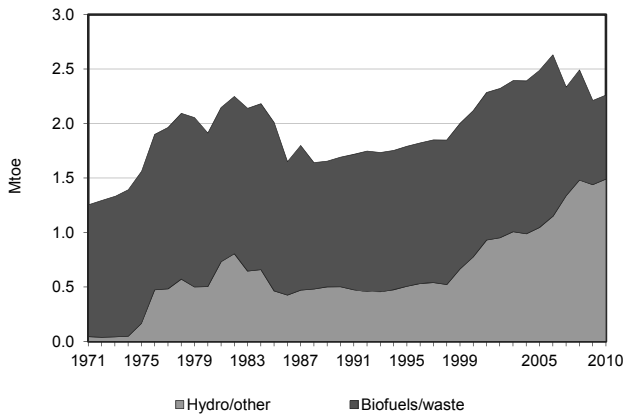


Figure 2. Total primary energy supply\*

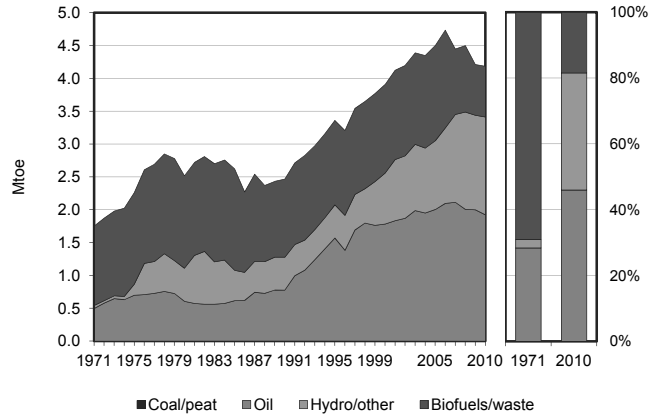


Figure 3. Energy self-sufficiency\*\*

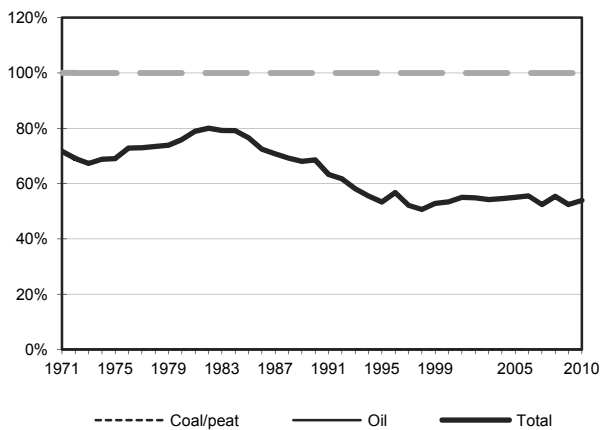


Figure 4. Oil products demand\*\*\*

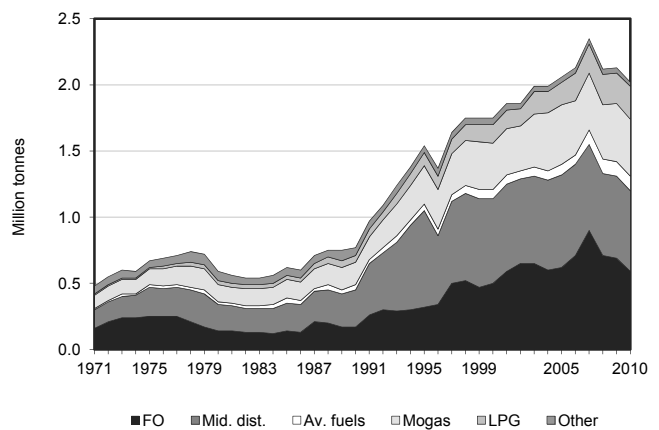


Figure 5. Electricity generation by fuel

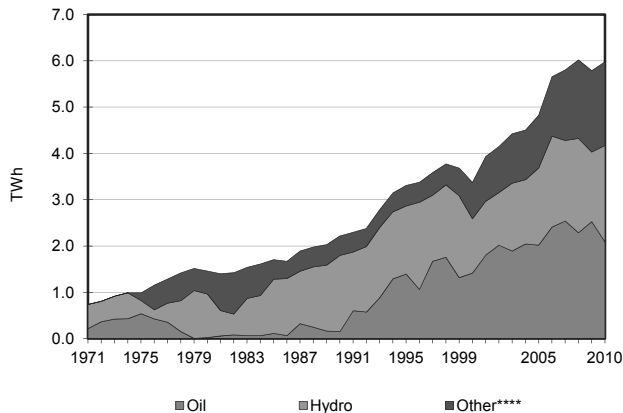
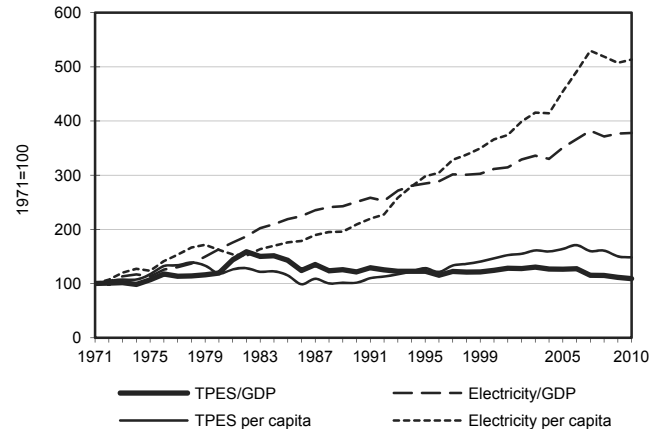


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## El Salvador

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	129	1310	773	-	-	2212
Imports	-	899	1302	-	-	-	-	-	18	-	2220
Exports	-	-	-101	-	-	-	-	-	-7	-	-108
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-118	-	-	-	-	-	-	-	-118
Stock changes	-	6	12	-	-	-	-	-	-	-	18
<b>TPES</b>	-	<b>905</b>	<b>1095</b>	-	-	<b>129</b>	<b>1310</b>	<b>773</b>	<b>11</b>	-	<b>4224</b>
Electricity and CHP plants	-	-	-499	-	-	-129	-1310	-139	498	-	-1579
Oil refineries	-	-905	887	-	-	-	-	-	-	-	-18
Other transformation*	-	-	72	-	-	-	-	-24	-85	-	-36
<b>TFC</b>	-	-	<b>1555</b>	-	-	-	-	<b>610</b>	<b>424</b>	-	<b>2589</b>
<b>INDUSTRY</b>	-	-	<b>463</b>	-	-	-	-	<b>160</b>	<b>190</b>	-	<b>813</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	463	-	-	-	-	160	190	-	813
<b>TRANSPORT</b>	-	-	<b>864</b>	-	-	-	-	-	-	-	<b>864</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	864	-	-	-	-	-	-	-	864
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>207</b>	-	-	-	-	<b>450</b>	<b>235</b>	-	<b>891</b>
Residential	-	-	202	-	-	-	-	407	141	-	749
Comm. and public services	-	-	5	-	-	-	-	43	51	-	99
Agriculture/forestry	-	-	-	-	-	-	-	-	7	-	7
Other/non-specified	-	-	-	-	-	-	-	-	37	-	37
<b>NON-ENERGY USE</b>	-	-	<b>21</b>	-	-	-	-	-	-	-	<b>21</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2527	-	-	1505	1524	232	-	-	5788
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	179	1311	771	-	-	2261
Imports	-	814	1323	-	-	-	-	-	15	-	2151
Exports	-	-	-123	-	-	-	-	-	-8	-	-130
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-115	-	-	-	-	-	-	-	-115
Stock changes	-	26	-1	-	-	-	-	-	-	-	25
<b>TPES</b>	-	<b>840</b>	<b>1084</b>	-	-	<b>179</b>	<b>1311</b>	<b>771</b>	<b>7</b>	-	<b>4192</b>
Electricity and CHP plants	-	-	-416	-	-	-179	-1311	-137	514	-	-1529
Oil refineries	-	-840	805	-	-	-	-	-	-	-	-35
Other transformation*	-	-	55	-	-	-	-	-24	-90	-	-59
<b>TFC</b>	-	-	<b>1528</b>	-	-	-	-	<b>610</b>	<b>432</b>	-	<b>2570</b>
<b>INDUSTRY</b>	-	-	<b>428</b>	-	-	-	-	<b>158</b>	<b>190</b>	-	<b>776</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	428	-	-	-	-	158	190	-	776
<b>TRANSPORT</b>	-	-	<b>857</b>	-	-	-	-	-	-	-	<b>857</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	857	-	-	-	-	-	-	-	857
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>231</b>	-	-	-	-	<b>452</b>	<b>243</b>	-	<b>925</b>
Residential	-	-	215	-	-	-	-	409	141	-	764
Comm. and public services	-	-	16	-	-	-	-	43	51	-	110
Agriculture/forestry	-	-	-	-	-	-	-	-	7	-	7
Other/non-specified	-	-	-	-	-	-	-	-	44	-	44
<b>NON-ENERGY USE</b>	-	-	<b>11</b>	-	-	-	-	-	-	-	<b>11</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2088	-	-	2084	1525	283	-	-	5980
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Eritrea

Figure 1. Energy production

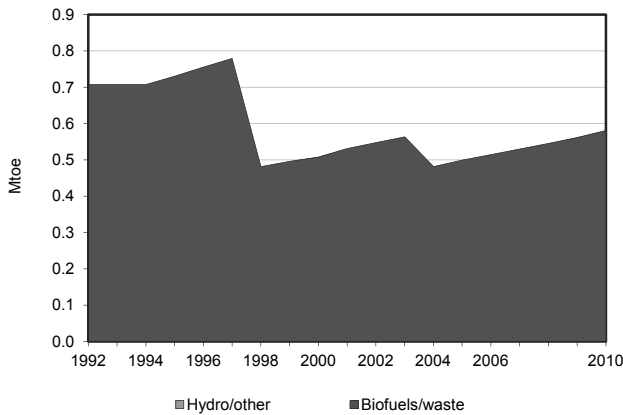


Figure 2. Total primary energy supply\*

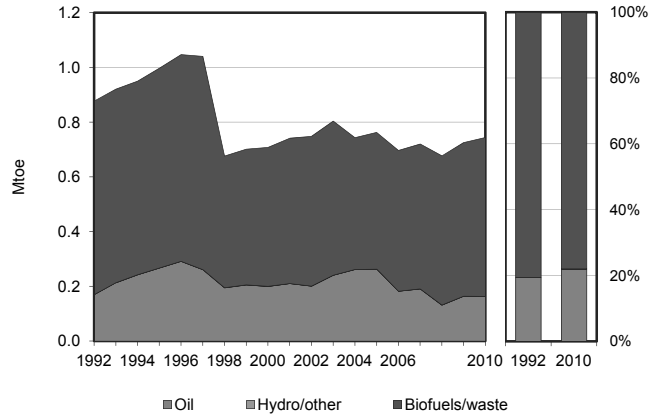


Figure 3. Energy self-sufficiency\*\*

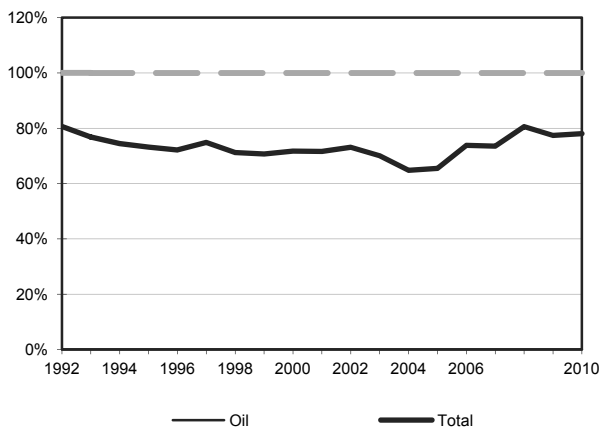


Figure 4. Oil products demand\*\*\*

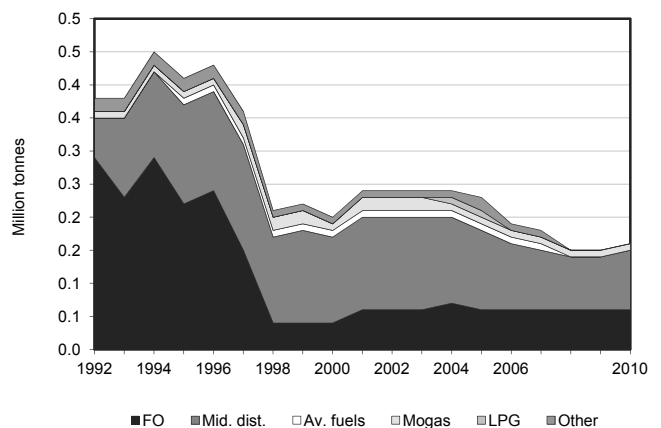


Figure 5. Electricity generation by fuel

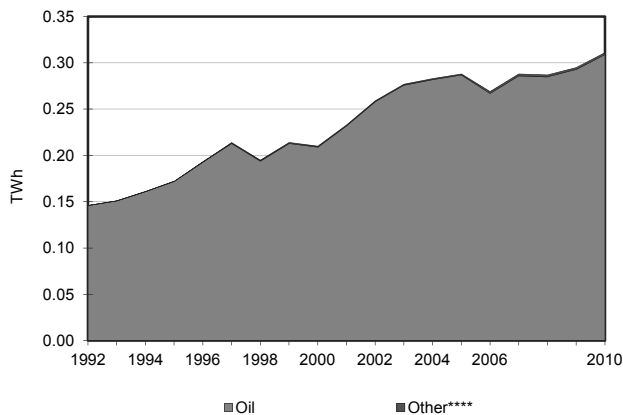
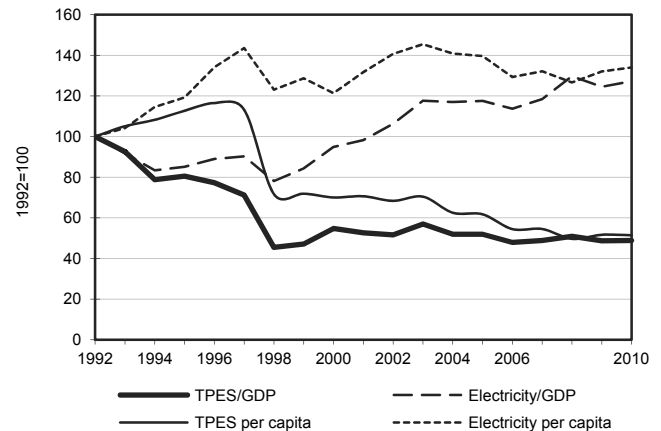


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Eritrea

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	0	561	-	-	562
Imports	-	-	159	-	-	-	-	-	-	-	159
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-1	-	-	-	-	-	-	-	-1
Stock changes	-	-	7	-	-	-	-	-	-	-	7
<b>TPES</b>	-	-	<b>164</b>	-	-	-	<b>0</b>	<b>561</b>	-	-	<b>726</b>
Electricity and CHP plants	-	-	-62	-	-	-	-0	-	25	-	-37
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-11	-	-	-	-	-175	-5	-	-190
<b>TFC</b>	-	-	<b>91</b>	-	-	-	-	<b>387</b>	<b>21</b>	-	<b>498</b>
<b>INDUSTRY</b>	-	-	<b>8</b>	-	-	-	-	-	<b>6</b>	-	<b>13</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	8	-	-	-	-	-	6	-	13
<b>TRANSPORT</b>	-	-	<b>37</b>	-	-	-	-	-	-	-	<b>37</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	37	-	-	-	-	-	-	-	37
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>44</b>	-	-	-	-	<b>387</b>	<b>15</b>	-	<b>446</b>
Residential	-	-	18	-	-	-	-	370	9	-	397
Comm. and public services	-	-	26	-	-	-	-	17	6	-	48
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>2</b>	-	-	-	-	-	-	-	<b>2</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	293	-	-	-	2	-	-	-	295
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	0	581	-	-	581
Imports	-	-	160	-	-	-	-	-	-	-	160
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-1	-	-	-	-	-	-	-	-1
Stock changes	-	-	4	-	-	-	-	-	-	-	4
<b>TPES</b>	-	-	<b>164</b>	-	-	-	<b>0</b>	<b>581</b>	-	-	<b>745</b>
Electricity and CHP plants	-	-	-63	-	-	-	-0	-	27	-	-37
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-3	-	-	-	-	-185	-5	-	-193
<b>TFC</b>	-	-	<b>97</b>	-	-	-	-	<b>396</b>	<b>22</b>	-	<b>515</b>
<b>INDUSTRY</b>	-	-	<b>6</b>	-	-	-	-	-	<b>6</b>	-	<b>11</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	6	-	-	-	-	-	6	-	11
<b>TRANSPORT</b>	-	-	<b>46</b>	-	-	-	-	-	-	-	<b>46</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	46	-	-	-	-	-	-	-	46
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>44</b>	-	-	-	-	<b>396</b>	<b>17</b>	-	<b>456</b>
Residential	-	-	16	-	-	-	-	379	10	-	404
Comm. and public services	-	-	28	-	-	-	-	17	7	-	52
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>2</b>	-	-	-	-	-	-	-	<b>2</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	309	-	-	-	2	-	-	-	311
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Ethiopia

Figure 1. Energy production

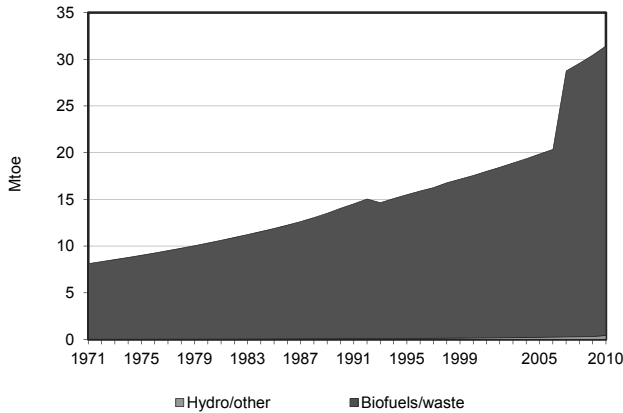


Figure 2. Total primary energy supply\*

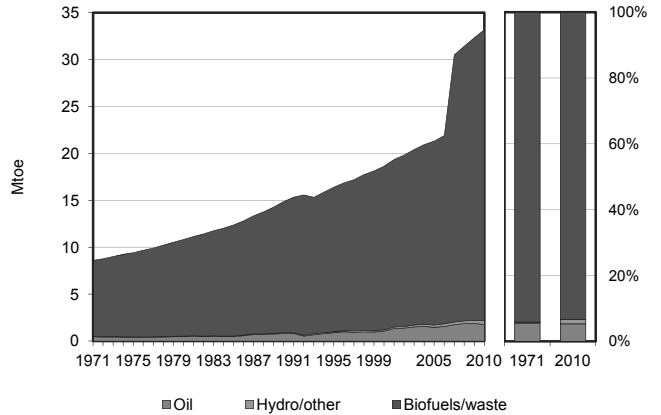


Figure 3. Energy self-sufficiency\*\*

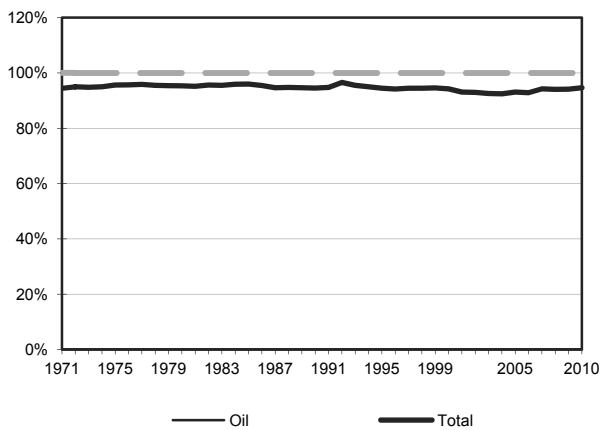


Figure 4. Oil products demand\*\*\*

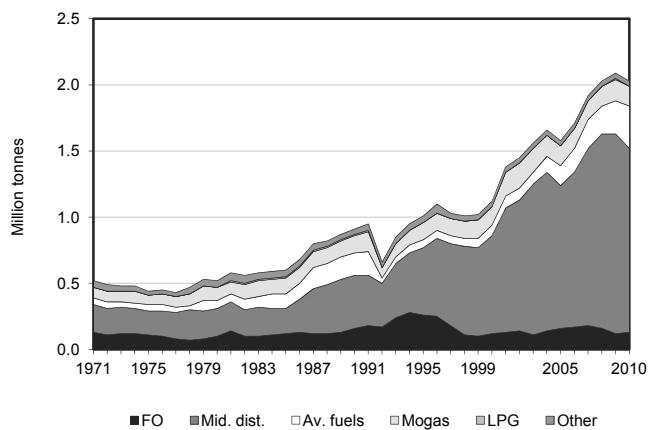


Figure 5. Electricity generation by fuel

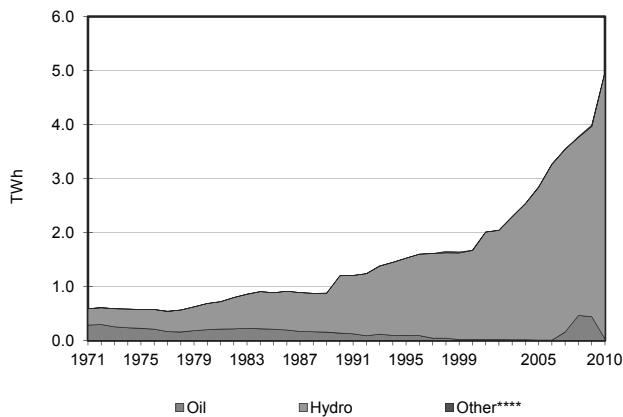
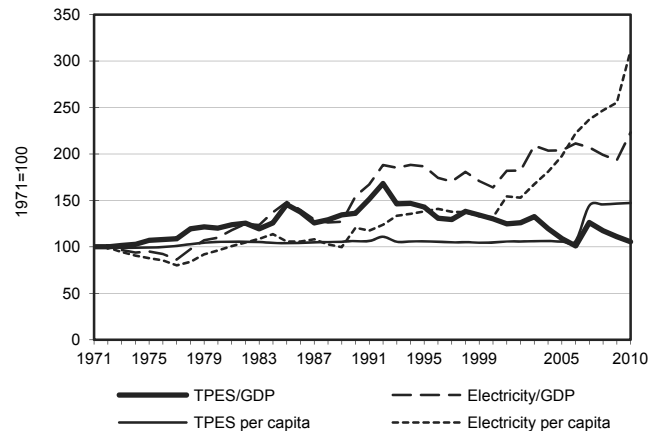


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Ethiopia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	303	21	30126	-	-	30450
Imports	-	-	2160	-	-	-	-	-	-	-	2160
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-264	-	-	-	-	-	-	-	-264
Stock changes	-	-	-0	-	-	-	-	-	-	-	-0
<b>TPES</b>	-	-	<b>1895</b>	-	-	<b>303</b>	<b>21</b>	<b>30126</b>	-	-	<b>32345</b>
Electricity and CHP plants	-	-	-158	-	-	-303	-21	-	343	-	-139
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-1698	-64	-	-1762
<b>TFC</b>	-	-	<b>1737</b>	-	-	-	-	<b>28428</b>	<b>280</b>	-	<b>30445</b>
<b>INDUSTRY</b>	-	-	<b>380</b>	-	-	-	-	-	<b>105</b>	-	<b>485</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	380	-	-	-	-	-	105	-	485
<b>TRANSPORT</b>	-	-	<b>862</b>	-	-	-	-	-	-	-	<b>862</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	862	-	-	-	-	-	-	-	862
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>457</b>	-	-	-	-	<b>28428</b>	<b>175</b>	-	<b>29060</b>
Residential	-	-	278	-	-	-	-	28217	102	-	28598
Comm. and public services	-	-	30	-	-	-	-	211	70	-	311
Agriculture/forestry	-	-	74	-	-	-	-	-	-	-	74
Other/non-specified	-	-	74	-	-	-	-	-	2	-	77
<b>NON-ENERGY USE</b>	-	-	<b>37</b>	-	-	-	-	-	-	-	<b>37</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	444	-	-	3524	24	-	-	-	3992
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	424	15	30992	-	-	31431
Imports	-	-	2121	-	-	-	-	-	-	-	2121
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-341	-	-	-	-	-	-	-	-341
Stock changes	-	-	-10	-	-	-	-	-	-	-	-10
<b>TPES</b>	-	-	<b>1770</b>	-	-	<b>424</b>	<b>15</b>	<b>30992</b>	-	-	<b>33202</b>
Electricity and CHP plants	-	-	-11	-	-	-424	-15	-	428	-	-23
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	2	-	-	-	-	-1759	-98	-	-1855
<b>TFC</b>	-	-	<b>1761</b>	-	-	-	-	<b>29233</b>	<b>330</b>	-	<b>31324</b>
<b>INDUSTRY</b>	-	-	<b>405</b>	-	-	-	-	-	<b>120</b>	-	<b>525</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	405	-	-	-	-	-	120	-	525
<b>TRANSPORT</b>	-	-	<b>880</b>	-	-	-	-	-	-	-	<b>880</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	880	-	-	-	-	-	-	-	880
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>438</b>	-	-	-	-	<b>29233</b>	<b>210</b>	-	<b>29881</b>
Residential	-	-	250	-	-	-	-	29012	127	-	29389
Comm. and public services	-	-	32	-	-	-	-	220	81	-	333
Agriculture/forestry	-	-	78	-	-	-	-	-	-	-	78
Other/non-specified	-	-	79	-	-	-	-	-	3	-	81
<b>NON-ENERGY USE</b>	-	-	<b>37</b>	-	-	-	-	-	-	-	<b>37</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	31	-	-	4931	18	-	-	-	4980
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.



Gabon

Figure 1. Energy production

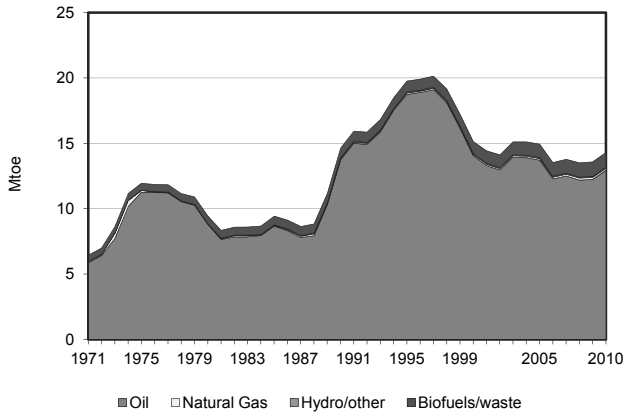


Figure 2. Total primary energy supply\*

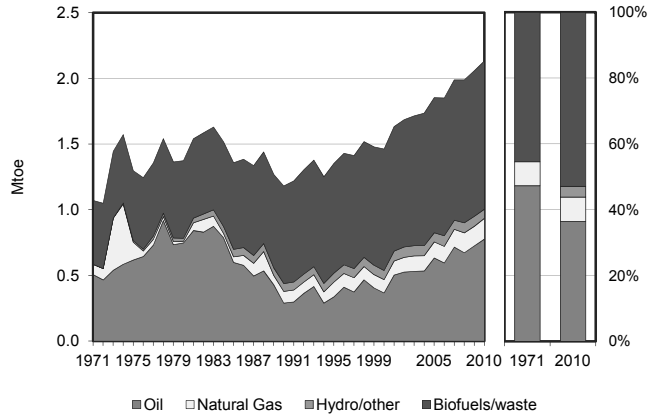


Figure 3. Energy self-sufficiency\*\*

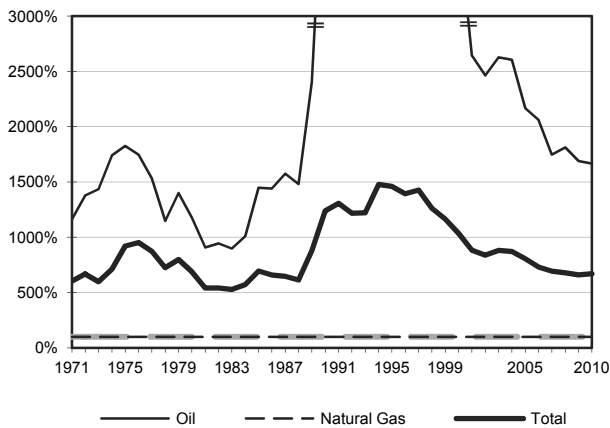


Figure 4. Oil products demand\*\*\*

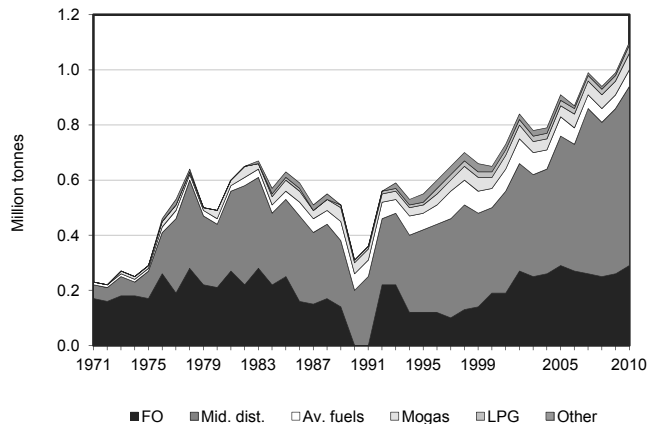


Figure 5. Electricity generation by fuel

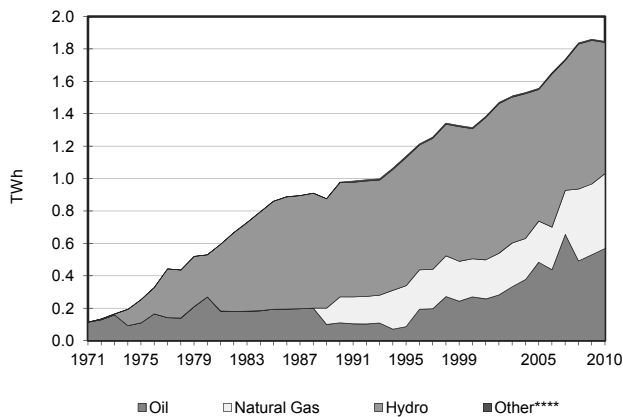
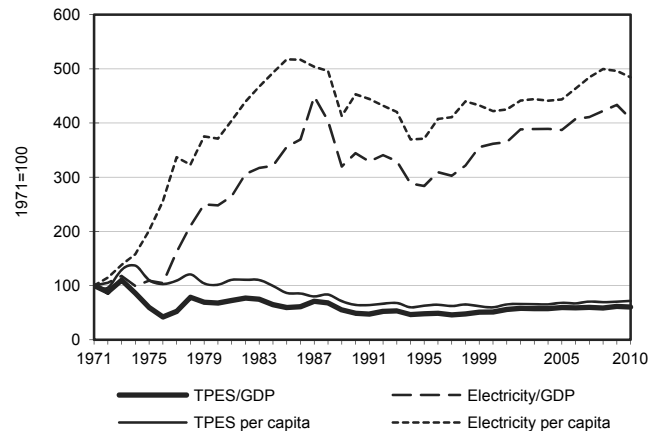


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 3000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Gabon

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	12252	-	150	-	76	-	1109	-	-	13587
Imports	-	-	208	-	-	-	-	-	-	-	208
Exports	-	-10777	-373	-	-	-	-	-	-	-	-11150
Intl. marine bunkers	-	-	-255	-	-	-	-	-	-	-	-255
Intl. aviation bunkers	-	-	-57	-	-	-	-	-	-	-	-57
Stock changes	-	-583	310	-	-	-	-	-	-	-	-274
<b>TPES</b>	-	<b>892</b>	<b>-167</b>	<b>150</b>	-	<b>76</b>	-	<b>1109</b>	-	-	<b>2060</b>
Electricity and CHP plants	-	-	-113	-135	-	-76	-	-6	160	-	-170
Oil refineries	-	-892	871	-	-	-	-	-	-	-	-21
Other transformation*	-	-	-	-13	-	-	-	-	-40	-	-53
<b>TFC</b>	-	-	<b>592</b>	<b>2</b>	-	-	-	<b>1103</b>	<b>120</b>	-	<b>1816</b>
<b>INDUSTRY</b>	-	-	<b>303</b>	<b>2</b>	-	-	-	<b>215</b>	<b>32</b>	-	<b>553</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	0	-	0
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	303	2	-	-	-	215	32	-	553
<b>TRANSPORT</b>	-	-	<b>185</b>	-	-	-	-	-	<b>1</b>	-	<b>185</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	185	-	-	-	-	-	-	-	185
Other/non-specified	-	-	-	-	-	-	-	-	1	-	1
<b>OTHER</b>	-	-	<b>92</b>	-	-	-	-	<b>887</b>	<b>87</b>	-	<b>1067</b>
Residential	-	-	47	-	-	-	-	887	63	-	997
Comm. and public services	-	-	32	-	-	-	-	-	18	-	50
Agriculture/forestry	-	-	13	-	-	-	-	-	-	-	13
Other/non-specified	-	-	-	-	-	-	-	-	7	-	7
<b>NON-ENERGY USE</b>	-	-	<b>11</b>	-	-	-	-	-	-	-	<b>11</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	530	437	-	886	-	7	-	-	1860
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

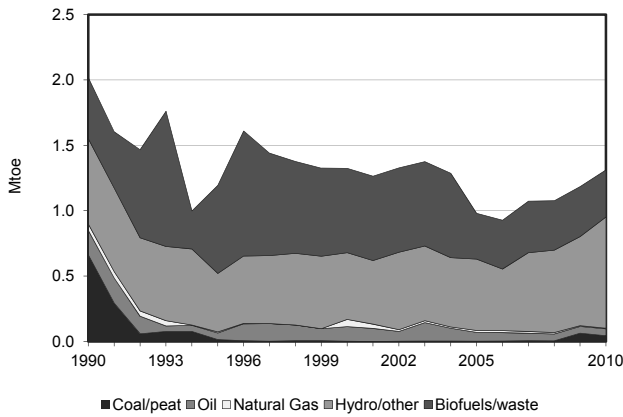
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	12946	-	158	-	70	-	1129	-	-	14303
Imports	-	-	220	-	-	-	-	-	-	-	220
Exports	-	-12375	-399	-	-	-	-	-	-	-	-12773
Intl. marine bunkers	-	-	-293	-	-	-	-	-	-	-	-293
Intl. aviation bunkers	-	-	-61	-	-	-	-	-	-	-	-61
Stock changes	-	384	355	-	-	-	-	-	-	-	739
<b>TPES</b>	-	<b>955</b>	<b>-178</b>	<b>158</b>	-	<b>70</b>	-	<b>1129</b>	-	-	<b>2134</b>
Electricity and CHP plants	-	-	-121	-142	-	-70	-	-6	159	-	-180
Oil refineries	-	-955	933	-	-	-	-	-	-	-	-22
Other transformation*	-	-	-	-14	-	-	-	-	-39	-	-53
<b>TFC</b>	-	-	<b>634</b>	<b>2</b>	-	-	-	<b>1123</b>	<b>119</b>	-	<b>1878</b>
<b>INDUSTRY</b>	-	-	<b>326</b>	<b>2</b>	-	-	-	<b>219</b>	<b>32</b>	-	<b>579</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	0	-	0
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	326	2	-	-	-	219	32	-	579
<b>TRANSPORT</b>	-	-	<b>199</b>	-	-	-	-	-	<b>1</b>	-	<b>199</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	199	-	-	-	-	-	-	-	199
Other/non-specified	-	-	-	-	-	-	-	-	1	-	1
<b>OTHER</b>	-	-	<b>99</b>	-	-	-	-	<b>903</b>	<b>87</b>	-	<b>1089</b>
Residential	-	-	50	-	-	-	-	903	62	-	1016
Comm. and public services	-	-	34	-	-	-	-	-	18	-	52
Agriculture/forestry	-	-	14	-	-	-	-	-	-	-	14
Other/non-specified	-	-	-	-	-	-	-	-	7	-	7
<b>NON-ENERGY USE</b>	-	-	<b>11</b>	-	-	-	-	-	-	-	<b>11</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	569	462	-	809	-	7	-	-	1847
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

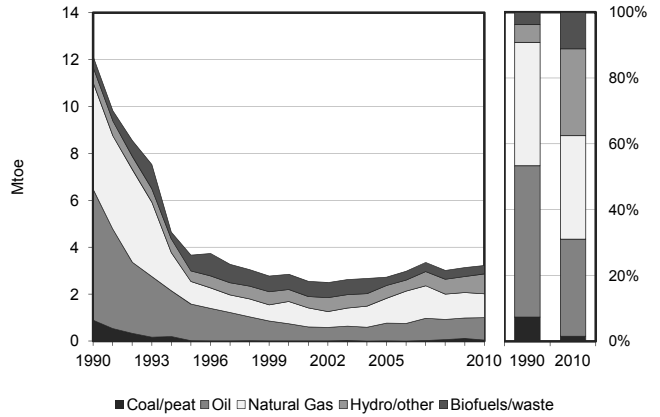
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Georgia

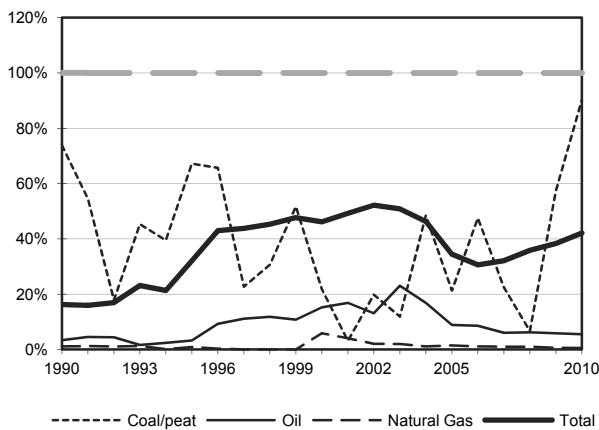
**Figure 1. Energy production**



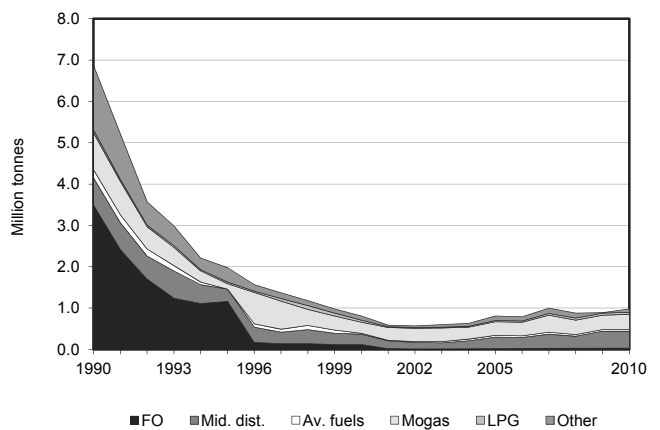
**Figure 2. Total primary energy supply\***



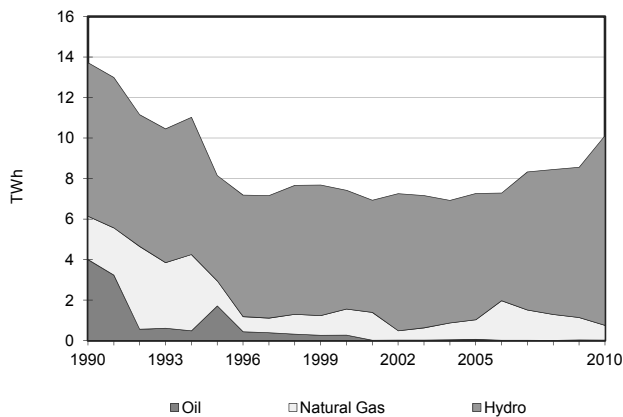
**Figure 3. Energy self-sufficiency\*\***



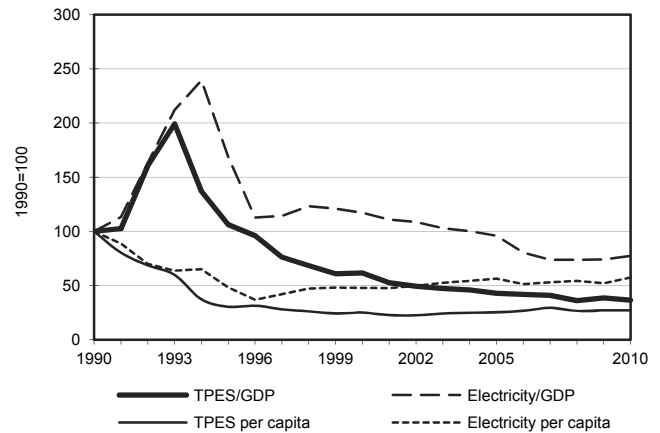
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Georgia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	64	51	-	6	-	637	44	382	-	-	1185
Imports	55	5	903	1080	-	-	-	-	22	-	2064
Exports	-8	-41	-	-	-	-	-	-	-64	-	-112
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-41	-	-	-	-	-	-	-	-41
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>111</b>	<b>15</b>	<b>861</b>	<b>1086</b>	-	<b>637</b>	<b>44</b>	<b>382</b>	<b>-42</b>	-	<b>3096</b>
Electricity and CHP plants	-	-	-67	-410	-	-637	-	-	736	43	-336
Oil refineries	-	-15	12	-	-	-	-	-	-	-	-3
Other transformation*	5	-	-5	-135	-	-	-	-	-190	-3	-328
<b>TFC</b>	<b>116</b>	-	<b>802</b>	<b>541</b>	-	-	<b>44</b>	<b>382</b>	<b>504</b>	<b>40</b>	<b>2429</b>
<b>INDUSTRY</b>	<b>30</b>	-	<b>29</b>	<b>181</b>	-	-	-	-	<b>113</b>	<b>21</b>	<b>373</b>
Iron and steel	-	-	-	38	-	-	-	-	48	4	90
Chemical and petrochemical	-	-	-	62	-	-	-	-	8	15	85
Non-metallic minerals	-	-	-	31	-	-	-	-	26	2	59
Other/non-specified	30	-	29	49	-	-	-	-	31	-	139
<b>TRANSPORT</b>	<b>24</b>	-	<b>677</b>	<b>21</b>	-	-	-	-	<b>57</b>	-	<b>778</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	677	10	-	-	-	-	-	-	687
Other/non-specified	24	-	-	11	-	-	-	-	57	-	91
<b>OTHER</b>	<b>63</b>	-	<b>89</b>	<b>266</b>	-	-	<b>44</b>	<b>382</b>	<b>334</b>	<b>19</b>	<b>1197</b>
Residential	8	-	89	201	-	-	38	330	251	10	926
Comm. and public services	36	-	-	16	-	-	6	38	66	2	164
Agriculture/forestry	11	-	-	37	-	-	-	-	18	7	73
Other/non-specified	8	-	-	13	-	-	-	14	-	-	34
<b>NON-ENERGY USE</b>	-	-	<b>7</b>	<b>73</b>	-	-	-	-	-	-	<b>81</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	39	1107	-	7412	-	-	-	-	8558
Heat generated - TJ	-	-	-	1794	-	-	-	-	-	-	1794

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	44	52	-	5	-	806	46	359	-	-	1312
Imports	5	6	994	1009	-	-	-	-	20	-	2034
Exports	-	-56	-	-	-	-	-	-	-128	-	-185
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-41	-	-	-	-	-	-	-	-41
Stock changes	-	-2	-	-	-	-	-	-	-	-	-2
<b>TPES</b>	<b>49</b>	-	<b>952</b>	<b>1015</b>	-	<b>806</b>	<b>46</b>	<b>359</b>	<b>-108</b>	-	<b>3118</b>
Electricity and CHP plants	-	-	-55	-277	-	-806	-	-	871	46	-221
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-13	-	-	-130	-	-	-	-	-136	-4	-282
<b>TFC</b>	<b>36</b>	-	<b>898</b>	<b>608</b>	-	-	<b>46</b>	<b>359</b>	<b>627</b>	<b>42</b>	<b>2615</b>
<b>INDUSTRY</b>	<b>12</b>	-	<b>24</b>	<b>193</b>	-	-	-	-	<b>184</b>	<b>20</b>	<b>433</b>
Iron and steel	5	-	-	41	-	-	-	-	59	4	109
Chemical and petrochemical	2	-	-	59	-	-	-	-	10	15	86
Non-metallic minerals	-	-	-	36	-	-	-	-	38	2	76
Other/non-specified	5	-	24	56	-	-	-	-	77	0	162
<b>TRANSPORT</b>	<b>12</b>	-	<b>673</b>	<b>17</b>	-	-	-	-	<b>53</b>	-	<b>756</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	673	11	-	-	-	-	-	-	684
Other/non-specified	12	-	-	6	-	-	-	-	53	-	72
<b>OTHER</b>	<b>12</b>	-	<b>125</b>	<b>325</b>	-	-	<b>46</b>	<b>359</b>	<b>390</b>	<b>21</b>	<b>1278</b>
Residential	-	-	84	263	-	-	40	312	326	10	1035
Comm. and public services	-	-	-	19	-	-	6	31	44	5	105
Agriculture/forestry	8	-	31	35	-	-	-	-	20	6	100
Other/non-specified	5	-	10	8	-	-	-	16	-	-	38
<b>NON-ENERGY USE</b>	-	-	<b>75</b>	<b>74</b>	-	-	-	-	-	-	<b>149</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	32	725	-	9367	-	-	-	-	10124
Heat generated - TJ	-	-	-	1920	-	-	-	-	-	-	1920

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Ghana

Figure 1. Energy production

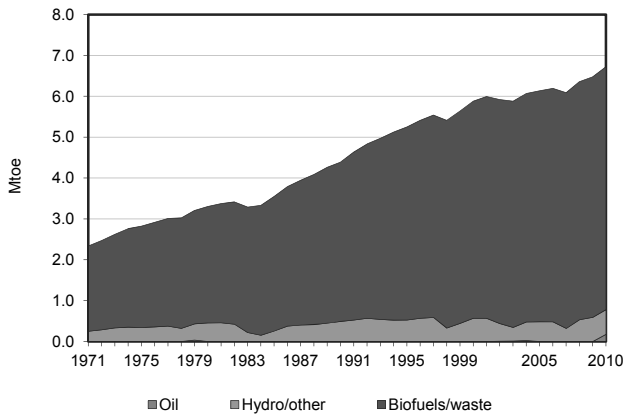


Figure 2. Total primary energy supply\*

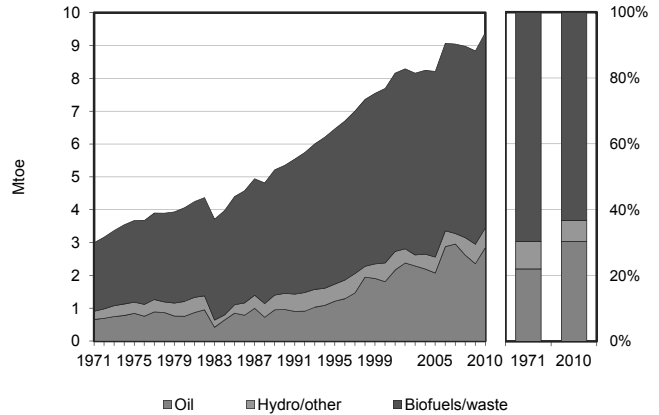


Figure 3. Energy self-sufficiency\*\*

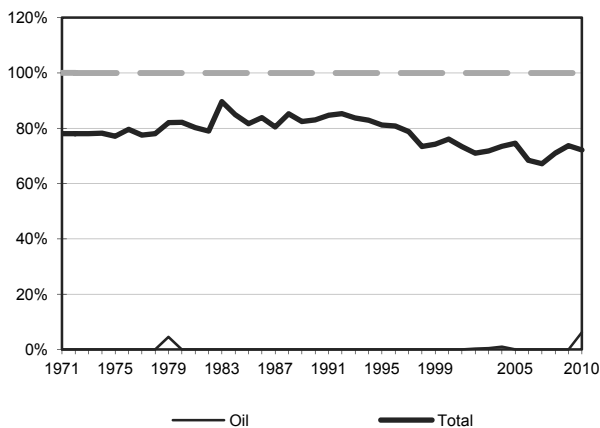


Figure 4. Oil products demand\*\*\*

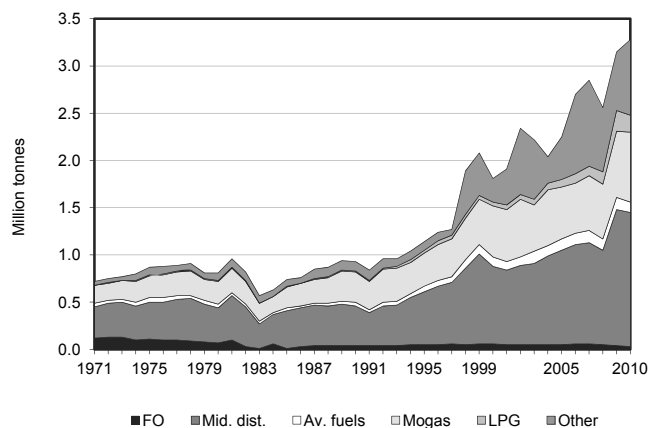


Figure 5. Electricity generation by fuel

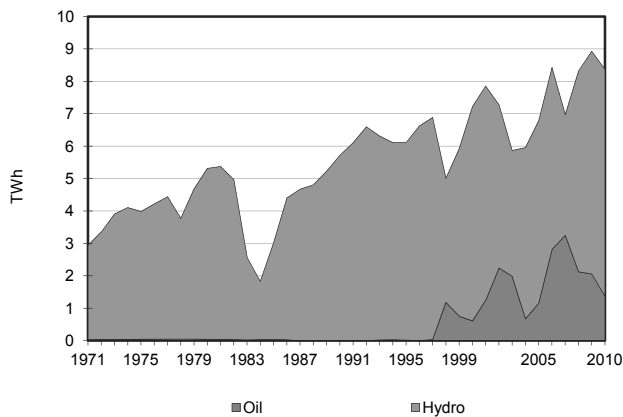
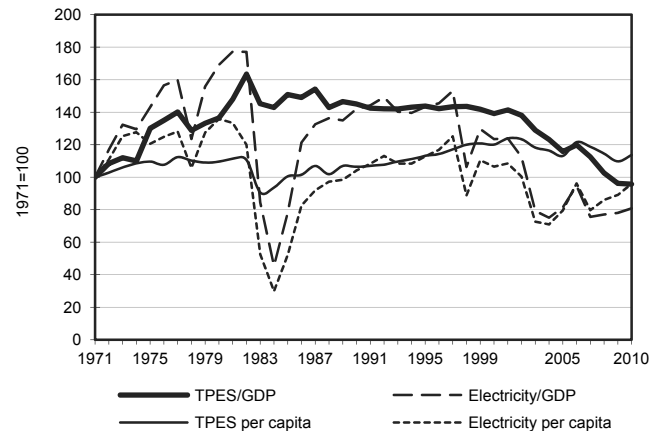


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Ghana

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	591	-	5888	-	-	6479
Imports	-	999	2000	-	-	-	-	-	17	-	3016
Exports	-	-	-426	-	-	-	-	-	-65	-	-490
Intl. marine bunkers	-	-	-77	-	-	-	-	-	-	-	-77
Intl. aviation bunkers	-	-	-139	-	-	-	-	-	-	-	-139
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>999</b>	<b>1360</b>	-	-	<b>591</b>	-	<b>5888</b>	<b>-48</b>	-	<b>8790</b>
Electricity and CHP plants	-	-550	-	-	-	-591	-	-	770	-	-371
Oil refineries	-	-449	358	-	-	-	-	-	-	-	-91
Other transformation*	-	-	797	-	-	-	-	-1496	-187	-	-887
<b>TFC</b>	-	-	<b>2514</b>	-	-	-	-	<b>4391</b>	<b>535</b>	-	<b>7441</b>
<b>INDUSTRY</b>	-	-	<b>436</b>	-	-	-	-	<b>1020</b>	<b>251</b>	-	<b>1707</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	436	-	-	-	-	1020	251	-	1707
<b>TRANSPORT</b>	-	-	<b>1614</b>	-	-	-	-	-	-	-	<b>1614</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1487	-	-	-	-	-	-	-	1487
Other/non-specified	-	-	127	-	-	-	-	-	-	-	127
<b>OTHER</b>	-	-	<b>403</b>	-	-	-	-	<b>3371</b>	<b>284</b>	-	<b>4059</b>
Residential	-	-	271	-	-	-	-	3240	208	-	3719
Comm. and public services	-	-	45	-	-	-	-	127	76	-	248
Agriculture/forestry	-	-	87	-	-	-	-	4	-	-	91
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>61</b>	-	-	-	-	-	-	-	<b>61</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2058	-	-	6877	-	-	-	-	8935
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

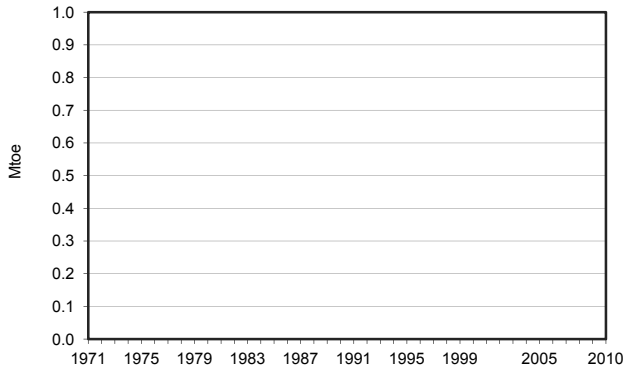
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	177	-	-	-	602	-	5948	-	-	6727
Imports	-	1632	1746	-	-	-	-	-	9	-	3387
Exports	-	-	-482	-	-	-	-	-	-89	-	-571
Intl. marine bunkers	-	-	-99	-	-	-	-	-	-	-	-99
Intl. aviation bunkers	-	-	-120	-	-	-	-	-	-	-	-120
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>1809</b>	<b>1044</b>	-	-	<b>602</b>	-	<b>5948</b>	<b>-80</b>	-	<b>9322</b>
Electricity and CHP plants	-	-714	-	-	-	-602	-	-	874	-	-441
Oil refineries	-	-1095	1029	-	-	-	-	-	-	-	-67
Other transformation*	-	-	380	-	-	-	-	-1512	-204	-	-1336
<b>TFC</b>	-	-	<b>2452</b>	-	-	-	-	<b>4437</b>	<b>590</b>	-	<b>7478</b>
<b>INDUSTRY</b>	-	-	<b>417</b>	-	-	-	-	<b>1031</b>	<b>271</b>	-	<b>1719</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	417	-	-	-	-	1031	271	-	1719
<b>TRANSPORT</b>	-	-	<b>1647</b>	-	-	-	-	-	-	-	<b>1647</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1519	-	-	-	-	-	-	-	1519
Other/non-specified	-	-	128	-	-	-	-	-	-	-	128
<b>OTHER</b>	-	-	<b>326</b>	-	-	-	-	<b>3406</b>	<b>319</b>	-	<b>4051</b>
Residential	-	-	197	-	-	-	-	3273	235	-	3706
Comm. and public services	-	-	40	-	-	-	-	128	83	-	251
Agriculture/forestry	-	-	89	-	-	-	-	4	-	-	93
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>61</b>	-	-	-	-	-	-	-	<b>61</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1370	-	-	6995	-	-	-	-	8365
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

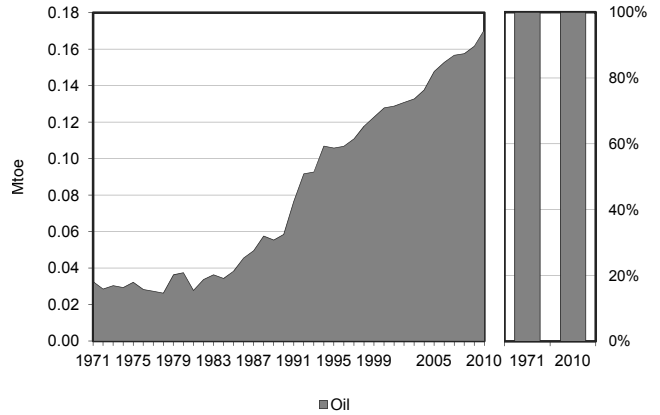
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Gibraltar

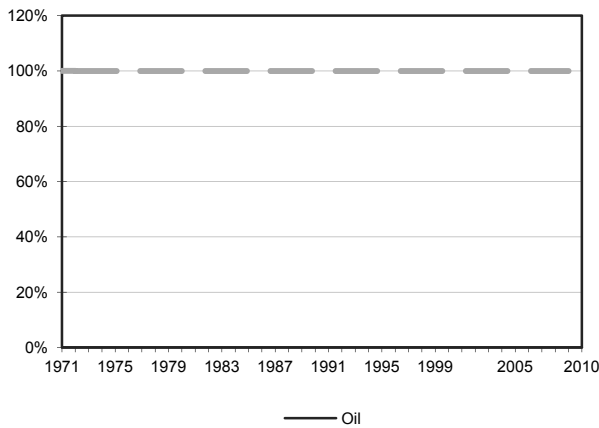
**Figure 1. Energy production**



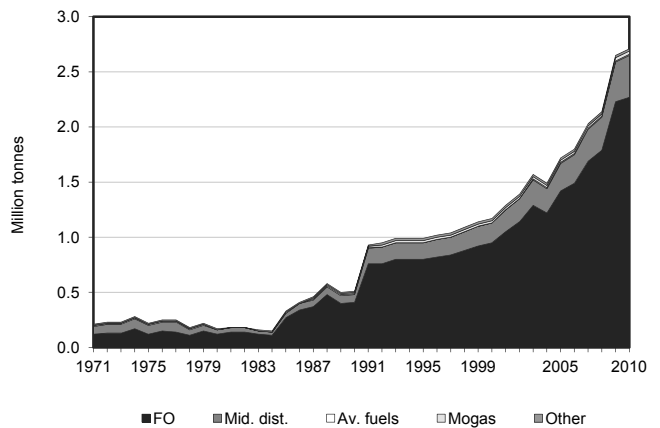
**Figure 2. Total primary energy supply\***



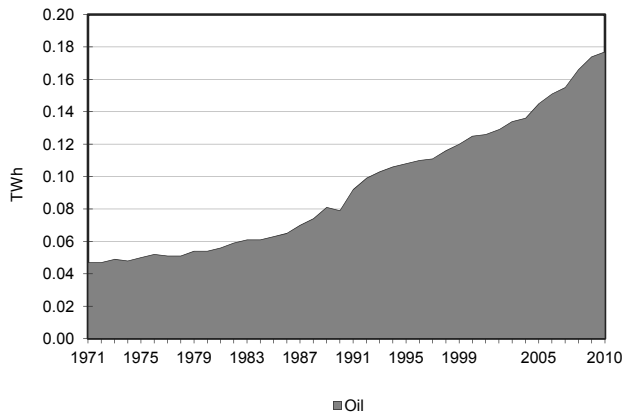
**Figure 3. Energy self-sufficiency\*\***



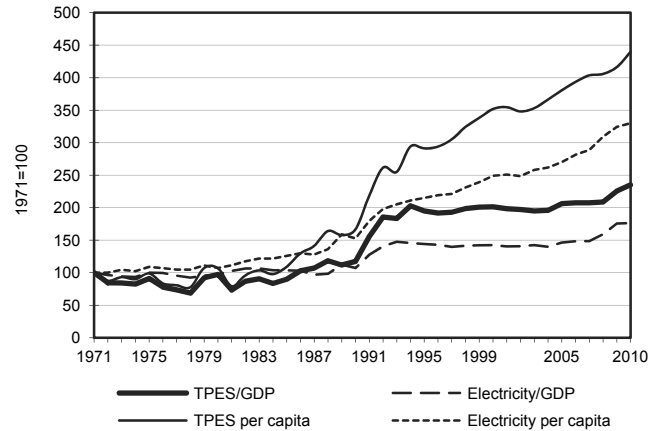
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Gibraltar

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	2551	-	-	-	-	-	-	-	2551
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-2384	-	-	-	-	-	-	-	-2384
Intl. aviation bunkers	-	-	-6	-	-	-	-	-	-	-	-6
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>162</b>	-	-	-	-	-	-	-	<b>162</b>
Electricity and CHP plants	-	-	-41	-	-	-	-	-	15	-	-26
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-1	-	-1
<b>TFC</b>	-	-	<b>121</b>	-	-	-	-	-	<b>14</b>	-	<b>135</b>
<b>INDUSTRY</b>	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>TRANSPORT</b>	-	-	<b>100</b>	-	-	-	-	-	-	-	<b>100</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	100	-	-	-	-	-	-	-	100
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	-	-	-	-	-	-	<b>14</b>	-	<b>14</b>
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	14	-	14
<b>NON-ENERGY USE</b>	-	-	<b>21</b>	-	-	-	-	-	-	-	<b>21</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	174	-	-	-	-	-	-	-	174
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	-	-	-	-
Imports	-	-	2608	-	-	-	-	-	-	-	2608
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-2432	-	-	-	-	-	-	-	-2432
Intl. aviation bunkers	-	-	-5	-	-	-	-	-	-	-	-5
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>171</b>	-	-	-	-	-	-	-	<b>171</b>
Electricity and CHP plants	-	-	-42	-	-	-	-	-	15	-	-27
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-1	-	-1
<b>TFC</b>	-	-	<b>129</b>	-	-	-	-	-	<b>14</b>	-	<b>143</b>
<b>INDUSTRY</b>	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>TRANSPORT</b>	-	-	<b>108</b>	-	-	-	-	-	-	-	<b>108</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	108	-	-	-	-	-	-	-	108
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	-	-	-	-	-	-	<b>14</b>	-	<b>14</b>
Residential	-	-	-	-	-	-	-	-	-	-	-
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	14	-	14
<b>NON-ENERGY USE</b>	-	-	<b>21</b>	-	-	-	-	-	-	-	<b>21</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	177	-	-	-	-	-	-	-	177
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.



## Guatemala

Figure 1. Energy production

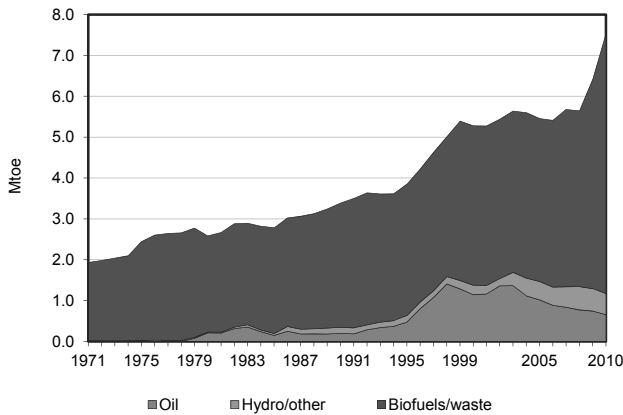


Figure 2. Total primary energy supply\*

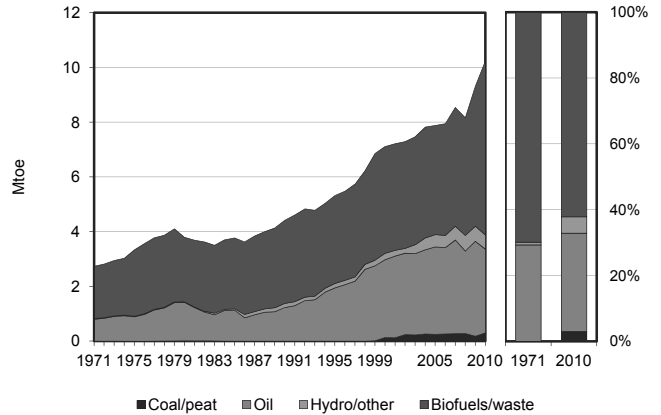


Figure 3. Energy self-sufficiency\*\*

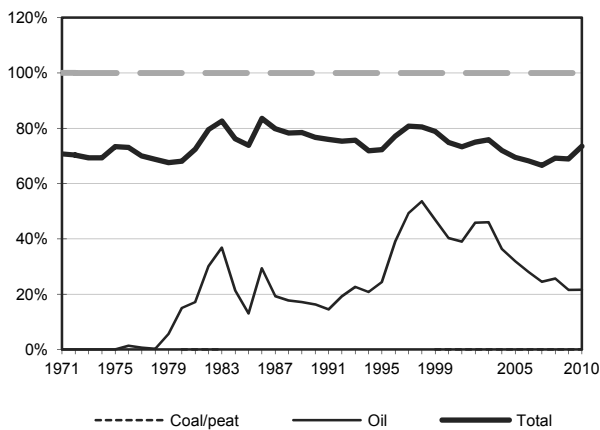


Figure 4. Oil products demand\*\*\*

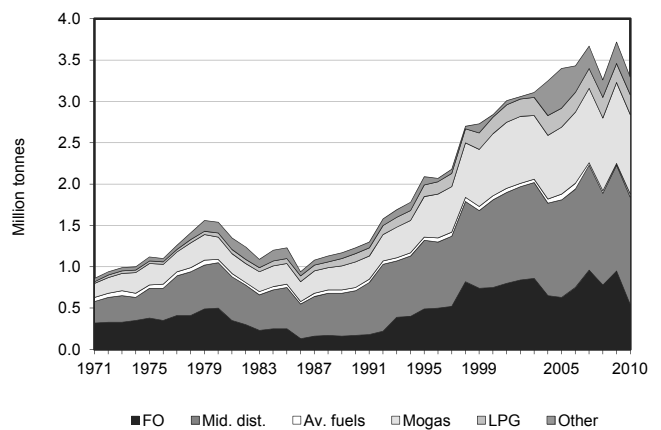


Figure 5. Electricity generation by fuel

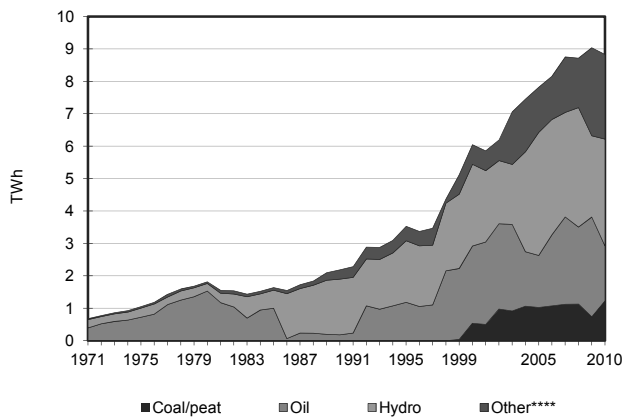
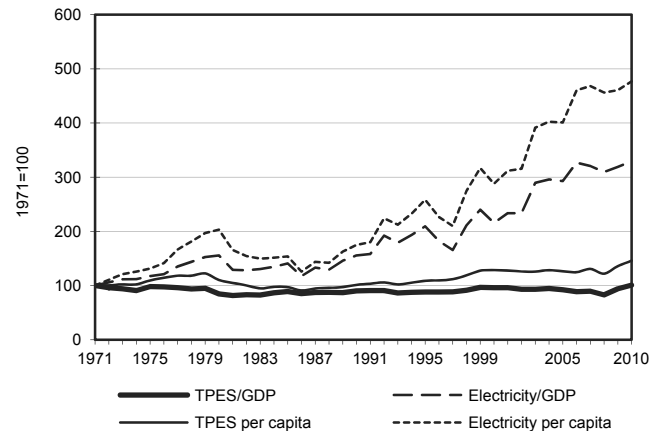


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Guatemala

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	746	-	-	-	216	332	5124	-	-	6418
Imports	213	-	3962	-	-	-	-	-	3	-	4178
Exports	-	-640	-179	-	-	-	-	-	-8	-	-827
Intl. marine bunkers	-	-	-281	-	-	-	-	-	-	-	-281
Intl. aviation bunkers	-	-	-25	-	-	-	-	-	-	-	-25
Stock changes	-31	-14	-100	-	-	-	-	-	-	-	-146
<b>TPES</b>	<b>181</b>	<b>92</b>	<b>3377</b>	-	-	<b>216</b>	<b>332</b>	<b>5124</b>	<b>-5</b>	-	<b>9318</b>
Electricity and CHP plants	-181	-	-767	-	-	-216	-332	-1201	777	-	-1920
Oil refineries	-	-92	87	-	-	-	-	-	-	-	-5
Other transformation*	-	-	-26	-	-	-	-	-126	-131	-	-282
<b>TFC</b>	-	-	<b>2671</b>	-	-	-	-	<b>3797</b>	<b>642</b>	-	<b>7111</b>
<b>INDUSTRY</b>	-	-	<b>521</b>	-	-	-	-	-	<b>259</b>	-	<b>780</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	521	-	-	-	-	-	259	-	780
<b>TRANSPORT</b>	-	-	<b>1879</b>	-	-	-	-	-	-	-	<b>1879</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1877	-	-	-	-	-	-	-	1877
Other/non-specified	-	-	2	-	-	-	-	-	-	-	2
<b>OTHER</b>	-	-	<b>214</b>	-	-	-	-	<b>3797</b>	<b>383</b>	-	<b>4394</b>
Residential	-	-	209	-	-	-	-	3674	210	-	4093
Comm. and public services	-	-	6	-	-	-	-	124	172	-	301
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>57</b>	-	-	-	-	-	-	-	<b>57</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	737	-	3078	-	-	2510	387	2327	-	-	9039
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	660	-	-	-	283	233	6359	-	-	7536
Imports	352	-	3441	-	-	-	-	-	31	-	3824
Exports	-	-563	-200	-	-	-	-	-	-12	-	-775
Intl. marine bunkers	-	-	-290	-	-	-	-	-	-	-	-290
Intl. aviation bunkers	-	-	-42	-	-	-	-	-	-	-	-42
Stock changes	-49	-22	73	-	-	-	-	-	-	-	2
<b>TPES</b>	<b>303</b>	<b>75</b>	<b>2983</b>	-	-	<b>283</b>	<b>233</b>	<b>6359</b>	<b>19</b>	-	<b>10256</b>
Electricity and CHP plants	-303	-	-421	-	-	-283	-233	-1102	760	-	-1582
Oil refineries	-	-75	65	-	-	-	-	-	-	-	-10
Other transformation*	-1	-	-29	-	-	-	-	-45	-109	-	-183
<b>TFC</b>	-	-	<b>2598</b>	-	-	-	-	<b>5213</b>	<b>670</b>	-	<b>8481</b>
<b>INDUSTRY</b>	-	-	<b>417</b>	-	-	-	-	-	<b>273</b>	-	<b>689</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	417	-	-	-	-	-	273	-	689
<b>TRANSPORT</b>	-	-	<b>1896</b>	-	-	-	-	-	-	-	<b>1896</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1894	-	-	-	-	-	-	-	1894
Other/non-specified	-	-	2	-	-	-	-	-	-	-	2
<b>OTHER</b>	-	-	<b>253</b>	-	-	-	-	<b>5213</b>	<b>397</b>	-	<b>5863</b>
Residential	-	-	246	-	-	-	-	5046	218	-	5510
Comm. and public services	-	-	8	-	-	-	-	167	179	-	354
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>32</b>	-	-	-	-	-	-	-	<b>32</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1232	-	1692	-	-	3294	271	2343	-	-	8832
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

Haiti

Figure 1. Energy production

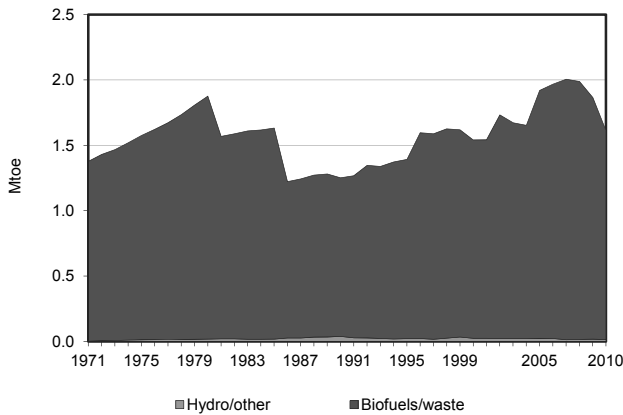


Figure 2. Total primary energy supply\*

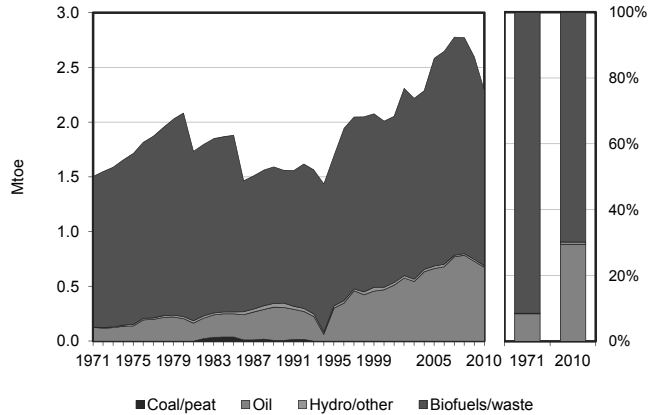


Figure 3. Energy self-sufficiency\*\*

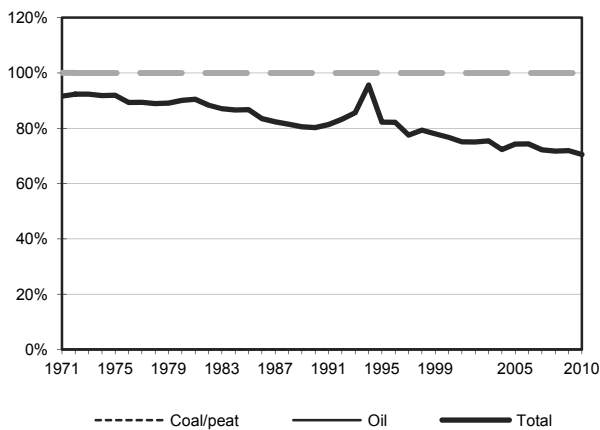


Figure 4. Oil products demand\*\*\*

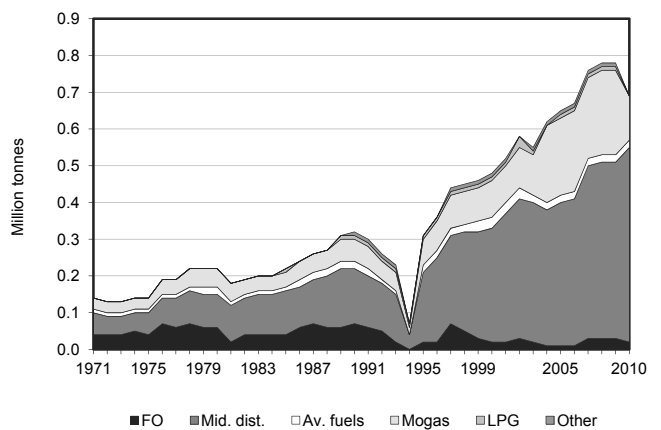


Figure 5. Electricity generation by fuel

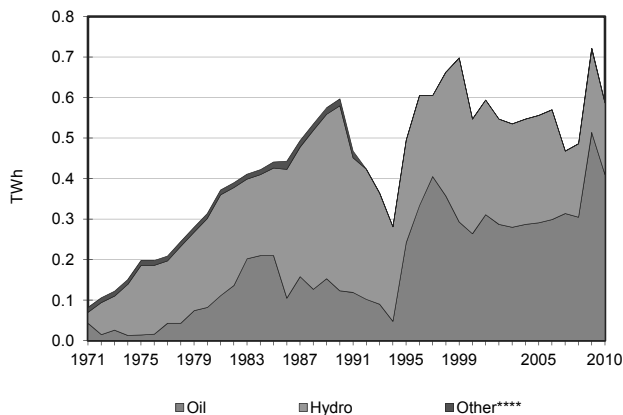
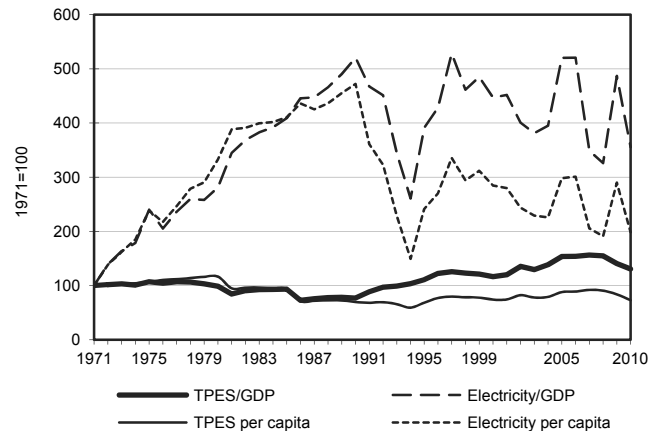


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Haiti

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	18	-	1849	-	-	1867
Imports	-	-	747	-	-	-	-	-	-	-	747
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-18	-	-	-	-	-	-	-	-18
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>729</b>	-	-	<b>18</b>	-	<b>1849</b>	-	-	<b>2595</b>
Electricity and CHP plants	-	-	-127	-	-	-18	-	-	62	-	-83
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	62	-	-	-	-	-197	-33	-	-169
<b>TFC</b>	-	-	<b>663</b>	-	-	-	-	<b>1652</b>	<b>29</b>	-	<b>2343</b>
<b>INDUSTRY</b>	-	-	<b>148</b>	-	-	-	-	<b>233</b>	<b>9</b>	-	<b>390</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	148	-	-	-	-	233	9	-	390
<b>TRANSPORT</b>	-	-	<b>437</b>	-	-	-	-	-	-	-	<b>437</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	244	-	-	-	-	-	-	-	244
Other/non-specified	-	-	193	-	-	-	-	-	-	-	193
<b>OTHER</b>	-	-	<b>72</b>	-	-	-	-	<b>1418</b>	<b>19</b>	-	<b>1510</b>
Residential	-	-	72	-	-	-	-	1384	11	-	1467
Comm. and public services	-	-	-	-	-	-	-	35	9	-	43
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>6</b>	-	-	-	-	-	-	-	<b>6</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	514	-	-	207	-	-	-	-	721
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	15	-	1598	-	-	1613
Imports	-	-	696	-	-	-	-	-	-	-	696
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-21	-	-	-	-	-	-	-	-21
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>675</b>	-	-	<b>15</b>	-	<b>1598</b>	-	-	<b>2288</b>
Electricity and CHP plants	-	-	-102	-	-	-15	-	-	50	-	-67
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	28	-	-	-	-	-145	-31	-	-148
<b>TFC</b>	-	-	<b>601</b>	-	-	-	-	<b>1453</b>	<b>20</b>	-	<b>2074</b>
<b>INDUSTRY</b>	-	-	<b>170</b>	-	-	-	-	<b>170</b>	<b>6</b>	-	<b>347</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	170	-	-	-	-	170	6	-	347
<b>TRANSPORT</b>	-	-	<b>356</b>	-	-	-	-	-	-	-	<b>356</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	131	-	-	-	-	-	-	-	131
Other/non-specified	-	-	225	-	-	-	-	-	-	-	225
<b>OTHER</b>	-	-	<b>70</b>	-	-	-	-	<b>1283</b>	<b>13</b>	-	<b>1366</b>
Residential	-	-	70	-	-	-	-	1247	7	-	1324
Comm. and public services	-	-	-	-	-	-	-	36	6	-	42
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>4</b>	-	-	-	-	-	-	-	<b>4</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	410	-	-	177	-	-	-	-	587
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Honduras

Figure 1. Energy production

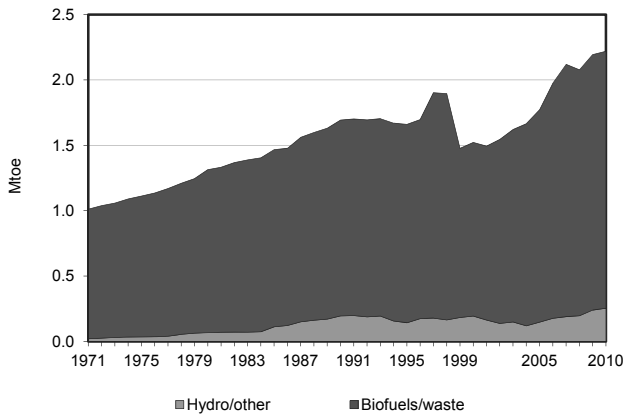


Figure 2. Total primary energy supply\*

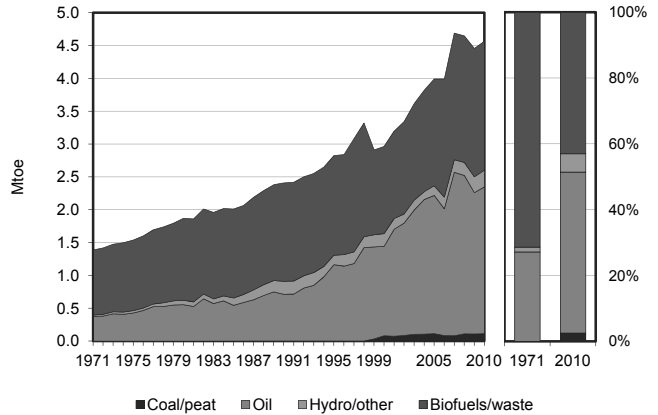


Figure 3. Energy self-sufficiency\*\*

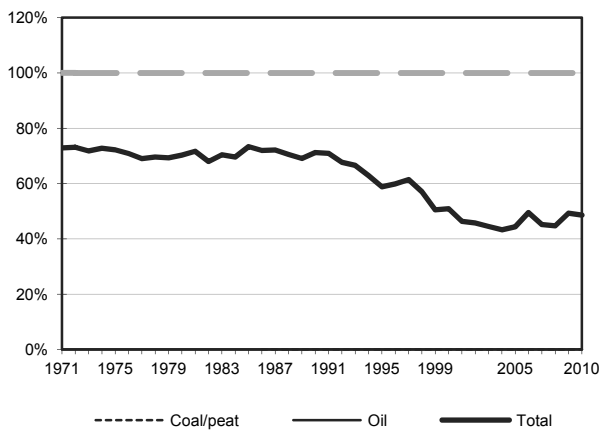


Figure 4. Oil products demand\*\*\*

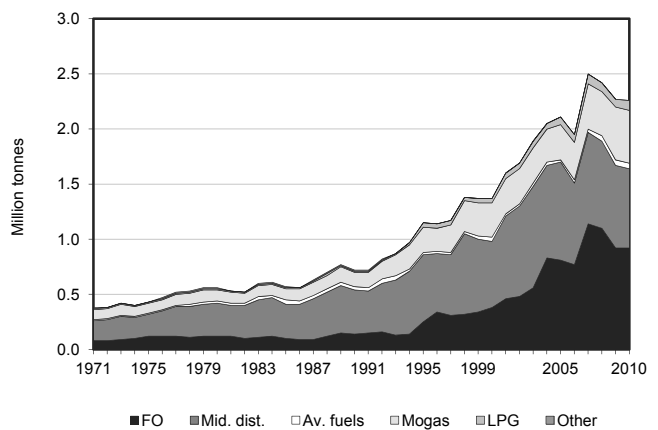


Figure 5. Electricity generation by fuel

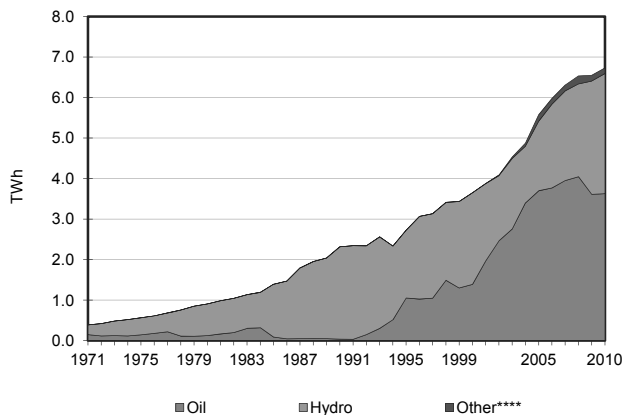
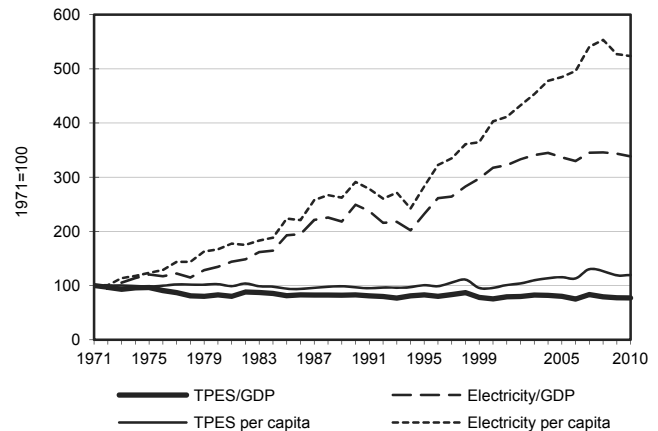


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Honduras

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	241	-	1954	-	-	2195
Imports	110	-	2510	-	-	-	-	-	-	-	2620
Exports	-	-	-344	-	-	-	-	-	-4	-	-348
Intl. marine bunkers	-	-	-1	-	-	-	-	-	-	-	-1
Intl. aviation bunkers	-	-	-52	-	-	-	-	-	-	-	-52
Stock changes	-	-	39	-	-	-	-	-	-	-	39
<b>TPES</b>	<b>110</b>	<b>-</b>	<b>2152</b>	<b>-</b>	<b>-</b>	<b>241</b>	<b>-</b>	<b>1954</b>	<b>-4</b>	<b>-</b>	<b>4453</b>
Electricity and CHP plants	-	-	-707	-	-	-241	-	-327	563	-	-711
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	92	-	-	-	-	-0	-126	-	-35
<b>TFC</b>	<b>110</b>	<b>-</b>	<b>1536</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1627</b>	<b>433</b>	<b>-</b>	<b>3707</b>
<b>INDUSTRY</b>	<b>110</b>	<b>-</b>	<b>264</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>99</b>	<b>106</b>	<b>-</b>	<b>579</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	110	-	264	-	-	-	-	99	106	-	579
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1012</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1012</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1012	-	-	-	-	-	-	-	1012
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>261</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1529</b>	<b>327</b>	<b>-</b>	<b>2116</b>
Residential	-	-	58	-	-	-	-	1529	185	-	1772
Comm. and public services	-	-	34	-	-	-	-	-	142	-	176
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	169	-	-	-	-	-	-	-	169
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3614	-	-	2797	-	141	-	-	6552
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

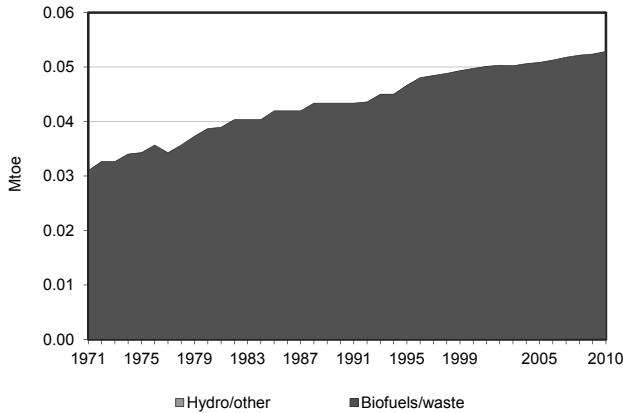
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	255	-	1965	-	-	2220
Imports	114	-	2283	-	-	-	-	-	2	-	2400
Exports	-	-	-	-	-	-	-	-	-2	-	-2
Intl. marine bunkers	-	-	-1	-	-	-	-	-	-	-	-1
Intl. aviation bunkers	-	-	-49	-	-	-	-	-	-	-	-49
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>114</b>	<b>-</b>	<b>2233</b>	<b>-</b>	<b>-</b>	<b>255</b>	<b>-</b>	<b>1965</b>	<b>-</b>	<b>-</b>	<b>4567</b>
Electricity and CHP plants	-	-	-698	-	-	-255	-	-298	579	-	-672
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-1	-	-	-	-	-	-141	-	-142
<b>TFC</b>	<b>114</b>	<b>-</b>	<b>1534</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1667</b>	<b>439</b>	<b>-</b>	<b>3754</b>
<b>INDUSTRY</b>	<b>114</b>	<b>-</b>	<b>268</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103</b>	<b>109</b>	<b>-</b>	<b>594</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	114	-	268	-	-	-	-	103	109	-	594
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>996</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>996</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	996	-	-	-	-	-	-	-	996
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>270</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1564</b>	<b>330</b>	<b>-</b>	<b>2164</b>
Residential	-	-	63	-	-	-	-	1564	187	-	1814
Comm. and public services	-	-	42	-	-	-	-	-	143	-	185
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	165	-	-	-	-	-	-	-	165
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3629	-	-	2966	-	139	-	-	6734
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

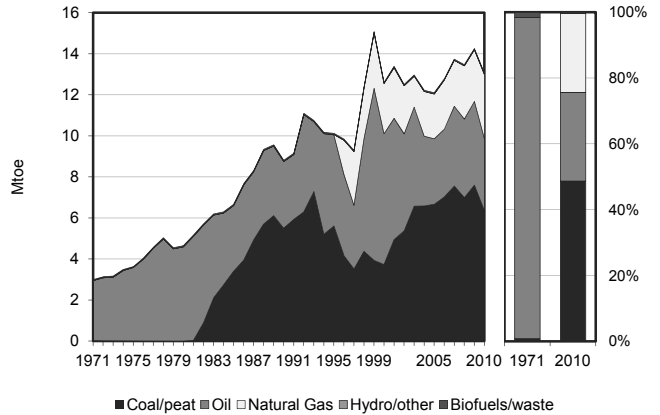
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Hong Kong, China

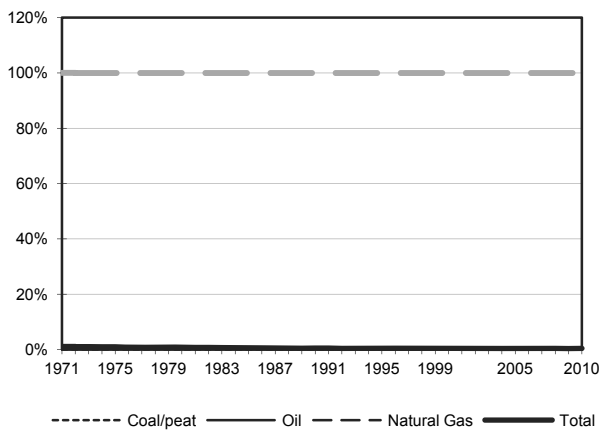
**Figure 1. Energy production**



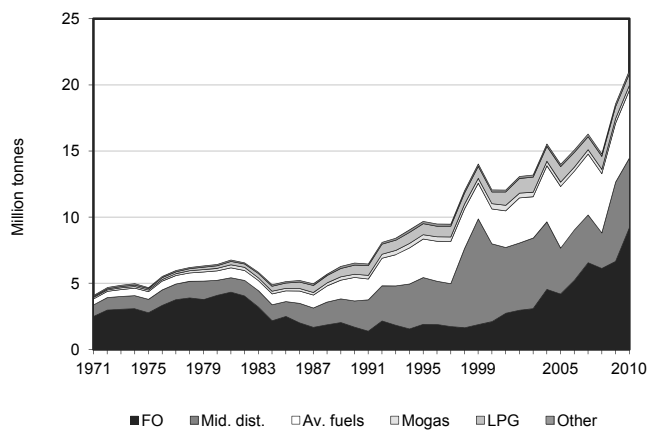
**Figure 2. Total primary energy supply\***



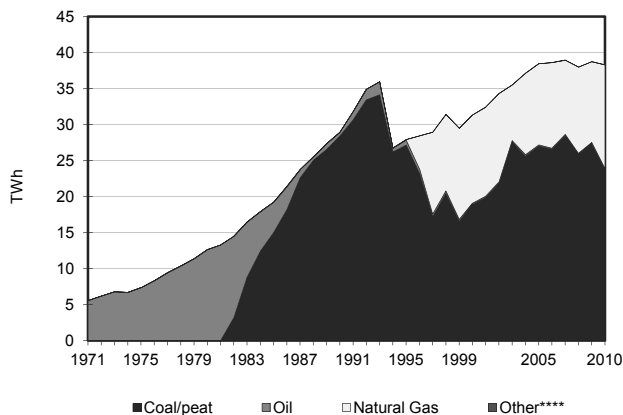
**Figure 3. Energy self-sufficiency\*\***



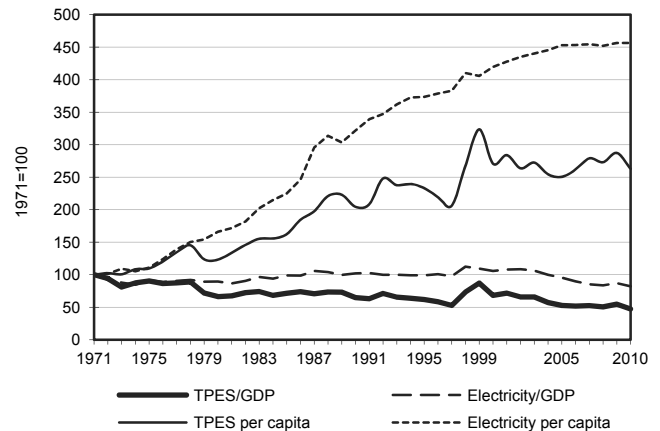
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Hong Kong, China

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	0	52	-	-	52
Imports	7599	-	20020	2519	-	-	-	4	997	-	31139
Exports	-	-	-944	-	-	-	-	-	-321	-	-1265
Intl. marine bunkers	-	-	-10252	-	-	-	-	-	-	-	-10252
Intl. aviation bunkers	-	-	-4746	-	-	-	-	-	-	-	-4746
Stock changes	-	-	5	-	-	-	-	-	-	-	5
<b>TPES</b>	<b>7599</b>	<b>-</b>	<b>4083</b>	<b>2519</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>57</b>	<b>676</b>	<b>-</b>	<b>14933</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	-170	-	-	-	-	-	0	-	-170
Electricity plants	-6271	-	-42	-2173	-	-	-0	-	3331	-	-5155
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	586	-	-495	-346	-	-	-	-	-	-	-256
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-438	-	-438
<b>TFC</b>	<b>1914</b>	<b>-</b>	<b>3375</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>57</b>	<b>3569</b>	<b>-</b>	<b>8914</b>
<b>INDUSTRY</b>	<b>1347</b>	<b>-</b>	<b>698</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>266</b>	<b>-</b>	<b>2311</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	1347	-	698	-	-	-	-	-	266	-	2311
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1994</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1994</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1994	-	-	-	-	-	-	-	1994
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>567</b>	<b>-</b>	<b>471</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>57</b>	<b>3302</b>	<b>-</b>	<b>4396</b>
Residential	329	-	19	-	-	-	-	52	931	-	1331
Comm. and publ. services	238	-	452	-	-	-	-	-	2371	-	3061
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	4	-	-	4
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>212</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>212</b>
in industry/transf./energy	-	-	212	-	-	-	-	-	-	-	212
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>27403</b>	<b>-</b>	<b>136</b>	<b>11192</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38732</b>
Electricity plants	27403	-	136	11192	-	-	1	-	-	-	38732
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-



## Hong Kong, China

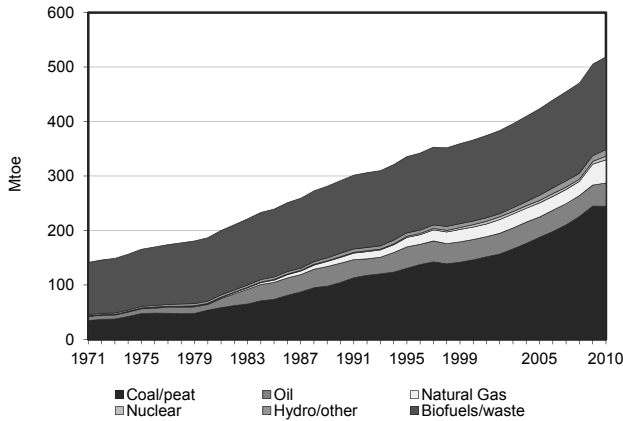
2010

Thousand tonnes of oil equivalent

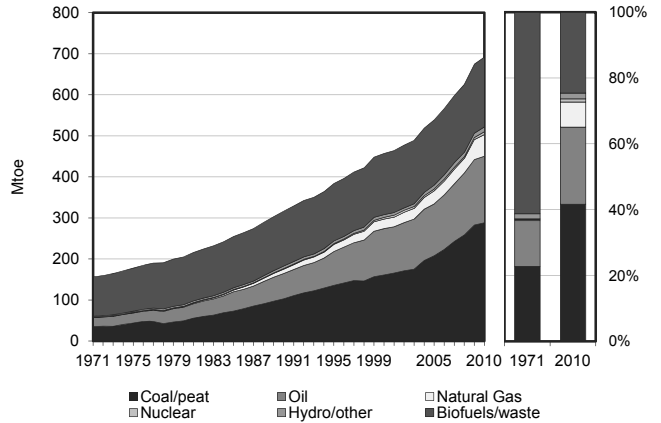
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	0	53	-	-	53
Imports	6362	-	22224	3131	-	-	-	3	950	-	32670
Exports	-	-	-764	-	-	-	-	-	-224	-	-989
Intl. marine bunkers	-	-	-12178	-	-	-	-	-	-	-	-12178
Intl. aviation bunkers	-	-	-5465	-	-	-	-	-	-	-	-5465
Stock changes	-	-	-300	-	-	-	-	-	-	-	-300
<b>TPES</b>	<b>6362</b>	-	<b>3517</b>	<b>3131</b>	-	-	<b>0</b>	<b>56</b>	<b>726</b>	-	<b>13792</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	-	168	-	-	-	-	-	0	-	168
Electricity plants	-5424	-	-37	-2795	-	-	-0	-	3293	-	-4963
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	593	-	-516	-336	-	-	-	-	-	-	-259
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-419	-	-419
<b>TFC</b>	<b>1531</b>	-	<b>3132</b>	-	-	-	-	<b>56</b>	<b>3601</b>	-	<b>8319</b>
<b>INDUSTRY</b>	<b>958</b>	-	<b>627</b>	-	-	-	-	-	<b>265</b>	-	<b>1849</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	958	-	627	-	-	-	-	-	265	-	1849
<b>TRANSPORT</b>	-	-	<b>1847</b>	-	-	-	-	-	-	-	<b>1847</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1847	-	-	-	-	-	-	-	1847
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>573</b>	-	<b>423</b>	-	-	-	-	<b>56</b>	<b>3336</b>	-	<b>4387</b>
Residential	328	-	14	-	-	-	-	53	940	-	1335
Comm. and publ. services	245	-	409	-	-	-	-	-	2396	-	3050
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	3	-	-	3
<b>NON-ENERGY USE</b>	-	-	<b>236</b>	-	-	-	-	-	-	-	<b>236</b>
in industry/transf./energy	-	-	236	-	-	-	-	-	-	-	236
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>23785</b>	-	<b>112</b>	<b>14397</b>	-	-	<b>1</b>	-	-	-	<b>38295</b>
Electricity plants	23785	-	112	14397	-	-	1	-	-	-	38295
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## India

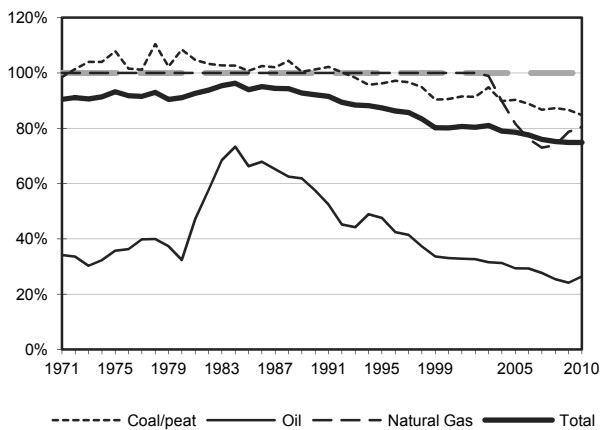
**Figure 1. Energy production**



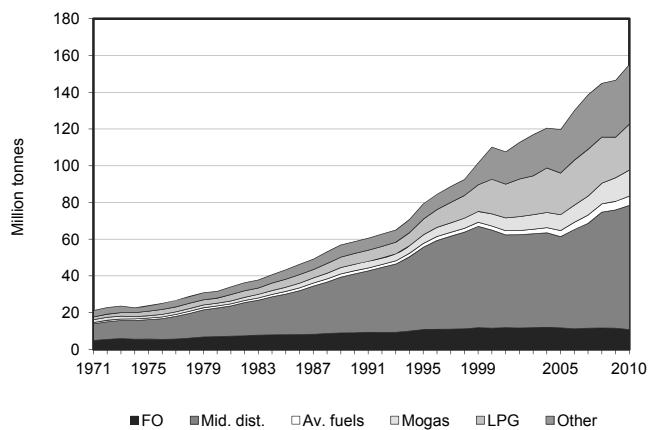
**Figure 2. Total primary energy supply\***



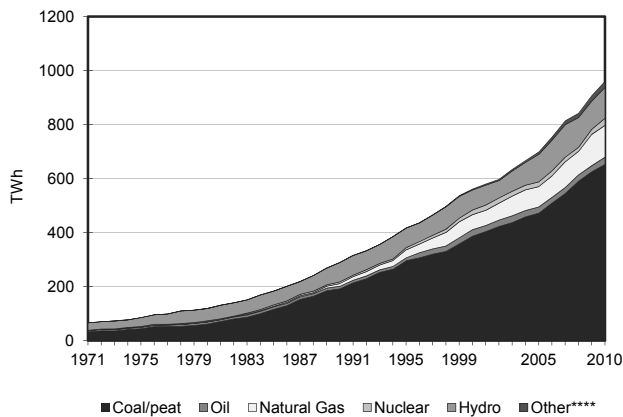
**Figure 3. Energy self-sufficiency\*\***



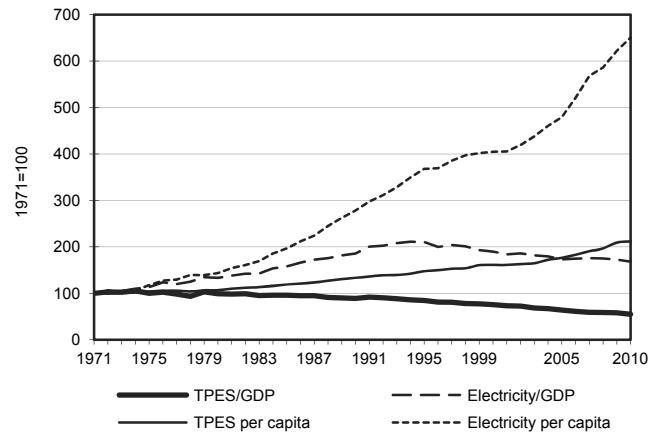
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## India

2009

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	244910	38527	-	38497	4857	8962	1756	167896	-	-	505405
Imports	47488	162762	14834	10429	-	-	-	-	461	-	235974
Exports	-1265	-	-52962	-	-	-	-	-	-5	-	-54232
Intl. marine bunkers	-	-	-146	-	-	-	-	-	-	-	-146
Intl. aviation bunkers	-	-	-3450	-	-	-	-	-	-	-	-3450
Stock changes	-8356	-	-	-	-	-	-	-	-	-	-8356
<b>TPES</b>	<b>282776</b>	<b>201289</b>	<b>-41724</b>	<b>48926</b>	<b>4857</b>	<b>8962</b>	<b>1756</b>	<b>167896</b>	<b>456</b>	<b>-</b>	<b>675195</b>
Transfers	-	-2305	2535	-	-	-	-	-	-	-	231
Statistical differences	-1729	-185	-12261	-	-	-	-	-	301	-	-13874
Electricity plants	-199786	-	-10796	-21458	-4857	-8962	-1533	-1164	77986	-	-170570
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-5603	-	-	-	-	-	-	-	-	-	-5603
Gas works	-20	-	-	-	-	-	-	-	-	-	-20
Coke/pat.fuel/BKB plants	-3636	-	-	-	-	-	-	-	-	-	-3636
Oil refineries	-	-198800	199375	-	-	-	-	-	-	-	576
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-981	-	-13335	-4497	-	-	-	-	-4985	-	-23798
Losses	-	-	-	-	-	-	-	-	-17167	-	-17167
<b>TFC</b>	<b>71022</b>	<b>-</b>	<b>123795</b>	<b>22970</b>	<b>-</b>	<b>-</b>	<b>223</b>	<b>166732</b>	<b>56591</b>	<b>-</b>	<b>441334</b>
<b>INDUSTRY</b>	<b>52548</b>	<b>-</b>	<b>23258</b>	<b>8289</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28811</b>	<b>25595</b>	<b>-</b>	<b>138501</b>
Iron and steel	16770	-	857	-	-	-	-	-	-	-	17627
Chemical and petrochemical	1751	-	3255	-	-	-	-	-	-	-	5007
Non-ferrous metals	330	-	134	-	-	-	-	-	-	-	464
Non-metallic minerals	10036	-	478	-	-	-	-	-	-	-	10514
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	530	-	-	-	-	-	-	-	530
Mining and quarrying	-	-	1395	-	-	-	-	-	-	-	1395
Food and tobacco	-	-	11671	-	-	-	-	-	-	-	11671
Paper pulp and printing	1454	-	-	-	-	-	-	-	-	-	1454
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	300	-	751	-	-	-	-	-	-	-	1051
Non-specified	21907	-	4186	8289	-	-	-	28811	25595	-	88789
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>48058</b>	<b>1992</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>164</b>	<b>1066</b>	<b>-</b>	<b>51280</b>
Domestic aviation	-	-	1479	-	-	-	-	-	-	-	1479
Road	-	-	42864	1992	-	-	-	164	-	-	45021
Rail	-	-	2438	-	-	-	-	-	1066	-	3503
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	1265	-	-	-	-	-	-	-	1265
Non-specified	-	-	12	-	-	-	-	-	-	-	12
<b>OTHER</b>	<b>18474</b>	<b>-</b>	<b>26251</b>	<b>161</b>	<b>-</b>	<b>-</b>	<b>223</b>	<b>137757</b>	<b>29930</b>	<b>-</b>	<b>212796</b>
Residential	2889	-	22572	22	-	-	-	131423	12199	-	169105
Comm. and publ. services	3560	-	-	-	-	-	-	6334	5072	-	14966
Agriculture/forestry	-	-	3065	138	-	-	-	-	10276	-	13479
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	12025	-	615	-	-	-	223	-	2383	-	15246
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>26228</b>	<b>12529</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38757</b>
in industry/transf./energy	-	-	26228	12529	-	-	-	-	-	-	38757
of which: feedstocks	-	-	8992	12529	-	-	-	-	-	-	21521
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>625244</b>	<b>-</b>	<b>22757</b>	<b>116112</b>	<b>18637</b>	<b>104211</b>	<b>17827</b>	<b>2030</b>	<b>-</b>	<b>-</b>	<b>906818</b>
Electricity plants	625244	-	22757	116112	18637	104211	17827	2030	-	-	906818
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## India

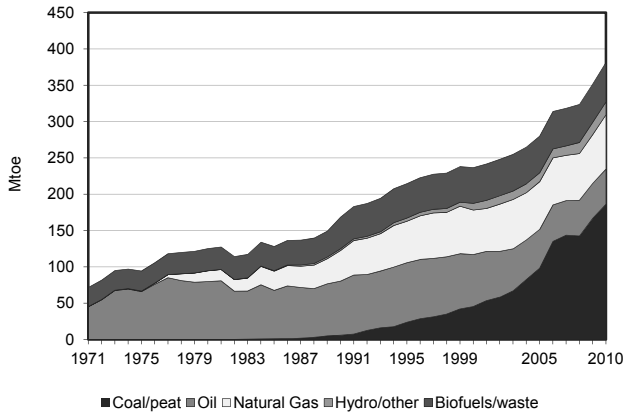
2010

Thousand tonnes of oil equivalent

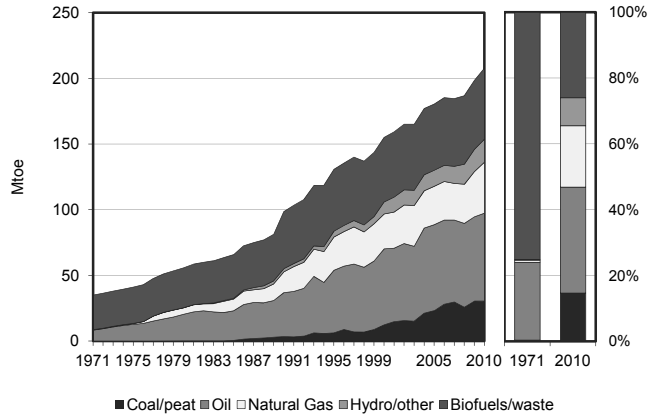
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	244527	42847	-	42428	6845	9840	2006	170177	-	-	518671
Imports	49379	167193	16794	10295	-	-	-	-	482	-	244143
Exports	-2074	-	-60619	-	-	-	-	-	-5	-	-62699
Intl. marine bunkers	-	-	-166	-	-	-	-	-	-	-	-166
Intl. aviation bunkers	-	-	-3787	-	-	-	-	-	-	-	-3787
Stock changes	-3473	-	-	-	-	-	-	-	-	-	-3473
<b>TPES</b>	<b>288359</b>	<b>210039</b>	<b>-47779</b>	<b>52723</b>	<b>6845</b>	<b>9840</b>	<b>2006</b>	<b>170177</b>	<b>477</b>	<b>-</b>	<b>692689</b>
Transfers	-	-2227	2449	-	-	-	-	-	-	-	223
Statistical differences	-4033	4955	-10824	-	-	-	-	-	1511	-	-8392
Electricity plants	-201466	-	-11253	-26045	-6845	-9840	-1714	-1180	82553	-	-175790
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-4925	-	-	-	-	-	-	-	-	-	-4925
Gas works	-21	-	-	-	-	-	-	-	-	-	-21
Coke/pat.fuel/BKB plants	-1335	-	-	-	-	-	-	-	-	-	-1335
Oil refineries	-	-212768	213979	-	-	-	-	-	-	-	1211
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-754	-	-18232	-3761	-	-	-	-	-5289	-	-28036
Losses	-	-	-	-	-	-	-	-	-18133	-	-18133
<b>TFC</b>	<b>75825</b>	<b>-</b>	<b>128340</b>	<b>22918</b>	<b>-</b>	<b>-</b>	<b>292</b>	<b>168998</b>	<b>61118</b>	<b>-</b>	<b>457491</b>
<b>INDUSTRY</b>	<b>62059</b>	<b>-</b>	<b>25784</b>	<b>7428</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>29200</b>	<b>27643</b>	<b>-</b>	<b>152115</b>
Iron and steel	23626	-	838	-	-	-	-	-	-	-	24464
Chemical and petrochemical	2026	-	3040	-	-	-	-	-	-	-	5066
Non-ferrous metals	519	-	124	-	-	-	-	-	-	-	644
Non-metallic minerals	10657	-	444	-	-	-	-	-	-	-	11101
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	514	-	-	-	-	-	-	-	514
Mining and quarrying	-	-	1453	-	-	-	-	-	-	-	1453
Food and tobacco	-	-	12389	-	-	-	-	-	-	-	12389
Paper pulp and printing	1667	-	-	-	-	-	-	-	-	-	1667
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	397	-	711	-	-	-	-	-	-	-	1108
Non-specified	23166	-	6272	7428	-	-	-	29200	27643	-	93709
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>51857</b>	<b>2301</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>182</b>	<b>1151</b>	<b>-</b>	<b>55491</b>
Domestic aviation	-	-	1623	-	-	-	-	-	-	-	1623
Road	-	-	46335	2301	-	-	-	182	-	-	48818
Rail	-	-	2595	-	-	-	-	-	1151	-	3746
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	1290	-	-	-	-	-	-	-	1290
Non-specified	-	-	13	-	-	-	-	-	-	-	13
<b>OTHER</b>	<b>13766</b>	<b>-</b>	<b>25842</b>	<b>184</b>	<b>-</b>	<b>-</b>	<b>292</b>	<b>139616</b>	<b>32324</b>	<b>-</b>	<b>212024</b>
Residential	2924	-	22932	24	-	-	-	133196	13175	-	172250
Comm. and publ. services	3734	-	-	-	-	-	-	6420	5477	-	15631
Agriculture/forestry	-	-	2910	160	-	-	-	-	11098	-	14168
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	7108	-	-	-	-	-	292	-	2574	-	9974
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>24857</b>	<b>13005</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37862</b>
in industry/transf./energy	-	-	24857	13005	-	-	-	-	-	-	37862
of which: feedstocks	-	-	9977	13005	-	-	-	-	-	-	22982
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>653005</b>	<b>-</b>	<b>26441</b>	<b>117789</b>	<b>26266</b>	<b>114424</b>	<b>19934</b>	<b>2057</b>	<b>-</b>	<b>-</b>	<b>959916</b>
Electricity plants	653005	-	26441	117789	26266	114424	19934	2057	-	-	959916
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Indonesia

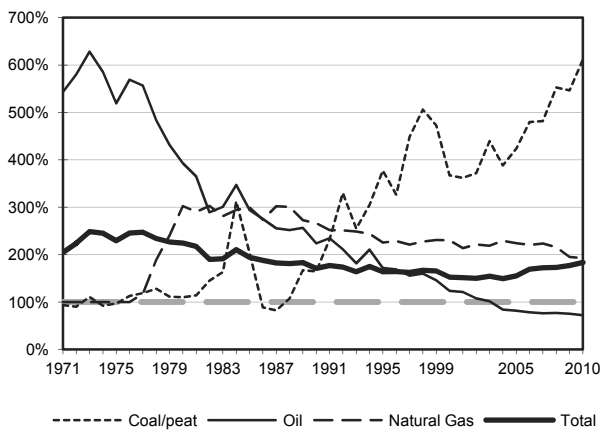
**Figure 1. Energy production**



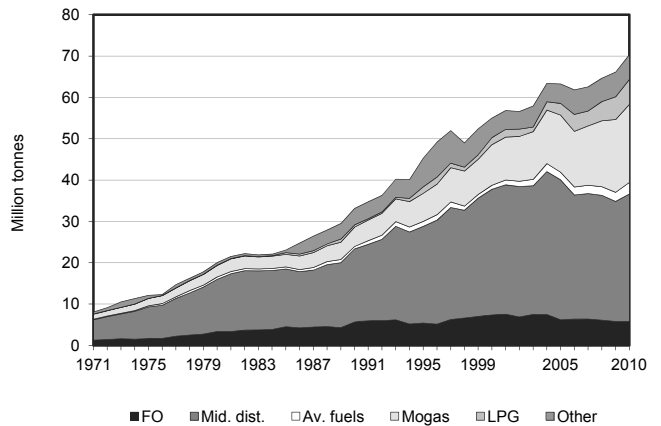
**Figure 2. Total primary energy supply\***



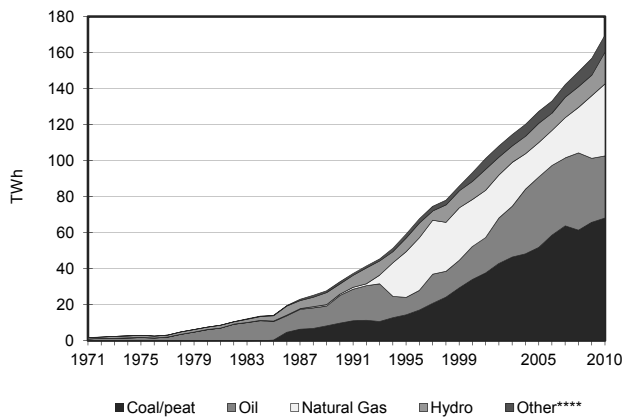
**Figure 3. Energy self-sufficiency\*\***



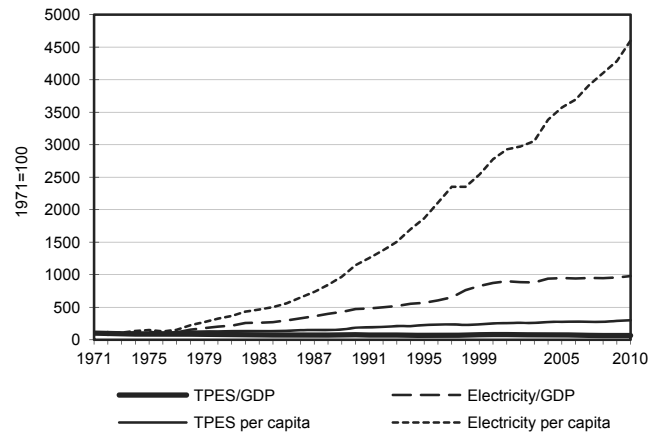
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Indonesia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	166802	48215	-	67047	-	979	15981	52804	-	-	351828
Imports	46	20736	18551	-	-	-	-	-	-	-	39334
Exports	-136336	-17691	-5341	-32676	-	-	-	-262	-	-	-192306
Intl. marine bunkers	-	-	-167	-	-	-	-	-	-	-	-167
Intl. aviation bunkers	-	-	-640	-	-	-	-	-	-	-	-640
Stock changes	-	664	-174	-	-	-	-	-25	-	-	465
<b>TPES</b>	<b>30513</b>	<b>51925</b>	<b>12229</b>	<b>34370</b>	-	<b>979</b>	<b>15981</b>	<b>52517</b>	-	-	<b>198514</b>
Transfers	-	-1462	1617	-	-	-	-	-	-	-	155
Statistical differences	-2223	1913	1348	-506	-	-	-	-75	-0	-	457
Electricity plants	-17834	-	-8549	-8511	-	-979	-15981	-27	13485	-	-38397
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-3	-	-	-	-	-	-	-	-	-	-3
Oil refineries	-	-50173	50687	-	-	-	-	-	-	-	514
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-681	-	-	-681
Energy industry own use	-	-	-2306	-9457	-	-	-	-	-490	-	-12253
Losses	-	-	-	-490	-	-	-	-	-1294	-	-1784
<b>TFC</b>	<b>10453</b>	<b>2202</b>	<b>55026</b>	<b>15407</b>	-	-	-	<b>51734</b>	<b>11701</b>	-	<b>146522</b>
<b>INDUSTRY</b>	<b>10453</b>	-	<b>8953</b>	<b>11371</b>	-	-	-	<b>6503</b>	<b>4017</b>	-	<b>41297</b>
Iron and steel	-	-	540	568	-	-	-	-	-	-	1109
Chemical and petrochemical	-	-	684	3000	-	-	-	-	-	-	3684
Non-ferrous metals	205	-	-	-	-	-	-	-	-	-	205
Non-metallic minerals	3626	-	959	-	-	-	-	-	-	-	4585
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	79	-	-	-	-	-	-	-	79
Mining and quarrying	-	-	1138	-	-	-	-	-	-	-	1138
Food and tobacco	-	-	696	-	-	-	-	-	-	-	696
Paper pulp and printing	615	-	-	-	-	-	-	-	-	-	615
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	387	-	-	-	-	-	-	-	387
Textile and leather	-	-	1277	-	-	-	-	-	-	-	1277
Non-specified	6007	-	3195	7803	-	-	-	6503	4017	-	27525
<b>TRANSPORT</b>	-	-	<b>31676</b>	<b>8</b>	-	-	-	<b>20</b>	-	-	<b>31704</b>
Domestic aviation	-	-	1694	-	-	-	-	-	-	-	1694
Road	-	-	28306	8	-	-	-	20	-	-	28334
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	1676	-	-	-	-	-	-	-	1676
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>10847</b>	<b>118</b>	-	-	-	<b>45211</b>	<b>7684</b>	-	<b>63860</b>
Residential	-	-	6584	18	-	-	-	45008	4777	-	56387
Comm. and publ. services	-	-	1105	100	-	-	-	203	2907	-	4315
Agriculture/forestry	-	-	2823	-	-	-	-	-	-	-	2823
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	335	-	-	-	-	-	-	-	335
<b>NON-ENERGY USE</b>	-	<b>2202</b>	<b>3550</b>	<b>3909</b>	-	-	-	-	-	-	<b>9661</b>
in industry/transf./energy	-	2202	3550	3909	-	-	-	-	-	-	9661
of which: feedstocks	-	2202	2671	3909	-	-	-	-	-	-	8782
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>65754</b>	-	<b>35540</b>	<b>34763</b>	-	<b>11384</b>	<b>9295</b>	<b>63</b>	-	-	<b>156799</b>
Electricity plants	65754	-	35540	34763	-	11384	9295	63	-	-	156799
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Indonesia

2010

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	186328	48442	-	74741	-	1520	16088	54326	-	-	381446
Imports	37	19954	22128	-	-	-	-	-	-	-	42119
Exports	-155882	-17385	-5215	-35952	-	-	-	-290	-	-	-214725
Intl. marine bunkers	-	-	-230	-	-	-	-	-	-	-	-230
Intl. aviation bunkers	-	-	-680	-	-	-	-	-	-	-	-680
Stock changes	-	266	-350	-	-	-	-	3	-	-	-82
<b>TPES</b>	<b>30483</b>	<b>51277</b>	<b>15652</b>	<b>38789</b>	-	<b>1520</b>	<b>16088</b>	<b>54039</b>	-	-	<b>207849</b>
Transfers	-	-1868	2066	-	-	-	-	-	-	-	198
Statistical differences	1112	72	5406	-835	-	-	-	-141	0	-	5615
Electricity plants	-18732	-	-8488	-8642	-	-1520	-16088	-41	14602	-	-38909
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-4	-	-	-	-	-	-	-	-	-	-4
Oil refineries	-	-47313	47133	-	-	-	-	-	-	-	-180
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-664	-	-	-664
Energy industry own use	-	-	-2117	-9740	-	-	-	-	-504	-	-12361
Losses	-	-	-	-3723	-	-	-	-	-1372	-	-5095
<b>TFC</b>	<b>12860</b>	<b>2168</b>	<b>59653</b>	<b>15849</b>	-	-	-	<b>53193</b>	<b>12726</b>	-	<b>156449</b>
<b>INDUSTRY</b>	<b>12860</b>	-	<b>10454</b>	<b>11786</b>	-	-	-	<b>6328</b>	<b>4405</b>	-	<b>45833</b>
Iron and steel	-	-	714	493	-	-	-	-	-	-	1207
Chemical and petrochemical	-	-	828	2505	-	-	-	-	-	-	3332
Non-ferrous metals	243	-	-	-	-	-	-	-	-	-	243
Non-metallic minerals	3315	-	1150	-	-	-	-	-	-	-	4465
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	87	-	-	-	-	-	-	-	87
Mining and quarrying	-	-	1276	-	-	-	-	-	-	-	1276
Food and tobacco	-	-	797	-	-	-	-	-	-	-	797
Paper pulp and printing	915	-	-	-	-	-	-	-	-	-	915
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	427	-	-	-	-	-	-	-	427
Textile and leather	-	-	1439	-	-	-	-	-	-	-	1439
Non-specified	8386	-	3736	8788	-	-	-	6328	4405	-	31643
<b>TRANSPORT</b>	-	-	<b>35843</b>	<b>10</b>	-	-	-	<b>34</b>	-	-	<b>35887</b>
Domestic aviation	-	-	2302	-	-	-	-	-	-	-	2302
Road	-	-	31532	10	-	-	-	34	-	-	31576
Rail	-	-	-	-	-	-	-	-	-	-	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	2009	-	-	-	-	-	-	-	2009
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>10511</b>	<b>151</b>	-	-	-	<b>46831</b>	<b>8321</b>	-	<b>65814</b>
Residential	-	-	6111	19	-	-	-	46629	5169	-	57927
Comm. and publ. services	-	-	1078	132	-	-	-	202	3152	-	4565
Agriculture/forestry	-	-	2965	-	-	-	-	-	-	-	2965
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	356	-	-	-	-	-	-	-	356
<b>NON-ENERGY USE</b>	-	<b>2168</b>	<b>2845</b>	<b>3902</b>	-	-	-	-	-	-	<b>8915</b>
in industry/transf./energy	-	2168	2845	3902	-	-	-	-	-	-	8915
of which: feedstocks	-	2168	2381	3902	-	-	-	-	-	-	8451
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>68114</b>	-	<b>34505</b>	<b>40038</b>	-	<b>17676</b>	<b>9357</b>	<b>95</b>	-	-	<b>169785</b>
Electricity plants	68114	-	34505	40038	-	17676	9357	95	-	-	169785
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Islamic Republic of Iran

Figure 1. Energy production

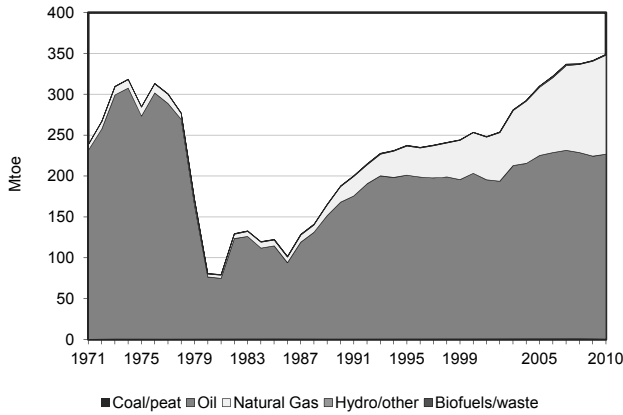


Figure 2. Total primary energy supply\*

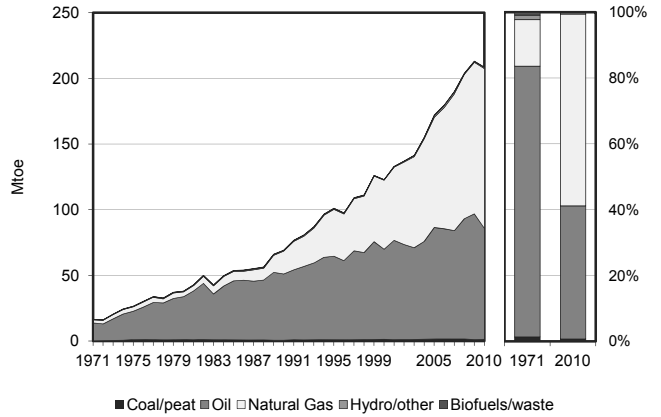


Figure 3. Energy self-sufficiency\*\*

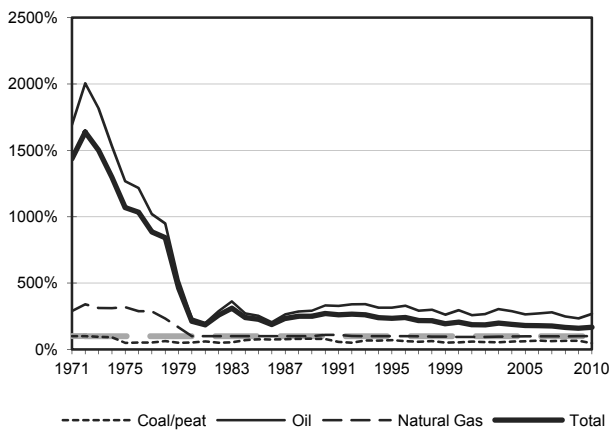


Figure 4. Oil products demand\*\*\*

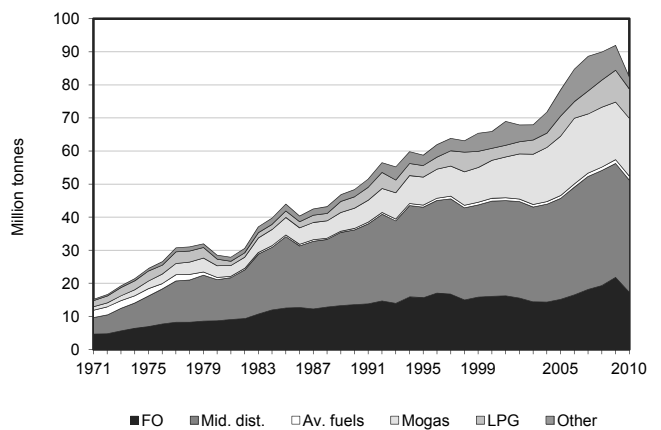


Figure 5. Electricity generation by fuel

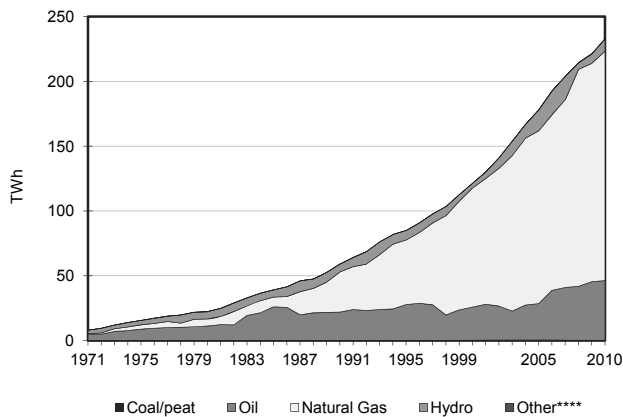
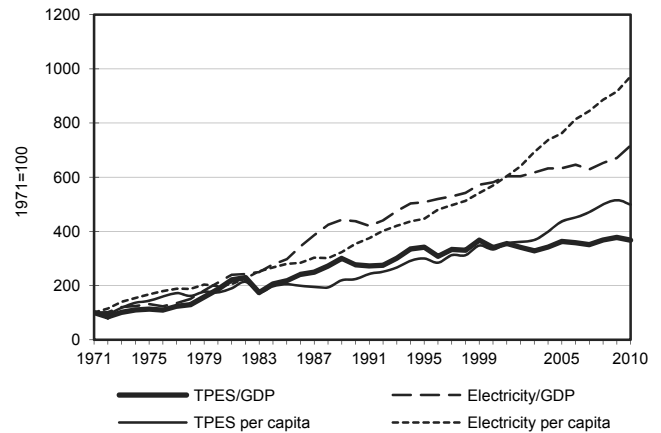


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.



## Islamic Republic of Iran

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	770	223545	-	116220	-	622	19	309	-	-	341485
Imports	430	4740	10168	4896	-	-	-	-	178	-	20413
Exports	-15	-126993	-15331	-5739	-	-	-	-	-529	-	-148607
Intl. marine bunkers	-	-	-1970	-	-	-	-	-	-	-	-1970
Intl. aviation bunkers	-	-	-1248	-	-	-	-	-	-	-	-1248
Stock changes	-	3570	-757	-	-	-	-	-	-	-	2814
<b>TPES</b>	<b>1185</b>	<b>104863</b>	<b>-9137</b>	<b>115377</b>	<b>-</b>	<b>622</b>	<b>19</b>	<b>309</b>	<b>-351</b>	<b>-</b>	<b>212887</b>
Electricity and CHP plants	-129	-	-12952	-36709	-	-622	-19	-1	19038	-	-31395
Oil refineries	-	-89516	86471	-	-	-	-	-	-	-	-3045
Other transformation*	-810	-15347	10072	-8569	-	-	-	-3	-3877	-	-18533
<b>TFC</b>	<b>246</b>	<b>-</b>	<b>74453</b>	<b>70099</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>306</b>	<b>14809</b>	<b>-</b>	<b>159913</b>
<b>INDUSTRY</b>	<b>238</b>	<b>-</b>	<b>8846</b>	<b>21341</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5020</b>	<b>-</b>	<b>35445</b>
Iron and steel	33	-	-	-	-	-	-	-	-	-	33
Chemical and petrochemical	-	-	103	6517	-	-	-	-	-	-	6621
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	204	-	8743	14824	-	-	-	-	5020	-	28791
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>39036</b>	<b>3245</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>42305</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	35861	2913	-	-	-	-	-	-	38774
Other/non-specified	-	-	3175	332	-	-	-	-	24	-	3531
<b>OTHER</b>	<b>9</b>	<b>-</b>	<b>14649</b>	<b>40152</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>306</b>	<b>9766</b>	<b>-</b>	<b>64881</b>
Residential	9	-	8053	35011	-	-	-	9	4784	-	47866
Comm. and public services	-	-	2635	4801	-	-	-	-	2824	-	10260
Agriculture/forestry	-	-	3961	340	-	-	-	-	1841	-	6142
Other/non-specified	-	-	-	-	-	-	-	297	316	-	613
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>11922</b>	<b>5360</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17282</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	376	-	45191	168343	-	7233	225	2	-	-	221370
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	685	226043	-	121249	-	819	14	308	-	-	349119
Imports	834	795	8417	7609	-	-	-	-	259	-	17915
Exports	-79	-129491	-15967	-7181	-	-	-	-	-577	-	-153295
Intl. marine bunkers	-	-	-2282	-	-	-	-	-	-	-	-2282
Intl. aviation bunkers	-	-	-1284	-	-	-	-	-	-	-	-1284
Stock changes	-	-	-1807	-	-	-	-	-	-	-	-1807
<b>TPES</b>	<b>1440</b>	<b>97347</b>	<b>-12922</b>	<b>121677</b>	<b>-</b>	<b>819</b>	<b>14</b>	<b>308</b>	<b>-318</b>	<b>-</b>	<b>208367</b>
Electricity and CHP plants	-121	-	-13192	-37966	-	-819	-14	-2	20034	-	-32081
Oil refineries	-	-88825	85780	-	-	-	-	-	-	-	-3045
Other transformation*	-1088	-8522	5696	-8427	-	-	-	-1	-3716	-	-16059
<b>TFC</b>	<b>230</b>	<b>-</b>	<b>65361</b>	<b>75284</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>305</b>	<b>16001</b>	<b>-</b>	<b>157182</b>
<b>INDUSTRY</b>	<b>222</b>	<b>-</b>	<b>7880</b>	<b>24205</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5423</b>	<b>-</b>	<b>37730</b>
Iron and steel	7	-	-	-	-	-	-	-	-	-	7
Chemical and petrochemical	-	-	126	7351	-	-	-	-	-	-	7477
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	215	-	7753	16855	-	-	-	-	5423	-	30246
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>35983</b>	<b>5101</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26</b>	<b>-</b>	<b>41110</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	35897	4688	-	-	-	-	-	-	40585
Other/non-specified	-	-	86	413	-	-	-	-	26	-	525
<b>OTHER</b>	<b>9</b>	<b>-</b>	<b>13261</b>	<b>39933</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>305</b>	<b>10552</b>	<b>-</b>	<b>64060</b>
Residential	9	-	6866	34564	-	-	-	9	5238	-	46685
Comm. and public services	-	-	2429	5011	-	-	-	-	2927	-	10367
Agriculture/forestry	-	-	3966	357	-	-	-	-	2080	-	6404
Other/non-specified	-	-	-	-	-	-	-	296	307	-	603
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>8238</b>	<b>6045</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14283</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	353	-	46029	176878	-	9526	163	6	-	-	232955
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Iraq

Figure 1. Energy production

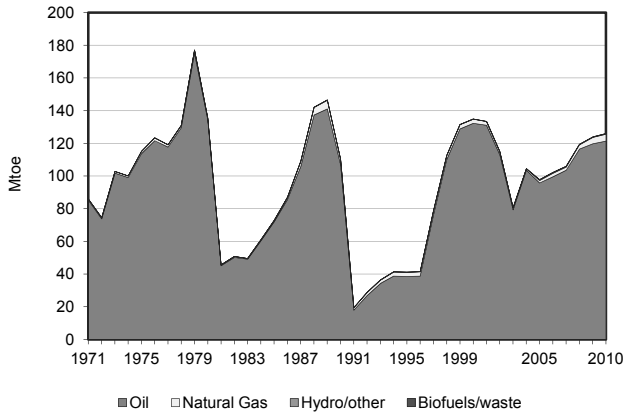


Figure 2. Total primary energy supply\*

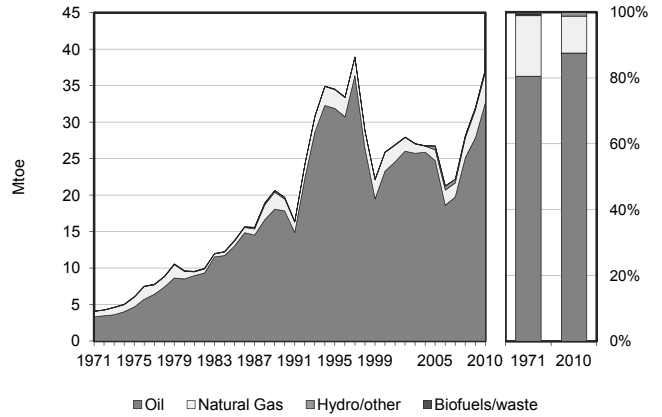


Figure 3. Energy self-sufficiency\*\*

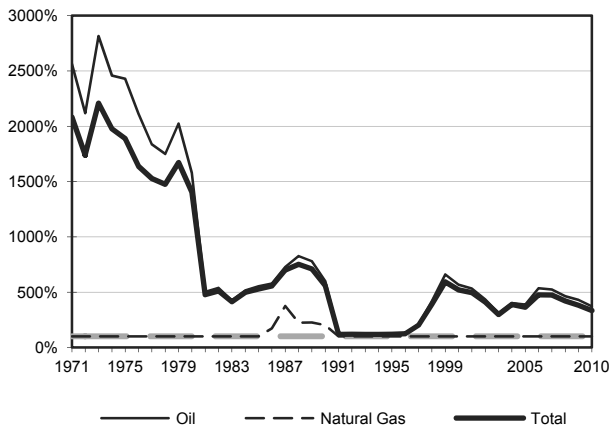


Figure 4. Oil products demand\*\*\*

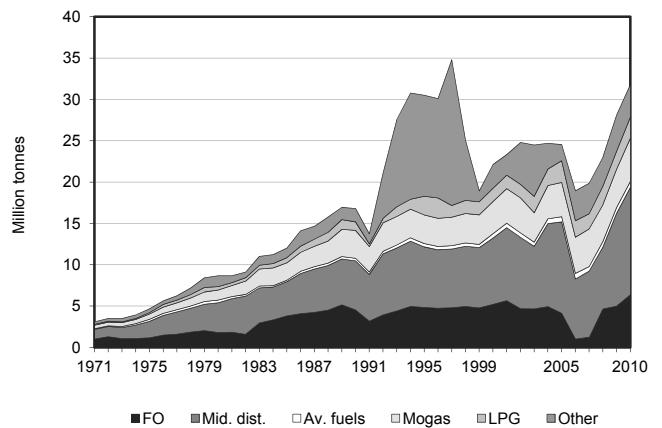


Figure 5. Electricity generation by fuel

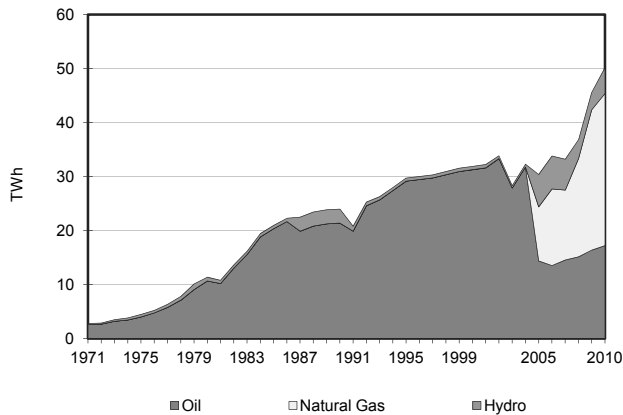
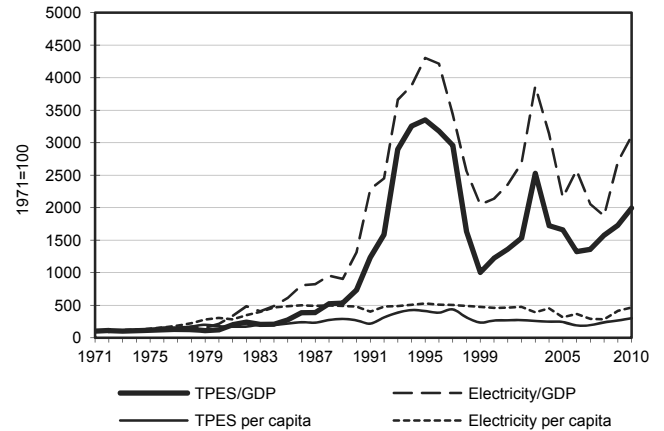


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Iraq

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	119767	-	3859	-	278	-	26	-	-	123929
Imports	-	-	7415	-	-	-	-	-	480	-	7895
Exports	-	-97177	-1395	-	-	-	-	-	-	-	-98572
Intl. marine bunkers	-	-	-139	-	-	-	-	-	-	-	-139
Intl. aviation bunkers	-	-	-740	-	-	-	-	-	-	-	-740
Stock changes	-	-	120	-	-	-	-	-	-	-	120
<b>TPES</b>	-	<b>22590</b>	<b>5260</b>	<b>3859</b>	-	<b>278</b>	-	<b>26</b>	<b>480</b>	-	<b>32492</b>
Electricity and CHP plants	-	-3518	-7396	-3675	-	-278	-	-	3922	-	-10944
Oil refineries	-	-22758	22461	-	-	-	-	-	-	-	-297
Other transformation*	-	3686	-4274	-	-	-	-	-11	-1585	-	-2184
<b>TFC</b>	-	-	<b>16051</b>	<b>184</b>	-	-	-	<b>15</b>	<b>2818</b>	-	<b>19068</b>
<b>INDUSTRY</b>	-	-	<b>2293</b>	<b>184</b>	-	-	-	-	<b>474</b>	-	<b>2950</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	2293	184	-	-	-	-	474	-	2950
<b>TRANSPORT</b>	-	-	<b>9219</b>	-	-	-	-	-	-	-	<b>9219</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	9219	-	-	-	-	-	-	-	9219
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>3983</b>	-	-	-	-	<b>15</b>	<b>2344</b>	-	<b>6342</b>
Residential	-	-	3983	-	-	-	-	-	1154	-	5137
Comm. and public services	-	-	-	-	-	-	-	-	135	-	135
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	15	1054	-	1069
<b>NON-ENERGY USE</b>	-	-	<b>557</b>	-	-	-	-	-	-	-	<b>557</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	16418	25962	-	3227	-	-	-	-	45607
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	121421	-	4188	-	410	-	26	-	-	126045
Imports	-	-	8428	-	-	-	-	-	529	-	8957
Exports	-	-96240	-202	-	-	-	-	-	-	-	-96441
Intl. marine bunkers	-	-	-138	-	-	-	-	-	-	-	-138
Intl. aviation bunkers	-	-	-750	-	-	-	-	-	-	-	-750
Stock changes	-	-	132	-	-	-	-	-	-	-	132
<b>TPES</b>	-	<b>25181</b>	<b>7470</b>	<b>4188</b>	-	<b>410</b>	-	<b>26</b>	<b>529</b>	-	<b>37805</b>
Electricity and CHP plants	-	-3251	-9922	-3989	-	-410	-	-	4314	-	-13258
Oil refineries	-	-26861	26372	-	-	-	-	-	-	-	-489
Other transformation*	-	4931	-6524	-	-	-	-	-11	-1585	-	-3190
<b>TFC</b>	-	-	<b>17395</b>	<b>199</b>	-	-	-	<b>15</b>	<b>3259</b>	-	<b>20868</b>
<b>INDUSTRY</b>	-	-	<b>2456</b>	<b>199</b>	-	-	-	-	<b>540</b>	-	<b>3196</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	2456	199	-	-	-	-	540	-	3196
<b>TRANSPORT</b>	-	-	<b>10045</b>	-	-	-	-	-	-	-	<b>10045</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	10045	-	-	-	-	-	-	-	10045
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>4454</b>	-	-	-	-	<b>15</b>	<b>2719</b>	-	<b>7188</b>
Residential	-	-	4454	-	-	-	-	-	1424	-	5879
Comm. and public services	-	-	-	-	-	-	-	-	189	-	189
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	15	1106	-	1121
<b>NON-ENERGY USE</b>	-	-	<b>439</b>	-	-	-	-	-	-	-	<b>439</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	17222	28179	-	4766	-	-	-	-	50167
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

### Jamaica

Figure 1. Energy production

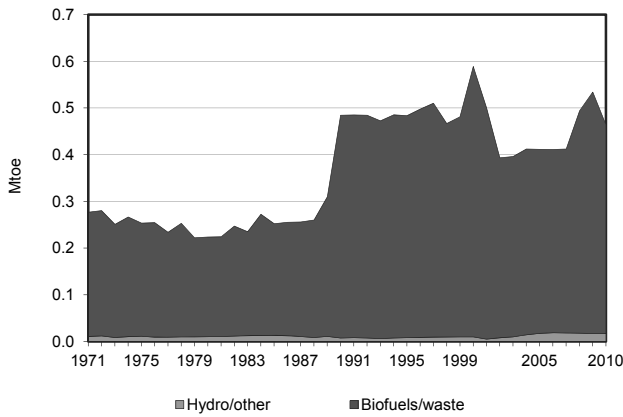


Figure 2. Total primary energy supply\*

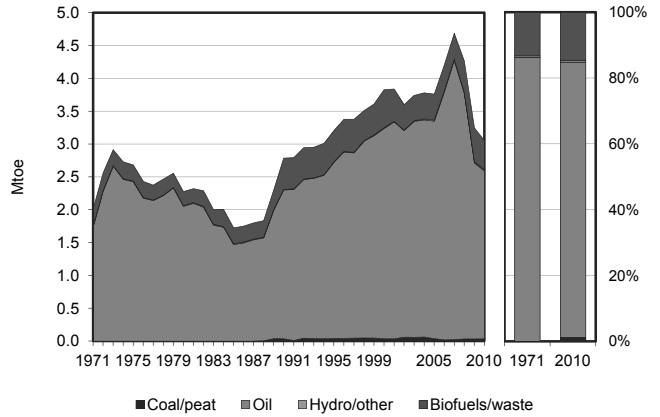


Figure 3. Energy self-sufficiency\*\*

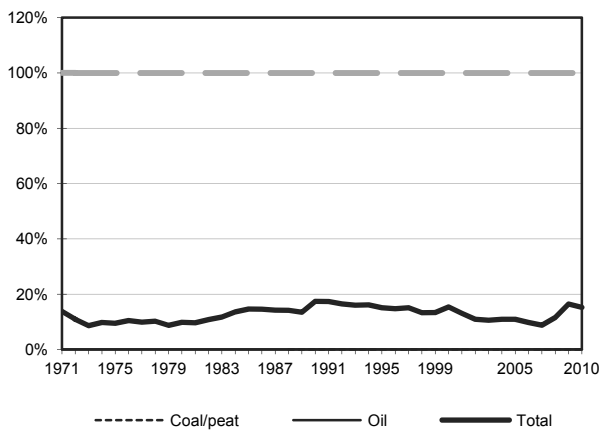


Figure 4. Oil products demand\*\*\*

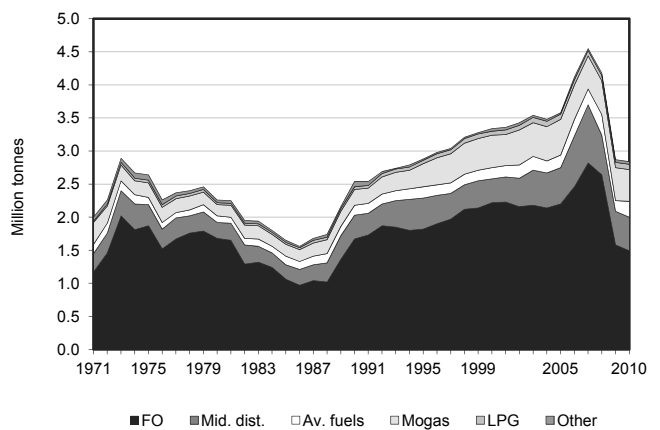


Figure 5. Electricity generation by fuel

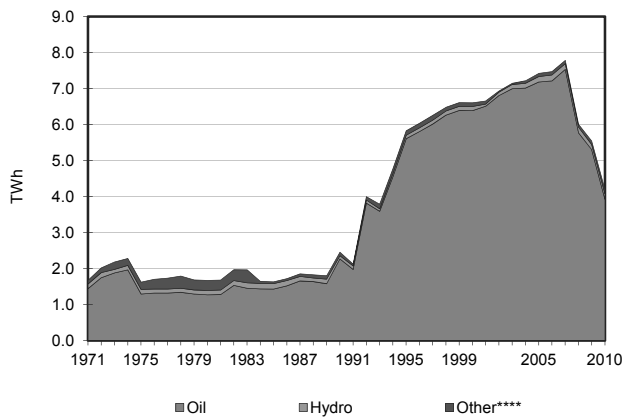
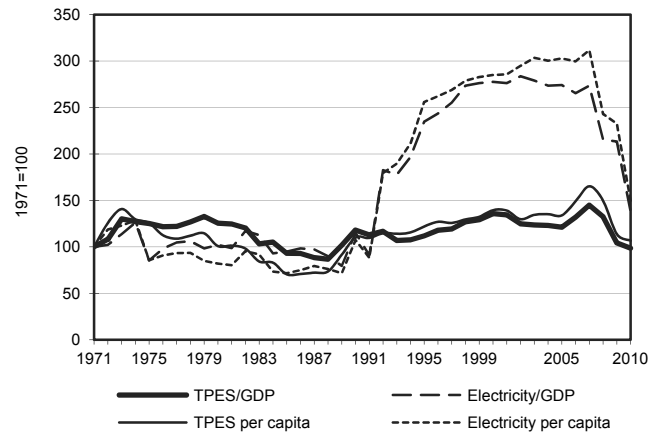


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Jamaica

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	12	5	517	-	-	534
Imports	22	1198	1503	-	-	-	-	-	-	-	2724
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-40	-	-	-	-	-	-	-	-40
Intl. aviation bunkers	-	-	-175	-	-	-	-	-	-	-	-175
Stock changes	12	-	195	-	-	-	-	-	-	-	207
<b>TPES</b>	<b>34</b>	<b>1198</b>	<b>1483</b>	-	-	<b>12</b>	<b>5</b>	<b>517</b>	-	-	<b>3250</b>
Electricity and CHP plants	-	-	-951	-	-	-12	-5	-54	477	-	-545
Oil refineries	-	-1198	1157	-	-	-	-	-	-	-	-42
Other transformation*	-	-	19	-	-	-	-	-159	-41	-	-181
<b>TFC</b>	<b>34</b>	-	<b>1709</b>	-	-	-	-	<b>304</b>	<b>435</b>	-	<b>2482</b>
<b>INDUSTRY</b>	<b>34</b>	-	<b>42</b>	-	-	-	-	<b>92</b>	<b>217</b>	-	<b>385</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	34	-	-	-	-	-	-	-	-	-	34
Other/non-specified	-	-	42	-	-	-	-	92	217	-	350
<b>TRANSPORT</b>	-	-	<b>977</b>	-	-	-	-	-	-	-	<b>977</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	510	-	-	-	-	-	-	-	510
Other/non-specified	-	-	467	-	-	-	-	-	-	-	467
<b>OTHER</b>	-	-	<b>650</b>	-	-	-	-	<b>212</b>	<b>218</b>	-	<b>1081</b>
Residential	-	-	46	-	-	-	-	212	94	-	352
Comm. and public services	-	-	52	-	-	-	-	-	125	-	177
Agriculture/forestry	-	-	551	-	-	-	-	-	-	-	551
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>39</b>	-	-	-	-	-	-	-	<b>39</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5304	-	-	140	59	38	-	-	5541
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

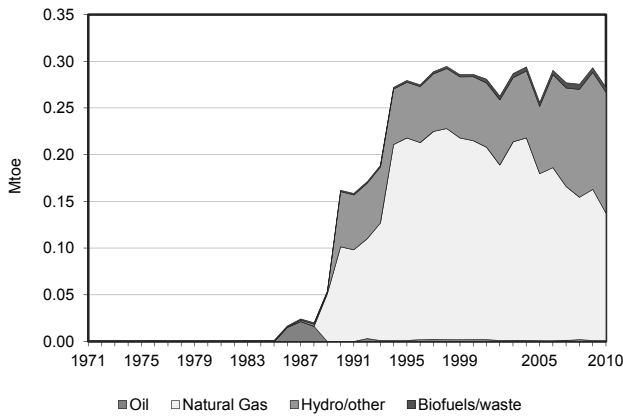
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	13	5	446	-	-	464
Imports	36	1155	1619	-	-	-	-	-	-	-	2811
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-40	-	-	-	-	-	-	-	-40
Intl. aviation bunkers	-	-	-256	-	-	-	-	-	-	-	-256
Stock changes	-	-	75	-	-	-	-	-	-	-	75
<b>TPES</b>	<b>36</b>	<b>1155</b>	<b>1399</b>	-	-	<b>13</b>	<b>5</b>	<b>446</b>	-	-	<b>3054</b>
Electricity and CHP plants	-	-	-939	-	-	-13	-5	-91	361	-	-687
Oil refineries	-	-1155	1136	-	-	-	-	-	-	-	-19
Other transformation*	-	-	-50	-	-	-	-	-124	-82	-	-257
<b>TFC</b>	<b>36</b>	-	<b>1545</b>	-	-	-	-	<b>231</b>	<b>279</b>	-	<b>2091</b>
<b>INDUSTRY</b>	<b>36</b>	-	<b>24</b>	-	-	-	-	<b>58</b>	<b>61</b>	-	<b>179</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	36	-	-	-	-	-	-	-	-	-	36
Other/non-specified	-	-	24	-	-	-	-	58	61	-	143
<b>TRANSPORT</b>	-	-	<b>934</b>	-	-	-	-	-	-	-	<b>934</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	492	-	-	-	-	-	-	-	492
Other/non-specified	-	-	441	-	-	-	-	-	-	-	441
<b>OTHER</b>	-	-	<b>549</b>	-	-	-	-	<b>173</b>	<b>218</b>	-	<b>940</b>
Residential	-	-	52	-	-	-	-	173	96	-	320
Comm. and public services	-	-	63	-	-	-	-	-	122	-	185
Agriculture/forestry	-	-	435	-	-	-	-	-	-	-	435
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>38</b>	-	-	-	-	-	-	-	<b>38</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3925	-	-	152	53	64	-	-	4194
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

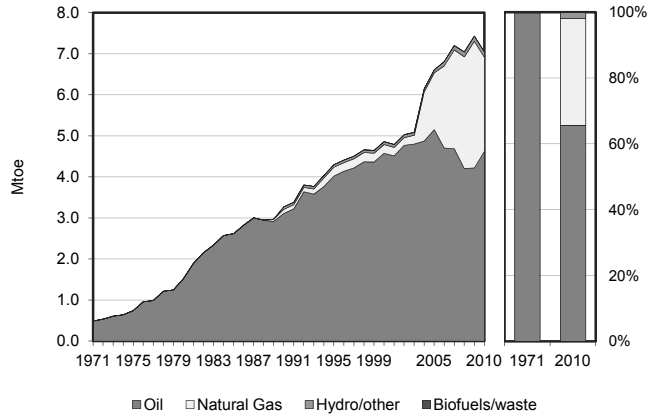
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Jordan

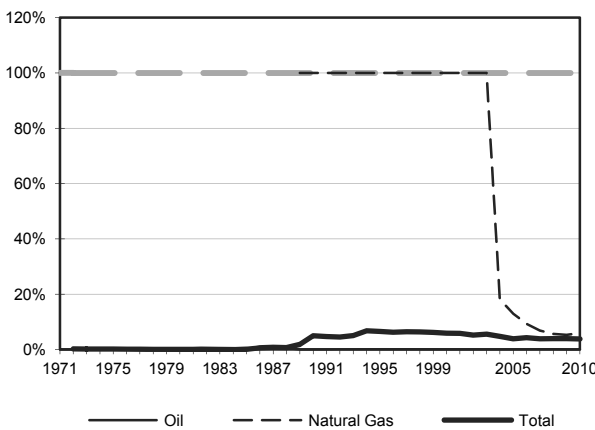
**Figure 1. Energy production**



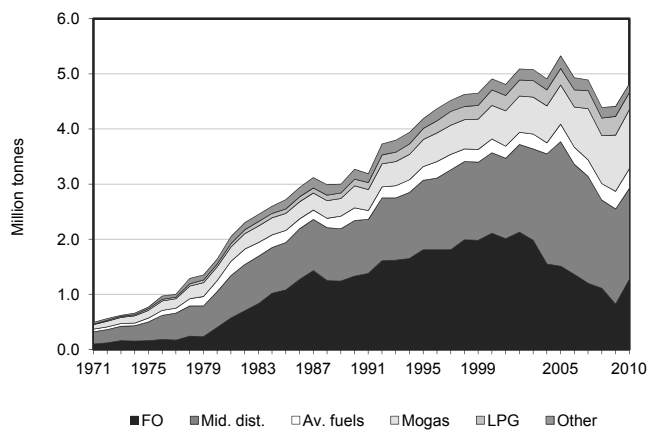
**Figure 2. Total primary energy supply\***



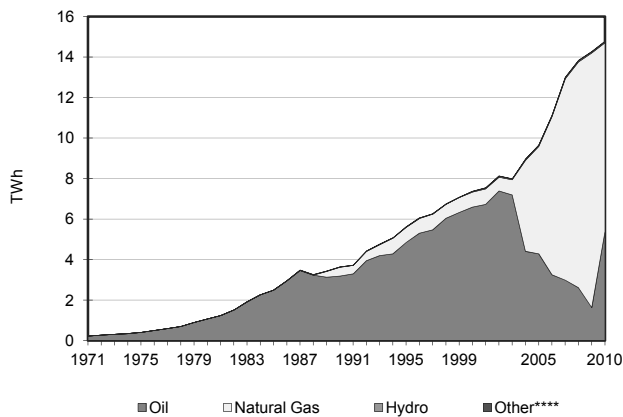
**Figure 3. Energy self-sufficiency\*\***



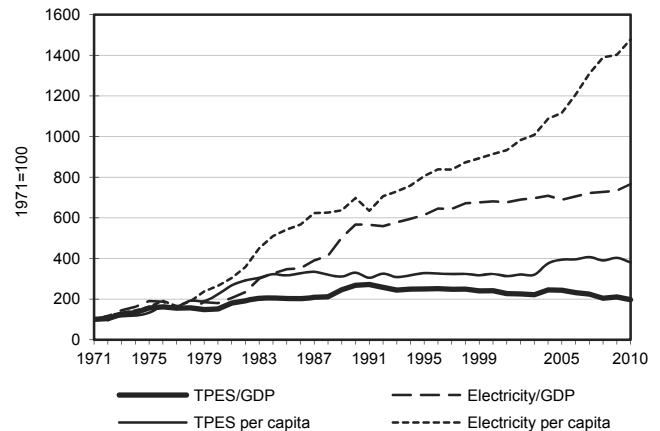
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Jordan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	1	-	162	-	5	120	5	-	-	293
Imports	-	3633	922	2923	-	-	-	1	33	-	7512
Exports	-	-	-	-	-	-	-	-	-12	-	-12
Intl. marine bunkers	-	-	-38	-	-	-	-	-	-	-	-38
Intl. aviation bunkers	-	-	-330	-	-	-	-	-	-	-	-330
Stock changes	-	12	20	-	-	-	-	-	-	-	32
<b>TPES</b>	-	<b>3646</b>	<b>575</b>	<b>3085</b>	-	<b>5</b>	<b>120</b>	<b>6</b>	<b>21</b>	-	<b>7458</b>
Electricity and CHP plants	-	-	-336	-3085	-	-5	-0	-2	1227	-	-2201
Oil refineries	-	-3647	3569	-	-	-	-	-	-	-	-78
Other transformation*	-	1	-219	-0	-	-	-	-	-204	-	-422
<b>TFC</b>	-	-	<b>3589</b>	-	-	-	<b>120</b>	<b>4</b>	<b>1045</b>	-	<b>4757</b>
<b>INDUSTRY</b>	-	-	<b>845</b>	-	-	-	-	-	<b>250</b>	-	<b>1095</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	10	-	10
Non-metallic minerals	-	-	-	-	-	-	-	-	36	-	36
Other/non-specified	-	-	845	-	-	-	-	-	204	-	1050
<b>TRANSPORT</b>	-	-	<b>1729</b>	-	-	-	-	-	-	-	<b>1729</b>
Domestic aviation	-	-	7	-	-	-	-	-	-	-	7
Road	-	-	1714	-	-	-	-	-	-	-	1714
Other/non-specified	-	-	8	-	-	-	-	-	-	-	8
<b>OTHER</b>	-	-	<b>885</b>	-	-	-	<b>120</b>	<b>4</b>	<b>795</b>	-	<b>1803</b>
Residential	-	-	554	-	-	-	105	3	420	-	1083
Comm. and public services	-	-	188	-	-	-	15	-	222	-	425
Agriculture/forestry	-	-	-	-	-	-	-	-	152	-	152
Other/non-specified	-	-	142	-	-	-	-	1	-	-	143
<b>NON-ENERGY USE</b>	-	-	<b>130</b>	-	-	-	-	-	-	-	<b>130</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1633	12570	-	59	3	7	-	-	14272
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

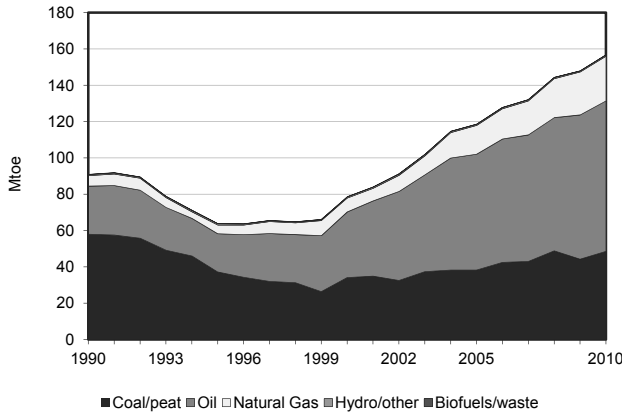
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	1	-	136	-	5	124	5	-	-	272
Imports	-	3484	1639	2152	-	-	-	1	168	-	7443
Exports	-	-	-	-	-	-	-	-	-14	-	-14
Intl. marine bunkers	-	-	-17	-	-	-	-	-	-	-	-17
Intl. aviation bunkers	-	-	-363	-	-	-	-	-	-	-	-363
Stock changes	-	-46	-71	-	-	-	-	-	-	-	-116
<b>TPES</b>	-	<b>3439</b>	<b>1188</b>	<b>2288</b>	-	<b>5</b>	<b>124</b>	<b>6</b>	<b>153</b>	-	<b>7204</b>
Electricity and CHP plants	-	-	-943	-2288	-	-5	-0	-2	1271	-	-1967
Oil refineries	-	-3440	3399	-	-	-	-	-	-	-	-41
Other transformation*	-	1	-268	-	-	-	-	-	-319	-	-586
<b>TFC</b>	-	-	<b>3378</b>	-	-	-	<b>124</b>	<b>4</b>	<b>1105</b>	-	<b>4610</b>
<b>INDUSTRY</b>	-	-	<b>733</b>	-	-	-	-	-	<b>280</b>	-	<b>1014</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	11	-	11
Non-metallic minerals	-	-	-	-	-	-	-	-	40	-	40
Other/non-specified	-	-	733	-	-	-	-	-	229	-	963
<b>TRANSPORT</b>	-	-	<b>1752</b>	-	-	-	-	-	-	-	<b>1752</b>
Domestic aviation	-	-	7	-	-	-	-	-	-	-	7
Road	-	-	1738	-	-	-	-	-	-	-	1738
Other/non-specified	-	-	7	-	-	-	-	-	-	-	7
<b>OTHER</b>	-	-	<b>770</b>	-	-	-	<b>124</b>	<b>4</b>	<b>824</b>	-	<b>1722</b>
Residential	-	-	461	-	-	-	108	3	449	-	1021
Comm. and public services	-	-	175	-	-	-	16	-	188	-	378
Agriculture/forestry	-	-	-	-	-	-	-	-	188	-	188
Other/non-specified	-	-	134	-	-	-	-	1	-	-	135
<b>NON-ENERGY USE</b>	-	-	<b>122</b>	-	-	-	-	-	-	-	<b>122</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5384	9324	-	61	3	7	-	-	14779
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

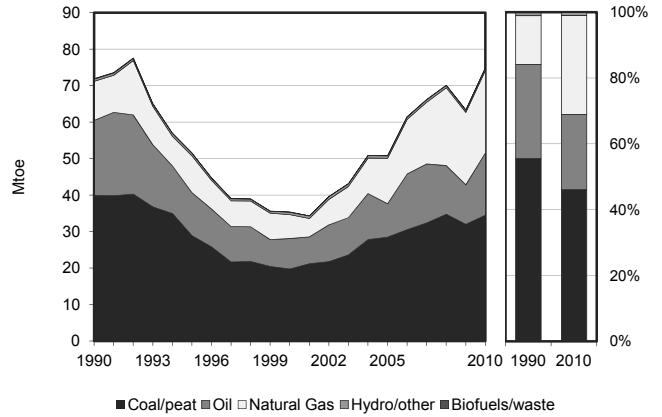
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Kazakhstan

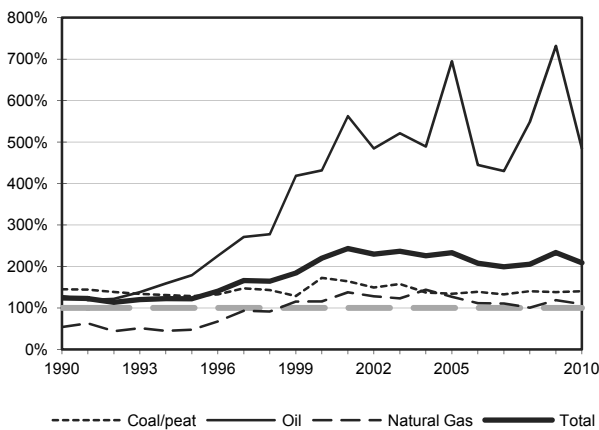
**Figure 1. Energy production**



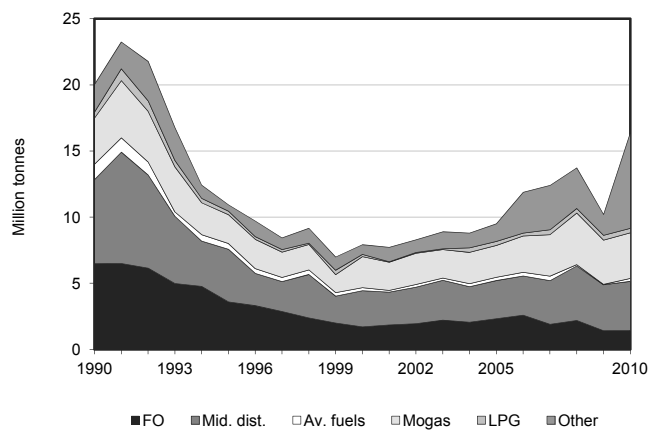
**Figure 2. Total primary energy supply\***



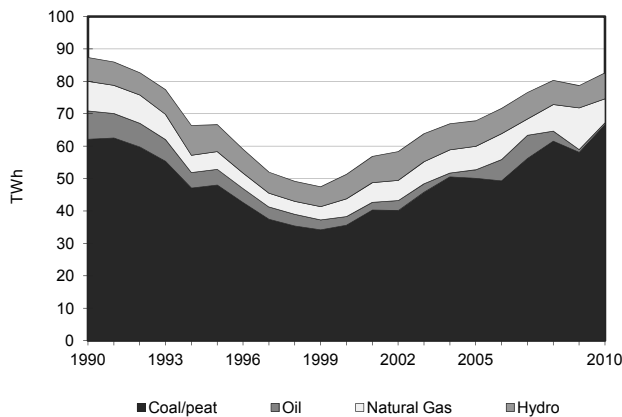
**Figure 3. Energy self-sufficiency\*\***



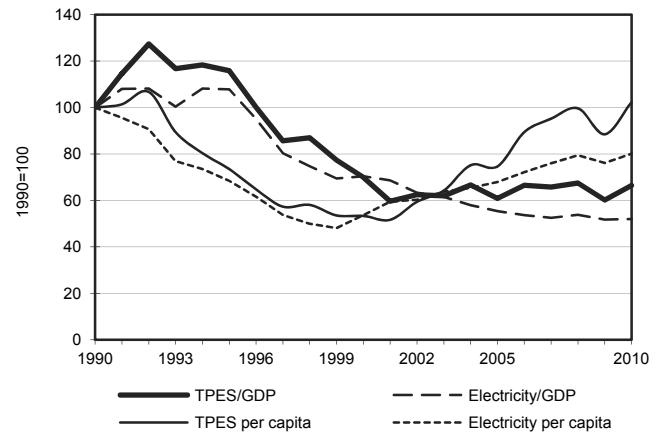
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Kazakhstan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	44282	79390	-	23618	-	592	-	67	-	-	147948
Imports	526	6137	1652	1807	-	-	-	-	147	-	10269
Exports	-12686	-70393	-6033	-5552	-	-	-	-	-205	-	-94868
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-24	-	-	-	-	-	-	-	-24
Stock changes	-108	45	74	-12	-	-	-	-	-	-	-1
<b>TPES</b>	<b>32014</b>	<b>15179</b>	<b>-4331</b>	<b>19861</b>	<b>-</b>	<b>592</b>	<b>-</b>	<b>67</b>	<b>-57</b>	<b>-</b>	<b>63324</b>
Transfers	-	-1040	1142	-	-	-	-	-	-	-	101
Statistical differences	1284	-291	546	862	-	-	-	-	60	-18	2443
Electricity plants	-	-2	-	-	-	-592	-	-	592	-	-2
CHP plants	-17034	-	-251	-3158	-	-	-	-	6177	9337	-4929
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-747	-	-	-	-	-	-	-	-	-	-747
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-1011	-	-	-	-	-	-	-	-	-	-1011
Oil refineries	-	-12685	11883	-	-	-	-	-	-	-	-802
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-776	-200	-515	-14073	-	-	-	-	-1832	-2306	-19702
Losses	-490	-620	-17	-965	-	-	-	-	-557	-1109	-3757
<b>TFC</b>	<b>13240</b>	<b>341</b>	<b>8457</b>	<b>2527</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>67</b>	<b>4384</b>	<b>5903</b>	<b>34919</b>
<b>INDUSTRY</b>	<b>9457</b>	<b>-</b>	<b>1679</b>	<b>1314</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3013</b>	<b>2429</b>	<b>17891</b>
Iron and steel	3187	-	633	265	-	-	-	-	1944	1448	7477
Chemical and petrochemical	31	-	26	246	-	-	-	-	175	119	598
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	499	-	51	178	-	-	-	-	62	8	798
Transport equipment	1	-	1	3	-	-	-	-	1	4	10
Machinery	10	-	10	8	-	-	-	-	69	25	122
Mining and quarrying	792	-	259	349	-	-	-	-	369	124	1894
Food and tobacco	120	-	104	208	-	-	-	-	121	331	884
Paper pulp and printing	-	-	1	12	-	-	-	-	1	10	24
Wood and wood products	0	-	1	1	-	-	-	-	1	3	6
Construction	35	-	135	42	-	-	-	-	105	172	489
Textile and leather	5	-	3	3	-	-	-	-	3	2	17
Non-specified	4776	-	455	-	-	-	-	-	162	181	5574
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>4156</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>235</b>	<b>-</b>	<b>4391</b>
Domestic aviation	-	-	9	-	-	-	-	-	-	-	9
Road	-	-	3937	-	-	-	-	-	-	-	3937
Rail	-	-	199	-	-	-	-	-	77	-	276
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	10	-	-	-	-	-	-	-	10
Non-specified	-	-	-	-	-	-	-	-	158	-	158
<b>OTHER</b>	<b>3783</b>	<b>341</b>	<b>2308</b>	<b>1214</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>67</b>	<b>1136</b>	<b>3474</b>	<b>12323</b>
Residential	1107	-	846	901	-	-	-	62	734	2298	5949
Comm. and publ. services	702	-	966	301	-	-	-	-	364	898	3231
Agriculture/forestry	177	-	449	12	-	-	-	-	37	278	953
Fishing	-	-	1	-	-	-	-	-	0	-	1
Non-specified	1797	341	46	-	-	-	-	4	-	-	2188
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>313</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>313</b>
in industry/transf./energy	-	-	313	-	-	-	-	-	-	-	313
of which: feedstocks	-	-	3	-	-	-	-	-	-	-	3
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>58090</b>	<b>-</b>	<b>884</b>	<b>12857</b>	<b>-</b>	<b>6879</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>78710</b>
Electricity plants	-	-	-	-	-	6879	-	-	-	-	6879
CHP plants	58090	-	884	12857	-	-	-	-	-	-	71831
<b>Heat generated - TJ</b>	<b>390984</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>390984</b>
CHP plants	390984	-	-	-	-	-	-	-	-	-	390984
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Kazakhstan

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	48547	82864	-	24599	-	690	-	50	-	-	156750
Imports	589	6085	1729	2946	-	-	-	-	251	-	11600
Exports	-13766	-65527	-6724	-5224	-	-	-	-	-151	-	-91392
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-84	-	-	-	-	-	-	-	-84
Stock changes	-855	-991	-256	237	-	-	-	-	-	-	-1866
<b>TPES</b>	<b>34515</b>	<b>22430</b>	<b>-5335</b>	<b>22558</b>	-	<b>690</b>	-	<b>50</b>	<b>100</b>	-	<b>75008</b>
Transfers	-	-1278	1403	-	-	-	-	-	-	-	125
Statistical differences	1404	-40	435	1340	-	-	-	-	55	-0	3194
Electricity plants	-	-	-	-	-	-690	-	-	690	-	-
CHP plants	-18020	-	-178	-1804	-	-	-	-	6418	9609	-3976
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-768	-	-	-	-	-	-	-	-	-	-768
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-1064	-	-	-	-	-	-	-	-	-	-1064
Oil refineries	-	-14278	13292	-	-	-	-	-	-	-	-986
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-815	-377	-553	-17901	-	-	-	-	-1755	-2167	-23570
Losses	-876	-729	-16	-992	-	-	-	-	-570	-1058	-4241
<b>TFC</b>	<b>14375</b>	<b>5729</b>	<b>9048</b>	<b>3200</b>	-	-	-	<b>50</b>	<b>4936</b>	<b>6384</b>	<b>43722</b>
<b>INDUSTRY</b>	<b>10284</b>	-	<b>1816</b>	<b>1475</b>	-	-	-	-	<b>3450</b>	<b>2956</b>	<b>19982</b>
Iron and steel	3201	-	769	283	-	-	-	-	2240	1514	8007
Chemical and petrochemical	30	-	21	178	-	-	-	-	238	116	583
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	605	-	138	175	-	-	-	-	59	1	979
Transport equipment	0	-	1	3	-	-	-	-	2	5	11
Machinery	13	-	13	9	-	-	-	-	32	27	94
Mining and quarrying	751	-	313	473	-	-	-	-	382	246	2165
Food and tobacco	130	-	97	274	-	-	-	-	139	301	939
Paper pulp and printing	-	-	2	13	-	-	-	-	2	10	27
Wood and wood products	0	-	1	1	-	-	-	-	1	2	5
Construction	37	-	92	55	-	-	-	-	39	88	311
Textile and leather	4	-	2	10	-	-	-	-	1	1	17
Non-specified	5513	-	367	-	-	-	-	-	316	647	6843
<b>TRANSPORT</b>	-	-	<b>4442</b>	-	-	-	-	-	<b>269</b>	-	<b>4710</b>
Domestic aviation	-	-	140	-	-	-	-	-	-	-	140
Road	-	-	4088	-	-	-	-	-	-	-	4088
Rail	-	-	195	-	-	-	-	-	56	-	251
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	18	-	-	-	-	-	-	-	18
Non-specified	-	-	-	-	-	-	-	-	213	-	213
<b>OTHER</b>	<b>4091</b>	<b>5729</b>	<b>2447</b>	<b>1725</b>	-	-	-	<b>50</b>	<b>1217</b>	<b>3427</b>	<b>18686</b>
Residential	1191	-	754	1166	-	-	-	42	764	2335	6252
Comm. and publ. services	760	-	1122	541	-	-	-	-	400	879	3702
Agriculture/forestry	185	-	408	18	-	-	-	-	53	213	877
Fishing	-	-	-	-	-	-	-	-	0	-	0
Non-specified	1955	5729	162	-	-	-	-	9	-	-	7855
<b>NON-ENERGY USE</b>	-	-	<b>344</b>	-	-	-	-	-	-	-	<b>344</b>
in industry/transf./energy	-	-	344	-	-	-	-	-	-	-	344
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>66657</b>	-	<b>620</b>	<b>7347</b>	-	<b>8022</b>	-	-	-	-	<b>82646</b>
Electricity plants	-	-	-	-	-	8022	-	-	-	-	8022
CHP plants	66657	-	620	7347	-	-	-	-	-	-	74624
<b>Heat generated - TJ</b>	<b>402385</b>	-	-	-	-	-	-	-	-	-	<b>402385</b>
CHP plants	402385	-	-	-	-	-	-	-	-	-	402385
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Kenya

Figure 1. Energy production

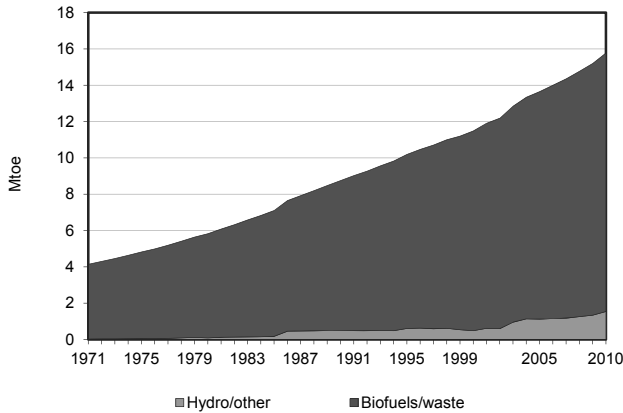


Figure 2. Total primary energy supply\*

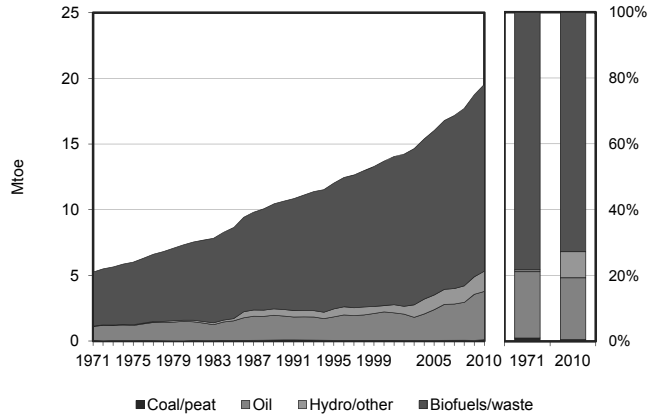


Figure 3. Energy self-sufficiency\*\*

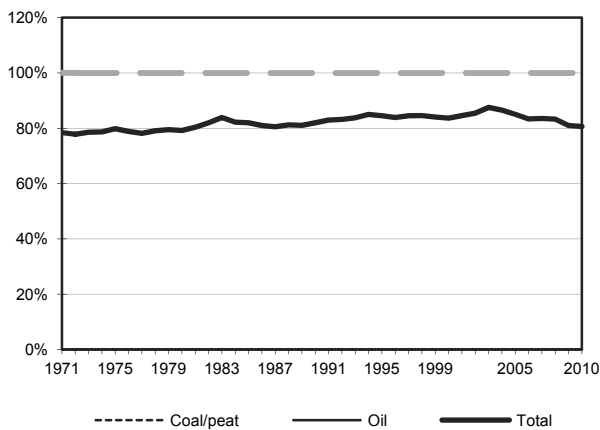


Figure 4. Oil products demand\*\*\*

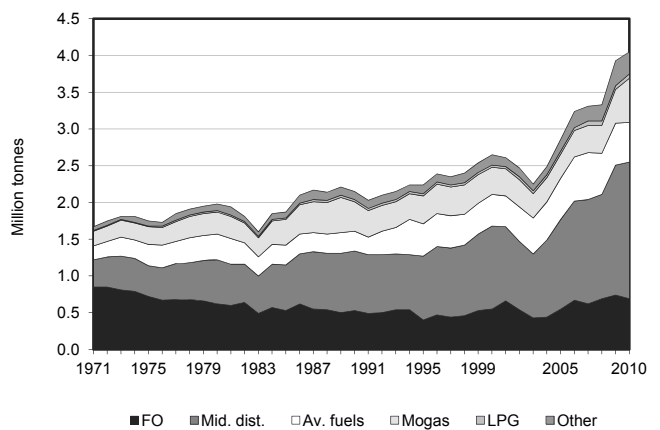


Figure 5. Electricity generation by fuel

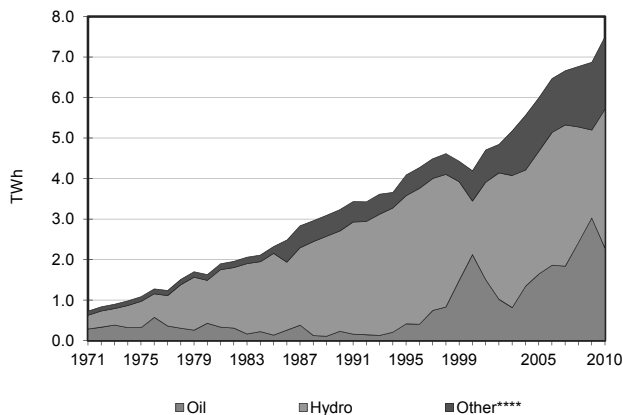
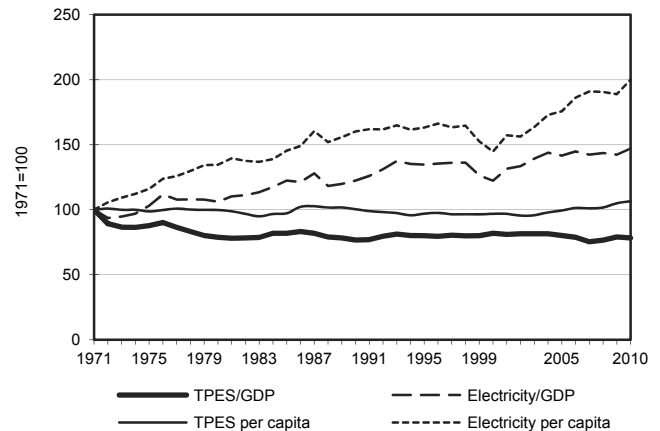


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Kenya

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	187	1152	13866	-	-	15205
Imports	59	1636	2557	-	-	-	-	-	3	-	4255
Exports	-	-	-77	-	-	-	-	-	-2	-	-80
Intl. marine bunkers	-	-	-8	-	-	-	-	-	-	-	-8
Intl. aviation bunkers	-	-	-608	-	-	-	-	-	-	-	-608
Stock changes	-	10	-	-	-	-	-	-	-	-	10
<b>TPES</b>	<b>59</b>	<b>1646</b>	<b>1863</b>	-	-	<b>187</b>	<b>1152</b>	<b>13866</b>	<b>1</b>	-	<b>18774</b>
Electricity and CHP plants	-	-	-864	-	-	-187	-1152	-91	591	-	-1703
Oil refineries	-	-1646	1570	-	-	-	-	-	-	-	-76
Other transformation*	-	-	-83	-	-	-	-	-4641	-96	-	-4820
<b>TFC</b>	<b>59</b>	-	<b>2487</b>	-	-	-	-	<b>9135</b>	<b>496</b>	-	<b>12176</b>
<b>INDUSTRY</b>	<b>59</b>	-	<b>421</b>	-	-	-	-	-	<b>290</b>	-	<b>769</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	59	-	-	-	-	-	-	-	-	-	59
Other/non-specified	-	-	421	-	-	-	-	-	290	-	711
<b>TRANSPORT</b>	-	-	<b>1297</b>	-	-	-	-	-	-	-	<b>1297</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	1234	-	-	-	-	-	-	-	1234
Other/non-specified	-	-	62	-	-	-	-	-	-	-	62
<b>OTHER</b>	-	-	<b>497</b>	-	-	-	-	<b>9135</b>	<b>206</b>	-	<b>9838</b>
Residential	-	-	335	-	-	-	-	9135	135	-	9606
Comm. and public services	-	-	-	-	-	-	-	-	71	-	71
Agriculture/forestry	-	-	82	-	-	-	-	-	-	-	82
Other/non-specified	-	-	80	-	-	-	-	-	-	-	80
<b>NON-ENERGY USE</b>	-	-	<b>272</b>	-	-	-	-	-	-	-	<b>272</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3029	-	-	2170	1355	316	-	-	6870
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	295	1251	14233	-	-	15779
Imports	102	1560	2688	-	-	-	-	-	3	-	4352
Exports	-	-	-66	-	-	-	-	-	-3	-	-69
Intl. marine bunkers	-	-	-6	-	-	-	-	-	-	-	-6
Intl. aviation bunkers	-	-	-575	-	-	-	-	-	-	-	-575
Stock changes	-	81	-	-	-	-	-	-	-	-	81
<b>TPES</b>	<b>102</b>	<b>1641</b>	<b>2040</b>	-	-	<b>295</b>	<b>1251</b>	<b>14233</b>	-	-	<b>19562</b>
Electricity and CHP plants	-	-	-652	-	-	-295	-1251	-91	645	-	-1643
Oil refineries	-	-1641	1556	-	-	-	-	-	-	-	-85
Other transformation*	-	-	-82	-	-	-	-	-4764	-106	-	-4952
<b>TFC</b>	<b>102</b>	-	<b>2862</b>	-	-	-	-	<b>9379</b>	<b>539</b>	-	<b>12881</b>
<b>INDUSTRY</b>	<b>102</b>	-	<b>531</b>	-	-	-	-	-	<b>312</b>	-	<b>945</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	102	-	-	-	-	-	-	-	-	-	102
Other/non-specified	-	-	531	-	-	-	-	-	312	-	843
<b>TRANSPORT</b>	-	-	<b>1571</b>	-	-	-	-	-	-	-	<b>1571</b>
Domestic aviation	-	-	3	-	-	-	-	-	-	-	3
Road	-	-	1496	-	-	-	-	-	-	-	1496
Other/non-specified	-	-	72	-	-	-	-	-	-	-	72
<b>OTHER</b>	-	-	<b>522</b>	-	-	-	-	<b>9379</b>	<b>227</b>	-	<b>10128</b>
Residential	-	-	324	-	-	-	-	9379	149	-	9852
Comm. and public services	-	-	-	-	-	-	-	-	78	-	78
Agriculture/forestry	-	-	101	-	-	-	-	-	-	-	101
Other/non-specified	-	-	97	-	-	-	-	-	-	-	97
<b>NON-ENERGY USE</b>	-	-	<b>238</b>	-	-	-	-	-	-	-	<b>238</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2287	-	-	3427	1471	316	-	-	7501
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Democratic People's Republic of Korea

Figure 1. Energy production

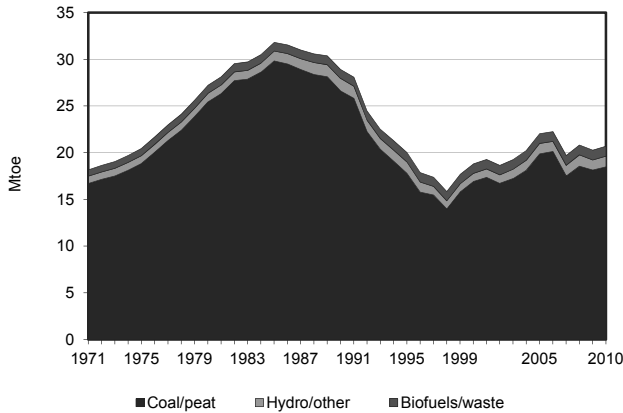


Figure 2. Total primary energy supply\*

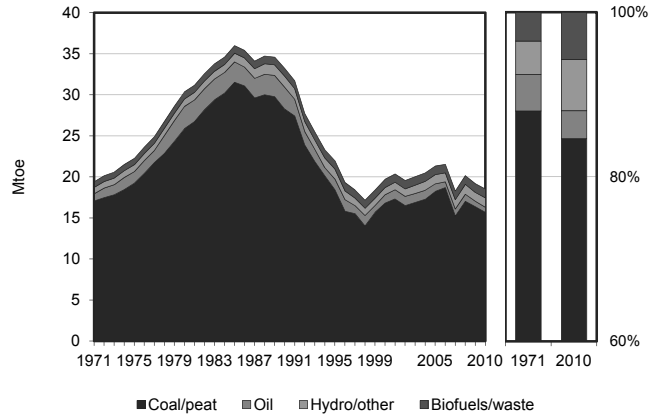


Figure 3. Energy self-sufficiency\*\*

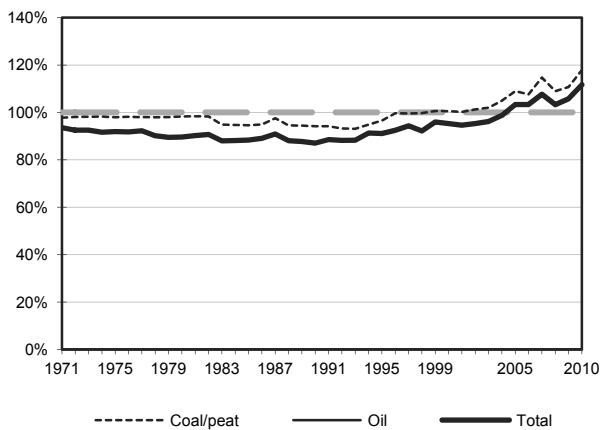


Figure 4. Oil products demand\*\*\*

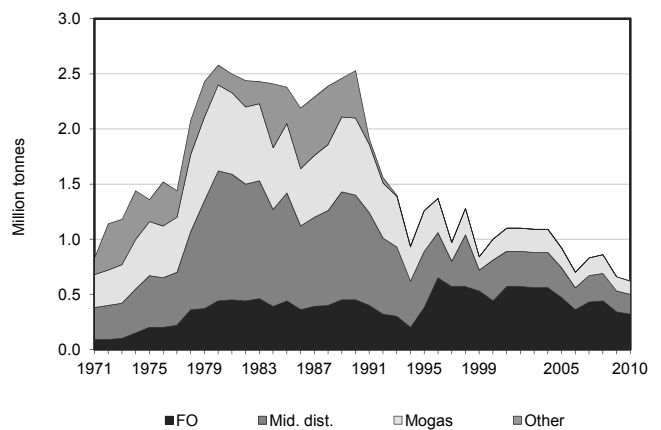


Figure 5. Electricity generation by fuel

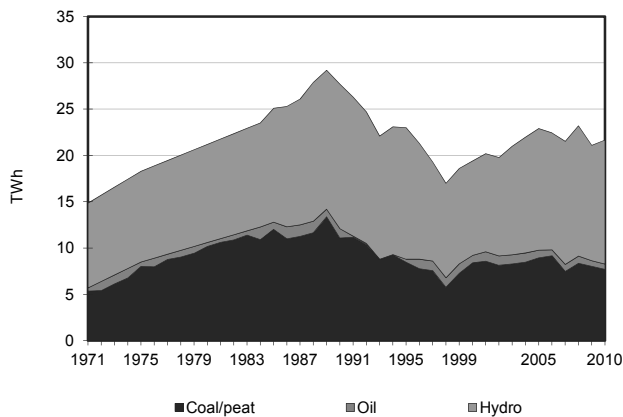
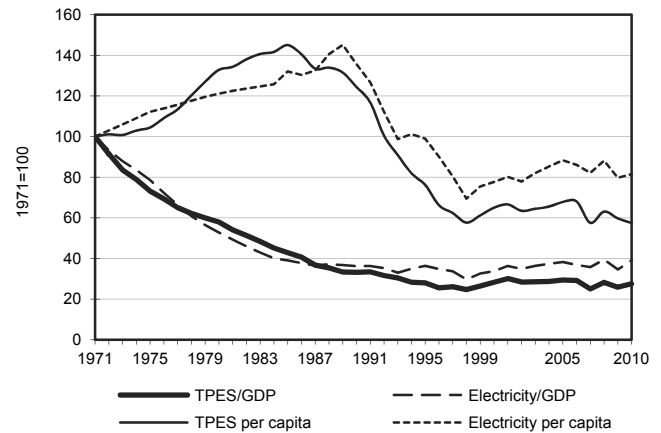


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Democratic People's Republic of Korea

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	18146	-	-	-	-	1072	-	1060	-	-	20278
Imports	152	345	316	-	-	-	-	-	-	-	813
Exports	-1914	-	-	-	-	-	-	-	-	-	-1914
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>16383</b>	<b>345</b>	<b>316</b>	-	-	<b>1072</b>	-	<b>1060</b>	-	-	<b>19176</b>
Electricity and CHP plants	-2495	-	-256	-	-	-1072	-	-	1814	-	-2009
Oil refineries	-	-345	343	-	-	-	-	-	-	-	-3
Other transformation*	-72	-	-10	-	-	-	-	-	-459	-	-540
<b>TFC</b>	<b>13816</b>	-	<b>392</b>	-	-	-	-	<b>1060</b>	<b>1355</b>	-	<b>16624</b>
<b>INDUSTRY</b>	<b>10553</b>	-	<b>58</b>	-	-	-	-	-	<b>678</b>	-	<b>11288</b>
Iron and steel	66	-	-	-	-	-	-	-	-	-	66
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	10487	-	58	-	-	-	-	-	678	-	11222
<b>TRANSPORT</b>	-	-	<b>310</b>	-	-	-	-	-	-	-	<b>310</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	310	-	-	-	-	-	-	-	310
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>3263</b>	-	<b>25</b>	-	-	-	-	<b>1060</b>	<b>678</b>	-	<b>5026</b>
Residential	-	-	25	-	-	-	-	-	-	-	25
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	3263	-	-	-	-	-	-	1060	678	-	5001
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	8033	-	596	-	-	12464	-	-	-	-	21093
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

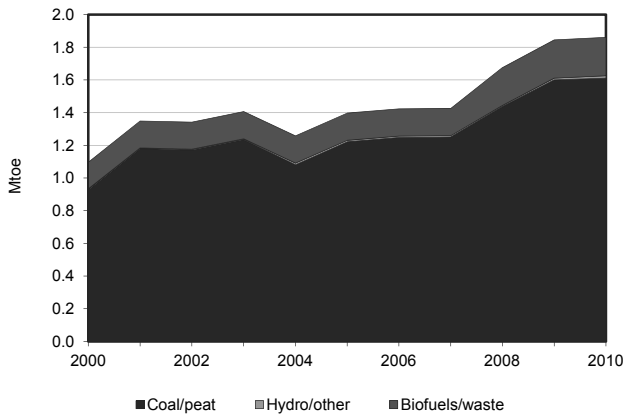
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	18484	-	-	-	-	1153	-	1065	-	-	20702
Imports	133	329	301	-	-	-	-	-	-	-	763
Exports	-2934	-	-	-	-	-	-	-	-	-	-2934
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>15683</b>	<b>329</b>	<b>301</b>	-	-	<b>1153</b>	-	<b>1065</b>	-	-	<b>18531</b>
Electricity and CHP plants	-2391	-	-245	-	-	-1153	-	-	1864	-	-1925
Oil refineries	-	-329	328	-	-	-	-	-	-	-	-1
Other transformation*	-69	-	-10	-	-	-	-	-	-471	-	-550
<b>TFC</b>	<b>13223</b>	-	<b>375</b>	-	-	-	-	<b>1065</b>	<b>1392</b>	-	<b>16056</b>
<b>INDUSTRY</b>	<b>10100</b>	-	<b>55</b>	-	-	-	-	-	<b>696</b>	-	<b>10851</b>
Iron and steel	64	-	-	-	-	-	-	-	-	-	64
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	10037	-	55	-	-	-	-	-	696	-	10788
<b>TRANSPORT</b>	-	-	<b>296</b>	-	-	-	-	-	-	-	<b>296</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	296	-	-	-	-	-	-	-	296
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>3123</b>	-	<b>24</b>	-	-	-	-	<b>1065</b>	<b>696</b>	-	<b>4908</b>
Residential	-	-	24	-	-	-	-	-	-	-	24
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	3123	-	-	-	-	-	-	1065	696	-	4884
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	7696	-	569	-	-	13408	-	-	-	-	21673
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

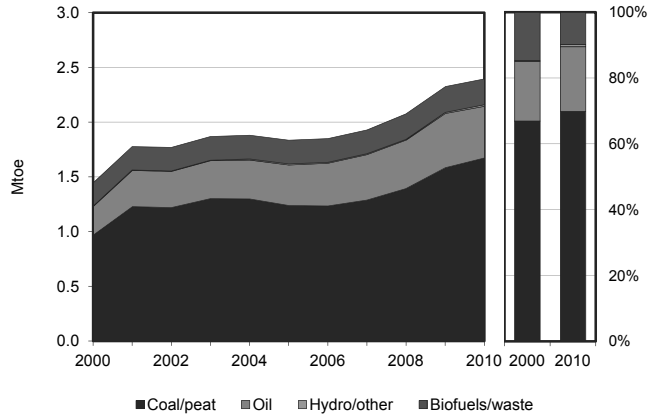
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Kosovo

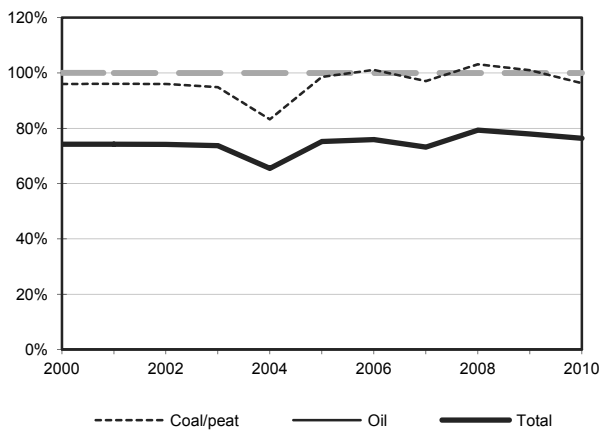
**Figure 1. Energy production**



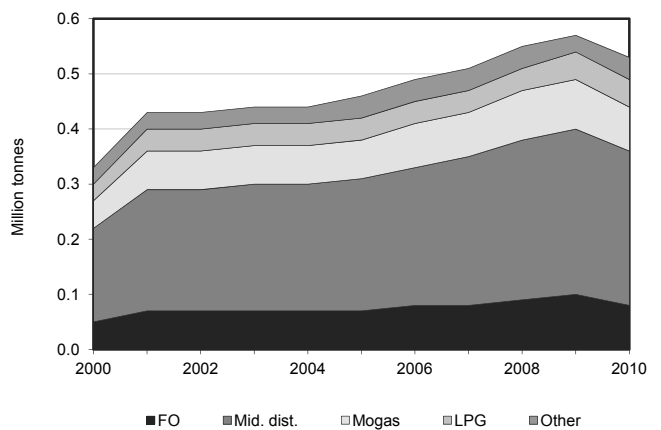
**Figure 2. Total primary energy supply\***



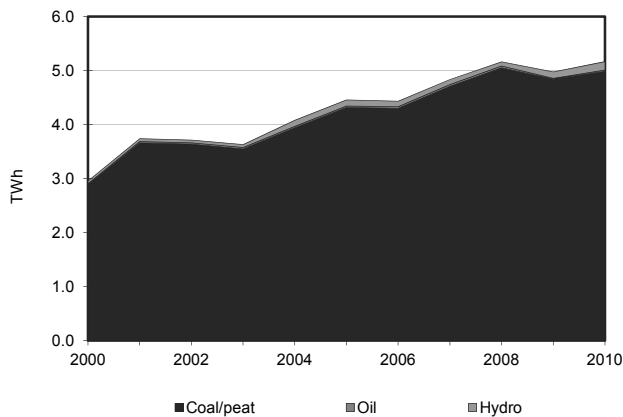
**Figure 3. Energy self-sufficiency\*\***



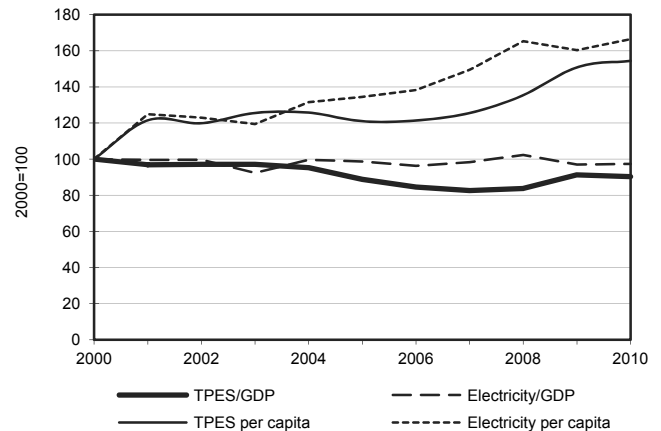
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Kosovo

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1601	-	-	-	-	10	1	234	-	-	1845
Imports	7	-	495	-	-	-	-	1	66	-	569
Exports	-	-	-	-	-	-	-	-	-24	-	-24
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-23	-	-	-	-	-	-	-	-	-	-23
<b>TPES</b>	<b>1585</b>	-	<b>495</b>	-	-	<b>10</b>	<b>1</b>	<b>235</b>	<b>42</b>	-	<b>2368</b>
Electricity and CHP plants	-1538	-	-4	-	-	-10	-	-	428	-	-1124
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	0	-	59	-	-	-	-	-0	-133	9	-65
<b>TFC</b>	<b>48</b>	-	<b>549</b>	-	-	-	<b>1</b>	<b>235</b>	<b>337</b>	<b>9</b>	<b>1178</b>
<b>INDUSTRY</b>	<b>23</b>	-	<b>97</b>	-	-	-	-	<b>11</b>	<b>95</b>	-	<b>225</b>
Iron and steel	3	-	-	-	-	-	-	0	39	-	42
Chemical and petrochemical	-	-	1	-	-	-	-	0	0	-	1
Non-metallic minerals	-	-	25	-	-	-	-	0	5	-	30
Other/non-specified	19	-	71	-	-	-	-	10	51	-	152
<b>TRANSPORT</b>	-	-	<b>340</b>	-	-	-	-	-	-	-	<b>340</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	339	-	-	-	-	-	-	-	339
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	<b>25</b>	-	<b>85</b>	-	-	-	<b>1</b>	<b>224</b>	<b>243</b>	<b>9</b>	<b>586</b>
Residential	22	-	27	-	-	-	0	216	184	6	456
Comm. and public services	2	-	48	-	-	-	0	6	52	3	112
Agriculture/forestry	0	-	10	-	-	-	-	2	6	-	18
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>0</b>	-	<b>26</b>	-	-	-	-	-	-	-	<b>27</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4841	-	15	-	-	120	-	-	-	-	4976
Heat generated - TJ	-	-	495	-	-	-	-	-	-	-	495

2010

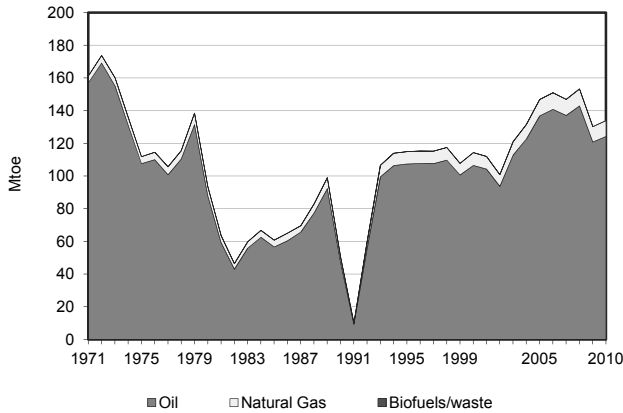
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1612	-	-	-	-	13	1	235	-	-	1861
Imports	28	-	474	-	-	-	-	1	70	-	574
Exports	-3	-	-	-	-	-	-	-	-30	-	-34
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-1	-	-	-	-	-	-	-	-1
Stock changes	37	-	-	-	-	-	-	-	-	-	37
<b>TPES</b>	<b>1673</b>	-	<b>473</b>	-	-	<b>13</b>	<b>1</b>	<b>236</b>	<b>40</b>	-	<b>2436</b>
Electricity and CHP plants	-1598	-	-6	-	-	-13	-0	-	444	-	-1173
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-0	-	59	-	-	-	-0	-0	-132	5	-68
<b>TFC</b>	<b>75</b>	-	<b>525</b>	-	-	-	<b>1</b>	<b>236</b>	<b>353</b>	<b>5</b>	<b>1196</b>
<b>INDUSTRY</b>	<b>47</b>	-	<b>90</b>	-	-	-	-	<b>11</b>	<b>99</b>	-	<b>247</b>
Iron and steel	11	-	-	-	-	-	-	0	40	-	52
Chemical and petrochemical	-	-	1	-	-	-	-	0	0	-	1
Non-metallic minerals	-	-	24	-	-	-	-	0	5	-	29
Other/non-specified	36	-	64	-	-	-	-	10	54	-	165
<b>TRANSPORT</b>	-	-	<b>319</b>	-	-	-	-	-	-	-	<b>319</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	318	-	-	-	-	-	-	-	318
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	<b>28</b>	-	<b>81</b>	-	-	-	<b>1</b>	<b>226</b>	<b>254</b>	<b>5</b>	<b>594</b>
Residential	22	-	26	-	-	-	0	218	193	3	462
Comm. and public services	5	-	44	-	-	-	0	6	55	2	112
Agriculture/forestry	0	-	10	-	-	-	-	2	6	-	19
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>NON-ENERGY USE</b>	<b>0</b>	-	<b>36</b>	-	-	-	-	-	-	-	<b>36</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4989	-	22	-	-	156	1	-	-	-	5168
Heat generated - TJ	-	-	231	-	-	-	-	-	-	-	231

\* Includes transfers, statistical differences, energy industry own use, and losses.

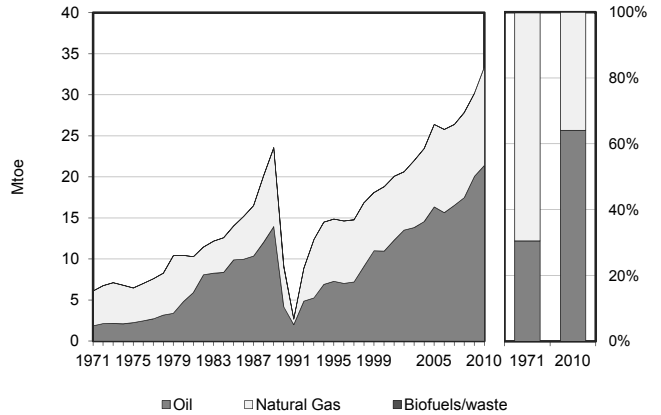


### Kuwait

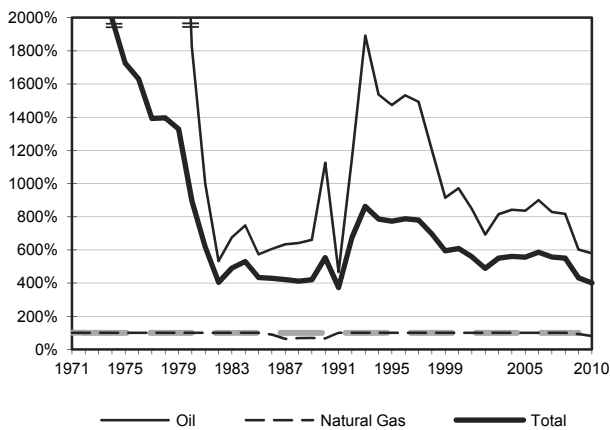
**Figure 1. Energy production**



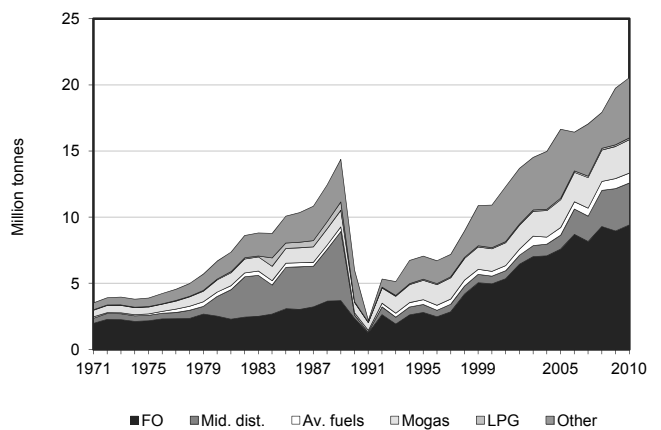
**Figure 2. Total primary energy supply\***



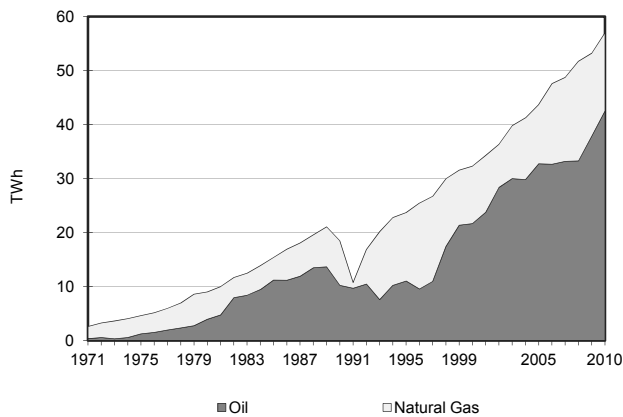
**Figure 3. Energy self-sufficiency\*\***



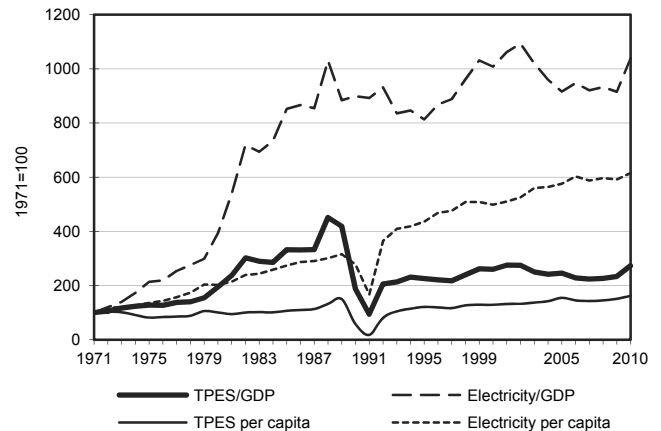
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 2000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Kuwait

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	120858	-	9382	-	-	-	-	-	-	130240
Imports	-	-	-	727	-	-	-	-	-	-	727
Exports	-	-69367	-29941	-	-	-	-	-	-	-	-99308
Intl. marine bunkers	-	-	-375	-	-	-	-	-	-	-	-375
Intl. aviation bunkers	-	-	-812	-	-	-	-	-	-	-	-812
Stock changes	-	-	-299	-	-	-	-	-	-	-	-299
<b>TPES</b>	-	<b>51492</b>	<b>-31427</b>	<b>10109</b>	-	-	-	-	-	-	<b>30173</b>
Electricity and CHP plants	-	-2835	-9258	-3469	-	-	-	-	4577	-	-10985
Oil refineries	-	-44285	42703	-	-	-	-	-	-	-	-1581
Other transformation*	-	-4372	4057	-3930	-	-	-	-	-1626	-	-5872
<b>TFC</b>	-	-	<b>6075</b>	<b>2709</b>	-	-	-	-	<b>2951</b>	-	<b>11735</b>
<b>INDUSTRY</b>	-	-	<b>897</b>	<b>2709</b>	-	-	-	-	-	-	<b>3606</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	1450	-	-	-	-	-	-	1450
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	897	1259	-	-	-	-	-	-	2155
<b>TRANSPORT</b>	-	-	<b>3949</b>	-	-	-	-	-	-	-	<b>3949</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	3949	-	-	-	-	-	-	-	3949
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>186</b>	-	-	-	-	-	<b>2951</b>	-	<b>3136</b>
Residential	-	-	186	-	-	-	-	-	1924	-	2109
Comm. and public services	-	-	-	-	-	-	-	-	1027	-	1027
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>1044</b>	-	-	-	-	-	-	-	<b>1044</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	37877	15339	-	-	-	-	-	-	53216
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	124212	-	9718	-	-	-	-	-	-	133930
Imports	-	-	-	2270	-	-	-	-	-	-	2270
Exports	-	-70895	-31033	-	-	-	-	-	-	-	-101927
Intl. marine bunkers	-	-	-392	-	-	-	-	-	-	-	-392
Intl. aviation bunkers	-	-	-811	-	-	-	-	-	-	-	-811
Stock changes	-	-	330	-	-	-	-	-	-	-	330
<b>TPES</b>	-	<b>53318</b>	<b>-31906</b>	<b>11988</b>	-	-	-	-	-	-	<b>33400</b>
Electricity and CHP plants	-	-3038	-9749	-3283	-	-	-	-	4904	-	-11165
Oil refineries	-	-45154	43801	-	-	-	-	-	-	-	-1353
Other transformation*	-	-5126	3965	-4661	-	-	-	-	-1728	-	-7549
<b>TFC</b>	-	-	<b>6112</b>	<b>4045</b>	-	-	-	-	<b>3177</b>	-	<b>13333</b>
<b>INDUSTRY</b>	-	-	<b>852</b>	<b>4045</b>	-	-	-	-	-	-	<b>4897</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	1720	-	-	-	-	-	-	1720
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	852	2325	-	-	-	-	-	-	3177
<b>TRANSPORT</b>	-	-	<b>3974</b>	-	-	-	-	-	-	-	<b>3974</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	3974	-	-	-	-	-	-	-	3974
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>194</b>	-	-	-	-	-	<b>3177</b>	-	<b>3371</b>
Residential	-	-	194	-	-	-	-	-	2070	-	2264
Comm. and public services	-	-	-	-	-	-	-	-	1107	-	1107
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>1092</b>	-	-	-	-	-	-	-	<b>1092</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	42516	14513	-	-	-	-	-	-	57029
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Kyrgyzstan

Figure 1. Energy production

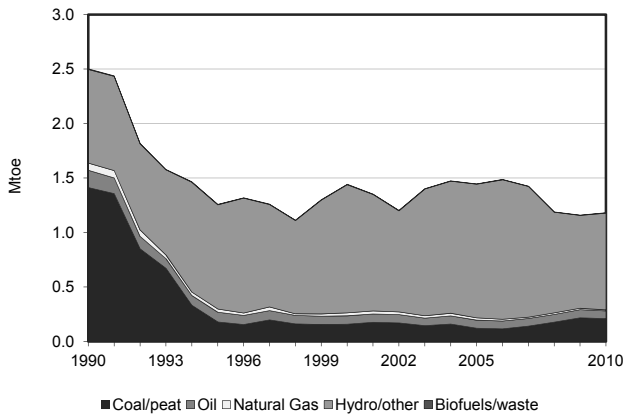


Figure 2. Total primary energy supply\*

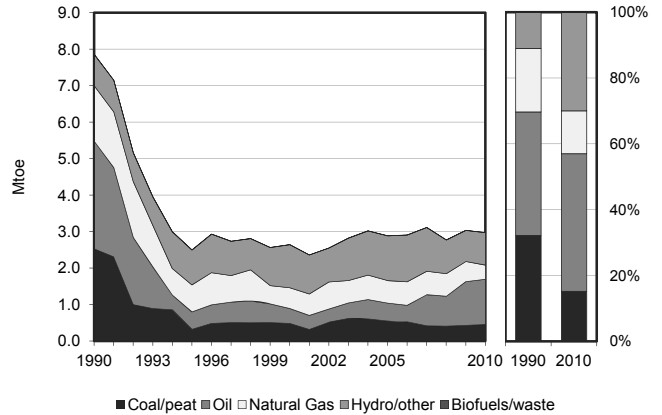


Figure 3. Energy self-sufficiency\*\*

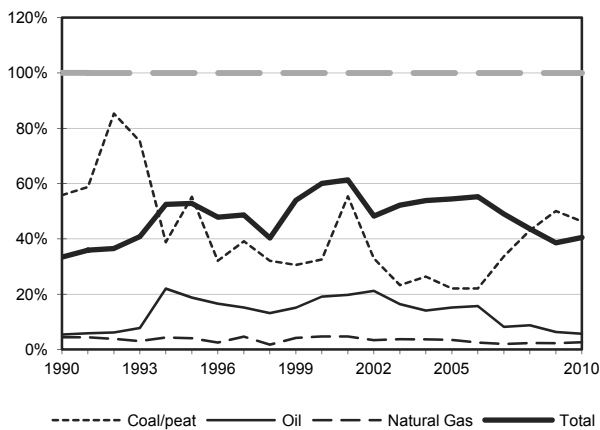


Figure 4. Oil products demand\*\*\*

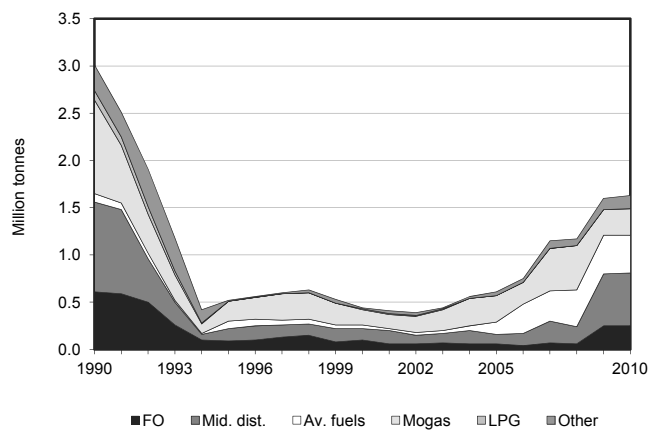


Figure 5. Electricity generation by fuel

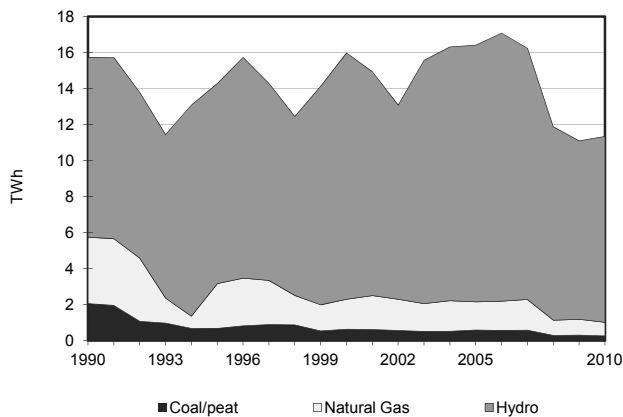
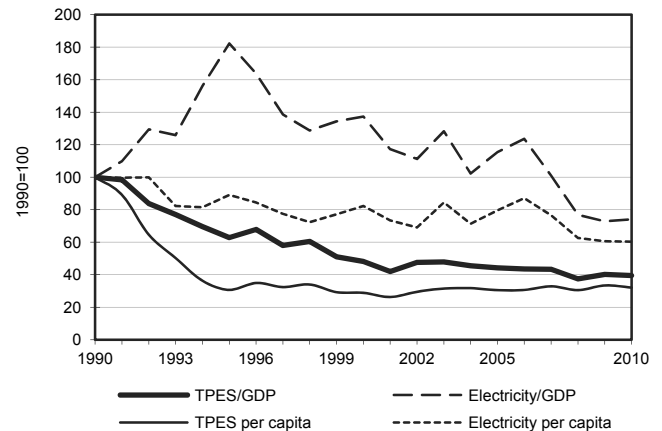


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Kyrgyzstan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	217	75	-	13	-	852	-	4	-	-	1161
Imports	217	-	1656	537	-	-	-	-	-	-	2410
Exports	-	-	-117	-	-	-	-	-	-28	-	-145
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-417	-	-	-	-	-	-	-	-417
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>433</b>	<b>75</b>	<b>1122</b>	<b>550</b>	-	<b>852</b>	-	<b>4</b>	<b>-28</b>	-	<b>3010</b>
Electricity and CHP plants	-134	-	-	-375	-	-852	-	-	955	244	-163
Oil refineries	-	-31	30	-	-	-	-	-	-	-	-1
Other transformation*	172	-	-	-	-	-	-	-	-307	-	-136
<b>TFC</b>	<b>471</b>	<b>44</b>	<b>1153</b>	<b>175</b>	-	-	-	<b>4</b>	<b>620</b>	<b>244</b>	<b>2710</b>
<b>INDUSTRY</b>	<b>471</b>	-	-	-	-	-	-	-	<b>348</b>	-	<b>820</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9	-	9
Non-metallic minerals	-	-	-	-	-	-	-	-	27	-	27
Other/non-specified	471	-	-	-	-	-	-	-	312	-	783
<b>TRANSPORT</b>	-	-	<b>843</b>	<b>6</b>	-	-	-	-	<b>5</b>	-	<b>855</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	843	6	-	-	-	-	-	-	850
Other/non-specified	-	-	-	-	-	-	-	-	5	-	5
<b>OTHER</b>	-	<b>44</b>	<b>239</b>	<b>169</b>	-	-	-	<b>4</b>	<b>266</b>	<b>244</b>	<b>965</b>
Residential	-	-	-	-	-	-	-	-	124	-	124
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	142	-	142
Other/non-specified	-	44	239	169	-	-	-	4	-	244	699
<b>NON-ENERGY USE</b>	-	-	<b>70</b>	-	-	-	-	-	-	-	<b>70</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	306	-	-	884	-	9910	-	-	-	-	11100
Heat generated - TJ	3168	-	-	7032	-	-	-	-	-	-	10200

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	210	70	-	10	-	888	-	4	-	-	1182
Imports	243	-	1700	378	-	-	-	-	-	-	2321
Exports	-	-	-115	-	-	-	-	-	-58	-	-174
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-412	-	-	-	-	-	-	-	-412
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>453</b>	<b>70</b>	<b>1173</b>	<b>388</b>	-	<b>888</b>	-	<b>4</b>	<b>-58</b>	-	<b>2918</b>
Electricity and CHP plants	-148	-	-	-321	-	-888	-	-	976	209	-173
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	159	-	-	-	-	-	-	-	-295	-	-136
<b>TFC</b>	<b>464</b>	<b>70</b>	<b>1173</b>	<b>67</b>	-	-	-	<b>4</b>	<b>622</b>	<b>209</b>	<b>2609</b>
<b>INDUSTRY</b>	<b>464</b>	-	-	-	-	-	-	-	<b>345</b>	-	<b>809</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9	-	9
Non-metallic minerals	-	-	-	-	-	-	-	-	27	-	27
Other/non-specified	464	-	-	-	-	-	-	-	309	-	773
<b>TRANSPORT</b>	-	-	<b>864</b>	<b>6</b>	-	-	-	-	<b>5</b>	-	<b>876</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	864	6	-	-	-	-	-	-	870
Other/non-specified	-	-	-	-	-	-	-	-	5	-	5
<b>OTHER</b>	-	<b>70</b>	<b>239</b>	<b>60</b>	-	-	-	<b>4</b>	<b>272</b>	<b>209</b>	<b>854</b>
Residential	-	-	-	-	-	-	-	-	131	-	131
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	142	-	142
Other/non-specified	-	70	239	60	-	-	-	4	-	209	582
<b>NON-ENERGY USE</b>	-	-	<b>70</b>	-	-	-	-	-	-	-	<b>70</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	262	-	-	758	-	10330	-	-	-	-	11350
Heat generated - TJ	2715	-	-	6028	-	-	-	-	-	-	8743

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Latvia

Figure 1. Energy production

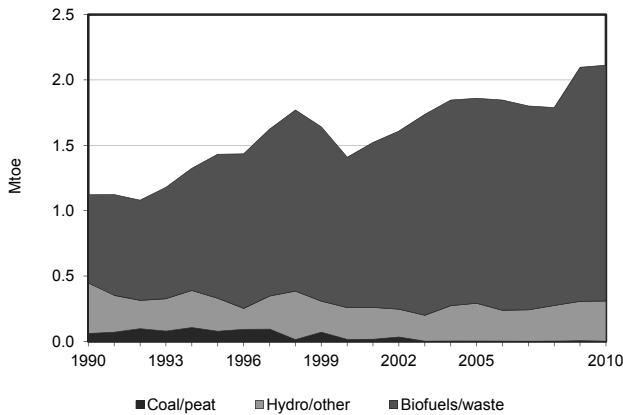


Figure 2. Total primary energy supply\*

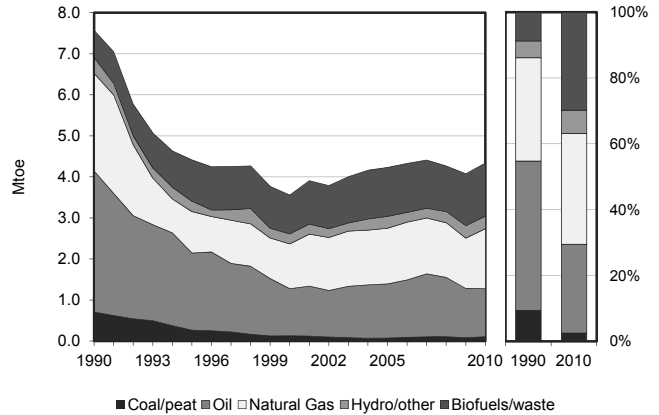


Figure 3. Energy self-sufficiency\*\*

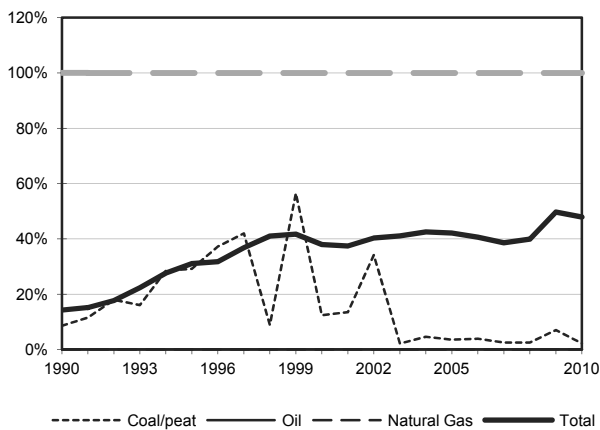


Figure 4. Oil products demand\*\*\*

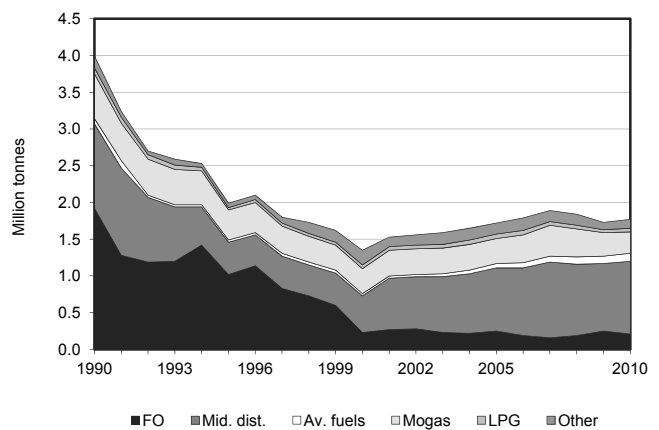


Figure 5. Electricity generation by fuel

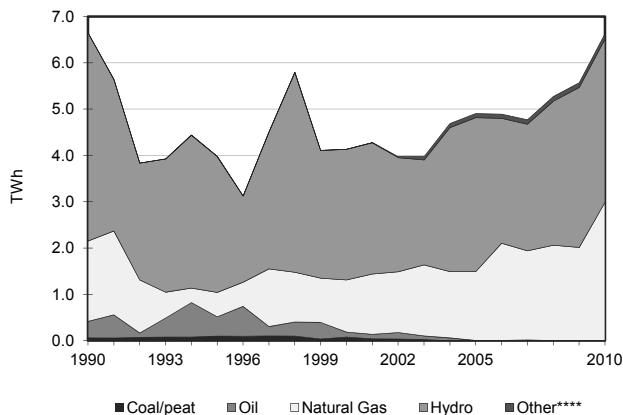
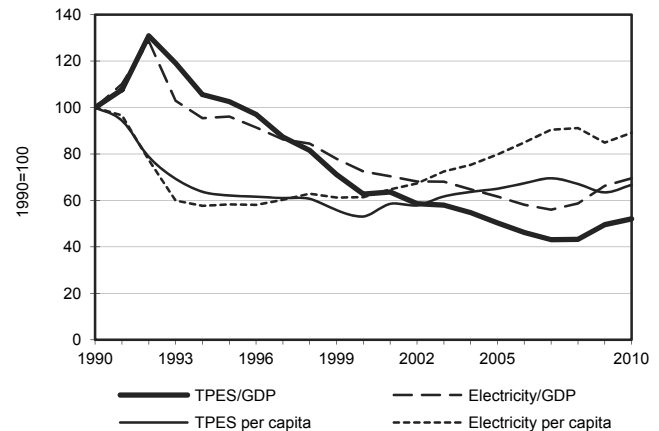


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Latvia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	6	-	-	-	-	297	4	1789	-	-	2097
Imports	83	2	1836	1399	-	-	-	6	366	-	3692
Exports	-5	-	-270	-	-	-	-	-487	-224	-	-986
Intl. marine bunkers	-	-	-273	-	-	-	-	-	-	-	-273
Intl. aviation bunkers	-	-	-102	-	-	-	-	-	-	-	-102
Stock changes	1	1	5	-173	-	-	-	-42	-	-	-207
<b>TPES</b>	<b>85</b>	<b>3</b>	<b>1195</b>	<b>1227</b>	<b>-</b>	<b>297</b>	<b>4</b>	<b>1267</b>	<b>142</b>	<b>-</b>	<b>4221</b>
Transfers	-	-	6	-	-	-	-	-	-	-	6
Statistical differences	-	-3	185	-	-	-	-	-	-	-	182
Electricity plants	-	-	-	-	-	-297	-4	-0	302	-	-0
CHP plants	-11	-	-8	-574	-	-	-	-22	177	345	-92
Heat plants	-3	-	-18	-194	-	-	-	-135	-0	283	-67
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-11	-	-	-11
Energy industry own use	-	-	-4	-12	-	-	-	-	-32	-8	-56
Losses	-0	-	-	-15	-	-	-	-	-64	-89	-168
<b>TFC</b>	<b>71</b>	<b>-</b>	<b>1356</b>	<b>432</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1099</b>	<b>525</b>	<b>531</b>	<b>4014</b>
<b>INDUSTRY</b>	<b>36</b>	<b>-</b>	<b>70</b>	<b>212</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>197</b>	<b>130</b>	<b>7</b>	<b>651</b>
Iron and steel	3	-	18	81	-	-	-	-	12	-	114
Chemical and petrochemical	-	-	2	12	-	-	-	3	5	2	24
Non-ferrous metals	-	-	-	2	-	-	-	-	0	-	2
Non-metallic minerals	31	-	8	22	-	-	-	4	15	-	80
Transport equipment	-	-	1	2	-	-	-	-	3	0	7
Machinery	-	-	1	5	-	-	-	1	7	1	15
Mining and quarrying	-	-	2	2	-	-	-	0	1	-	5
Food and tobacco	1	-	14	43	-	-	-	9	24	2	93
Paper pulp and printing	-	-	-	2	-	-	-	4	4	0	11
Wood and wood products	-	-	5	24	-	-	-	171	39	0	240
Construction	-	-	19	9	-	-	-	1	10	1	40
Textile and leather	1	-	-	6	-	-	-	0	4	1	12
Non-specified	-	-	-	1	-	-	-	3	4	0	8
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1024</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>10</b>	<b>-</b>	<b>1039</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	946	0	-	-	-	4	-	-	950
Rail	-	-	74	-	-	-	-	-	3	-	77
Pipeline transport	-	-	-	-	-	-	-	-	1	-	1
Domestic navigation	-	-	4	-	-	-	-	-	-	-	4
Non-specified	-	-	-	-	-	-	-	-	6	-	6
<b>OTHER</b>	<b>35</b>	<b>-</b>	<b>186</b>	<b>220</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>898</b>	<b>385</b>	<b>524</b>	<b>2247</b>
Residential	19	-	48	103	-	-	-	804	172	388	1534
Comm. and publ. services	15	-	38	112	-	-	-	77	201	132	574
Agriculture/forestry	1	-	91	6	-	-	-	17	11	4	130
Fishing	-	-	8	-	-	-	-	-	1	-	9
Non-specified	-	-	-	-	-	-	-	-	1	0	1
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>76</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>76</b>
in industry/transf./energy	-	-	61	-	-	-	-	-	-	-	61
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	15	-	-	-	-	-	-	-	15
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2</b>	<b>-</b>	<b>4</b>	<b>2007</b>	<b>-</b>	<b>3457</b>	<b>50</b>	<b>49</b>	<b>-</b>	<b>-</b>	<b>5569</b>
Electricity plants	-	-	-	-	-	3457	50	3	-	-	3510
CHP plants	2	-	4	2007	-	-	-	46	-	-	2059
<b>Heat generated - TJ</b>	<b>362</b>	<b>-</b>	<b>889</b>	<b>21034</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4019</b>	<b>4</b>	<b>-</b>	<b>26308</b>
CHP plants	262	-	262	13538	-	-	-	395	-	-	14457
Heat plants	100	-	627	7496	-	-	-	3624	4	-	11851

## Latvia

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2	-	-	-	-	303	4	1804	-	-	2113
Imports	115	2	1707	903	-	-	-	30	342	-	3098
Exports	-3	-	-266	-	-	-	-	-572	-267	-	-1107
Intl. marine bunkers	-	-	-251	-	-	-	-	-	-	-	-251
Intl. aviation bunkers	-	-	-118	-	-	-	-	-	-	-	-118
Stock changes	-5	-1	97	559	-	-	-	29	-	-	678
<b>TPES</b>	<b>109</b>	<b>1</b>	<b>1169</b>	<b>1461</b>	<b>-</b>	<b>303</b>	<b>4</b>	<b>1292</b>	<b>75</b>	<b>-</b>	<b>4414</b>
Transfers	-	-	3	-	-	-	-	-	-	-	3
Statistical differences	-	-1	249	-	-	-	-	-1	-	-	247
Electricity plants	-	-	-	-	-	-303	-4	-2	308	-	-1
CHP plants	-9	-	-5	-746	-	-	-	-27	262	402	-123
Heat plants	-4	-	-13	-191	-	-	-	-148	-0	283	-73
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-5	-	-	-5
Energy industry own use	-	-	-5	-21	-	-	-	-	-48	-13	-87
Losses	-1	-	-	-6	-	-	-	-	-62	-92	-163
<b>TFC</b>	<b>94</b>	<b>-</b>	<b>1398</b>	<b>498</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1109</b>	<b>534</b>	<b>579</b>	<b>4212</b>
<b>INDUSTRY</b>	<b>47</b>	<b>-</b>	<b>84</b>	<b>242</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>254</b>	<b>137</b>	<b>9</b>	<b>773</b>
Iron and steel	3	-	23	91	-	-	-	-	13	-	130
Chemical and petrochemical	-	-	2	14	-	-	-	4	5	2	28
Non-ferrous metals	-	-	-	3	-	-	-	-	0	-	3
Non-metallic minerals	42	-	21	24	-	-	-	28	19	-	135
Transport equipment	-	-	1	2	-	-	-	-	3	0	6
Machinery	-	-	1	6	-	-	-	1	8	0	17
Mining and quarrying	-	-	2	2	-	-	-	-	2	-	5
Food and tobacco	1	-	15	43	-	-	-	7	25	2	93
Paper pulp and printing	-	-	-	2	-	-	-	4	3	0	9
Wood and wood products	0	-	5	35	-	-	-	205	41	0	286
Construction	1	-	14	11	-	-	-	1	9	2	39
Textile and leather	-	-	-	7	-	-	-	0	3	1	12
Non-specified	-	-	2	-	-	-	-	2	6	0	9
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1046</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>27</b>	<b>11</b>	<b>-</b>	<b>1083</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	972	-	-	-	-	27	-	-	999
Rail	-	-	67	-	-	-	-	-	3	-	70
Pipeline transport	-	-	-	-	-	-	-	-	2	-	2
Domestic navigation	-	-	7	-	-	-	-	-	-	-	7
Non-specified	-	-	-	-	-	-	-	-	6	-	6
<b>OTHER</b>	<b>47</b>	<b>-</b>	<b>195</b>	<b>255</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>828</b>	<b>387</b>	<b>570</b>	<b>2283</b>
Residential	26	-	53	124	-	-	-	734	167	407	1511
Comm. and publ. services	21	-	36	116	-	-	-	81	208	155	616
Agriculture/forestry	1	-	96	15	-	-	-	13	11	8	145
Fishing	-	-	10	-	-	-	-	0	1	-	11
Non-specified	-	-	-	-	-	-	-	-	0	0	0
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>73</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>73</b>
in industry/transf./energy	-	-	59	-	-	-	-	-	-	-	59
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	14	-	-	-	-	-	-	-	14
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>2988</b>	<b>-</b>	<b>3520</b>	<b>49</b>	<b>66</b>	<b>-</b>	<b>-</b>	<b>6627</b>
Electricity plants	-	-	-	-	-	3520	49	8	-	-	3577
CHP plants	2	-	2	2988	-	-	-	58	-	-	3050
<b>Heat generated - TJ</b>	<b>389</b>	<b>-</b>	<b>642</b>	<b>23329</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>4290</b>	<b>5</b>	<b>-</b>	<b>28662</b>
CHP plants	288	-	162	15916	-	-	-	455	-	-	16821
Heat plants	101	-	480	7413	-	-	7	3835	5	-	11841

## Lebanon

Figure 1. Energy production

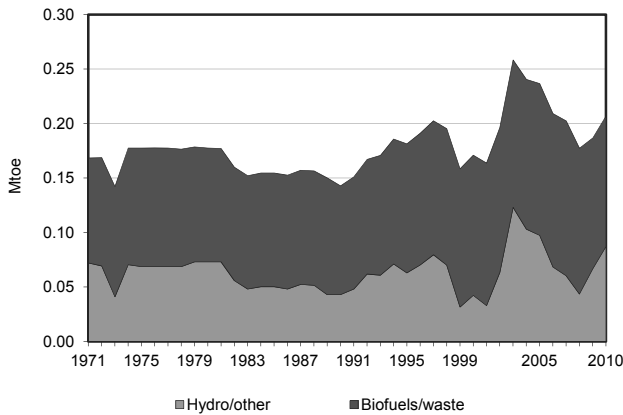


Figure 2. Total primary energy supply\*

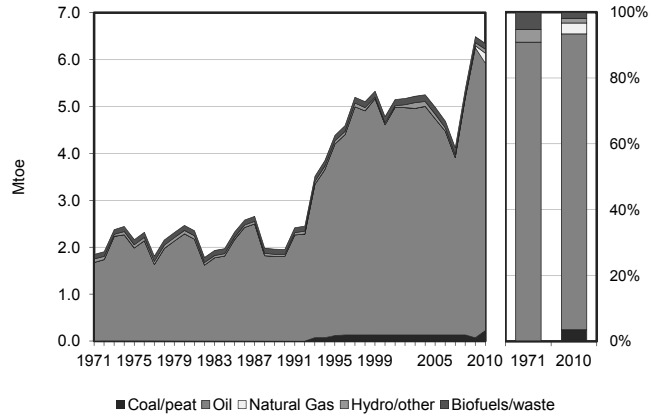


Figure 3. Energy self-sufficiency\*\*

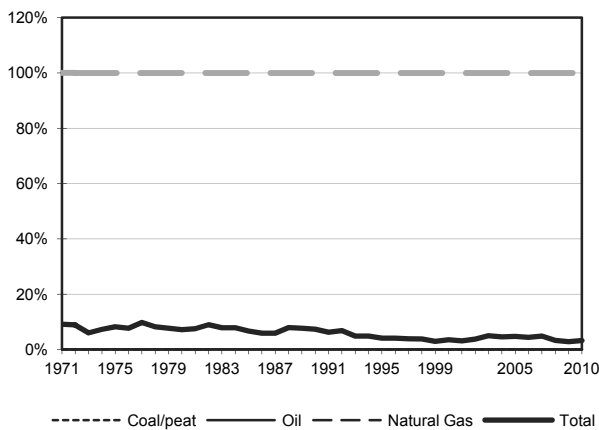


Figure 4. Oil products demand\*\*\*

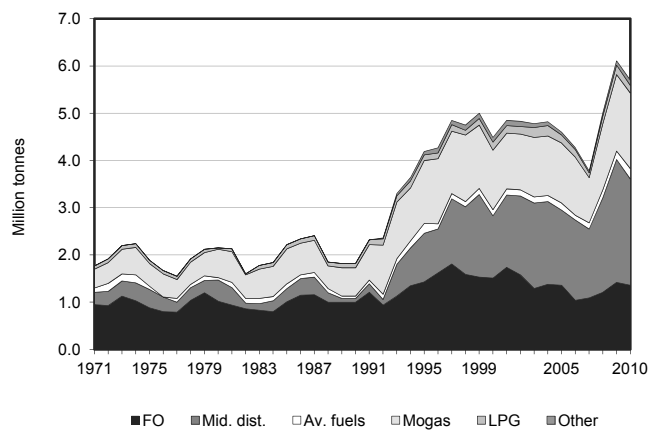


Figure 5. Electricity generation by fuel

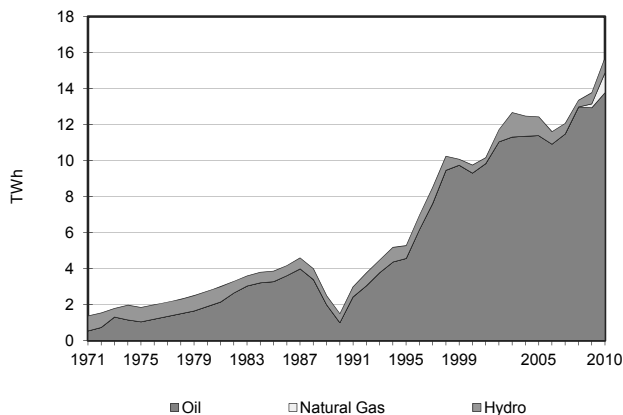
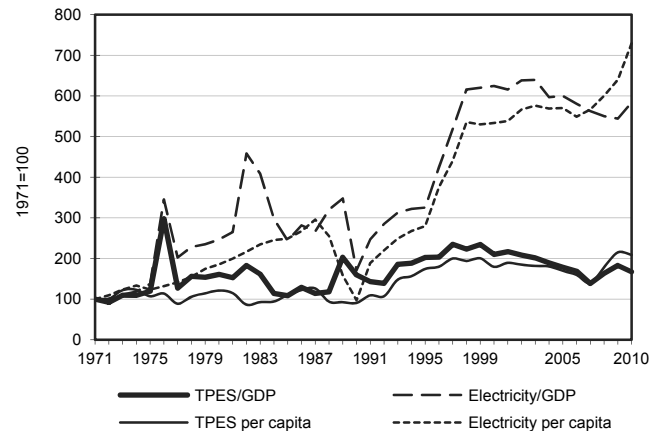


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Lebanon

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	53	13	120	-	-	187
Imports	72	-	6394	41	-	-	-	6	99	-	6613
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-23	-	-	-	-	-	-	-	-23
Intl. aviation bunkers	-	-	-187	-	-	-	-	-	-	-	-187
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>72</b>	<b>-</b>	<b>6185</b>	<b>41</b>	<b>-</b>	<b>53</b>	<b>13</b>	<b>126</b>	<b>99</b>	<b>-</b>	<b>6590</b>
Electricity and CHP plants	-	-	-3131	-41	-	-53	-	-	1184	-	-2041
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-3	-154	-	-157
<b>TFC</b>	<b>72</b>	<b>-</b>	<b>3054</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>123</b>	<b>1130</b>	<b>-</b>	<b>4392</b>
<b>INDUSTRY</b>	<b>72</b>	<b>-</b>	<b>163</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>297</b>	<b>-</b>	<b>532</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	72	-	-	-	-	-	-	-	-	-	72
Other/non-specified	-	-	163	-	-	-	1	-	297	-	460
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1760</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1760</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1760	-	-	-	-	-	-	-	1760
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>1047</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>123</b>	<b>833</b>	<b>-</b>	<b>2015</b>
Residential	-	-	1047	-	-	-	8	114	431	-	1600
Comm. and public services	-	-	-	-	-	-	4	-	189	-	193
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	8	213	-	221
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>84</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>84</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	12934	215	-	622	-	-	-	-	13771
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	72	15	120	-	-	207
Imports	225	-	5962	212	-	-	-	-	107	-	6506
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-25	-	-	-	-	-	-	-	-25
Intl. aviation bunkers	-	-	-236	-	-	-	-	-	-	-	-236
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>225</b>	<b>-</b>	<b>5701</b>	<b>212</b>	<b>-</b>	<b>72</b>	<b>15</b>	<b>120</b>	<b>107</b>	<b>-</b>	<b>6452</b>
Electricity and CHP plants	-	-	-3411	-212	-	-72	-	-	1351	-	-2344
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-12	-161	-	-173
<b>TFC</b>	<b>225</b>	<b>-</b>	<b>2290</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>108</b>	<b>1298</b>	<b>-</b>	<b>3935</b>
<b>INDUSTRY</b>	<b>225</b>	<b>-</b>	<b>45</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>341</b>	<b>-</b>	<b>611</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	225	-	-	-	-	-	-	-	-	-	225
Other/non-specified	-	-	45	-	-	-	1	-	341	-	387
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1737</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1737</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1737	-	-	-	-	-	-	-	1737
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>408</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14</b>	<b>108</b>	<b>957</b>	<b>-</b>	<b>1487</b>
Residential	-	-	408	-	-	-	10	100	495	-	1012
Comm. and public services	-	-	-	-	-	-	5	-	217	-	222
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	8	245	-	253
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	13777	1096	-	839	-	-	-	-	15712
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Libya

Figure 1. Energy production

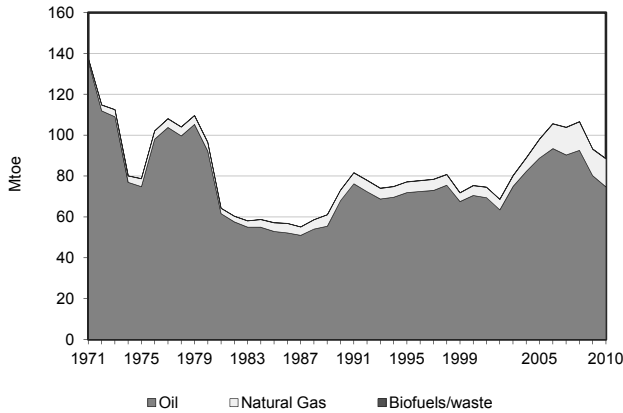


Figure 2. Total primary energy supply\*

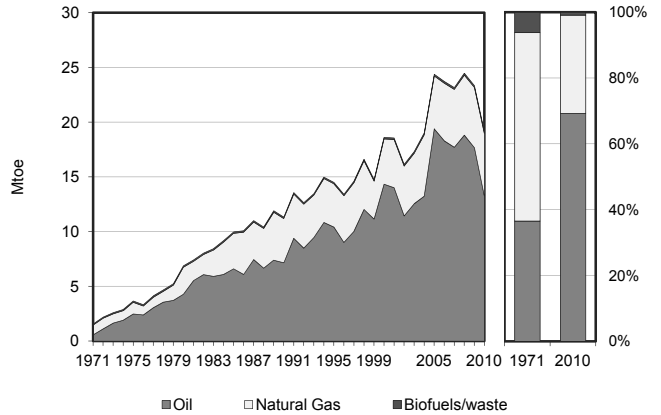


Figure 3. Energy self-sufficiency\*\*

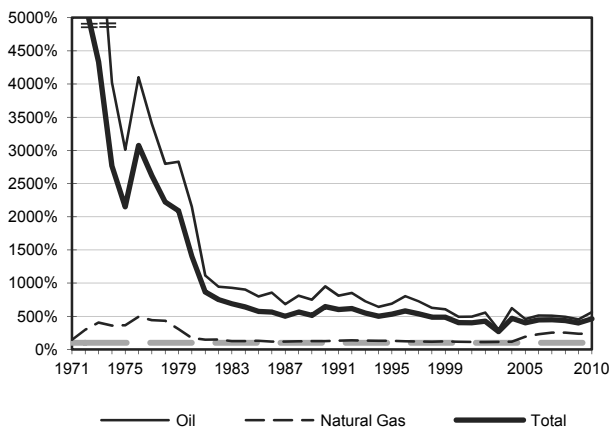


Figure 4. Oil products demand\*\*\*

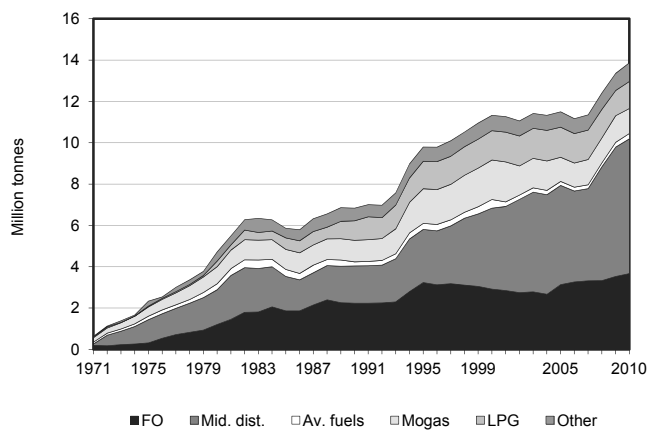


Figure 5. Electricity generation by fuel

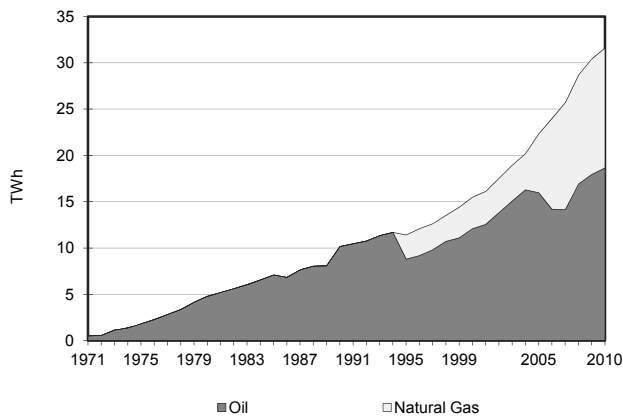
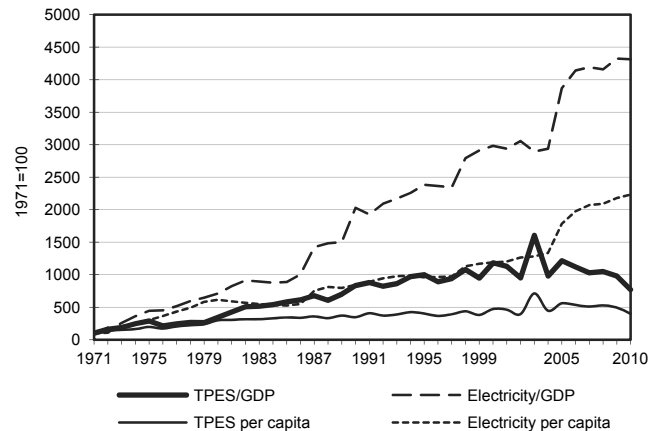


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 5000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Libya

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	80144	-	12984	-	-	-	168	-	-	93296
Imports	-	-	30	-	-	-	-	-	6	-	36
Exports	-	-57879	-4275	-7488	-	-	-	-	-11	-	-69653
Intl. marine bunkers	-	-	-86	-	-	-	-	-	-	-	-86
Intl. aviation bunkers	-	-	-246	-	-	-	-	-	-	-	-246
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>22265</b>	<b>-4578</b>	<b>5496</b>	-	-	-	<b>168</b>	<b>-4</b>	-	<b>23347</b>
Electricity and CHP plants	-	-	-6237	-2997	-	-	-	-	2617	-	-6617
Oil refineries	-	-18098	16829	-	-	-	-	-	-	-	-1268
Other transformation*	-	-4168	319	-152	-	-	-	-	-678	-	-4679
<b>TFC</b>	-	-	<b>6334</b>	<b>2346</b>	-	-	-	<b>168</b>	<b>1934</b>	-	<b>10782</b>
<b>INDUSTRY</b>	-	-	<b>406</b>	<b>1009</b>	-	-	-	-	<b>320</b>	-	<b>1735</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	406	1009	-	-	-	-	320	-	1735
<b>TRANSPORT</b>	-	-	<b>4013</b>	-	-	-	-	-	-	-	<b>4013</b>
Domestic aviation	-	-	3	-	-	-	-	-	-	-	3
Road	-	-	4009	-	-	-	-	-	-	-	4009
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>753</b>	-	-	-	-	<b>168</b>	<b>1614</b>	-	<b>2535</b>
Residential	-	-	753	-	-	-	-	168	526	-	1447
Comm. and public services	-	-	-	-	-	-	-	-	777	-	777
Agriculture/forestry	-	-	-	-	-	-	-	-	225	-	225
Other/non-specified	-	-	-	-	-	-	-	-	86	-	86
<b>NON-ENERGY USE</b>	-	-	<b>1162</b>	<b>1337</b>	-	-	-	-	-	-	<b>2499</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	17955	12471	-	-	-	-	-	-	30426
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	74657	-	13727	-	-	-	170	-	-	88555
Imports	-	-	30	-	-	-	-	-	7	-	37
Exports	-	-55288	-5783	-8003	-	-	-	-	-11	-	-69085
Intl. marine bunkers	-	-	-86	-	-	-	-	-	-	-	-86
Intl. aviation bunkers	-	-	-272	-	-	-	-	-	-	-	-272
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>19369</b>	<b>-6111</b>	<b>5725</b>	-	-	-	<b>170</b>	<b>-5</b>	-	<b>19148</b>
Electricity and CHP plants	-	-	-6481	-3297	-	-	-	-	2719	-	-7060
Oil refineries	-	-20204	18773	-	-	-	-	-	-	-	-1431
Other transformation*	-	835	307	-161	-	-	-	-	-705	-	277
<b>TFC</b>	-	-	<b>6487</b>	<b>2266</b>	-	-	-	<b>170</b>	<b>2010</b>	-	<b>10933</b>
<b>INDUSTRY</b>	-	-	<b>414</b>	<b>873</b>	-	-	-	-	<b>333</b>	-	<b>1620</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	414	873	-	-	-	-	333	-	1620
<b>TRANSPORT</b>	-	-	<b>4021</b>	-	-	-	-	-	-	-	<b>4021</b>
Domestic aviation	-	-	3	-	-	-	-	-	-	-	3
Road	-	-	4018	-	-	-	-	-	-	-	4018
Other/non-specified	-	-	0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>795</b>	-	-	-	-	<b>170</b>	<b>1677</b>	-	<b>2643</b>
Residential	-	-	795	-	-	-	-	170	547	-	1513
Comm. and public services	-	-	-	-	-	-	-	-	807	-	807
Agriculture/forestry	-	-	-	-	-	-	-	-	234	-	234
Other/non-specified	-	-	-	-	-	-	-	-	88	-	88
<b>NON-ENERGY USE</b>	-	-	<b>1257</b>	<b>1393</b>	-	-	-	-	-	-	<b>2650</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	18655	12958	-	-	-	-	-	-	31613
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Lithuania

Figure 1. Energy production

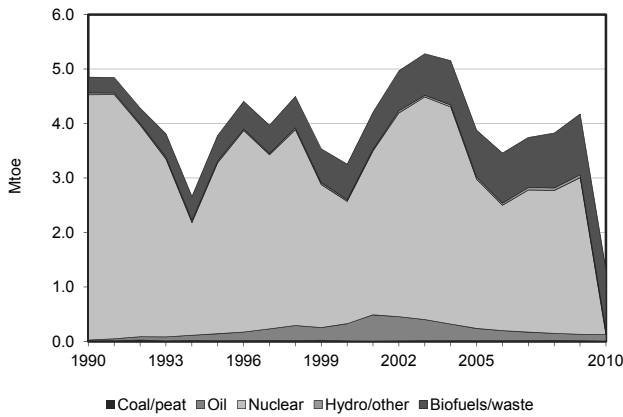


Figure 2. Total primary energy supply\*

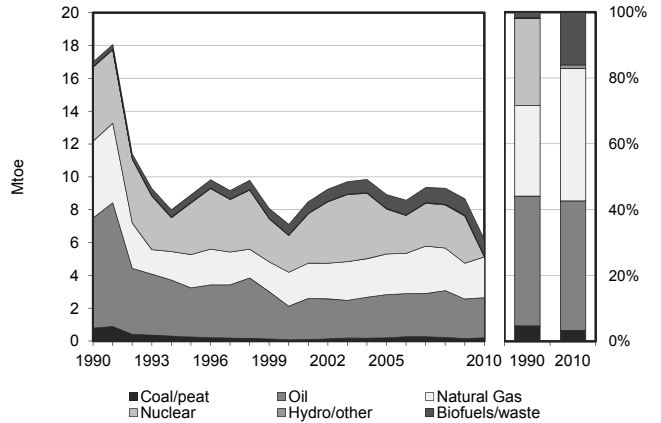


Figure 3. Energy self-sufficiency\*\*

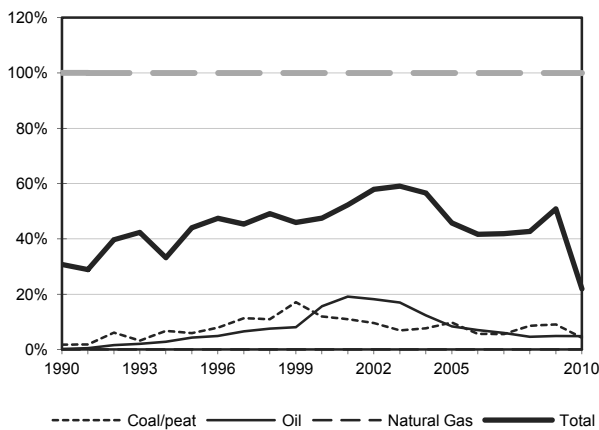


Figure 4. Oil products demand\*\*\*

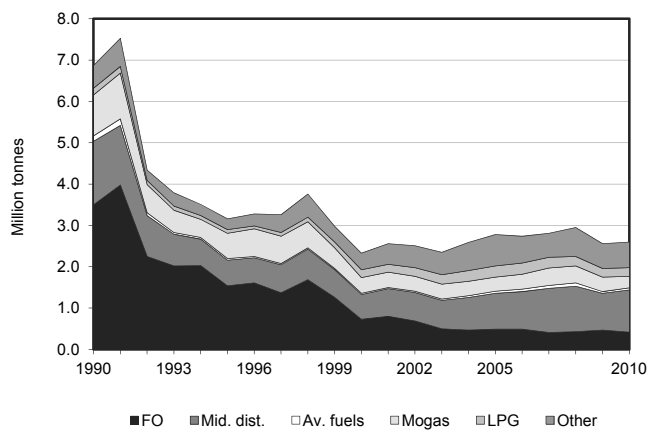


Figure 5. Electricity generation by fuel

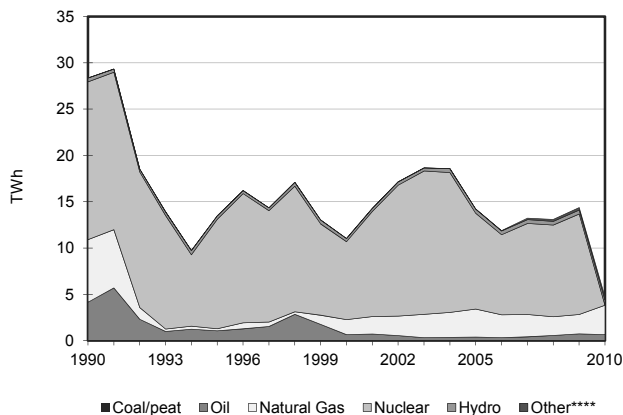
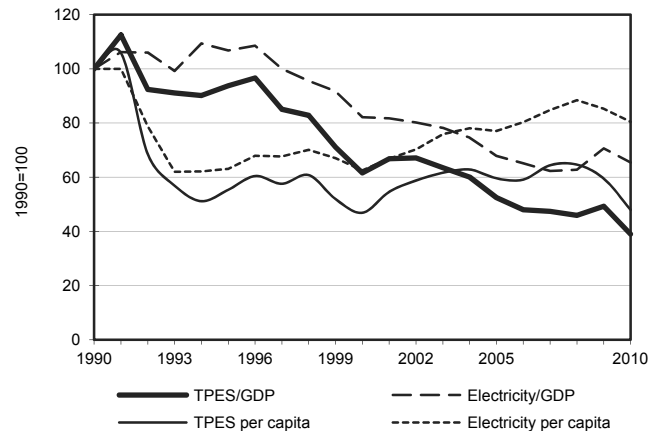


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Lithuania

2009

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	15	118	-	-	2875	36	19	1115	-	214	4391
Imports	137	8806	476	2189	-	-	-	79	411	-	12098
Exports	-12	-115	-6862	-	-	-	-	-197	-663	-	-7850
Intl. marine bunkers	-	-	-126	-	-	-	-	-	-	-	-126
Intl. aviation bunkers	-	-	-36	-	-	-	-	-	-	-	-36
Stock changes	24	39	102	-8	-	-	-	-0	-	-	157
<b>TPES</b>	<b>164</b>	<b>8846</b>	<b>-6445</b>	<b>2181</b>	<b>2875</b>	<b>36</b>	<b>19</b>	<b>997</b>	<b>-252</b>	<b>214</b>	<b>8635</b>
Transfers	-	-	0	-	-	-	-	-	-	-	0
Statistical differences	-	-	-	-	-	-	-	-0	-	-	-0
Electricity plants	-	-	-	-	-	-36	-14	-	73	-74	-51
CHP plants	-	-	-143	-844	-2875	-	-	-58	1186	539	-2195
Heat plants	-7	-	-27	-235	-	-	-5	-194	-0	377	-92
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-0	-	-	-	-	-	-	-	-	-	-0
Oil refineries	-	-8848	8911	-	-	-	-	-	-	-	63
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	2	-	-2	-	-	-	-	-	-	-1
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-621	-2	-	-	-	-0	-203	-33	-859
Losses	-	-	-4	-0	-	-	-	-	-83	-138	-226
<b>TFC</b>	<b>157</b>	<b>-</b>	<b>1672</b>	<b>1097</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>744</b>	<b>720</b>	<b>885</b>	<b>5275</b>
<b>INDUSTRY</b>	<b>65</b>	<b>-</b>	<b>52</b>	<b>262</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>209</b>	<b>167</b>	<b>821</b>
Iron and steel	1	-	-	0	-	-	-	-	2	0	3
Chemical and petrochemical	-	-	1	83	-	-	-	0	54	147	285
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	61	-	20	19	-	-	-	9	14	0	123
Transport equipment	-	-	-	3	-	-	-	-	3	0	6
Machinery	-	-	-	4	-	-	-	1	8	1	15
Mining and quarrying	-	-	1	0	-	-	-	0	2	-	3
Food and tobacco	3	-	13	87	-	-	-	2	46	11	162
Paper pulp and printing	-	-	-	21	-	-	-	2	9	1	33
Wood and wood products	0	-	2	18	-	-	-	39	20	1	80
Construction	-	-	12	10	-	-	-	3	9	2	36
Textile and leather	1	-	2	12	-	-	-	0	18	2	35
Non-specified	-	-	-	3	-	-	-	10	25	2	40
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1383</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51</b>	<b>7</b>	<b>-</b>	<b>1465</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1318	1	-	-	-	51	-	-	1371
Rail	-	-	58	-	-	-	-	-	1	-	59
Pipeline transport	-	-	-	23	-	-	-	-	2	-	25
Domestic navigation	-	-	5	-	-	-	-	-	-	-	5
Non-specified	-	-	2	-	-	-	-	-	4	-	6
<b>OTHER</b>	<b>92</b>	<b>-</b>	<b>88</b>	<b>234</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>626</b>	<b>504</b>	<b>719</b>	<b>2263</b>
Residential	35	-	40	145	-	-	-	584	234	517	1555
Comm. and publ. services	56	-	3	62	-	-	-	31	254	192	599
Agriculture/forestry	1	-	39	27	-	-	-	11	15	9	102
Fishing	-	-	2	-	-	-	-	-	0	-	2
Non-specified	-	-	4	-	-	-	-	-	-	-	4
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>149</b>	<b>577</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>726</b>
in industry/transf./energy	-	-	131	577	-	-	-	-	-	-	708
of which: feedstocks	-	-	54	577	-	-	-	-	-	-	630
in transport	-	-	18	-	-	-	-	-	-	-	18
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>735</b>	<b>2101</b>	<b>10852</b>	<b>424</b>	<b>158</b>	<b>102</b>	<b>-</b>	<b>271</b>	<b>14643</b>
Electricity plants	-	-	-	-	-	424	158	-	-	-	582
CHP plants	-	-	735	2101	10852	-	-	102	-	271	14061
<b>Heat generated - TJ</b>	<b>207</b>	<b>-</b>	<b>1689</b>	<b>26792</b>	<b>1945</b>	<b>-</b>	<b>107</b>	<b>7591</b>	<b>19</b>	<b>8982</b>	<b>47332</b>
CHP plants	-	-	870	18242	1945	-	-	1520	-	5983	28560
Heat plants	207	-	819	8550	-	-	107	6071	19	2999	18772

## Lithuania

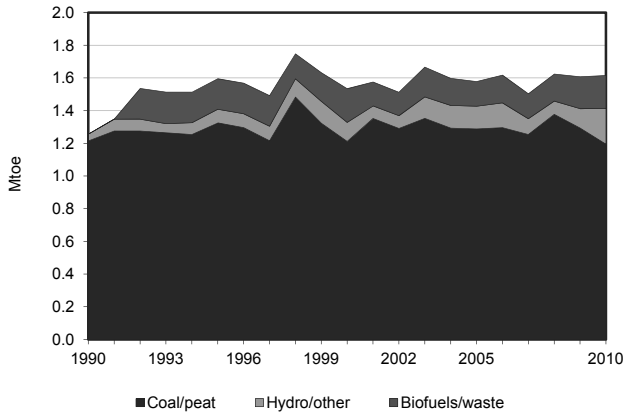
2010

Thousand tonnes of oil equivalent

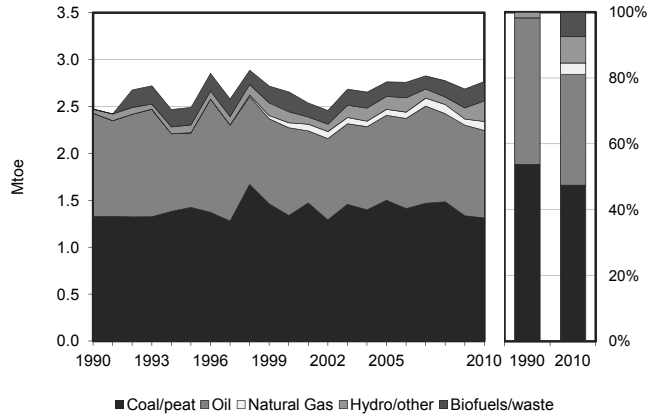
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	9	118	-	-	-	46	24	1113	-	209	1519
Imports	205	9436	763	2484	-	-	-	64	703	-	13655
Exports	-24	-113	-7487	-	-	-	-	-199	-188	-	-8011
Intl. marine bunkers	-	-	-139	-	-	-	-	-	-	-	-139
Intl. aviation bunkers	-	-	-48	-	-	-	-	-	-	-	-48
Stock changes	15	-10	-78	7	-	-	-	15	-	-	-51
<b>TPES</b>	<b>205</b>	<b>9430</b>	<b>-6989</b>	<b>2491</b>	<b>-</b>	<b>46</b>	<b>24</b>	<b>993</b>	<b>515</b>	<b>209</b>	<b>6925</b>
Transfers	-	-	3	-	-	-	-	-	-	-	3
Statistical differences	-	-	-	-	-	-	-	1	-	-	1
Electricity plants	-	-	-	-	-	-46	-19	-	87	-66	-45
CHP plants	-	-	-124	-1116	-	-	-	-65	342	539	-424
Heat plants	-7	-	-22	-274	-	-	-5	-192	-0	417	-82
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-0	-	-	-	-	-	-	-	-	-	-0
Oil refineries	-	-9430	9463	-	-	-	-	-	-	-	33
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-0	-	-	-0
Energy industry own use	-	-	-580	-2	-	-	-	-1	-143	-30	-755
Losses	-	-	-4	-0	-	-	-	-	-85	-148	-237
<b>TFC</b>	<b>198</b>	<b>-</b>	<b>1746</b>	<b>1100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>737</b>	<b>717</b>	<b>921</b>	<b>5419</b>
<b>INDUSTRY</b>	<b>85</b>	<b>-</b>	<b>41</b>	<b>286</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>76</b>	<b>228</b>	<b>181</b>	<b>898</b>
Iron and steel	1	-	-	1	-	-	-	0	2	0	3
Chemical and petrochemical	1	-	1	79	-	-	-	2	58	156	297
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	82	-	4	22	-	-	-	8	16	0	133
Transport equipment	-	-	-	2	-	-	-	-	3	1	6
Machinery	-	-	-	6	-	-	-	1	9	2	18
Mining and quarrying	-	-	1	0	-	-	-	0	2	-	3
Food and tobacco	1	-	13	96	-	-	-	2	47	12	172
Paper pulp and printing	-	-	-	28	-	-	-	3	20	2	54
Wood and wood products	-	-	3	22	-	-	-	45	22	1	93
Construction	-	-	17	12	-	-	-	3	9	2	43
Textile and leather	1	-	2	14	-	-	-	0	14	3	35
Non-specified	-	-	-	3	-	-	-	9	27	2	41
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1428</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>45</b>	<b>7</b>	<b>-</b>	<b>1503</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1359	2	-	-	-	45	-	-	1406
Rail	-	-	61	-	-	-	-	-	1	-	62
Pipeline transport	-	-	-	22	-	-	-	-	2	-	25
Domestic navigation	-	-	6	-	-	-	-	-	-	-	6
Non-specified	-	-	2	-	-	-	-	-	3	-	5
<b>OTHER</b>	<b>113</b>	<b>-</b>	<b>96</b>	<b>256</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>617</b>	<b>482</b>	<b>741</b>	<b>2304</b>
Residential	61	-	40	158	-	-	-	574	223	527	1583
Comm. and publ. services	52	-	5	66	-	-	-	32	243	205	603
Agriculture/forestry	1	-	43	31	-	-	-	11	16	8	110
Fishing	-	-	2	-	-	-	-	-	0	-	2
Non-specified	-	-	5	-	-	-	-	-	-	-	5
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>181</b>	<b>533</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>714</b>
in industry/transf./energy	-	-	161	533	-	-	-	-	-	-	694
of which: feedstocks	-	-	70	533	-	-	-	-	-	-	602
in transport	-	-	20	-	-	-	-	-	-	-	20
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>647</b>	<b>3186</b>	<b>-</b>	<b>540</b>	<b>224</b>	<b>147</b>	<b>-</b>	<b>250</b>	<b>4994</b>
Electricity plants	-	-	-	-	-	540	224	-	-	-	764
CHP plants	-	-	647	3186	-	-	-	147	-	250	4230
<b>Heat generated - TJ</b>	<b>197</b>	<b>-</b>	<b>1469</b>	<b>30481</b>	<b>-</b>	<b>-</b>	<b>95</b>	<b>7785</b>	<b>13</b>	<b>8766</b>	<b>48806</b>
CHP plants	-	-	750	20305	-	-	-	1530	-	5787	28372
Heat plants	197	-	719	10176	-	-	95	6255	13	2979	20434

### Former Yugoslav Republic of Macedonia

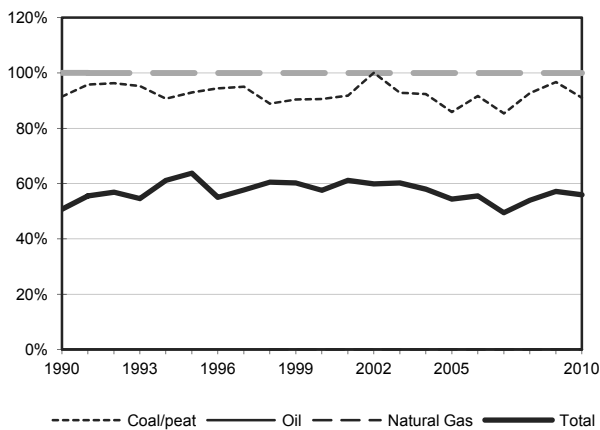
**Figure 1. Energy production**



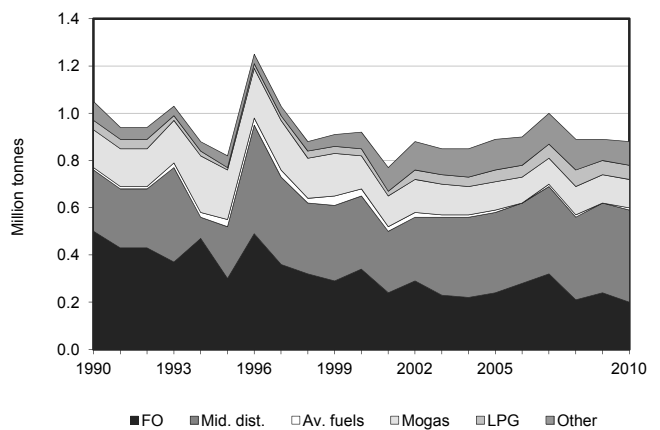
**Figure 2. Total primary energy supply\***



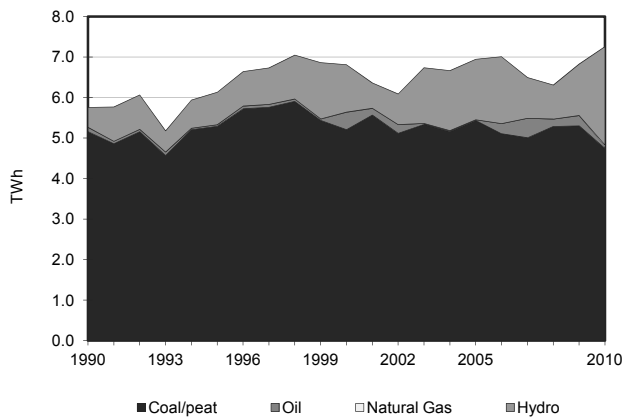
**Figure 3. Energy self-sufficiency\*\***



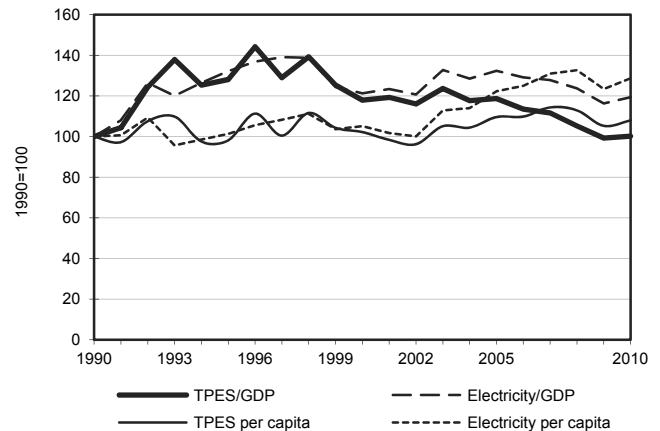
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Former Yugoslav Republic of Macedonia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1293	-	-	-	-	109	10	195	-	-	1607
Imports	49	1023	366	64	-	-	-	8	124	-	1634
Exports	-5	-	-356	-	-	-	-	-0	-	-	-362
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-3	-	-	-	-	-	-	-	-3
Stock changes	-0	-27	-37	0	-	-	-	-2	-	-	-66
<b>TPES</b>	<b>1337</b>	<b>996</b>	<b>-30</b>	<b>64</b>	<b>-</b>	<b>109</b>	<b>10</b>	<b>202</b>	<b>124</b>	<b>-</b>	<b>2812</b>
Electricity and CHP plants	-1267	-	-84	-7	-	-109	-	-	587	25	-854
Oil refineries	-	-1032	977	-	-	-	-	-	-	-	-55
Other transformation*	-4	36	-118	-28	-	-	-1	-3	-161	74	-205
<b>TFC</b>	<b>67</b>	<b>-</b>	<b>744</b>	<b>29</b>	<b>-</b>	<b>-</b>	<b>9</b>	<b>199</b>	<b>550</b>	<b>99</b>	<b>1697</b>
<b>INDUSTRY</b>	<b>63</b>	<b>-</b>	<b>149</b>	<b>28</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>134</b>	<b>46</b>	<b>421</b>
Iron and steel	63	-	61	26	-	-	-	0	72	8	230
Chemical and petrochemical	-	-	-	0	-	-	-	-	6	3	9
Non-metallic minerals	-	-	59	-	-	-	-	0	11	4	74
Other/non-specified	0	-	29	2	-	-	-	1	46	30	108
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>423</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>2</b>	<b>-</b>	<b>433</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	419	0	-	-	-	8	-	-	427
Other/non-specified	-	-	4	-	-	-	-	-	2	-	6
<b>OTHER</b>	<b>4</b>	<b>-</b>	<b>139</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>9</b>	<b>190</b>	<b>413</b>	<b>53</b>	<b>809</b>
Residential	2	-	45	-	-	-	-	174	284	36	541
Comm. and public services	2	-	85	1	-	-	1	15	128	17	248
Agriculture/forestry	-	-	9	-	-	-	7	1	1	-	18
Other/non-specified	-	-	-	-	-	-	1	-	-	-	1
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>34</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	5305	-	251	2	-	1270	-	-	-	-	6828
Heat generated - TJ	289	-	3554	1286	-	-	-	41	-	-	5170

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1194	-	-	-	-	209	12	201	-	-	1616
Imports	134	864	389	96	-	-	-	8	122	-	1613
Exports	-11	-	-332	-	-	-	-	-2	-	-	-346
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-7	-	-	-	-	-	-	-	-7
Stock changes	-5	11	9	-0	-	-	-	-1	-	-	14
<b>TPES</b>	<b>1312</b>	<b>875</b>	<b>58</b>	<b>96</b>	<b>-</b>	<b>209</b>	<b>12</b>	<b>206</b>	<b>122</b>	<b>-</b>	<b>2890</b>
Electricity and CHP plants	-1183	-	-38	-16	-	-209	-	-	624	30	-792
Oil refineries	-	-896	838	-	-	-	-	-	-	-	-58
Other transformation*	-18	21	-70	-50	-	-	-1	-2	-163	61	-223
<b>TFC</b>	<b>111</b>	<b>-</b>	<b>789</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>203</b>	<b>583</b>	<b>90</b>	<b>1816</b>
<b>INDUSTRY</b>	<b>107</b>	<b>-</b>	<b>173</b>	<b>29</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>173</b>	<b>42</b>	<b>526</b>
Iron and steel	106	-	71	26	-	-	-	2	112	8	325
Chemical and petrochemical	-	-	-	0	-	-	-	-	6	3	8
Non-metallic minerals	-	-	67	-	-	-	-	0	12	4	83
Other/non-specified	0	-	34	3	-	-	-	1	44	27	109
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>445</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>2</b>	<b>-</b>	<b>453</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	441	0	-	-	-	6	-	-	447
Other/non-specified	-	-	4	-	-	-	-	-	2	-	6
<b>OTHER</b>	<b>4</b>	<b>-</b>	<b>137</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>194</b>	<b>408</b>	<b>49</b>	<b>803</b>
Residential	2	-	44	-	-	-	-	179	278	34	538
Comm. and public services	2	-	59	1	-	-	1	14	129	15	220
Agriculture/forestry	-	-	17	-	-	-	8	1	1	-	27
Other/non-specified	-	-	18	-	-	-	1	-	-	-	18
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>34</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4743	-	61	25	-	2429	-	-	-	-	7258
Heat generated - TJ	195	-	2415	2338	-	-	-	45	-	-	4993

\* Includes transfers, statistical differences, energy industry own use, and losses.



## Malaysia

Figure 1. Energy production

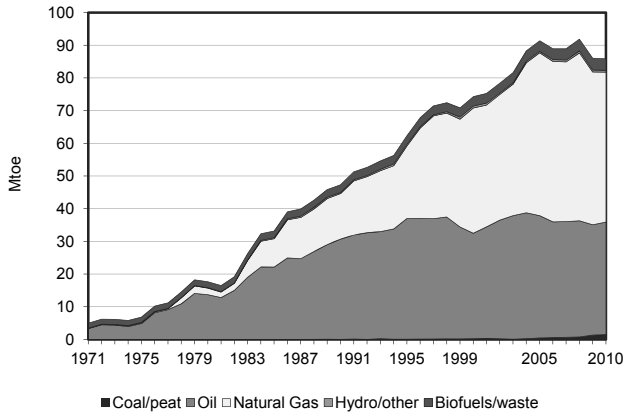


Figure 2. Total primary energy supply\*

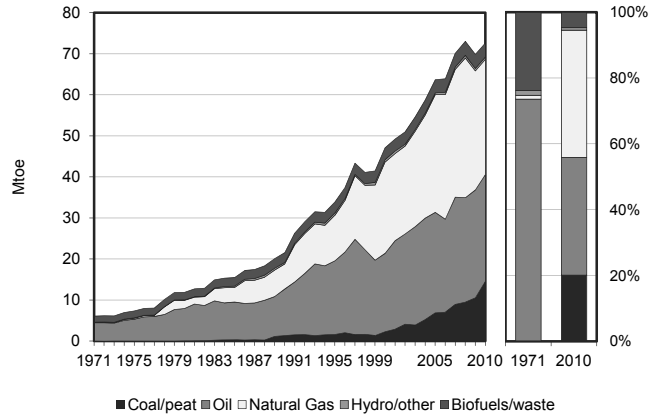


Figure 3. Energy self-sufficiency\*\*

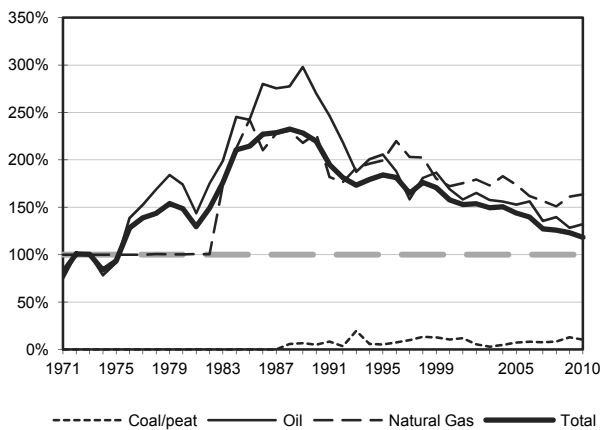


Figure 4. Oil products demand\*\*\*

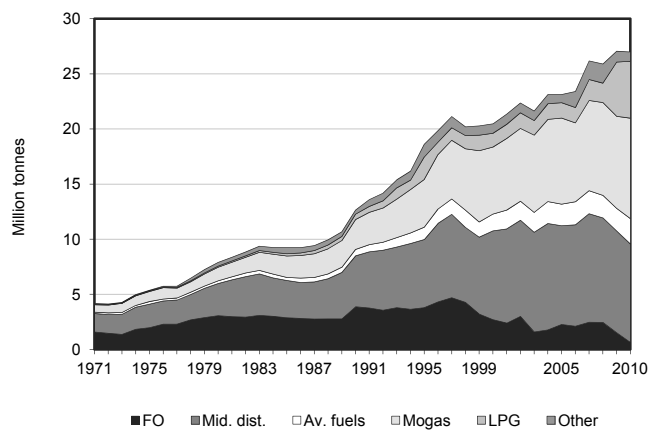


Figure 5. Electricity generation by fuel

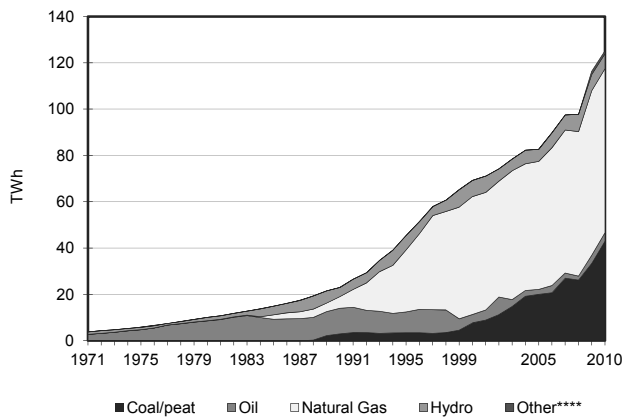
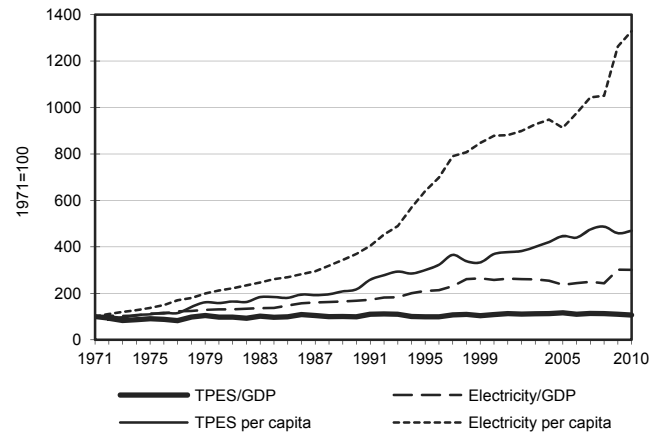


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Malaysia

2009

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1348	33734	-	46748	-	598	-	3642	-	-	86070
Imports	9126	5839	7399	4548	-	-	-	4	1	-	26919
Exports	-119	-12255	-7506	-22288	-	-	-	-217	-9	-	-42394
Intl. marine bunkers	-	-	-47	-	-	-	-	-	-	-	-47
Intl. aviation bunkers	-	-	-2125	-	-	-	-	-	-	-	-2125
Stock changes	192	-76	1319	-	-	-	-	-	-	-	1435
<b>TPES</b>	<b>10547</b>	<b>27242</b>	<b>-960</b>	<b>29009</b>	<b>-</b>	<b>598</b>	<b>-</b>	<b>3429</b>	<b>-7</b>	<b>-</b>	<b>69858</b>
Transfers	-	-1839	1903	-	-	-	-	-	-	-	64
Statistical differences	-91	261	-178	-795	-	-	-	0	-	-	-803
Electricity plants	-9217	-	-881	-13293	-	-598	-	-504	10014	-	-14480
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	41	-	-	-	-	-	-	-	-	-	41
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-26516	25105	-	-	-	-	-	-	-	-1411
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	852	-	-892	-	-	-	-	-	-	-40
Other transformation	-	-	-	-	-	-	-	-1240	-	-	-1240
Energy industry own use	-	-	-206	-7161	-	-	-	-	-552	-	-7918
Losses	-	-	-	-749	-	-	-	-	-604	-	-1353
<b>TFC</b>	<b>1280</b>	<b>-</b>	<b>24784</b>	<b>6118</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1684</b>	<b>8851</b>	<b>-</b>	<b>42718</b>
<b>INDUSTRY</b>	<b>1280</b>	<b>-</b>	<b>4436</b>	<b>4088</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4283</b>	<b>-</b>	<b>14086</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	1280	-	4436	4088	-	-	-	-	4283	-	14086
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>13751</b>	<b>212</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>12</b>	<b>-</b>	<b>13980</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	13730	212	-	-	-	4	-	-	13947
Rail	-	-	-	-	-	-	-	-	12	-	12
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	21	-	-	-	-	-	-	-	21
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>1965</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1680</b>	<b>4556</b>	<b>-</b>	<b>8224</b>
Residential	-	-	750	2	-	-	-	1680	1792	-	4223
Comm. and publ. services	-	-	1026	22	-	-	-	-	2743	-	3791
Agriculture/forestry	-	-	189	-	-	-	-	-	21	-	210
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>4632</b>	<b>1795</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6427</b>
in industry/transf./energy	-	-	4444	1795	-	-	-	-	-	-	6239
of which: feedstocks	-	-	2758	1795	-	-	-	-	-	-	4553
in transport	-	-	188	-	-	-	-	-	-	-	188
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>33452</b>	<b>-</b>	<b>3520</b>	<b>71042</b>	<b>-</b>	<b>6959</b>	<b>-</b>	<b>1467</b>	<b>-</b>	<b>-</b>	<b>116440</b>
Electricity plants	33452	-	3520	71042	-	6959	-	1467	-	-	116440
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Malaysia

2010

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1511	34404	-	45895	-	557	-	3511	-	-	85878
Imports	13073	8115	11965	6310	-	-	-	4	-	-	39468
Exports	-62	-17271	-8996	-24137	-	-	-	-101	-13	-	-50580
Intl. marine bunkers	-	-	-60	-	-	-	-	-	-	-	-60
Intl. aviation bunkers	-	-	-2386	-	-	-	-	-	-	-	-2386
Stock changes	79	-339	587	-	-	-	-	-	-	-	327
<b>TPES</b>	<b>14601</b>	<b>24908</b>	<b>1111</b>	<b>28067</b>	-	<b>557</b>	-	<b>3414</b>	<b>-13</b>	-	<b>72645</b>
Transfers	-	-3109	3204	-	-	-	-	-	-	-	96
Statistical differences	177	181	75	-352	-	-	-	0	-	-	82
Electricity plants	-13016	-	-741	-16223	-	-557	-	-442	10775	-	-20204
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	65	-	-	-	-	-	-	-	-	-	65
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-22848	21218	-	-	-	-	-	-	-	-1631
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	867	-	-951	-	-	-	-	-	-	-84
Other transformation	-	-	-	-	-	-	-	-1261	-	-	-1261
Energy industry own use	-	-	-236	-4216	-	-	-	-	-523	-	-4976
Losses	-	-	-	-698	-	-	-	-	-705	-	-1403
<b>TFC</b>	<b>1826</b>	-	<b>24631</b>	<b>5627</b>	-	-	-	<b>1712</b>	<b>9533</b>	-	<b>43329</b>
<b>INDUSTRY</b>	<b>1826</b>	-	<b>2799</b>	<b>3878</b>	-	-	-	-	<b>4533</b>	-	<b>13036</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	1826	-	2799	3878	-	-	-	-	4533	-	13036
<b>TRANSPORT</b>	-	-	<b>14182</b>	<b>222</b>	-	-	-	<b>4</b>	<b>18</b>	-	<b>14427</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	14171	222	-	-	-	4	-	-	14397
Rail	-	-	-	-	-	-	-	-	18	-	18
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	12	-	-	-	-	-	-	-	12
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>3008</b>	<b>32</b>	-	-	-	<b>1707</b>	<b>4982</b>	-	<b>9729</b>
Residential	-	-	713	5	-	-	-	1707	1937	-	4363
Comm. and publ. services	-	-	1246	27	-	-	-	-	3021	-	4293
Agriculture/forestry	-	-	1049	-	-	-	-	-	24	-	1073
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>4642</b>	<b>1494</b>	-	-	-	-	-	-	<b>6136</b>
in industry/transf./energy	-	-	4487	1494	-	-	-	-	-	-	5981
of which: feedstocks	-	-	2607	1494	-	-	-	-	-	-	4101
in transport	-	-	155	-	-	-	-	-	-	-	155
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>43067</b>	-	<b>3670</b>	<b>70795</b>	-	<b>6472</b>	-	<b>1284</b>	-	-	<b>125288</b>
Electricity plants	43067	-	3670	70795	-	6472	-	1284	-	-	125288
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

Malta

Figure 1. Energy production

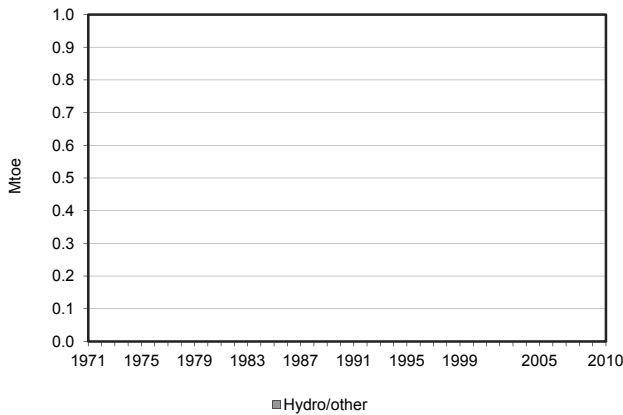


Figure 2. Total primary energy supply\*

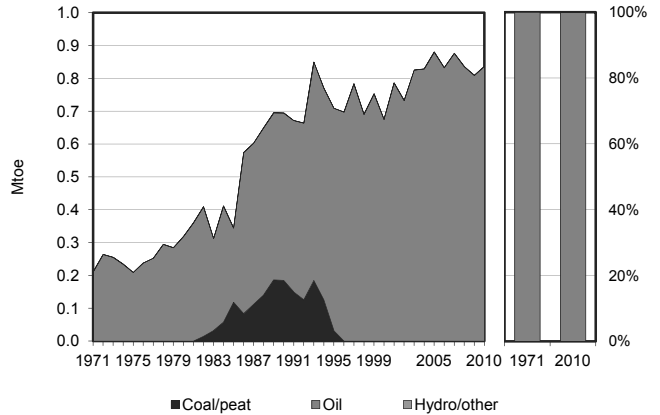


Figure 3. Energy self-sufficiency\*\*

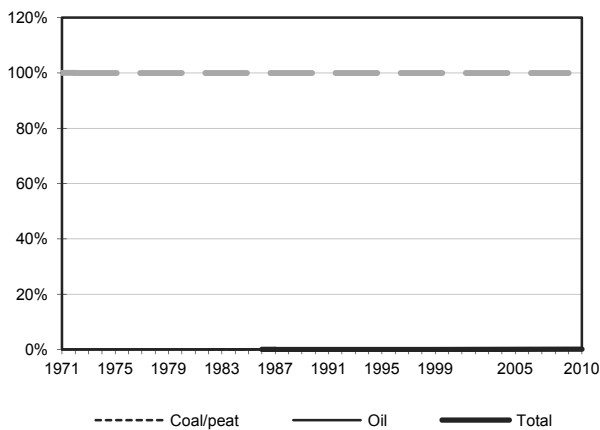


Figure 4. Oil products demand\*\*\*

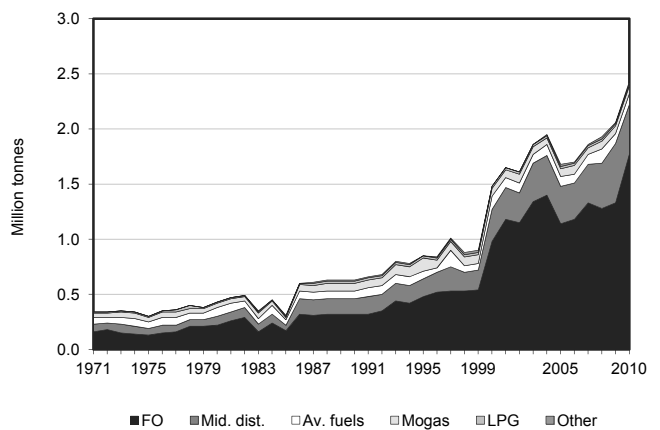


Figure 5. Electricity generation by fuel

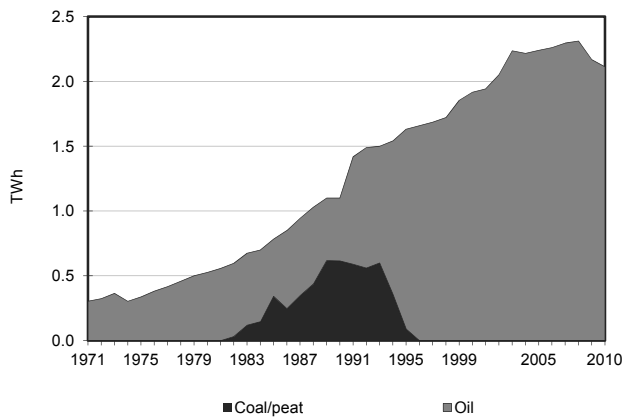
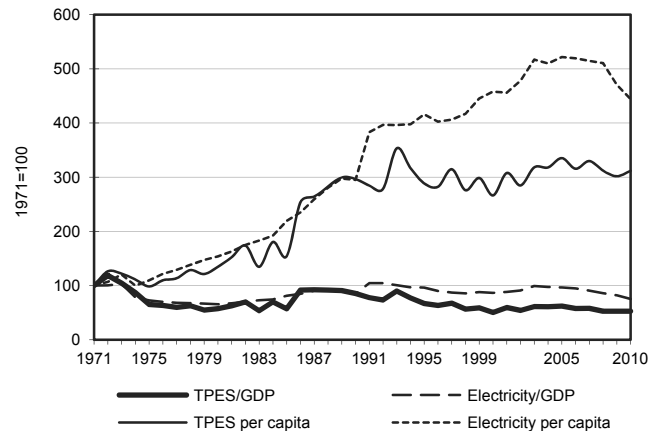


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Malta

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	1	-	-	-	1
Imports	-	-	2005	-	-	-	-	-	-	-	2005
Exports	-	-	-9	-	-	-	-	-	-	-	-9
Intl. marine bunkers	-	-	-1129	-	-	-	-	-	-	-	-1129
Intl. aviation bunkers	-	-	-91	-	-	-	-	-	-	-	-91
Stock changes	-	-	35	-	-	-	-	-	-	-	35
<b>TPES</b>	-	-	<b>809</b>	-	-	-	<b>1</b>	-	-	-	<b>810</b>
Electricity and CHP plants	-	-	-578	-	-	-	-	-	186	-	-392
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-16	-	-	-	-	-	-40	-	-56
<b>TFC</b>	-	-	<b>215</b>	-	-	-	<b>1</b>	-	<b>147</b>	-	<b>363</b>
<b>INDUSTRY</b>	-	-	<b>31</b>	-	-	-	-	-	<b>44</b>	-	<b>75</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	31	-	-	-	-	-	44	-	75
<b>TRANSPORT</b>	-	-	<b>154</b>	-	-	-	-	-	-	-	<b>154</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	154	-	-	-	-	-	-	-	154
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>20</b>	-	-	-	<b>1</b>	-	<b>103</b>	-	<b>124</b>
Residential	-	-	19	-	-	-	-	-	49	-	68
Comm. and public services	-	-	-	-	-	-	-	-	54	-	54
Agriculture/forestry	-	-	1	-	-	-	-	-	0	-	1
Other/non-specified	-	-	-	-	-	-	1	-	-	-	1
<b>NON-ENERGY USE</b>	-	-	<b>11</b>	-	-	-	-	-	-	-	<b>11</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2168	-	-	-	-	-	-	-	2168
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	1	-	-	-	1
Imports	-	-	2404	-	-	-	-	-	-	-	2404
Exports	-	-	-16	-	-	-	-	-	-	-	-16
Intl. marine bunkers	-	-	-1458	-	-	-	-	-	-	-	-1458
Intl. aviation bunkers	-	-	-102	-	-	-	-	-	-	-	-102
Stock changes	-	-	8	-	-	-	-	-	-	-	8
<b>TPES</b>	-	-	<b>836</b>	-	-	-	<b>1</b>	-	-	-	<b>837</b>
Electricity and CHP plants	-	-	-578	-	-	-	-	-	182	-	-397
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-37	-	-	-	-	-	-44	-	-81
<b>TFC</b>	-	-	<b>221</b>	-	-	-	<b>1</b>	-	<b>138</b>	-	<b>360</b>
<b>INDUSTRY</b>	-	-	<b>11</b>	-	-	-	-	-	<b>40</b>	-	<b>51</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	11	-	-	-	-	-	40	-	51
<b>TRANSPORT</b>	-	-	<b>177</b>	-	-	-	-	-	-	-	<b>177</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	177	-	-	-	-	-	-	-	177
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>23</b>	-	-	-	<b>1</b>	-	<b>98</b>	-	<b>122</b>
Residential	-	-	23	-	-	-	-	-	41	-	64
Comm. and public services	-	-	-	-	-	-	-	-	54	-	54
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	1	-	3	-	4
<b>NON-ENERGY USE</b>	-	-	<b>10</b>	-	-	-	-	-	-	-	<b>10</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2113	-	-	-	-	-	-	-	2113
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Republic of Moldova

Figure 1. Energy production

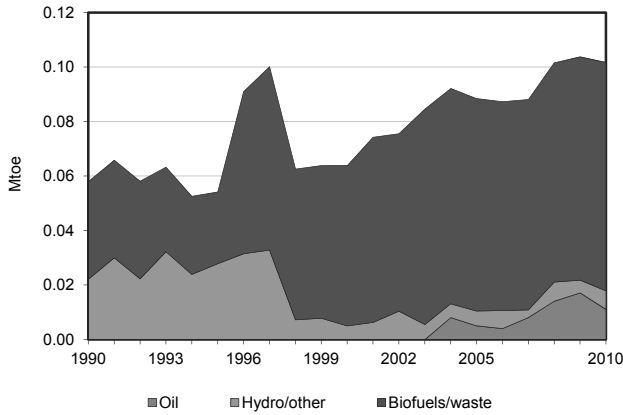


Figure 2. Total primary energy supply\*

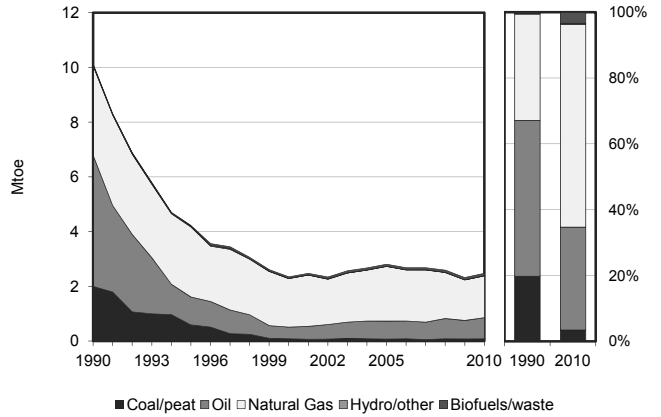


Figure 3. Energy self-sufficiency\*\*

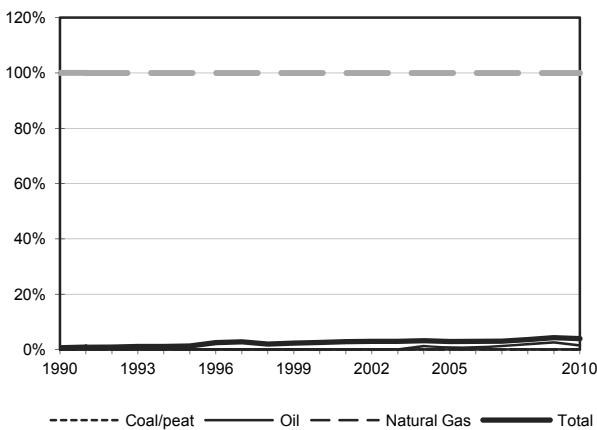


Figure 4. Oil products demand\*\*\*

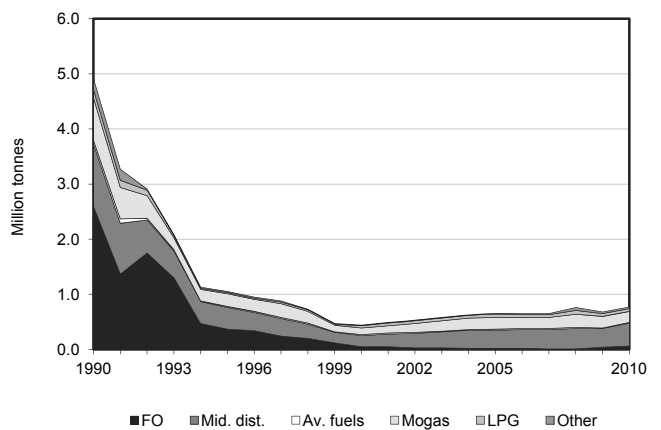


Figure 5. Electricity generation by fuel

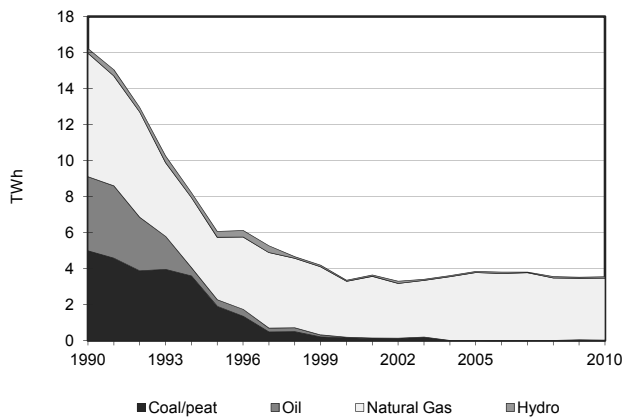
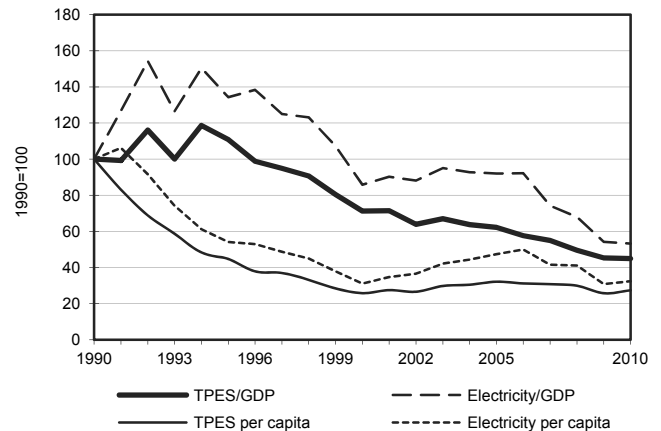


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Republic of Moldova

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	17	-	-	-	5	-	82	-	-	104
Imports	61	-	720	1481	-	-	-	-	126	-	2388
Exports	-	-	-14	-	-	-	-	-	-	-	-14
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-14	-	-	-	-	-	-	-	-14
Stock changes	20	-	-34	-0	-	-	-	-	-	-	-15
<b>TPES</b>	<b>81</b>	<b>17</b>	<b>658</b>	<b>1481</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>82</b>	<b>126</b>	<b>-</b>	<b>2449</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	1	-	14	-	-	-	-	-	-	9	23
Electricity plants	-	-	-1	-662	-	-5	-	-	219	-	-449
CHP plants	-	-	-23	-286	-	-	-	-	84	165	-61
Heat plants	-3	-	-2	-93	-	-	-	-10	-	90	-19
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	1	-	-	-	-	-	-	1
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-17	16	-	-	-	-	-	-	-	-1
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-1	-	-	-	-	-	-32	-0	-33
Losses	-1	-	-2	-42	-	-	-	-	-123	-42	-210
<b>TFC</b>	<b>78</b>	<b>-</b>	<b>659</b>	<b>397</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71</b>	<b>274</b>	<b>222</b>	<b>1701</b>
<b>INDUSTRY</b>	<b>27</b>	<b>-</b>	<b>19</b>	<b>42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>59</b>	<b>42</b>	<b>189</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	0	-	-	-	-	2	1	3
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	2	-	1	30	-	-	-	-	12	0	45
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	0	-	-	-	-	3	0	4
Mining and quarrying	-	-	1	-	-	-	-	-	1	-	2
Food and tobacco	1	-	1	10	-	-	-	-	19	36	67
Paper pulp and printing	-	-	-	1	-	-	-	-	1	2	3
Wood and wood products	-	-	-	0	-	-	-	-	5	0	6
Construction	24	-	-	-	-	-	-	-	1	0	25
Textile and leather	-	-	-	0	-	-	-	-	3	3	6
Non-specified	-	-	16	0	-	-	-	-	11	0	27
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>281</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>291</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	266	2	-	-	-	-	-	-	267
Rail	-	-	14	-	-	-	-	-	-	-	14
Pipeline transport	-	-	-	4	-	-	-	-	0	-	4
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	1	0	-	-	-	-	4	-	5
<b>OTHER</b>	<b>51</b>	<b>-</b>	<b>344</b>	<b>350</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71</b>	<b>210</b>	<b>180</b>	<b>1206</b>
Residential	26	-	285	343	-	-	-	-	125	129	908
Comm. and publ. services	0	-	2	4	-	-	-	-	74	47	128
Agriculture/forestry	-	-	44	2	-	-	-	-	5	1	51
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	25	-	13	1	-	-	-	71	6	3	119
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>
in industry/transf./energy	-	-	2	-	-	-	-	-	-	-	2
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	6	-	-	-	-	-	-	-	6
in other	-	-	7	-	-	-	-	-	-	-	7
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>48</b>	<b>3421</b>	<b>-</b>	<b>55</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3524</b>
Electricity plants	-	-	3	2494	-	55	-	-	-	-	2552
CHP plants	-	-	45	927	-	-	-	-	-	-	972
<b>Heat generated - TJ</b>	<b>74</b>	<b>-</b>	<b>583</b>	<b>9860</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>167</b>	<b>-</b>	<b>-</b>	<b>10684</b>
CHP plants	-	-	518	6386	-	-	-	-	-	-	6904
Heat plants	74	-	65	3474	-	-	-	167	-	-	3780

## Republic of Moldova

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	11	-	-	-	7	-	84	-	-	102
Imports	83	-	754	1526	-	-	-	-	126	-	2488
Exports	-	-	-12	-	-	-	-	-	-	-	-12
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-13	-	-	-	-	-	-	-	-13
Stock changes	2	-	35	1	-	-	-	-	-	-	38
<b>TPES</b>	<b>85</b>	<b>11</b>	<b>763</b>	<b>1527</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>84</b>	<b>126</b>	<b>-</b>	<b>2603</b>
Transfers	-	12	-11	-	-	-	-	-	-	-	1
Statistical differences	0	-	5	2	-	-	-	-	-	-0	7
Electricity plants	-	-	-	-662	-	-7	-	-	222	-	-448
CHP plants	-	-	-19	-297	-	-	-	-	84	188	-44
Heat plants	-2	-	-3	-96	-	-	-	-12	-	100	-13
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-23	21	-	-	-	-	-	-	-	-2
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-28	-	-	-	-	-	-39	-1	-67
Losses	-	-	-2	-44	-	-	-	-	-110	-48	-204
<b>TFC</b>	<b>84</b>	<b>-</b>	<b>726</b>	<b>430</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71</b>	<b>283</b>	<b>239</b>	<b>1833</b>
<b>INDUSTRY</b>	<b>25</b>	<b>-</b>	<b>5</b>	<b>57</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>68</b>	<b>53</b>	<b>208</b>
Iron and steel	-	-	-	-	-	-	-	-	0	-	0
Chemical and petrochemical	-	-	-	0	-	-	-	-	2	1	3
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	24	-	2	43	-	-	-	-	14	0	83
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	0	-	-	-	-	4	0	5
Mining and quarrying	-	-	1	-	-	-	-	-	1	-	2
Food and tobacco	1	-	2	12	-	-	-	-	25	47	87
Paper pulp and printing	-	-	-	1	-	-	-	-	1	1	3
Wood and wood products	-	-	-	0	-	-	-	-	6	0	6
Construction	-	-	-	-	-	-	-	-	1	0	1
Textile and leather	-	-	-	1	-	-	-	-	3	2	6
Non-specified	-	-	-	0	-	-	-	-	11	-	11
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>332</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>338</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	318	1	-	-	-	-	-	-	319
Rail	-	-	14	-	-	-	-	-	-	-	14
Pipeline transport	-	-	-	1	-	-	-	-	0	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	4	-	4
<b>OTHER</b>	<b>58</b>	<b>-</b>	<b>357</b>	<b>371</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71</b>	<b>211</b>	<b>187</b>	<b>1255</b>
Residential	19	-	301	359	-	-	-	-	130	132	941
Comm. and publ. services	0	-	3	7	-	-	-	-	67	47	125
Agriculture/forestry	-	-	45	2	-	-	-	-	5	1	52
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	39	-	8	3	-	-	-	71	9	6	136
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>32</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>32</b>
in industry/transf./energy	-	-	-	-	-	-	-	-	-	-	-
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	6	-	-	-	-	-	-	-	6
in other	-	-	26	-	-	-	-	-	-	-	26
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>29</b>	<b>3445</b>	<b>-</b>	<b>79</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3553</b>
Electricity plants	-	-	-	2495	-	79	-	-	-	-	2574
CHP plants	-	-	29	950	-	-	-	-	-	-	979
<b>Heat generated - TJ</b>	<b>62</b>	<b>-</b>	<b>674</b>	<b>11114</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>189</b>	<b>-</b>	<b>-</b>	<b>12039</b>
CHP plants	-	-	597	7255	-	-	-	-	-	-	7852
Heat plants	62	-	77	3859	-	-	-	189	-	-	4187



## Mongolia

Figure 1. Energy production

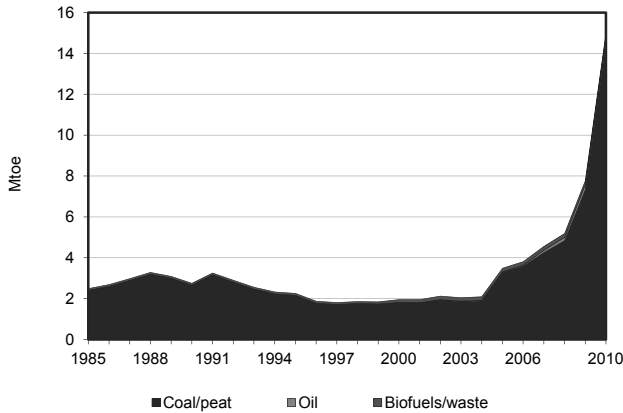


Figure 2. Total primary energy supply\*

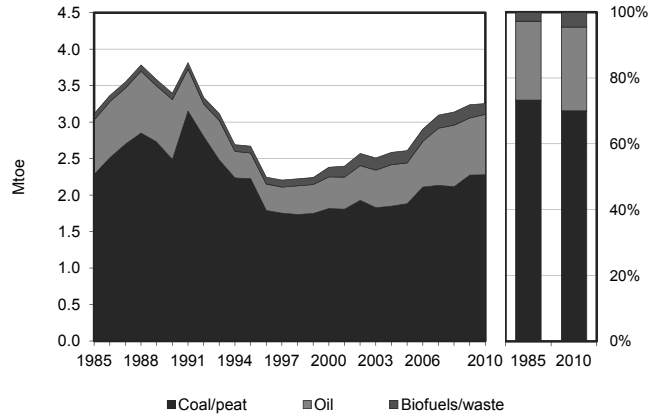


Figure 3. Energy self-sufficiency\*\*

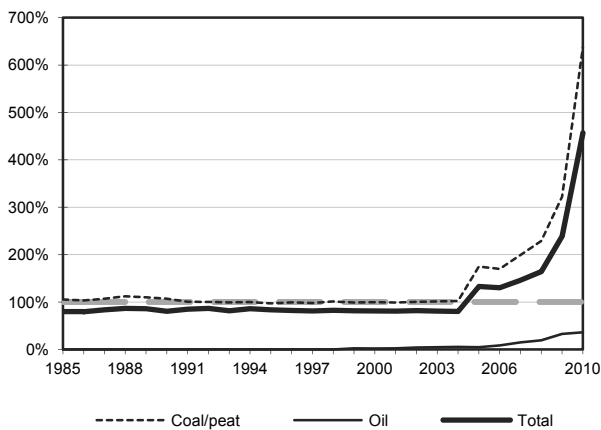


Figure 4. Oil products demand\*\*\*

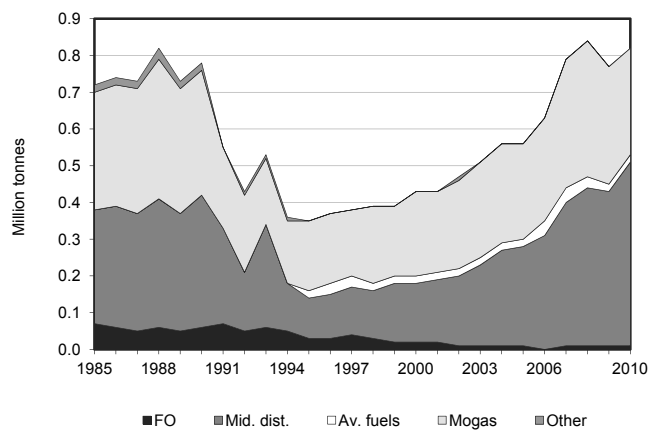


Figure 5. Electricity generation by fuel

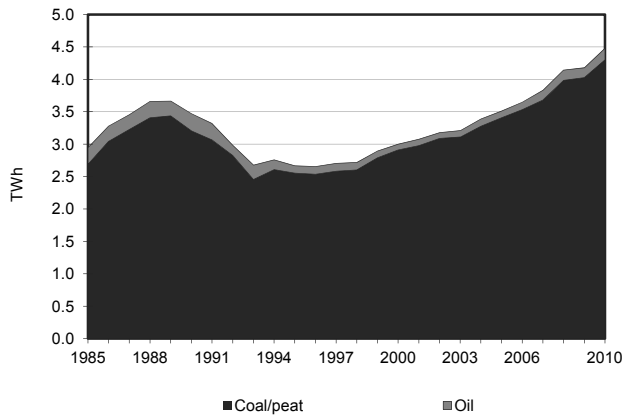
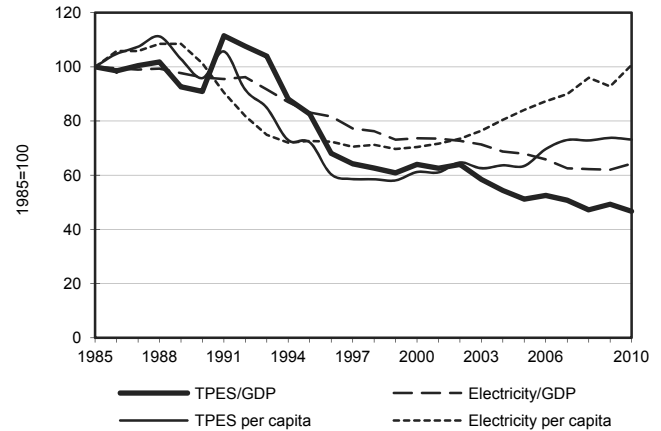


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Mongolia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	7329	258	-	-	-	-	-	181	-	-	7768
Imports	-	-	800	-	-	-	-	-	14	-	813
Exports	-4743	-268	-	-	-	-	-	-	-2	-	-5012
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Stock changes	-311	10	-	-	-	-	-	-	-	-	-301
<b>TPES</b>	<b>2275</b>	-	<b>784</b>	-	-	-	-	<b>181</b>	<b>12</b>	-	<b>3252</b>
Electricity and CHP plants	-1747	-	-53	-	-	-	-	-	359	832	-609
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-23	-	-	-	-	-	-	-77	-98	-49	-248
<b>TFC</b>	<b>505</b>	-	<b>730</b>	-	-	-	-	<b>104</b>	<b>273</b>	<b>783</b>	<b>2395</b>
<b>INDUSTRY</b>	<b>120</b>	-	<b>230</b>	-	-	-	-	-	<b>162</b>	<b>200</b>	<b>711</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	120	-	230	-	-	-	-	-	162	200	711
<b>TRANSPORT</b>	<b>14</b>	-	<b>464</b>	-	-	-	-	-	<b>11</b>	-	<b>488</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	367	-	-	-	-	-	-	-	367
Other/non-specified	14	-	96	-	-	-	-	-	11	-	121
<b>OTHER</b>	<b>372</b>	-	<b>34</b>	-	-	-	-	<b>104</b>	<b>100</b>	<b>583</b>	<b>1192</b>
Residential	205	-	-	-	-	-	-	73	75	357	711
Comm. and public services	1	-	-	-	-	-	-	-	-	195	196
Agriculture/forestry	5	-	34	-	-	-	-	8	3	4	54
Other/non-specified	161	-	-	-	-	-	-	23	23	26	232
<b>NON-ENERGY USE</b>	-	-	<b>3</b>	-	-	-	-	-	-	-	<b>3</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4028	-	152	-	-	-	-	-	-	-	4180
Heat generated - TJ	34736	-	100	-	-	-	-	-	-	-	34836

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	14527	301	-	-	-	-	-	146	-	-	14974
Imports	-	-	846	-	-	-	-	-	23	-	868
Exports	-11720	-286	-	-	-	-	-	-	-2	-	-12008
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-17	-	-	-	-	-	-	-	-17
Stock changes	-526	-15	-	-	-	-	-	-	-	-	-541
<b>TPES</b>	<b>2280</b>	-	<b>829</b>	-	-	-	-	<b>146</b>	<b>21</b>	-	<b>3276</b>
Electricity and CHP plants	-1903	-	-63	-	-	-	-	-	385	836	-745
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-30	-	-	-	-	-	-	-62	-101	-54	-247
<b>TFC</b>	<b>347</b>	-	<b>766</b>	-	-	-	-	<b>84</b>	<b>305</b>	<b>782</b>	<b>2284</b>
<b>INDUSTRY</b>	<b>115</b>	-	<b>275</b>	-	-	-	-	-	<b>180</b>	<b>208</b>	<b>779</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	115	-	275	-	-	-	-	-	180	208	779
<b>TRANSPORT</b>	<b>17</b>	-	<b>446</b>	-	-	-	-	-	<b>12</b>	-	<b>475</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	331	-	-	-	-	-	-	-	331
Other/non-specified	17	-	115	-	-	-	-	-	12	-	144
<b>OTHER</b>	<b>215</b>	-	<b>42</b>	-	-	-	-	<b>84</b>	<b>113</b>	<b>574</b>	<b>1028</b>
Residential	211	-	-	-	-	-	-	59	84	336	690
Comm. and public services	1	-	-	-	-	-	-	-	-	205	206
Agriculture/forestry	3	-	42	-	-	-	-	7	3	4	60
Other/non-specified	-	-	-	-	-	-	-	18	25	28	72
<b>NON-ENERGY USE</b>	-	-	<b>3</b>	-	-	-	-	-	-	-	<b>3</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4302	-	179	-	-	-	-	-	-	-	4481
Heat generated - TJ	34912	-	100	-	-	-	-	-	-	-	35012

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Montenegro

Figure 1. Energy production

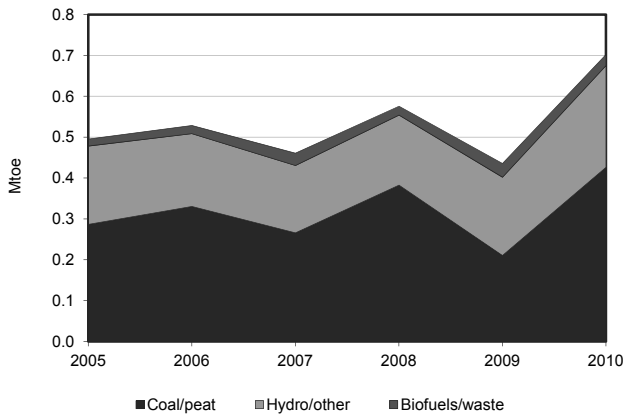


Figure 2. Total primary energy supply\*

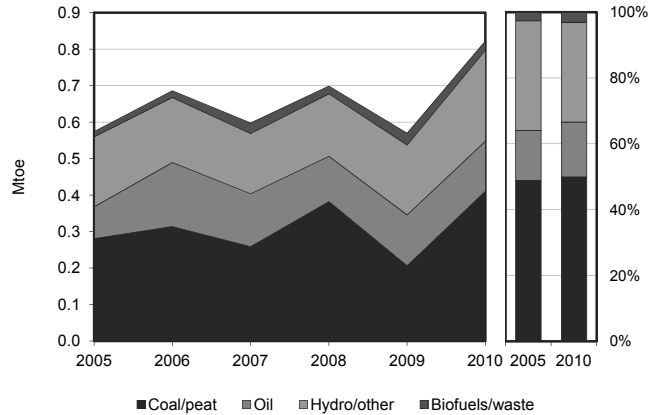


Figure 3. Energy self-sufficiency\*\*

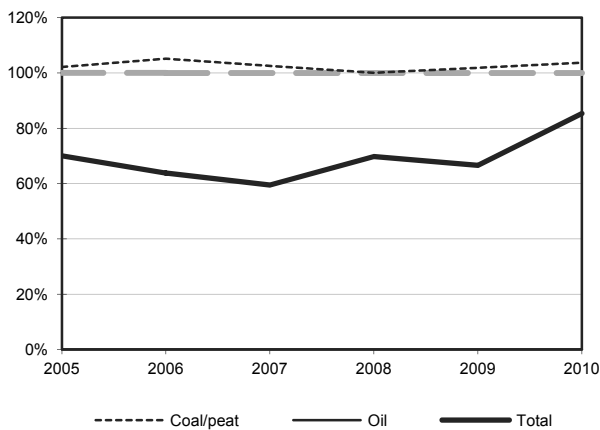


Figure 4. Oil products demand\*\*\*

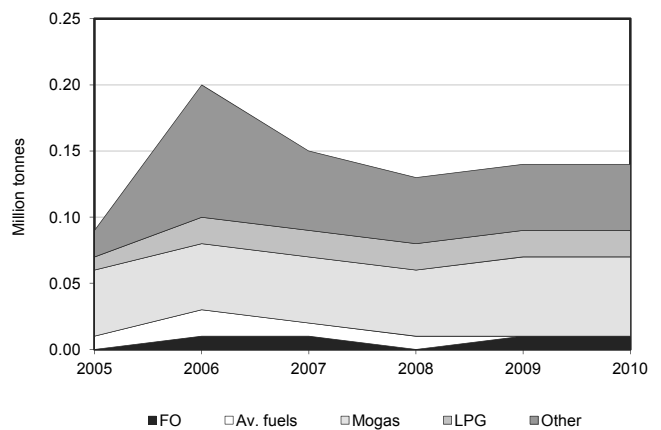


Figure 5. Electricity generation by fuel

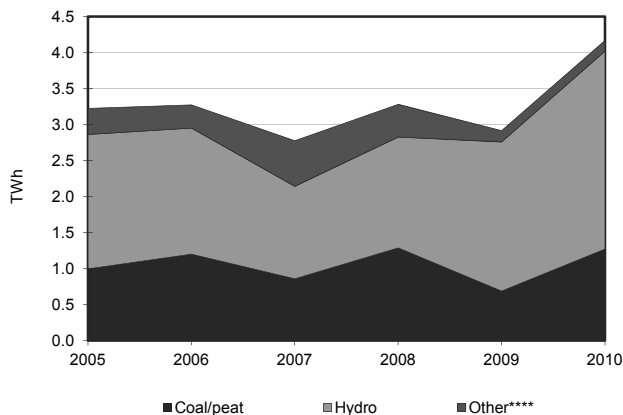
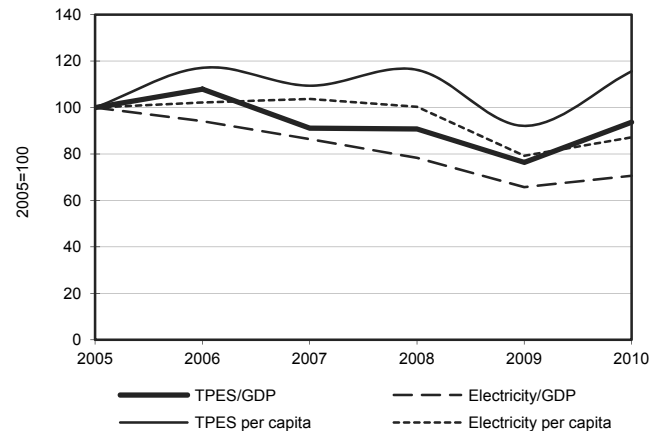


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Montenegro

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	211	-	-	-	-	178	14	34	-	-	436
Imports	9	-	153	-	-	-	-	0	99	-	261
Exports	-13	-	-12	-	-	-	-	-1	-15	-	-40
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-2	-	-	-	-	-	-	-	-2
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>207</b>	-	<b>139</b>	-	-	<b>178</b>	<b>14</b>	<b>33</b>	<b>84</b>	-	<b>654</b>
Electricity and CHP plants	-192	-	-	-	-	-178	-14	-	251	-	-133
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-0	-	-	-	-	-	-	-	-76	-	-76
<b>TFC</b>	<b>14</b>	-	<b>139</b>	-	-	-	-	<b>33</b>	<b>259</b>	-	<b>446</b>
<b>INDUSTRY</b>	<b>10</b>	-	<b>53</b>	-	-	-	-	-	<b>146</b>	-	<b>209</b>
Iron and steel	3	-	9	-	-	-	-	-	11	-	22
Chemical and petrochemical	-	-	16	-	-	-	-	-	33	-	49
Non-metallic minerals	-	-	1	-	-	-	-	-	0	-	1
Other/non-specified	7	-	26	-	-	-	-	-	102	-	136
<b>TRANSPORT</b>	-	-	<b>67</b>	-	-	-	-	-	<b>2</b>	-	<b>69</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	67	-	-	-	-	-	2	-	69
<b>OTHER</b>	<b>4</b>	-	<b>1</b>	-	-	-	-	<b>33</b>	<b>112</b>	-	<b>150</b>
Residential	4	-	1	-	-	-	-	26	109	-	140
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	3	-	3
Other/non-specified	-	-	-	-	-	-	-	7	-	-	7
<b>NON-ENERGY USE</b>	-	-	<b>18</b>	-	-	-	-	-	-	-	<b>18</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	689	-	-	-	-	2071	157	-	-	-	2917
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	426	-	-	-	-	237	13	27	-	-	702
Imports	-	-	158	-	-	-	-	0	63	-	221
Exports	-15	-	-18	-	-	-	-	-2	-63	-	-98
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-2	-	-	-	-	-	-	-	-2
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>411</b>	-	<b>137</b>	-	-	<b>237</b>	<b>13</b>	<b>25</b>	<b>0</b>	-	<b>823</b>
Electricity and CHP plants	-407	-	-	-	-	-237	-13	-	359	-	-298
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-83	-	-83
<b>TFC</b>	<b>4</b>	-	<b>137</b>	-	-	-	-	<b>25</b>	<b>276</b>	-	<b>443</b>
<b>INDUSTRY</b>	<b>2</b>	-	<b>59</b>	-	-	-	-	-	<b>136</b>	-	<b>197</b>
Iron and steel	2	-	10	-	-	-	-	-	7	-	19
Chemical and petrochemical	-	-	10	-	-	-	-	-	0	-	10
Non-metallic minerals	-	-	1	-	-	-	-	-	-	-	1
Other/non-specified	0	-	38	-	-	-	-	-	129	-	167
<b>TRANSPORT</b>	-	-	<b>60</b>	-	-	-	-	-	<b>2</b>	-	<b>62</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	60	-	-	-	-	-	2	-	62
<b>OTHER</b>	<b>2</b>	-	-	-	-	-	-	<b>25</b>	<b>138</b>	-	<b>166</b>
Residential	2	-	-	-	-	-	-	24	110	-	136
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	3	-	3
Other/non-specified	-	-	-	-	-	-	-	2	25	-	27
<b>NON-ENERGY USE</b>	-	-	<b>18</b>	-	-	-	-	-	-	-	<b>18</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1272	-	-	-	-	2750	147	-	-	-	4169
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

Morocco

Figure 1. Energy production

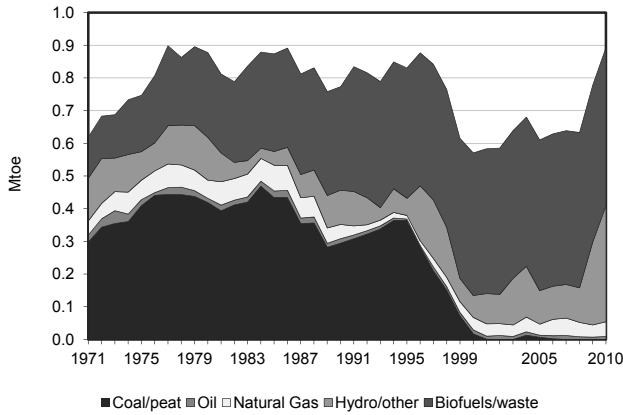


Figure 2. Total primary energy supply\*

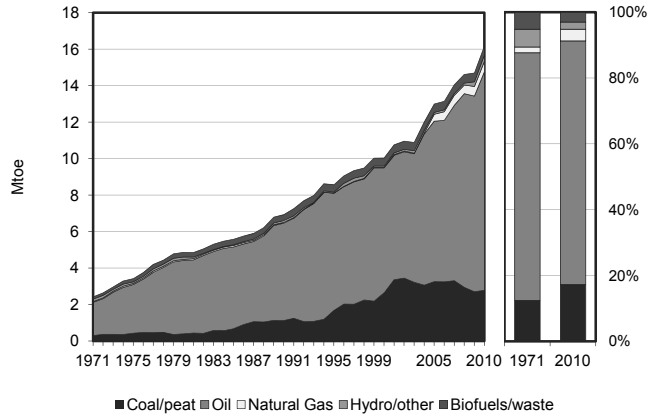


Figure 3. Energy self-sufficiency\*\*

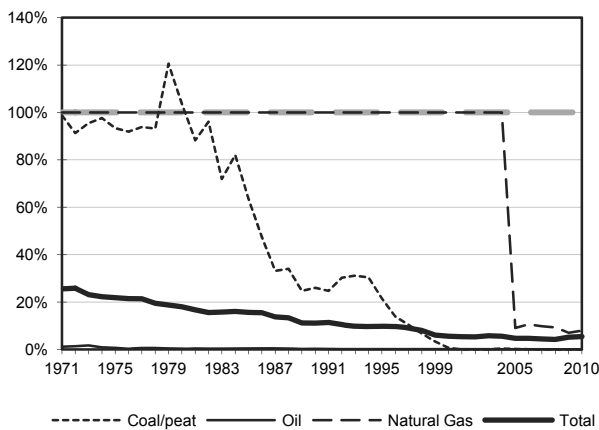


Figure 4. Oil products demand\*\*\*

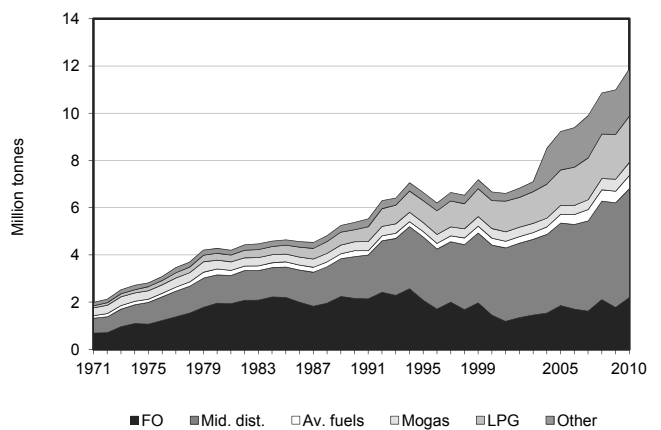


Figure 5. Electricity generation by fuel

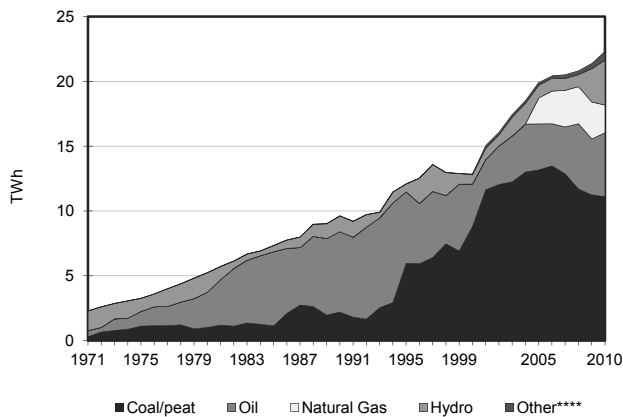
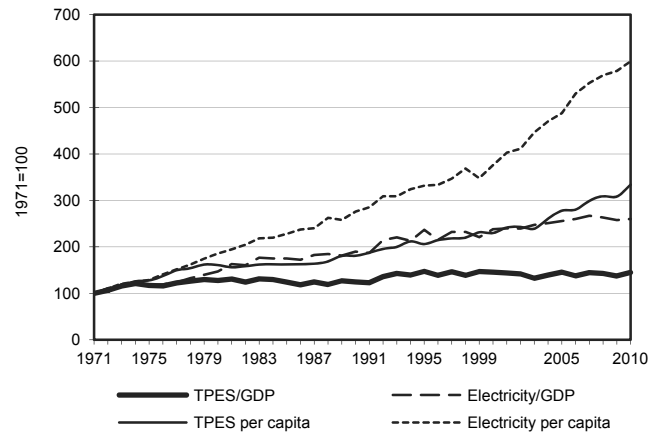


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Morocco

2009

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	7	-	37	-	221	34	480	-	-	779
Imports	2705	4854	7231	490	-	-	-	-	398	-	15678
Exports	-	-	-836	-	-	-	-	-	-	-	-836
Intl. marine bunkers	-	-	-9	-	-	-	-	-	-	-	-9
Intl. aviation bunkers	-	-	-520	-	-	-	-	-	-	-	-520
Stock changes	-	-153	155	-	-	-	-	-	-	-	2
<b>TPES</b>	<b>2705</b>	<b>4708</b>	<b>6021</b>	<b>527</b>	<b>-</b>	<b>221</b>	<b>34</b>	<b>480</b>	<b>398</b>	<b>-</b>	<b>15094</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-	1	-11	-	-	-	-	-	-	-	-10
Electricity plants	-2690	-	-981	-490	-	-221	-34	-	1838	-	-2578
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-4709	4595	-	-	-	-	-	-	-	-114
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-200	-	-	-	-	-	-94	-	-294
Losses	-	-	-	-	-	-	-	-	-216	-	-216
<b>TFC</b>	<b>15</b>	<b>-</b>	<b>9424</b>	<b>37</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>480</b>	<b>1925</b>	<b>-</b>	<b>11881</b>
<b>INDUSTRY</b>	<b>15</b>	<b>-</b>	<b>1852</b>	<b>37</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>73</b>	<b>731</b>	<b>-</b>	<b>2708</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	81	-	81
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	754	-	-	-	-	-	229	-	983
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	127	-	127
Mining and quarrying	5	-	-	23	-	-	-	-	138	-	167
Food and tobacco	8	-	-	-	-	-	-	-	67	-	75
Paper pulp and printing	-	-	-	-	-	-	-	-	13	-	13
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	25	-	25
Textile and leather	-	-	-	-	-	-	-	-	32	-	32
Non-specified	2	-	1097	14	-	-	-	73	19	-	1205
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>3762</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>96</b>	<b>-</b>	<b>3858</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	3762	-	-	-	-	-	-	-	3762
Rail	-	-	-	-	-	-	-	-	96	-	96
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>3159</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>407</b>	<b>1097</b>	<b>-</b>	<b>4664</b>
Residential	-	-	1533	-	-	-	-	407	635	-	2576
Comm. and publ. services	-	-	-	-	-	-	-	-	347	-	347
Agriculture/forestry	-	-	1606	-	-	-	-	-	115	-	1722
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	20	-	-	-	-	-	-	-	20
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>651</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>651</b>
in industry/transf./energy	-	-	651	-	-	-	-	-	-	-	651
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>11248</b>	<b>-</b>	<b>4320</b>	<b>2844</b>	<b>-</b>	<b>2568</b>	<b>391</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21371</b>
Electricity plants	11248	-	4320	2844	-	2568	391	-	-	-	21371
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Morocco

2010

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	9	-	45	-	298	57	485	-	-	894
Imports	2787	6176	7230	525	-	-	-	-	339	-	17057
Exports	-	-	-627	-	-	-	-	-	-	-	-627
Intl. marine bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Intl. aviation bunkers	-	-	-597	-	-	-	-	-	-	-	-597
Stock changes	-	204	-408	-	-	-	-	-	-	-	-204
<b>TPES</b>	<b>2787</b>	<b>6389</b>	<b>5583</b>	<b>570</b>	<b>-</b>	<b>298</b>	<b>57</b>	<b>485</b>	<b>339</b>	<b>-</b>	<b>16508</b>
Transfers	-	362	-328	-	-	-	-	-	-	-	34
Statistical differences	-	1	-192	-	-	-	-	-	-	-	-191
Electricity plants	-2766	-	-1267	-525	-	-298	-57	-	1918	-	-2994
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-6752	6366	-	-	-	-	-	-	-	-386
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-277	-	-	-	-	-	-94	-	-370
Losses	-	-	-	-	-	-	-	-	-125	-	-125
<b>TFC</b>	<b>21</b>	<b>-</b>	<b>9886</b>	<b>45</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>485</b>	<b>2039</b>	<b>-</b>	<b>12476</b>
<b>INDUSTRY</b>	<b>21</b>	<b>-</b>	<b>1960</b>	<b>45</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>73</b>	<b>775</b>	<b>-</b>	<b>2874</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	86	-	86
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	775	-	-	-	-	-	242	-	1017
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	134	-	134
Mining and quarrying	5	-	-	30	-	-	-	-	146	-	181
Food and tobacco	8	-	-	-	-	-	-	-	71	-	79
Paper pulp and printing	-	-	-	-	-	-	-	-	14	-	14
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	26	-	26
Textile and leather	-	-	-	-	-	-	-	-	34	-	34
Non-specified	8	-	1185	15	-	-	-	73	20	-	1302
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>3481</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>3501</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	3481	-	-	-	-	-	-	-	3481
Rail	-	-	-	-	-	-	-	-	20	-	20
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>3900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>412</b>	<b>1244</b>	<b>-</b>	<b>5555</b>
Residential	-	-	1588	-	-	-	-	412	673	-	2672
Comm. and publ. services	-	-	-	-	-	-	-	-	449	-	449
Agriculture/forestry	-	-	2121	-	-	-	-	-	122	-	2243
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	192	-	-	-	-	-	-	-	192
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>545</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>545</b>
in industry/transf./energy	-	-	545	-	-	-	-	-	-	-	545
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>11089</b>	<b>-</b>	<b>4939</b>	<b>2153</b>	<b>-</b>	<b>3468</b>	<b>659</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>22308</b>
Electricity plants	11089	-	4939	2153	-	3468	659	-	-	-	22308
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Mozambique

Figure 1. Energy production

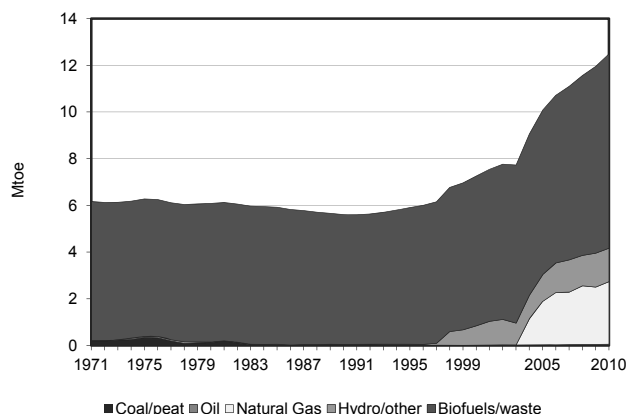


Figure 2. Total primary energy supply\*

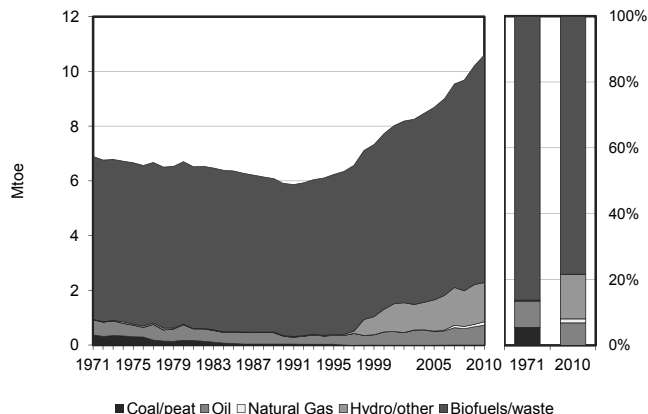


Figure 3. Energy self-sufficiency\*\*

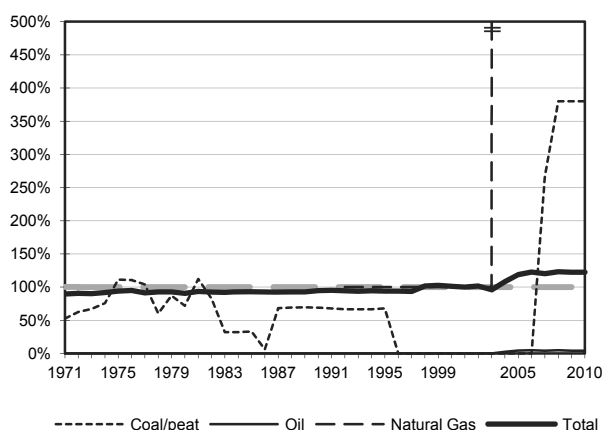


Figure 4. Oil products demand\*\*\*

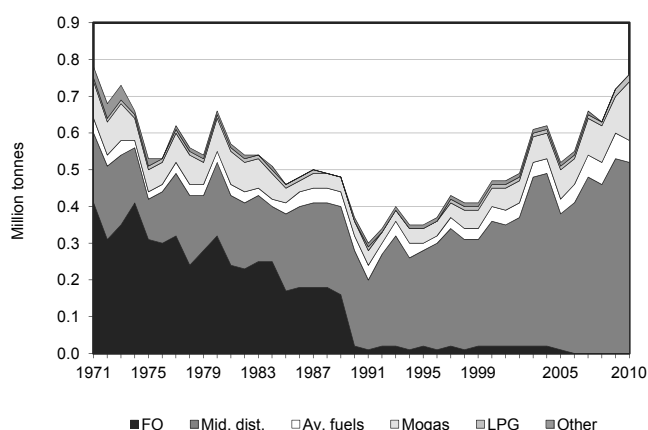


Figure 5. Electricity generation by fuel

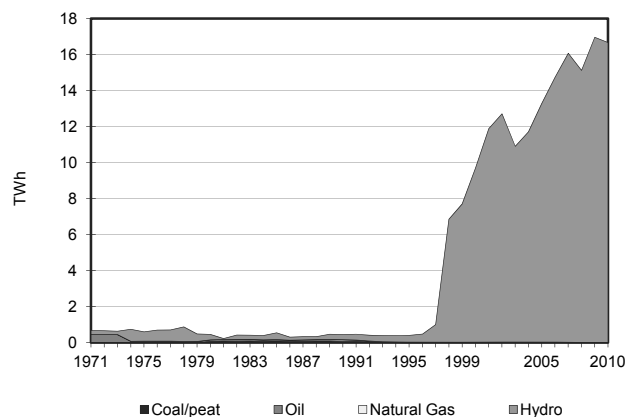
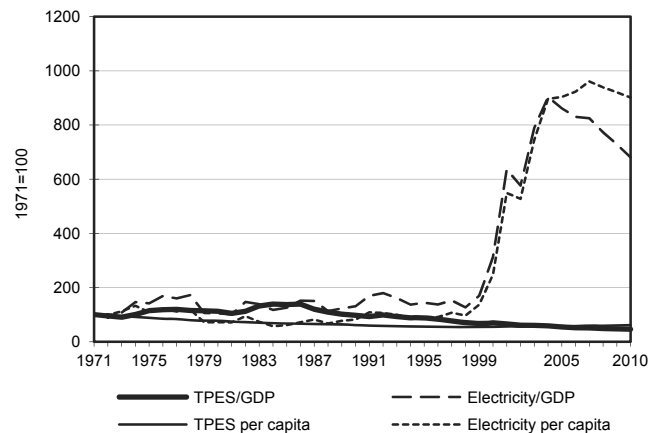


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 500%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Mozambique

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	23	28	-	2450	-	1458	-	7998	-	-	11956
Imports	-	-	739	-	-	-	-	-	677	-	1416
Exports	-17	-28	-	-2367	-	-	-	-	-1113	-	-3524
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-71	-	-	-	-	-	-	-	-71
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>6</b>	<b>-</b>	<b>667</b>	<b>83</b>	<b>-</b>	<b>1458</b>	<b>-</b>	<b>7998</b>	<b>-436</b>	<b>-</b>	<b>9776</b>
Electricity and CHP plants	-	-	-	-4	-	-1458	-	-	1459	-	-3
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-3	-	1	-	-	-	-	-1793	-202	-	-1997
<b>TFC</b>	<b>3</b>	<b>-</b>	<b>668</b>	<b>79</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6205</b>	<b>821</b>	<b>-</b>	<b>7776</b>
<b>INDUSTRY</b>	<b>3</b>	<b>-</b>	<b>102</b>	<b>58</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>626</b>	<b>657</b>	<b>-</b>	<b>1446</b>
Iron and steel	-	-	-	30	-	-	-	-	-	-	30
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	23	-	-	-	-	-	-	23
Other/non-specified	3	-	102	5	-	-	-	626	657	-	1393
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>500</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>500</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	454	0	-	-	-	-	-	-	454
Other/non-specified	-	-	46	-	-	-	-	-	-	-	46
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>21</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5579</b>	<b>164</b>	<b>-</b>	<b>5830</b>
Residential	-	-	39	-	-	-	-	5579	63	-	5681
Comm. and public services	-	-	20	-	-	-	-	-	19	-	39
Agriculture/forestry	-	-	7	-	-	-	-	-	-	-	7
Other/non-specified	-	-	-	21	-	-	-	-	82	-	103
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1	12	-	16950	-	-	-	-	16963
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

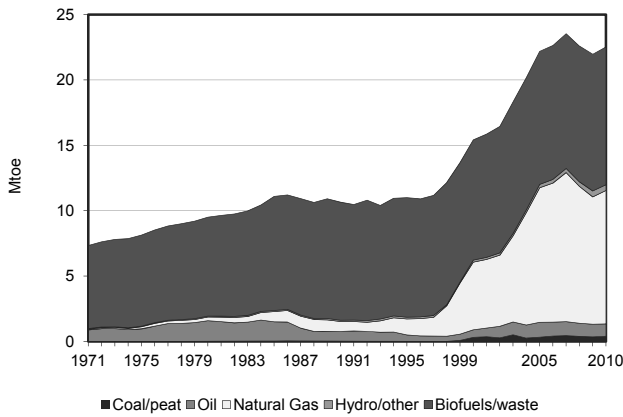
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	23	31	-	2682	-	1432	-	8322	-	-	12489
Imports	-	-	789	-	-	-	-	-	682	-	1471
Exports	-17	-31	-	-2553	-	-	-	-	-1093	-	-3694
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-68	-	-	-	-	-	-	-	-68
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>6</b>	<b>-</b>	<b>721</b>	<b>128</b>	<b>-</b>	<b>1432</b>	<b>-</b>	<b>8322</b>	<b>-411</b>	<b>-</b>	<b>10198</b>
Electricity and CHP plants	-	-	-	-5	-	-1432	-	-	1433	-	-3
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-3	-	2	-	-	-	-	-1835	-141	-	-1977
<b>TFC</b>	<b>3</b>	<b>-</b>	<b>723</b>	<b>124</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6487</b>	<b>881</b>	<b>-</b>	<b>8218</b>
<b>INDUSTRY</b>	<b>3</b>	<b>-</b>	<b>100</b>	<b>56</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>640</b>	<b>772</b>	<b>-</b>	<b>1572</b>
Iron and steel	-	-	-	26	-	-	-	-	-	-	26
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	24	-	-	-	-	-	-	24
Other/non-specified	3	-	100	6	-	-	-	640	772	-	1522
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>556</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>556</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	511	-	-	-	-	-	-	-	511
Other/non-specified	-	-	44	-	-	-	-	-	-	-	44
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>67</b>	<b>68</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5847</b>	<b>108</b>	<b>-</b>	<b>6091</b>
Residential	-	-	40	0	-	-	-	5847	77	-	5965
Comm. and public services	-	-	20	-	-	-	-	-	19	-	38
Agriculture/forestry	-	-	7	-	-	-	-	-	-	-	7
Other/non-specified	-	-	-	68	-	-	-	-	12	-	80
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1	18	-	16647	-	-	-	-	16666
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

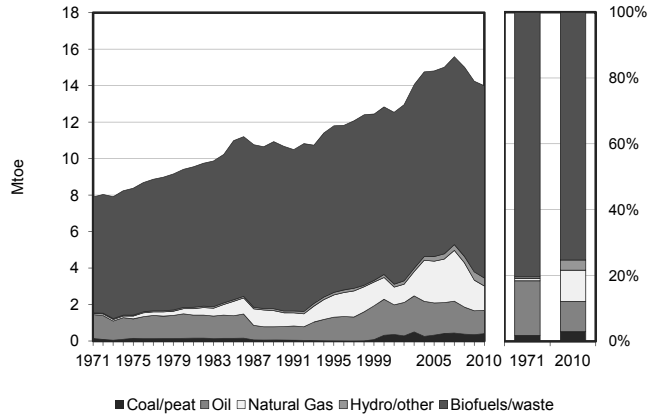
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Myanmar

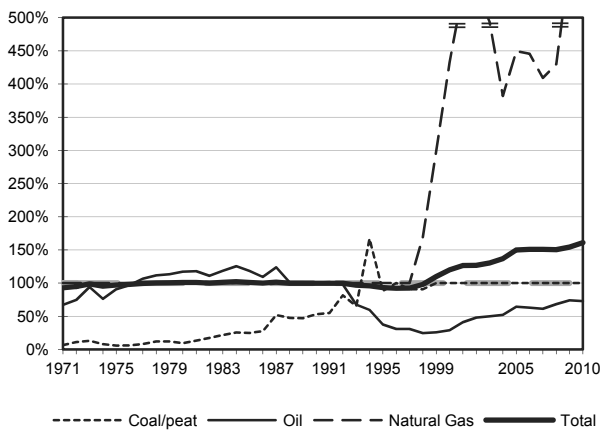
**Figure 1. Energy production**



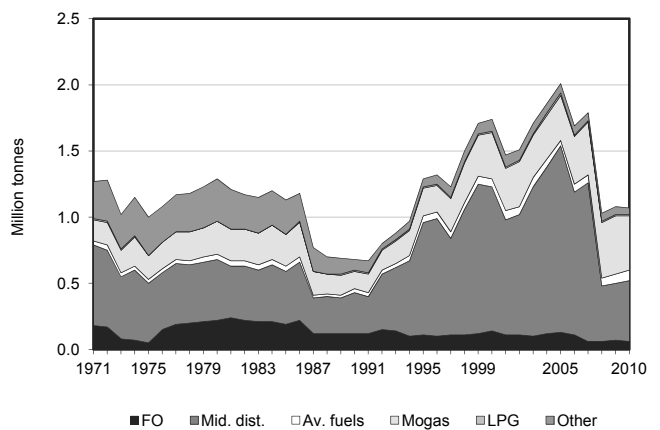
**Figure 2. Total primary energy supply\***



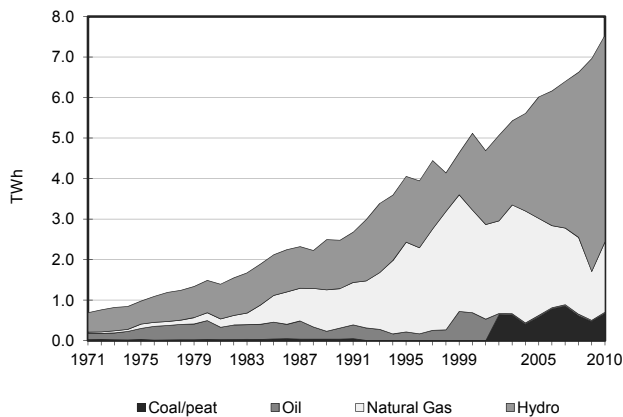
**Figure 3. Energy self-sufficiency\*\***



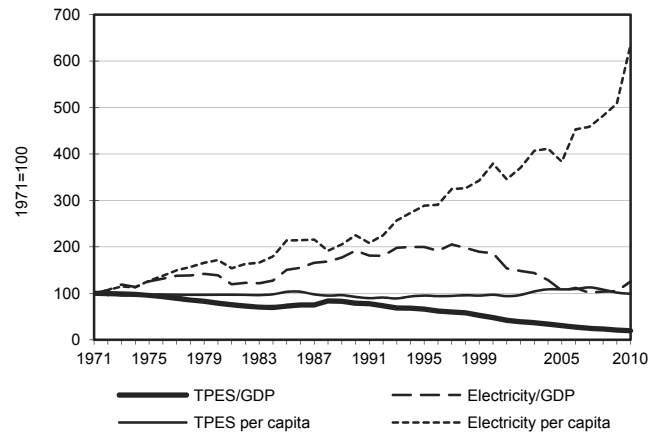
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 500%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Myanmar

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	358	968	-	9738	-	452	-	10456	-	-	21972
Imports	-	-	447	-	-	-	-	-	-	-	447
Exports	-	-44	-	-8064	-	-	-	-	-	-	-8109
Intl. marine bunkers	-	-	-3	-	-	-	-	-	-	-	-3
Intl. aviation bunkers	-	-	-17	-	-	-	-	-	-	-	-17
Stock changes	-	41	-86	-	-	-	-	-	-	-	-45
<b>TPES</b>	<b>358</b>	<b>965</b>	<b>341</b>	<b>1674</b>	-	<b>452</b>	-	<b>10456</b>	-	-	<b>14246</b>
Electricity and CHP plants	-126	-	-8	-374	-	-452	-	-	599	-	-361
Oil refineries	-	-806	759	-	-	-	-	-	-	-	-47
Other transformation*	-	-159	-62	-796	-	-	-	-55	-170	-	-1241
<b>TFC</b>	<b>232</b>	-	<b>1030</b>	<b>505</b>	-	-	-	<b>10400</b>	<b>429</b>	-	<b>12597</b>
<b>INDUSTRY</b>	<b>217</b>	-	<b>139</b>	<b>300</b>	-	-	-	<b>329</b>	<b>159</b>	-	<b>1144</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	212	-	-	-	-	-	-	-	-	-	212
Other/non-specified	5	-	139	300	-	-	-	329	159	-	932
<b>TRANSPORT</b>	-	-	<b>662</b>	<b>81</b>	-	-	-	-	-	-	<b>743</b>
Domestic aviation	-	-	55	-	-	-	-	-	-	-	55
Road	-	-	499	81	-	-	-	-	-	-	580
Other/non-specified	-	-	107	-	-	-	-	-	-	-	107
<b>OTHER</b>	<b>16</b>	-	<b>218</b>	<b>18</b>	-	-	-	<b>10071</b>	<b>270</b>	-	<b>10593</b>
Residential	-	-	145	-	-	-	-	10071	173	-	10390
Comm. and public services	-	-	-	-	-	-	-	-	92	-	92
Agriculture/forestry	-	-	1	-	-	-	-	-	-	-	1
Other/non-specified	16	-	72	18	-	-	-	-	5	-	111
<b>NON-ENERGY USE</b>	-	-	<b>11</b>	<b>106</b>	-	-	-	-	-	-	<b>116</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	473	-	30	1205	-	5256	-	-	-	-	6964
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	409	935	-	10211	-	439	-	10535	-	-	22530
Imports	-	-	239	-	-	-	-	-	-	-	239
Exports	-	-	-	-8879	-	-	-	-	-	-	-8879
Intl. marine bunkers	-	-	-3	-	-	-	-	-	-	-	-3
Intl. aviation bunkers	-	-	-19	-	-	-	-	-	-	-	-19
Stock changes	-	-43	174	-	-	-	-	-	-	-	130
<b>TPES</b>	<b>409</b>	<b>892</b>	<b>390</b>	<b>1332</b>	-	<b>439</b>	-	<b>10535</b>	-	-	<b>13997</b>
Electricity and CHP plants	-179	-	-8	-538	-	-439	-	-	649	-	-515
Oil refineries	-	-890	862	-	-	-	-	-	-	-	-28
Other transformation*	4	-2	-217	-198	-	-	-	-40	-113	-	-567
<b>TFC</b>	<b>234</b>	-	<b>1027</b>	<b>596</b>	-	-	-	<b>10495</b>	<b>535</b>	-	<b>12887</b>
<b>INDUSTRY</b>	<b>223</b>	-	<b>231</b>	<b>302</b>	-	-	-	<b>332</b>	<b>196</b>	-	<b>1284</b>
Iron and steel	-	-	3	-	-	-	-	-	-	-	3
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	223	-	-	-	-	-	-	-	-	-	223
Other/non-specified	-	-	227	302	-	-	-	332	196	-	1057
<b>TRANSPORT</b>	-	-	<b>644</b>	<b>168</b>	-	-	-	-	-	-	<b>812</b>
Domestic aviation	-	-	61	-	-	-	-	-	-	-	61
Road	-	-	471	168	-	-	-	-	-	-	639
Other/non-specified	-	-	113	-	-	-	-	-	-	-	113
<b>OTHER</b>	<b>11</b>	-	<b>152</b>	<b>19</b>	-	-	-	<b>10163</b>	<b>339</b>	-	<b>10685</b>
Residential	-	-	7	-	-	-	-	10163	228	-	10398
Comm. and public services	-	-	-	-	-	-	-	-	111	-	111
Agriculture/forestry	-	-	99	-	-	-	-	-	-	-	99
Other/non-specified	11	-	46	19	-	-	-	-	-	-	76
<b>NON-ENERGY USE</b>	-	-	-	<b>107</b>	-	-	-	-	-	-	<b>107</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	671	-	33	1734	-	5105	-	-	-	-	7543
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Namibia

Figure 1. Energy production

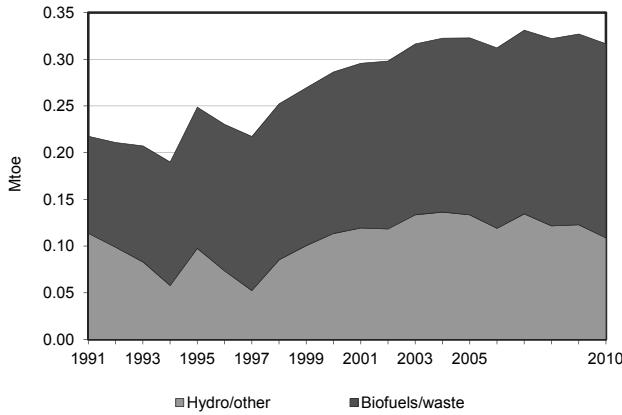


Figure 2. Total primary energy supply\*

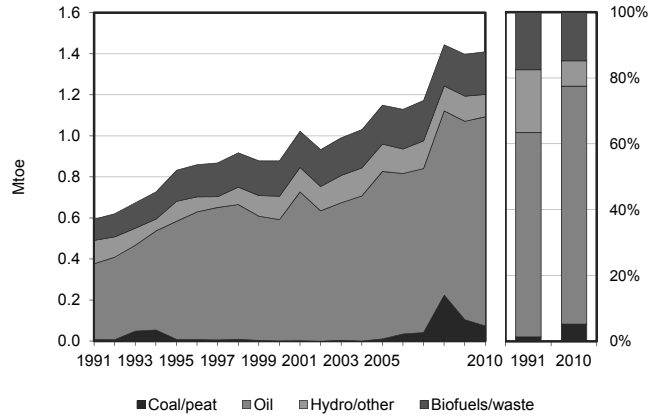


Figure 3. Energy self-sufficiency\*\*

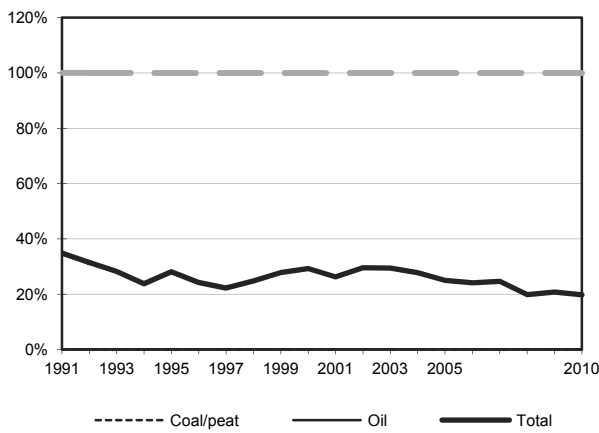


Figure 4. Oil products demand\*\*\*

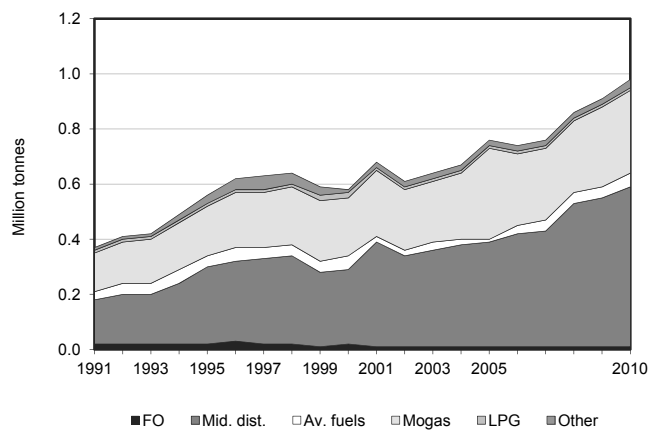


Figure 5. Electricity generation by fuel

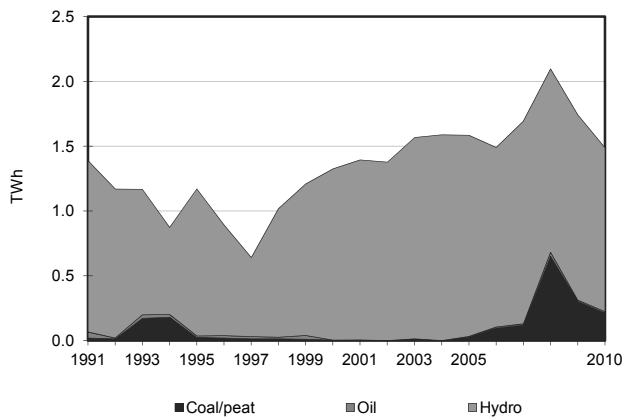
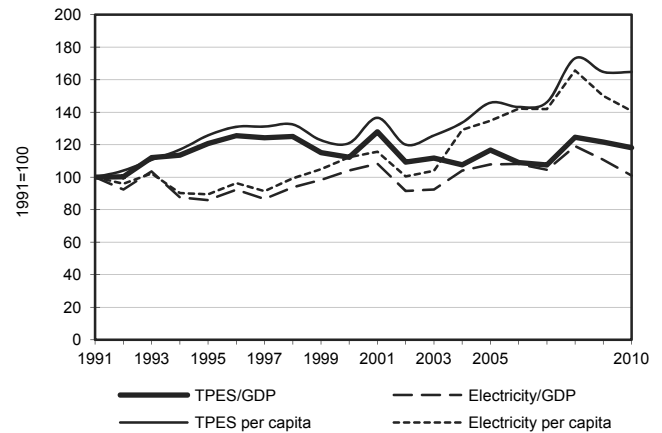


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Namibia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	123	0	204	-	-	327
Imports	105	-	1004	-	-	-	-	-	189	-	1298
Exports	-	-	-	-	-	-	-	-	-12	-	-12
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-37	-	-	-	-	-	-	-	-37
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>105</b>	-	<b>967</b>	-	-	<b>123</b>	<b>0</b>	<b>204</b>	<b>177</b>	-	<b>1575</b>
Electricity and CHP plants	-105	-	-2	-	-	-123	-	-	150	-	-80
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-23	-	-23
<b>TFC</b>	-	-	<b>964</b>	-	-	-	<b>0</b>	<b>204</b>	<b>304</b>	-	<b>1472</b>
<b>INDUSTRY</b>	-	-	<b>82</b>	-	-	-	-	-	<b>55</b>	-	<b>137</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	82	-	-	-	-	-	55	-	137
<b>TRANSPORT</b>	-	-	<b>569</b>	-	-	-	-	-	-	-	<b>569</b>
Domestic aviation	-	-	8	-	-	-	-	-	-	-	8
Road	-	-	536	-	-	-	-	-	-	-	536
Other/non-specified	-	-	24	-	-	-	-	-	-	-	24
<b>OTHER</b>	-	-	<b>305</b>	-	-	-	<b>0</b>	<b>204</b>	<b>249</b>	-	<b>758</b>
Residential	-	-	-	-	-	-	-	204	-	-	204
Comm. and public services	-	-	2	-	-	-	-	-	-	-	2
Agriculture/forestry	-	-	237	-	-	-	-	-	-	-	237
Other/non-specified	-	-	65	-	-	-	0	-	249	-	314
<b>NON-ENERGY USE</b>	-	-	<b>10</b>	-	-	-	-	-	-	-	<b>10</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	304	-	9	-	-	1429	-	-	-	-	1742
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	109	0	208	-	-	317
Imports	74	-	1059	-	-	-	-	-	212	-	1345
Exports	-	-	-	-	-	-	-	-	-18	-	-18
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-40	-	-	-	-	-	-	-	-40
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>74</b>	-	<b>1020</b>	-	-	<b>109</b>	<b>0</b>	<b>208</b>	<b>194</b>	-	<b>1604</b>
Electricity and CHP plants	-74	-	-2	-	-	-109	-	-	128	-	-57
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-	-32	-	-32
<b>TFC</b>	-	-	<b>1018</b>	-	-	-	<b>0</b>	<b>208</b>	<b>290</b>	-	<b>1516</b>
<b>INDUSTRY</b>	-	-	<b>87</b>	-	-	-	-	-	<b>58</b>	-	<b>145</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	87	-	-	-	-	-	58	-	145
<b>TRANSPORT</b>	-	-	<b>595</b>	-	-	-	-	-	-	-	<b>595</b>
Domestic aviation	-	-	8	-	-	-	-	-	-	-	8
Road	-	-	562	-	-	-	-	-	-	-	562
Other/non-specified	-	-	25	-	-	-	-	-	-	-	25
<b>OTHER</b>	-	-	<b>325</b>	-	-	-	<b>0</b>	<b>208</b>	<b>232</b>	-	<b>765</b>
Residential	-	-	-	-	-	-	-	208	-	-	208
Comm. and public services	-	-	2	-	-	-	-	-	-	-	2
Agriculture/forestry	-	-	256	-	-	-	-	-	-	-	256
Other/non-specified	-	-	67	-	-	-	0	-	232	-	300
<b>NON-ENERGY USE</b>	-	-	<b>10</b>	-	-	-	-	-	-	-	<b>10</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	215	-	9	-	-	1264	-	-	-	-	1488
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Nepal

Figure 1. Energy production

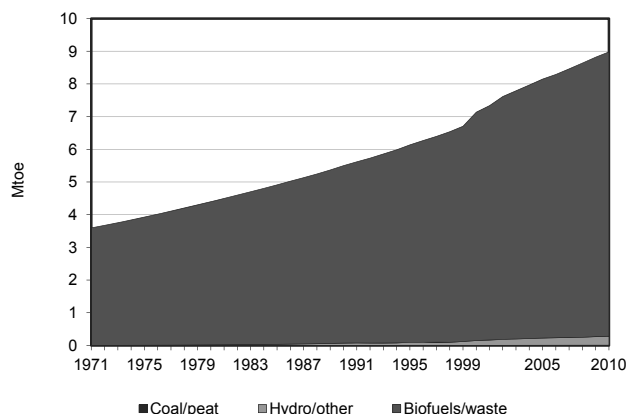


Figure 2. Total primary energy supply\*

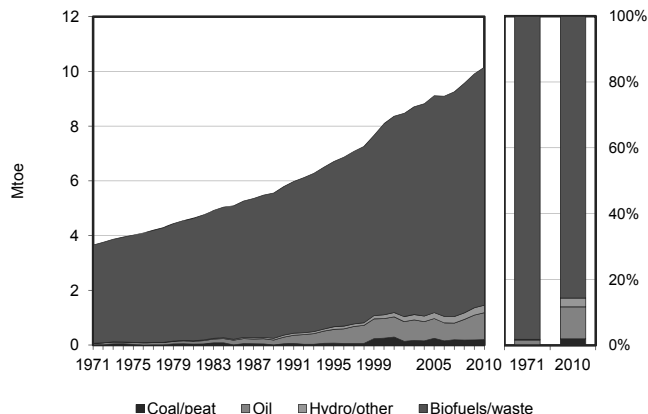


Figure 3. Energy self-sufficiency\*\*

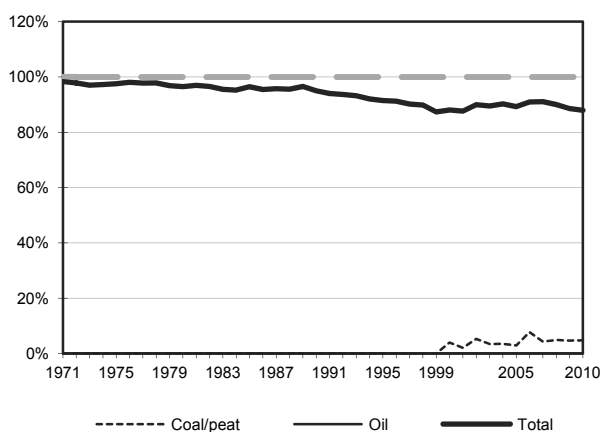


Figure 4. Oil products demand\*\*\*

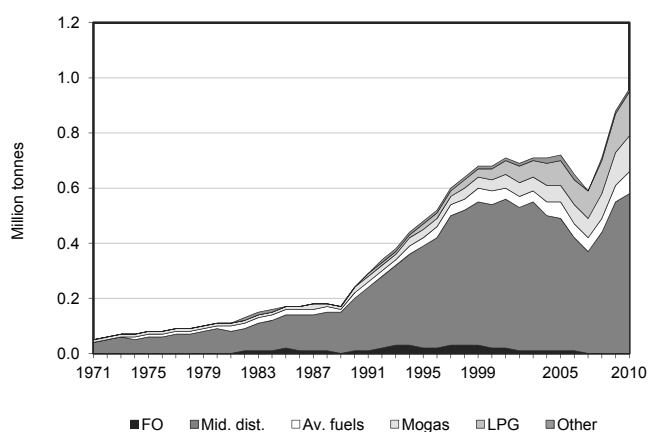


Figure 5. Electricity generation by fuel

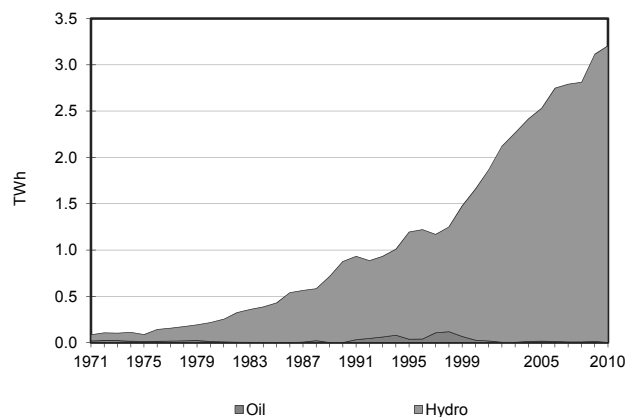
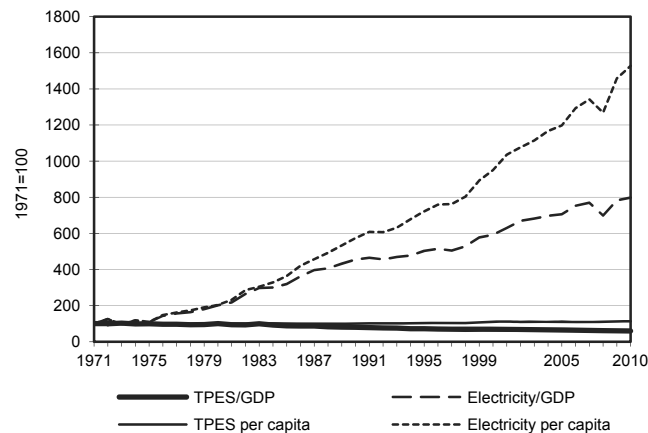


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Nepal

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	9	-	-	-	-	267	-	8546	-	-	8822
Imports	184	-	978	-	-	-	-	-	55	-	1217
Exports	-	-	-	-	-	-	-	-	-6	-	-6
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-71	-	-	-	-	-	-	-	-71
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>193</b>	-	<b>907</b>	-	-	<b>267</b>	-	<b>8546</b>	<b>49</b>	-	<b>9961</b>
Electricity and CHP plants	-	-	-4	-	-	-267	-	-	268	-	-3
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	2	-	-	-	-	7	-96	-	-86
<b>TFC</b>	<b>193</b>	-	<b>905</b>	-	-	-	-	<b>8553</b>	<b>221</b>	-	<b>9872</b>
<b>INDUSTRY</b>	<b>193</b>	-	<b>20</b>	-	-	-	-	<b>52</b>	<b>83</b>	-	<b>348</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	193	-	20	-	-	-	-	52	83	-	348
<b>TRANSPORT</b>	-	-	<b>571</b>	-	-	-	-	-	<b>0</b>	-	<b>571</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	571	-	-	-	-	-	-	-	571
Other/non-specified	-	-	-	-	-	-	-	-	0	-	0
<b>OTHER</b>	<b>1</b>	-	<b>314</b>	-	-	-	-	<b>8501</b>	<b>138</b>	-	<b>8953</b>
Residential	1	-	133	-	-	-	-	8451	99	-	8683
Comm. and public services	-	-	73	-	-	-	-	50	31	-	153
Agriculture/forestry	-	-	109	-	-	-	-	-	5	-	113
Other/non-specified	-	-	-	-	-	-	-	-	3	-	3
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	13	-	-	3102	-	-	-	-	3115
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	10	-	-	-	-	276	-	8699	-	-	8984
Imports	193	-	1072	-	-	-	-	-	60	-	1324
Exports	-	-	-	-	-	-	-	-	-3	-	-3
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-88	-	-	-	-	-	-	-	-88
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>202</b>	-	<b>984</b>	-	-	<b>276</b>	-	<b>8699</b>	<b>57</b>	-	<b>10218</b>
Electricity and CHP plants	-	-	-1	-	-	-276	-	-	276	-	-1
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	7	-97	-	-90
<b>TFC</b>	<b>202</b>	-	<b>983</b>	-	-	-	-	<b>8706</b>	<b>236</b>	-	<b>10128</b>
<b>INDUSTRY</b>	<b>202</b>	-	<b>22</b>	-	-	-	-	<b>53</b>	<b>90</b>	-	<b>367</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	202	-	22	-	-	-	-	53	90	-	367
<b>TRANSPORT</b>	-	-	<b>624</b>	-	-	-	-	-	<b>0</b>	-	<b>625</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	624	-	-	-	-	-	-	-	624
Other/non-specified	-	-	-	-	-	-	-	-	0	-	0
<b>OTHER</b>	<b>1</b>	-	<b>337</b>	-	-	-	-	<b>8653</b>	<b>146</b>	-	<b>9136</b>
Residential	1	-	140	-	-	-	-	8602	104	-	8847
Comm. and public services	-	-	81	-	-	-	-	51	33	-	164
Agriculture/forestry	-	-	116	-	-	-	-	-	5	-	121
Other/non-specified	-	-	-	-	-	-	-	-	4	-	4
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3	-	-	3204	-	-	-	-	3207
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

### Netherlands Antilles

Figure 1. Energy production

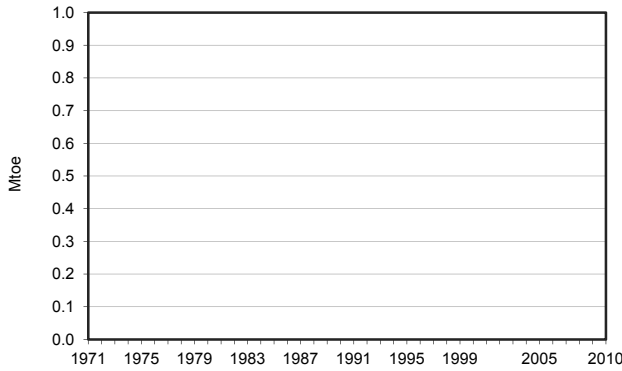


Figure 2. Total primary energy supply\*

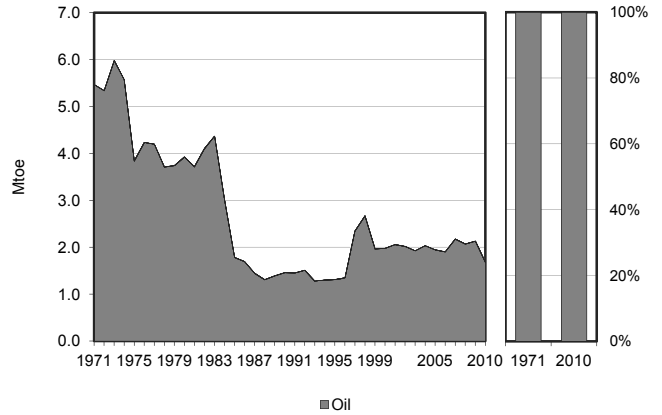


Figure 3. Energy self-sufficiency\*\*

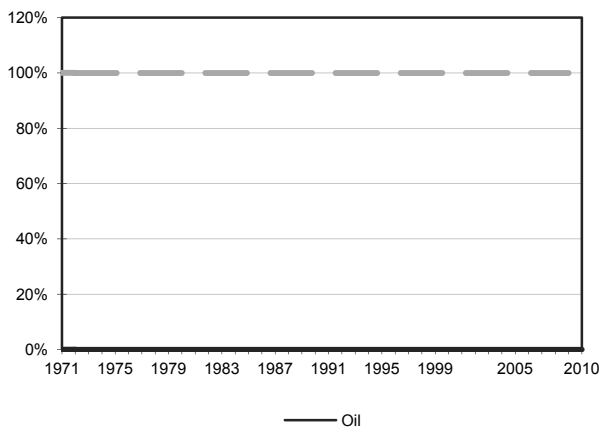


Figure 4. Oil products demand\*\*\*

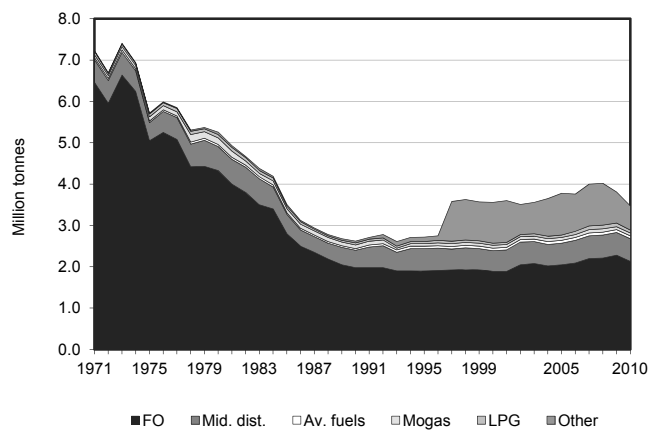


Figure 5. Electricity generation by fuel

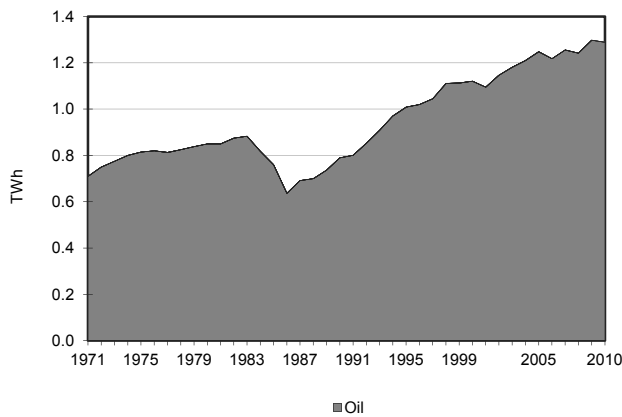
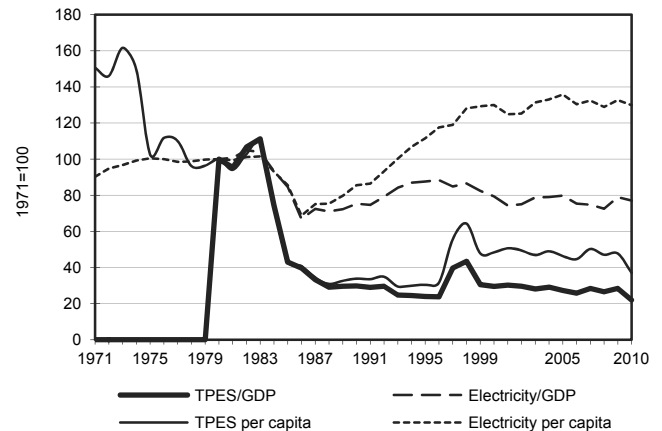


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Netherlands Antilles

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	-	-	-	-
Imports	-	10149	2846	-	-	-	-	-	-	-	12995
Exports	-	-	-9018	-	-	-	-	-	-	-	-9018
Intl. marine bunkers	-	-	-1774	-	-	-	-	-	-	-	-1774
Intl. aviation bunkers	-	-	-72	-	-	-	-	-	-	-	-72
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>10149</b>	<b>-8018</b>	-	-	-	-	-	-	-	<b>2131</b>
Electricity and CHP plants	-	-	-286	-	-	-	-	-	112	-	-175
Oil refineries	-	-10149	9944	-	-	-	-	-	-	-	-205
Other transformation*	-	-	-921	-	-	-	-	-	-28	-	-949
<b>TFC</b>	-	-	<b>719</b>	-	-	-	-	-	<b>83</b>	-	<b>803</b>
<b>INDUSTRY</b>	-	-	<b>139</b>	-	-	-	-	-	<b>46</b>	-	<b>185</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	139	-	-	-	-	-	46	-	185
<b>TRANSPORT</b>	-	-	<b>399</b>	-	-	-	-	-	-	-	<b>399</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	399	-	-	-	-	-	-	-	399
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>67</b>	-	-	-	-	-	<b>37</b>	-	<b>104</b>
Residential	-	-	67	-	-	-	-	-	-	-	67
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	37	-	37
<b>NON-ENERGY USE</b>	-	-	<b>115</b>	-	-	-	-	-	-	-	<b>115</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1298	-	-	-	-	-	-	-	1298
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	-	-	-	-
Imports	-	4559	2886	-	-	-	-	-	-	-	7445
Exports	-	-	-3886	-	-	-	-	-	-	-	-3886
Intl. marine bunkers	-	-	-1805	-	-	-	-	-	-	-	-1805
Intl. aviation bunkers	-	-	-74	-	-	-	-	-	-	-	-74
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>4559</b>	<b>-2878</b>	-	-	-	-	-	-	-	<b>1681</b>
Electricity and CHP plants	-	-	-284	-	-	-	-	-	111	-	-173
Oil refineries	-	-4559	4412	-	-	-	-	-	-	-	-147
Other transformation*	-	-	-518	-	-	-	-	-	-28	-	-546
<b>TFC</b>	-	-	<b>732</b>	-	-	-	-	-	<b>83</b>	-	<b>814</b>
<b>INDUSTRY</b>	-	-	<b>142</b>	-	-	-	-	-	<b>45</b>	-	<b>188</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	142	-	-	-	-	-	45	-	188
<b>TRANSPORT</b>	-	-	<b>405</b>	-	-	-	-	-	-	-	<b>405</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	405	-	-	-	-	-	-	-	405
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>68</b>	-	-	-	-	-	<b>37</b>	-	<b>105</b>
Residential	-	-	68	-	-	-	-	-	-	-	68
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	37	-	37
<b>NON-ENERGY USE</b>	-	-	<b>117</b>	-	-	-	-	-	-	-	<b>117</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1289	-	-	-	-	-	-	-	1289
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Nicaragua

Figure 1. Energy production

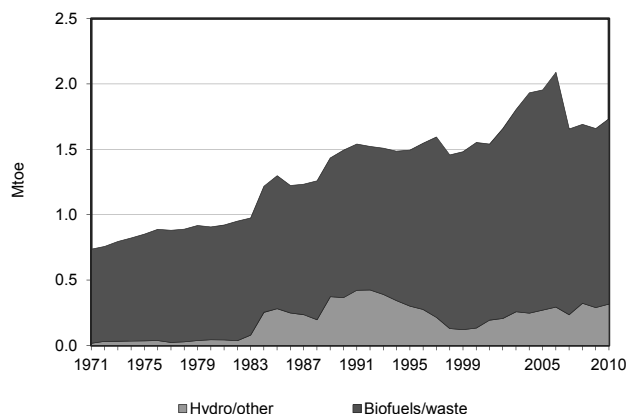


Figure 2. Total primary energy supply\*

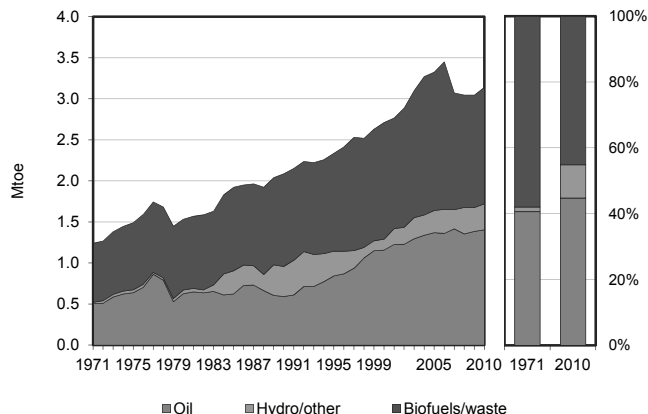


Figure 3. Energy self-sufficiency\*\*

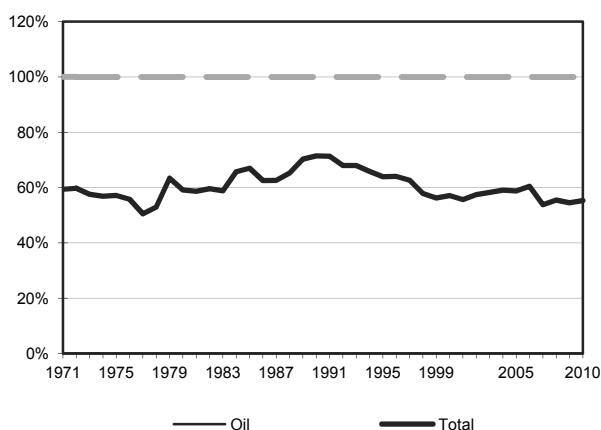


Figure 4. Oil products demand\*\*\*

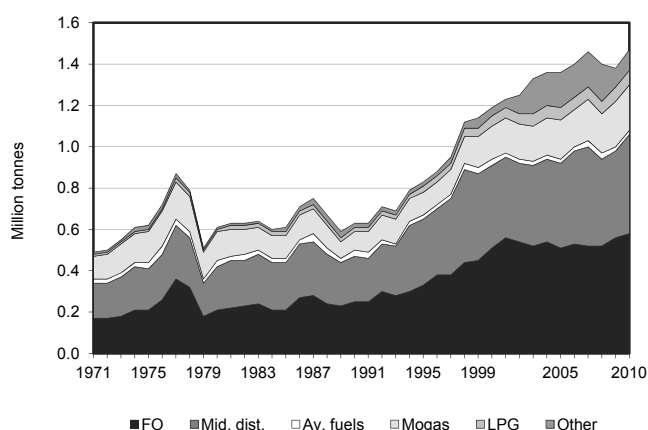


Figure 5. Electricity generation by fuel

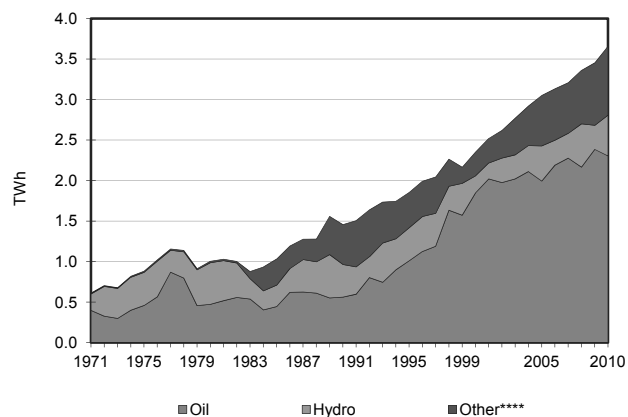
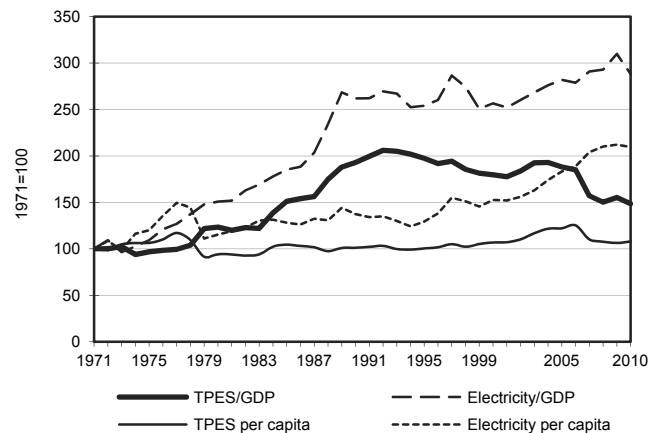


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Nicaragua

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	26	265	1369	-	-	1659
Imports	-	816	618	-	-	-	-	-	0	-	1434
Exports	-	-	-23	-	-	-	-	-	-0	-	-23
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-20	-	-	-	-	-	-	-	-20
Stock changes	-	-12	7	-	-	-	-	-	-	-	-5
<b>TPES</b>	-	<b>804</b>	<b>582</b>	-	-	<b>26</b>	<b>265</b>	<b>1369</b>	-	-	<b>3046</b>
Electricity and CHP plants	-	-	-545	-	-	-26	-265	-262	297	-	-801
Oil refineries	-	-804	807	-	-	-	-	-	-	-	3
Other transformation*	-	-	-51	-	-	-	-	-14	-80	-	-146
<b>TFC</b>	-	-	<b>792</b>	-	-	-	-	<b>1092</b>	<b>217</b>	-	<b>2101</b>
<b>INDUSTRY</b>	-	-	<b>139</b>	-	-	-	-	<b>62</b>	<b>68</b>	-	<b>269</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	139	-	-	-	-	62	68	-	269
<b>TRANSPORT</b>	-	-	<b>511</b>	-	-	-	-	-	-	-	<b>511</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	511	-	-	-	-	-	-	-	511
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>118</b>	-	-	-	-	<b>1031</b>	<b>149</b>	-	<b>1297</b>
Residential	-	-	32	-	-	-	-	970	67	-	1069
Comm. and public services	-	-	85	-	-	-	-	39	74	-	198
Agriculture/forestry	-	-	1	-	-	-	-	22	7	-	30
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>24</b>	-	-	-	-	-	-	-	<b>24</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2386	-	-	297	407	363	-	-	3453
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	43	274	1417	-	-	1734
Imports	-	763	590	-	-	-	-	-	1	-	1354
Exports	-	-	-24	-	-	-	-	-	-4	-	-27
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-18	-	-	-	-	-	-	-	-18
Stock changes	-	-	94	-	-	-	-	-	-	-	94
<b>TPES</b>	-	<b>763</b>	<b>642</b>	-	-	<b>43</b>	<b>274</b>	<b>1417</b>	<b>-3</b>	-	<b>3137</b>
Electricity and CHP plants	-	-	-526	-	-	-43	-274	-293	315	-	-820
Oil refineries	-	-763	772	-	-	-	-	-	-	-	9
Other transformation*	-	-	20	-	-	-	-	-20	-99	-	-99
<b>TFC</b>	-	-	<b>909</b>	-	-	-	-	<b>1104</b>	<b>213</b>	-	<b>2226</b>
<b>INDUSTRY</b>	-	-	<b>172</b>	-	-	-	-	<b>70</b>	<b>58</b>	-	<b>300</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	172	-	-	-	-	70	58	-	300
<b>TRANSPORT</b>	-	-	<b>573</b>	-	-	-	-	-	-	-	<b>573</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	547	-	-	-	-	-	-	-	547
Other/non-specified	-	-	26	-	-	-	-	-	-	-	26
<b>OTHER</b>	-	-	<b>138</b>	-	-	-	-	<b>1034</b>	<b>155</b>	-	<b>1326</b>
Residential	-	-	33	-	-	-	-	976	73	-	1082
Comm. and public services	-	-	94	-	-	-	-	38	76	-	209
Agriculture/forestry	-	-	1	-	-	-	-	20	6	-	27
Other/non-specified	-	-	9	-	-	-	-	-	-	-	9
<b>NON-ENERGY USE</b>	-	-	<b>27</b>	-	-	-	-	-	-	-	<b>27</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2305	-	-	504	465	385	-	-	3659
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Nigeria

Figure 1. Energy production

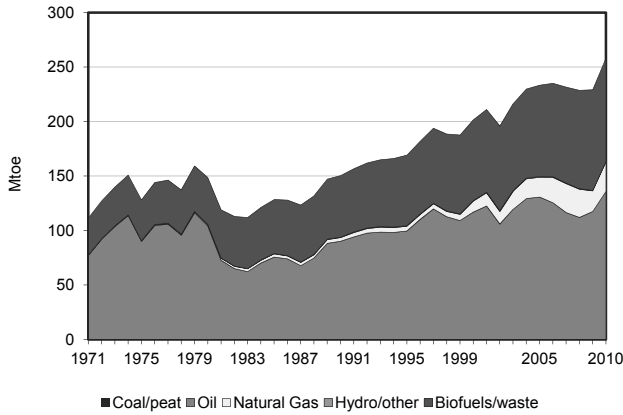


Figure 2. Total primary energy supply\*

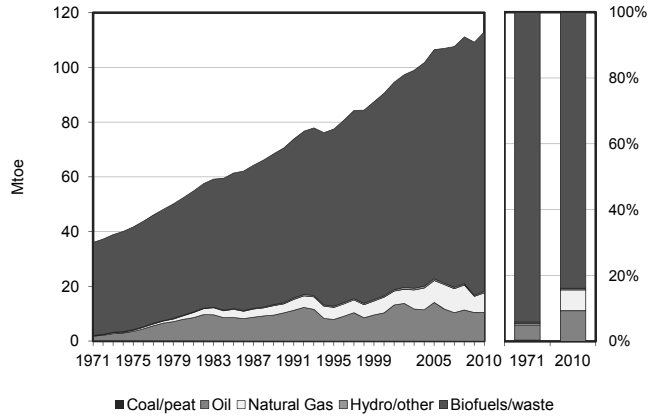


Figure 3. Energy self-sufficiency\*\*

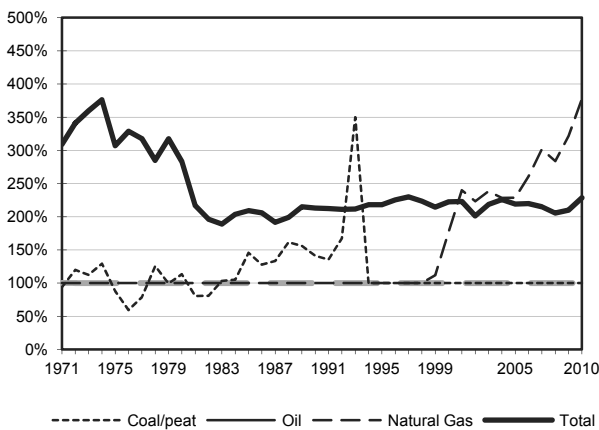


Figure 4. Oil products demand\*\*\*

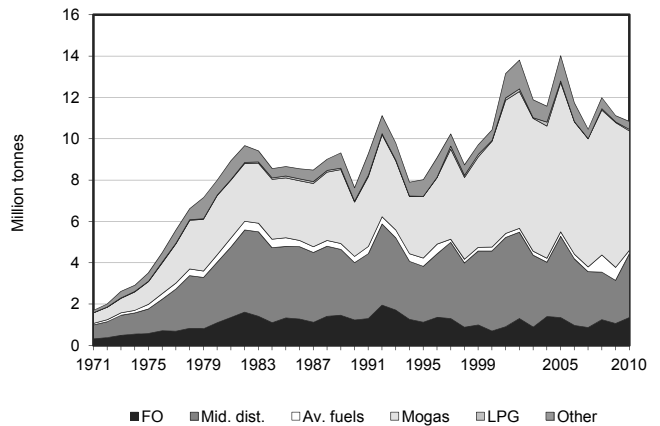


Figure 5. Electricity generation by fuel

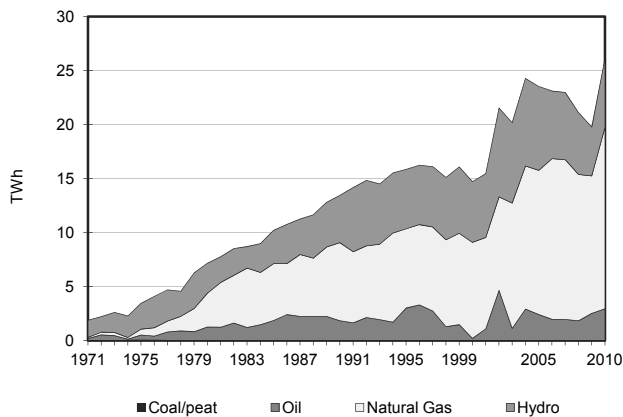
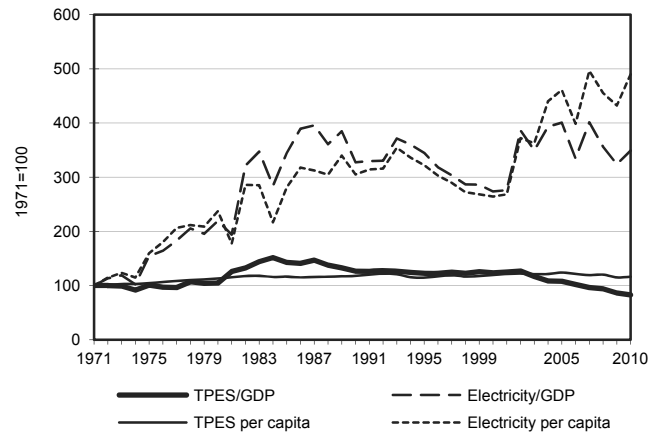


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 500%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Nigeria

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	5	117470	-	18950	-	389	-	92476	-	-	229291
Imports	-	-	7677	-	-	-	-	-	-	-	7677
Exports	-	-115951	-678	-13058	-	-	-	-	-	-	-129687
Intl. marine bunkers	-	-	-629	-	-	-	-	-	-	-	-629
Intl. aviation bunkers	-	-	-673	-	-	-	-	-	-	-	-673
Stock changes	-	1010	2251	-	-	-	-	-	-	-	3260
<b>TPES</b>	<b>5</b>	<b>2528</b>	<b>7948</b>	<b>5893</b>	-	<b>389</b>	-	<b>92476</b>	-	-	<b>109239</b>
Electricity and CHP plants	-	-	-586	-2732	-	-389	-	-	1701	-	-2007
Oil refineries	-	-2592	2495	-	-	-	-	-	-	-	-97
Other transformation*	-	64	-392	-2169	-	-	-	-2446	-148	-	-5092
<b>TFC</b>	<b>5</b>	-	<b>9464</b>	<b>992</b>	-	-	-	<b>90030</b>	<b>1552</b>	-	<b>102043</b>
<b>INDUSTRY</b>	<b>5</b>	-	<b>193</b>	<b>992</b>	-	-	-	<b>8927</b>	<b>279</b>	-	<b>10395</b>
Iron and steel	-	-	-	75	-	-	-	-	-	-	75
Chemical and petrochemical	-	-	-	401	-	-	-	-	-	-	401
Non-metallic minerals	5	-	-	-	-	-	-	-	-	-	5
Other/non-specified	-	-	193	516	-	-	-	8927	279	-	9915
<b>TRANSPORT</b>	-	-	<b>8152</b>	-	-	-	-	-	-	-	<b>8152</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	8126	-	-	-	-	-	-	-	8126
Other/non-specified	-	-	27	-	-	-	-	-	-	-	27
<b>OTHER</b>	-	-	<b>990</b>	-	-	-	-	<b>81103</b>	<b>1273</b>	-	<b>83366</b>
Residential	-	-	620	-	-	-	-	81103	874	-	82597
Comm. and public services	-	-	-	-	-	-	-	-	399	-	399
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	370	-	-	-	-	-	-	-	370
<b>NON-ENERGY USE</b>	-	-	<b>129</b>	-	-	-	-	-	-	-	<b>129</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2533	12715	-	4529	-	-	-	-	19777
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

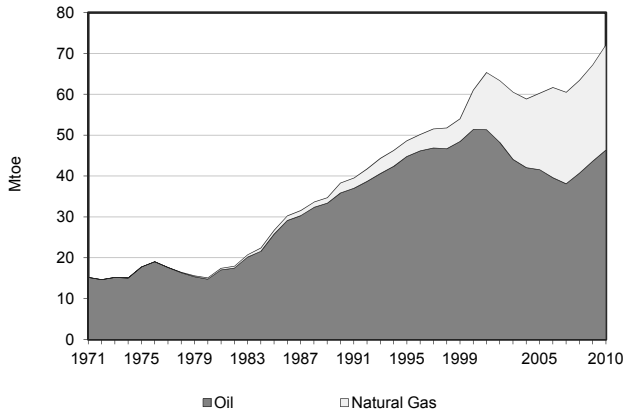
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	5	135970	-	27004	-	548	-	94832	-	-	258359
Imports	-	-	7067	-	-	-	-	-	-	-	7067
Exports	-	-131704	-905	-19844	-	-	-	-	-	-	-152454
Intl. marine bunkers	-	-	-678	-	-	-	-	-	-	-	-678
Intl. aviation bunkers	-	-	-174	-	-	-	-	-	-	-	-174
Stock changes	-	680	252	-	-	-	-	-	-	-	932
<b>TPES</b>	<b>5</b>	<b>4946</b>	<b>5563</b>	<b>7160</b>	-	<b>548</b>	-	<b>94832</b>	-	-	<b>113053</b>
Electricity and CHP plants	-	-	-684	-3609	-	-548	-	-	2246	-	-2594
Oil refineries	-	-4962	4937	-	-	-	-	-	-	-	-24
Other transformation*	-	16	-641	-2346	-	-	-	-2509	-451	-	-5931
<b>TFC</b>	<b>5</b>	-	<b>9175</b>	<b>1205</b>	-	-	-	<b>92323</b>	<b>1795</b>	-	<b>104504</b>
<b>INDUSTRY</b>	<b>5</b>	-	<b>262</b>	<b>1205</b>	-	-	-	<b>9154</b>	<b>298</b>	-	<b>10924</b>
Iron and steel	-	-	-	91	-	-	-	-	-	-	91
Chemical and petrochemical	-	-	-	488	-	-	-	-	-	-	488
Non-metallic minerals	5	-	-	-	-	-	-	-	-	-	5
Other/non-specified	-	-	262	627	-	-	-	9154	298	-	10341
<b>TRANSPORT</b>	-	-	<b>6575</b>	-	-	-	-	-	-	-	<b>6575</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	5387	-	-	-	-	-	-	-	5387
Other/non-specified	-	-	1187	-	-	-	-	-	-	-	1187
<b>OTHER</b>	-	-	<b>2274</b>	-	-	-	-	<b>83169</b>	<b>1497</b>	-	<b>86940</b>
Residential	-	-	583	-	-	-	-	83169	1029	-	84780
Comm. and public services	-	-	-	-	-	-	-	-	469	-	469
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	1691	-	-	-	-	-	-	-	1691
<b>NON-ENERGY USE</b>	-	-	<b>65</b>	-	-	-	-	-	-	-	<b>65</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2953	16794	-	6374	-	-	-	-	26121
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

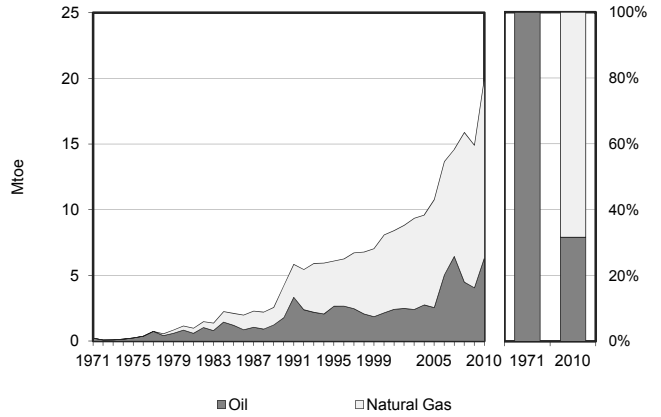
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Oman

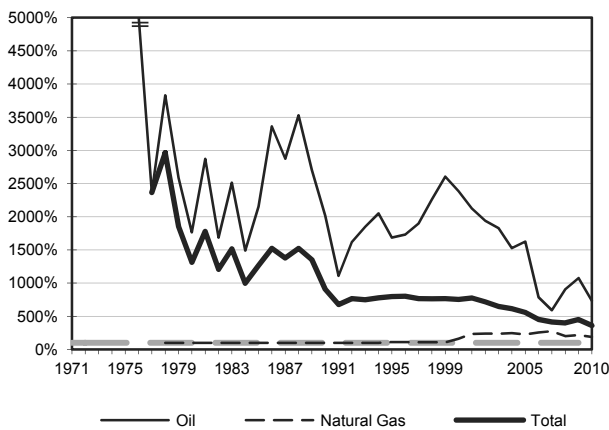
**Figure 1. Energy production**



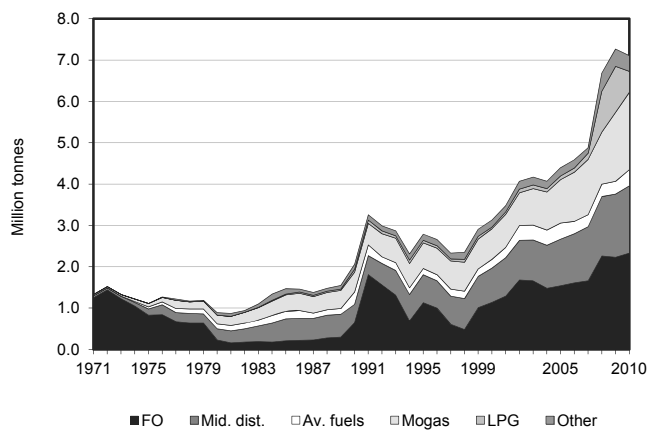
**Figure 2. Total primary energy supply\***



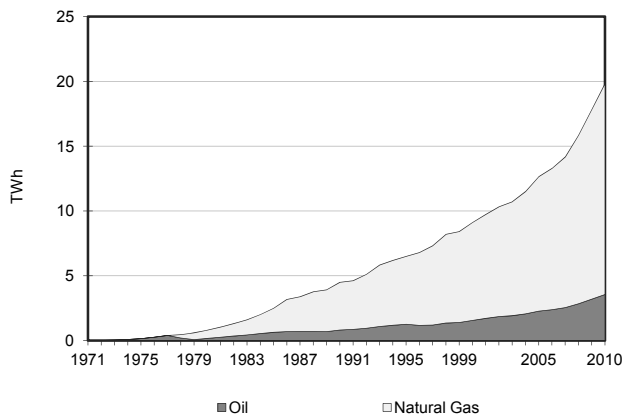
**Figure 3. Energy self-sufficiency\*\***



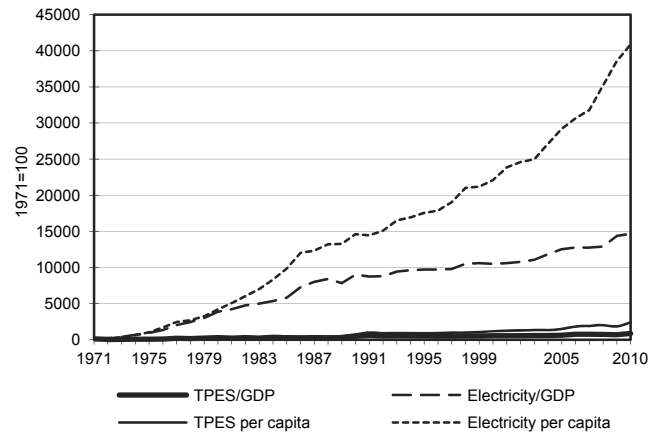
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 5000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Oman

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	43663	-	23535	-	-	-	-	-	-	67198
Imports	-	-	37	1335	-	-	-	-	-	-	1372
Exports	-	-35779	-3519	-14015	-	-	-	-	-	-	-53313
Intl. marine bunkers	-	-	-117	-	-	-	-	-	-	-	-117
Intl. aviation bunkers	-	-	-329	-	-	-	-	-	-	-	-329
Stock changes	-	-337	439	-	-	-	-	-	-	-	103
<b>TPES</b>	-	<b>7547</b>	<b>-3489</b>	<b>10855</b>	-	-	-	-	-	-	<b>14913</b>
Electricity and CHP plants	-	-	-1102	-4977	-	-	-	-	1533	-	-4547
Oil refineries	-	-10470	10398	-	-	-	-	-	-	-	-73
Other transformation*	-	2923	-1202	-4158	-	-	-	-	-287	-	-2724
<b>TFC</b>	-	-	<b>4604</b>	<b>1720</b>	-	-	-	-	<b>1245</b>	-	<b>7570</b>
<b>INDUSTRY</b>	-	-	<b>1639</b>	<b>340</b>	-	-	-	-	<b>101</b>	-	<b>2079</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	62	-	-	-	-	-	-	62
Other/non-specified	-	-	1639	278	-	-	-	-	101	-	2017
<b>TRANSPORT</b>	-	-	<b>1954</b>	-	-	-	-	-	-	-	<b>1954</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1954	-	-	-	-	-	-	-	1954
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>906</b>	<b>156</b>	-	-	-	-	<b>1144</b>	-	<b>2206</b>
Residential	-	-	594	-	-	-	-	-	681	-	1275
Comm. and public services	-	-	-	-	-	-	-	-	427	-	427
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	311	156	-	-	-	-	36	-	504
<b>NON-ENERGY USE</b>	-	-	<b>106</b>	<b>1225</b>	-	-	-	-	-	-	<b>1331</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3208	14615	-	-	-	-	-	-	17823
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	46403	-	25736	-	-	-	-	-	-	72140
Imports	-	-	125	1690	-	-	-	-	-	-	1815
Exports	-	-39885	-1258	-13757	-	-	-	-	-	-	-54900
Intl. marine bunkers	-	-	-179	-	-	-	-	-	-	-	-179
Intl. aviation bunkers	-	-	-420	-	-	-	-	-	-	-	-420
Stock changes	-	1329	214	-	-	-	-	-	-	-	1543
<b>TPES</b>	-	<b>7848</b>	<b>-1518</b>	<b>13669</b>	-	-	-	-	-	-	<b>19999</b>
Electricity and CHP plants	-	-	-1179	-5182	-	-	-	-	1704	-	-4656
Oil refineries	-	-8602	8231	-	-	-	-	-	-	-	-371
Other transformation*	-	754	-1017	-6664	-	-	-	-	-317	-	-7245
<b>TFC</b>	-	-	<b>4516</b>	<b>1824</b>	-	-	-	-	<b>1387</b>	-	<b>7727</b>
<b>INDUSTRY</b>	-	-	<b>1735</b>	<b>357</b>	-	-	-	-	<b>132</b>	-	<b>2224</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	65	-	-	-	-	-	-	65
Other/non-specified	-	-	1735	292	-	-	-	-	132	-	2159
<b>TRANSPORT</b>	-	-	<b>2174</b>	-	-	-	-	-	-	-	<b>2174</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2174	-	-	-	-	-	-	-	2174
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>511</b>	<b>164</b>	-	-	-	-	<b>1255</b>	-	<b>1929</b>
Residential	-	-	180	-	-	-	-	-	722	-	902
Comm. and public services	-	-	-	-	-	-	-	-	492	-	492
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	331	164	-	-	-	-	40	-	535
<b>NON-ENERGY USE</b>	-	-	<b>97</b>	<b>1304</b>	-	-	-	-	-	-	<b>1401</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3567	16252	-	-	-	-	-	-	19819
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Pakistan

Figure 1. Energy production

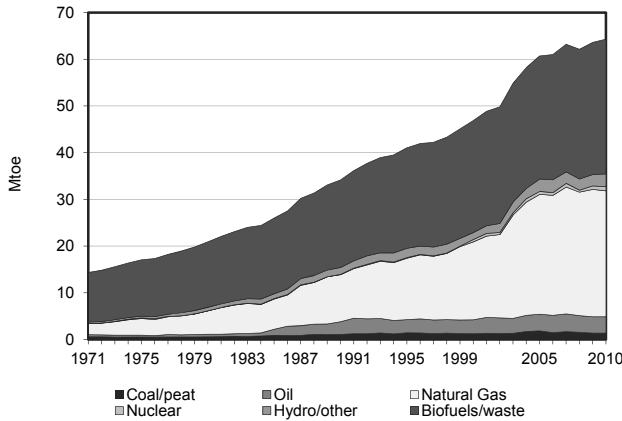


Figure 2. Total primary energy supply\*

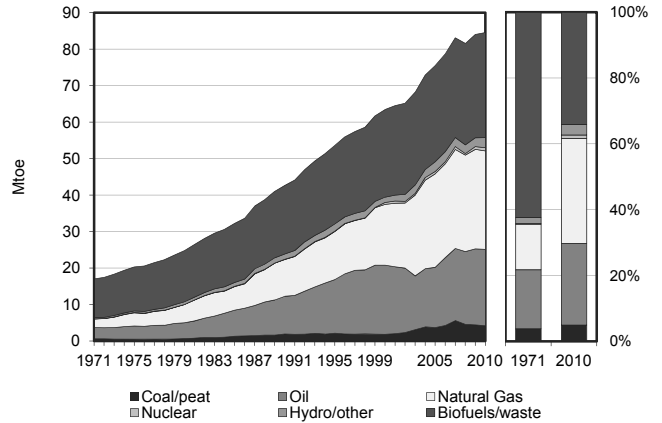


Figure 3. Energy self-sufficiency\*\*

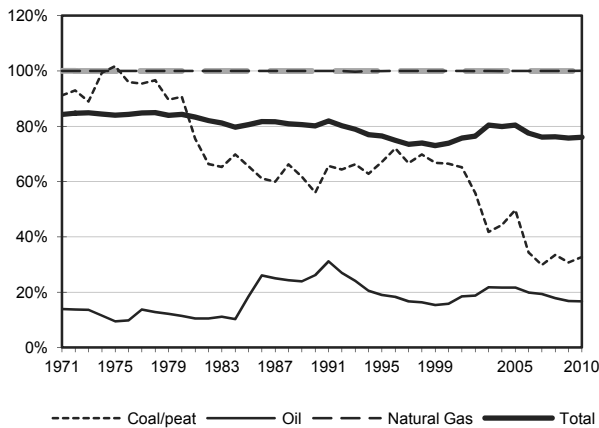


Figure 4. Oil products demand\*\*\*

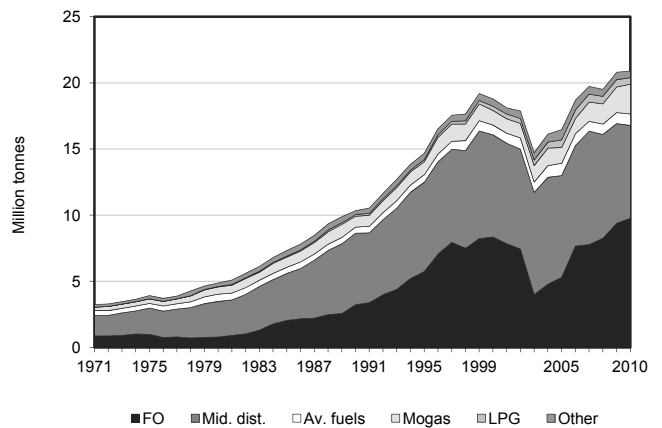


Figure 5. Electricity generation by fuel

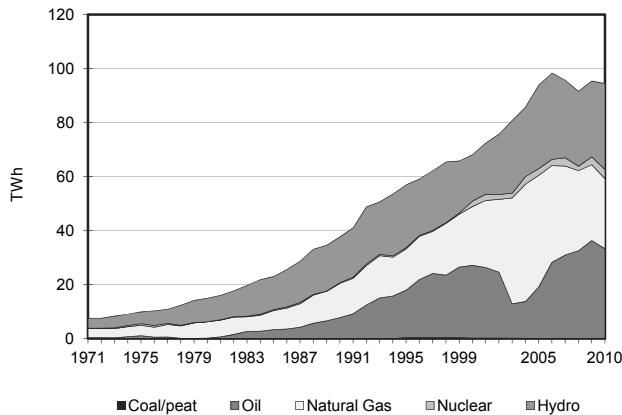
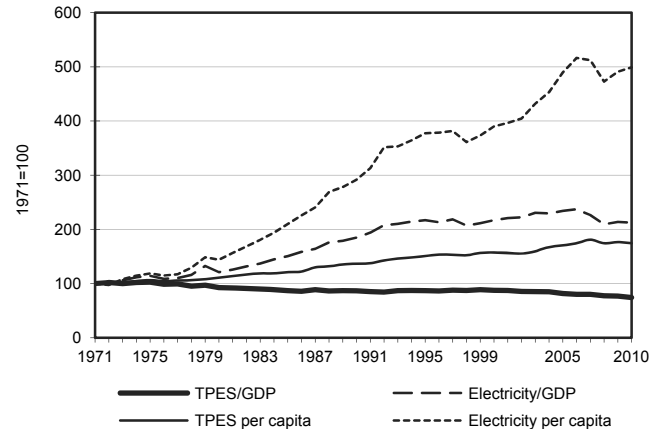


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Pakistan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1366	3499	-	27293	754	2416	-	28317	-	-	63645
Imports	3075	7506	10785	-	-	-	-	-	-	-	21365
Exports	-	-	-1525	-	-	-	-	-	-	-	-1525
Intl. marine bunkers	-	-	-229	-	-	-	-	-	-	-	-229
Intl. aviation bunkers	-	-	-857	-	-	-	-	-	-	-	-857
Stock changes	-	-	1670	4	-	-	-	-	-	-	1673
<b>TPES</b>	<b>4440</b>	<b>11005</b>	<b>9843</b>	<b>27297</b>	<b>754</b>	<b>2416</b>	<b>-</b>	<b>28317</b>	<b>-</b>	<b>-</b>	<b>84072</b>
Transfers	-	-305	323	-	-	-	-	-	-	-	18
Statistical differences	-139	-202	-	-11	-	-	-	-	-	-	-353
Electricity plants	-71	-	-8623	-6751	-754	-2416	-	-	8204	-	-10410
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-99	-	-	-	-	-	-	-	-	-	-99
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-80	-	-	-	-	-	-	-	-	-	-80
Oil refineries	-	-10491	9921	-	-	-	-	-	-	-	-570
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-567	-	-	-567
Energy industry own use	-	-	-270	-276	-	-	-	-	-194	-	-740
Losses	-	-	-	-836	-	-	-	-	-1616	-	-2453
<b>TFC</b>	<b>4051</b>	<b>7</b>	<b>11194</b>	<b>19423</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>27750</b>	<b>6394</b>	<b>-</b>	<b>68819</b>
<b>INDUSTRY</b>	<b>4051</b>	<b>-</b>	<b>1013</b>	<b>8274</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3080</b>	<b>1705</b>	<b>-</b>	<b>18122</b>
Iron and steel	104	-	-	290	-	-	-	-	-	-	394
Chemical and petrochemical	-	-	476	817	-	-	-	-	-	-	1293
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	3947	-	319	43	-	-	-	-	-	-	4309
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	218	7124	-	-	-	3080	1705	-	12126
<b>TRANSPORT</b>	<b>-</b>	<b>5</b>	<b>8878</b>	<b>2201</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>11083</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	8612	2201	-	-	-	-	-	-	10812
Rail	-	-	266	-	-	-	-	-	0	-	266
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	5	-	-	-	-	-	-	-	-	5
<b>OTHER</b>	<b>-</b>	<b>2</b>	<b>897</b>	<b>5698</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24670</b>	<b>4689</b>	<b>-</b>	<b>35956</b>
Residential	-	-	436	4877	-	-	-	24670	2947	-	32930
Comm. and publ. services	-	-	352	821	-	-	-	-	908	-	2081
Agriculture/forestry	-	-	61	-	-	-	-	-	833	-	894
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	2	48	-	-	-	-	-	-	-	50
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>407</b>	<b>3250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3657</b>
in industry/transf./energy	-	-	407	3250	-	-	-	-	-	-	3657
of which: feedstocks	-	-	-	3250	-	-	-	-	-	-	3250
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>116</b>	<b>-</b>	<b>36218</b>	<b>28079</b>	<b>2894</b>	<b>28093</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>95400</b>
Electricity plants	116	-	36218	28079	2894	28093	-	-	-	-	95400
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Pakistan

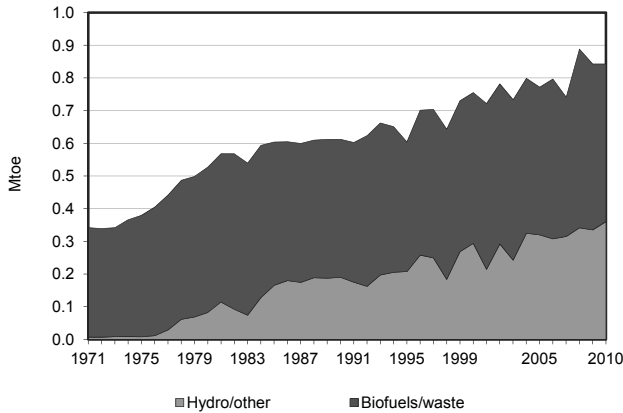
2010

Thousand tonnes of oil equivalent

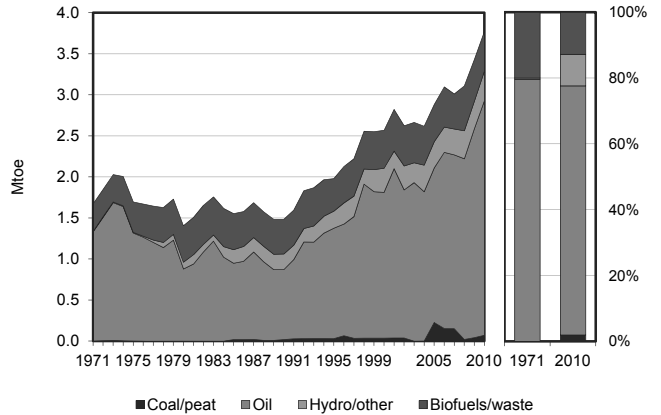
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1369	3498	-	26978	891	2736	-	28832	-	-	64303
Imports	2816	7386	11754	-	-	-	-	-	-	-	21956
Exports	-	-	-1658	-	-	-	-	-	-	-	-1658
Intl. marine bunkers	-	-	-174	-	-	-	-	-	-	-	-174
Intl. aviation bunkers	-	-	-888	-	-	-	-	-	-	-	-888
Stock changes	-	-	1073	-16	-	-	-	-	-	-	1056
<b>TPES</b>	<b>4185</b>	<b>10883</b>	<b>10105</b>	<b>26962</b>	<b>891</b>	<b>2736</b>	<b>-</b>	<b>28832</b>	<b>-</b>	<b>-</b>	<b>84595</b>
Transfers	-	-259	275	-	-	-	-	-	-	-	15
Statistical differences	-94	-105	-	48	-	-	-	-0	-	-	-151
Electricity plants	-54	-	-7951	-6169	-891	-2736	-	-	8123	-	-9678
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-99	-	-	-	-	-	-	-	-	-	-99
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-80	-	-	-	-	-	-	-	-	-	-80
Oil refineries	-	-10512	9804	-	-	-	-	-	-	-	-708
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-577	-	-	-577
Energy industry own use	-	-	-274	-230	-	-	-	-	-187	-	-691
Losses	-	-	-	-1487	-	-	-	-	-1306	-	-2793
<b>TFC</b>	<b>3858</b>	<b>7</b>	<b>11959</b>	<b>19124</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28255</b>	<b>6631</b>	<b>-</b>	<b>69834</b>
<b>INDUSTRY</b>	<b>3858</b>	<b>-</b>	<b>1386</b>	<b>7455</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3136</b>	<b>1824</b>	<b>-</b>	<b>17659</b>
Iron and steel	104	-	-	266	-	-	-	-	-	-	369
Chemical and petrochemical	-	-	423	941	-	-	-	-	-	-	1364
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	3754	-	601	31	-	-	-	-	-	-	4386
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	362	6218	-	-	-	3136	1824	-	11539
<b>TRANSPORT</b>	<b>-</b>	<b>5</b>	<b>8876</b>	<b>2513</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>11394</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	8540	2513	-	-	-	-	-	-	11053
Rail	-	-	249	-	-	-	-	-	0	-	249
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	5	87	-	-	-	-	-	-	-	92
<b>OTHER</b>	<b>-</b>	<b>2</b>	<b>1379</b>	<b>5973</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25119</b>	<b>4807</b>	<b>-</b>	<b>37280</b>
Residential	-	-	369	5162	-	-	-	25119	3086	-	33737
Comm. and publ. services	-	-	913	811	-	-	-	-	949	-	2672
Agriculture/forestry	-	-	43	-	-	-	-	-	772	-	815
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	2	54	-	-	-	-	-	-	-	57
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>318</b>	<b>3183</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3501</b>
in industry/transf./energy	-	-	318	3183	-	-	-	-	-	-	3501
of which: feedstocks	-	-	-	3183	-	-	-	-	-	-	3183
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>88</b>	<b>-</b>	<b>33255</b>	<b>25879</b>	<b>3420</b>	<b>31811</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>94453</b>
Electricity plants	88	-	33255	25879	3420	31811	-	-	-	-	94453
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Panama

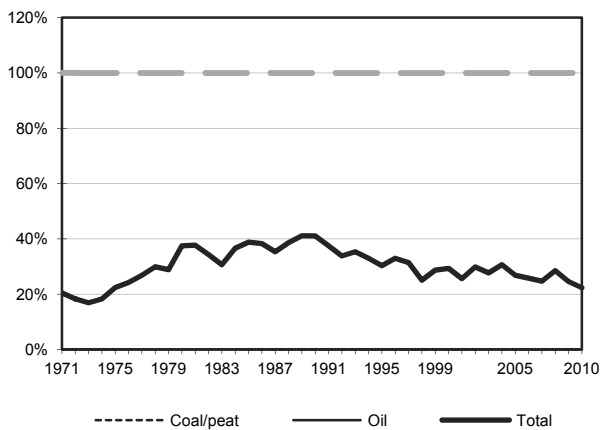
**Figure 1. Energy production**



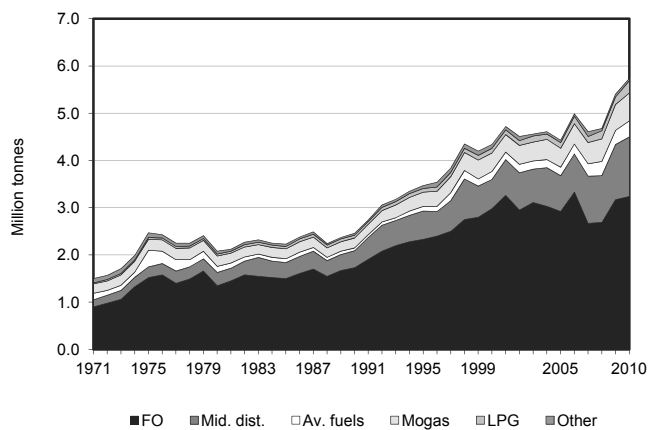
**Figure 2. Total primary energy supply\***



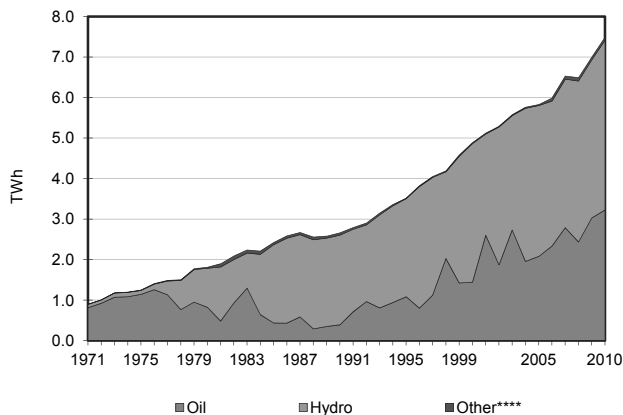
**Figure 3. Energy self-sufficiency\*\***



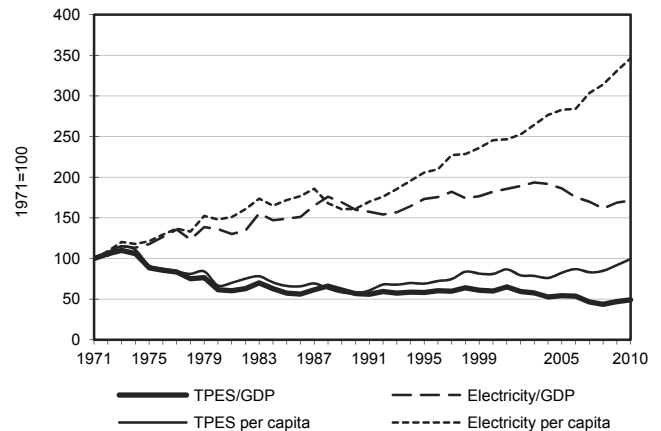
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Panama

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	335	-	507	-	-	843
Imports	42	-	5166	-	-	-	-	-	6	-	5214
Exports	-	-	-	-	-	-	-	-	-8	-	-8
Intl. marine bunkers	-	-	-2564	-	-	-	-	-	-	-	-2564
Intl. aviation bunkers	-	-	-319	-	-	-	-	-	-	-	-319
Stock changes	-	-	264	-	-	-	-	-	-	-	264
<b>TPES</b>	<b>42</b>	<b>-</b>	<b>2547</b>	<b>-</b>	<b>-</b>	<b>335</b>	<b>-</b>	<b>507</b>	<b>-3</b>	<b>-</b>	<b>3430</b>
Electricity and CHP plants	-	-	-660	-	-	-335	-	-48	602	-	-441
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-37	-	-	-	-	-7	-100	-	-144
<b>TFC</b>	<b>42</b>	<b>-</b>	<b>1851</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>453</b>	<b>499</b>	<b>-</b>	<b>2845</b>
<b>INDUSTRY</b>	<b>42</b>	<b>-</b>	<b>532</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>79</b>	<b>49</b>	<b>-</b>	<b>702</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	42	-	532	-	-	-	-	79	49	-	702
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1133</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1133</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1111	-	-	-	-	-	-	-	1111
Other/non-specified	-	-	22	-	-	-	-	-	-	-	22
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>185</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>374</b>	<b>450</b>	<b>-</b>	<b>1010</b>
Residential	-	-	112	-	-	-	-	373	157	-	641
Comm. and public services	-	-	61	-	-	-	-	1	292	-	354
Agriculture/forestry	-	-	12	-	-	-	-	-	2	-	14
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3031	-	-	3899	-	66	-	-	6996
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	361	-	482	-	-	843
Imports	72	-	5521	-	-	-	-	-	6	-	5599
Exports	-	-	-	-	-	-	-	-	-3	-	-3
Intl. marine bunkers	-	-	-2697	-	-	-	-	-	-	-	-2697
Intl. aviation bunkers	-	-	-360	-	-	-	-	-	-	-	-360
Stock changes	-	-	390	-	-	-	-	-	-	-	390
<b>TPES</b>	<b>72</b>	<b>-</b>	<b>2855</b>	<b>-</b>	<b>-</b>	<b>361</b>	<b>-</b>	<b>482</b>	<b>3</b>	<b>-</b>	<b>3773</b>
Electricity and CHP plants	-	-	-704	-	-	-361	-	-52	644	-	-472
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-163	-	-	-	-	-7	-110	-	-280
<b>TFC</b>	<b>72</b>	<b>-</b>	<b>1988</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>423</b>	<b>537</b>	<b>-</b>	<b>3020</b>
<b>INDUSTRY</b>	<b>72</b>	<b>-</b>	<b>539</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>80</b>	<b>56</b>	<b>-</b>	<b>746</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	72	-	539	-	-	-	-	80	56	-	746
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1174</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1174</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1171	-	-	-	-	-	-	-	1171
Other/non-specified	-	-	3	-	-	-	-	-	-	-	3
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>275</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>343</b>	<b>481</b>	<b>-</b>	<b>1099</b>
Residential	-	-	186	-	-	-	-	342	172	-	700
Comm. and public services	-	-	76	-	-	-	-	1	307	-	384
Agriculture/forestry	-	-	13	-	-	-	-	-	2	-	15
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	3225	-	-	4194	-	73	-	-	7492
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Paraguay

Figure 1. Energy production

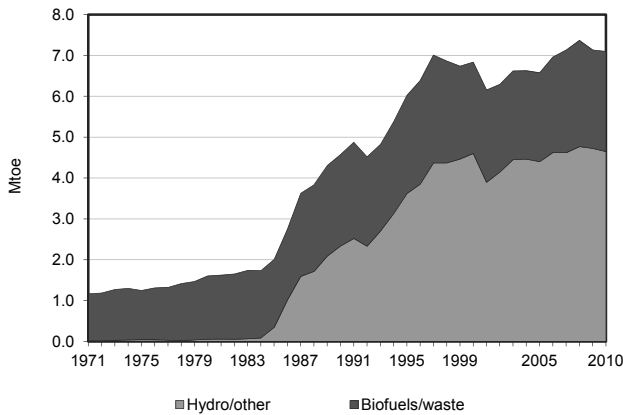


Figure 2. Total primary energy supply\*

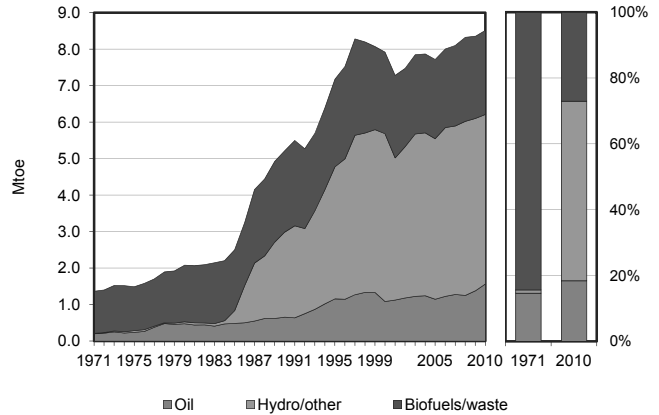


Figure 3. Energy self-sufficiency\*\*

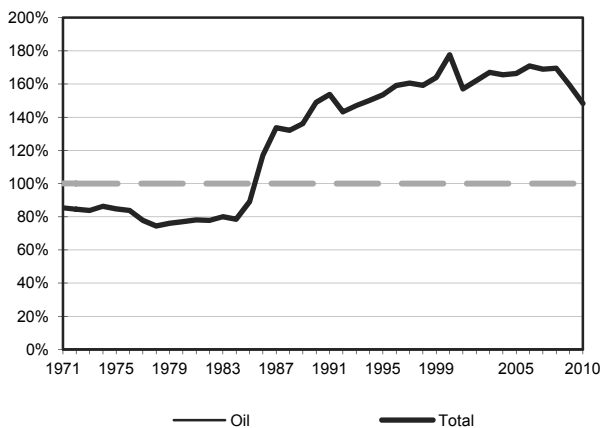


Figure 4. Oil products demand\*\*\*

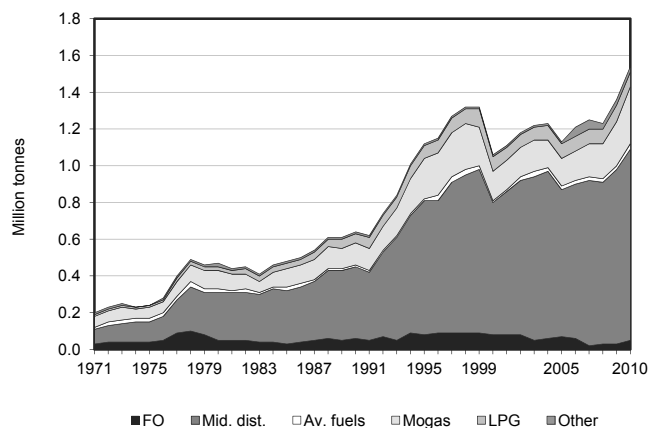


Figure 5. Electricity generation by fuel

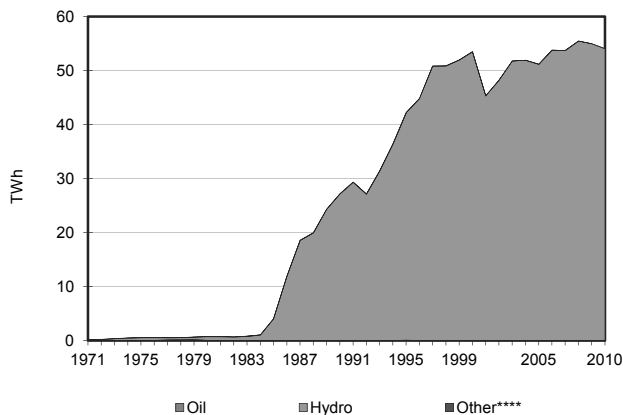
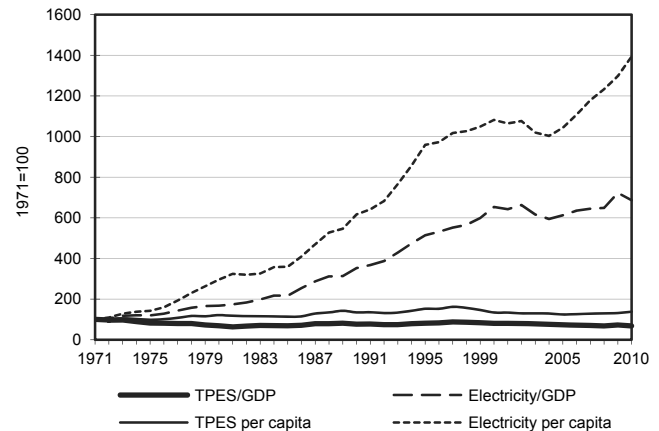


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Paraguay

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	4726	-	2409	-	-	7135
Imports	-	-	1413	-	-	-	-	-	-	-	1413
Exports	-	-	-	-	-	-	-	-158	-3881	-	-4040
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-20	-	-	-	-	-	-	-	-20
Stock changes	-	-	-14	-	-	-	-	1	-	-	-12
<b>TPES</b>	-	-	<b>1379</b>	-	-	<b>4726</b>	-	<b>2252</b>	<b>-3881</b>	-	<b>4476</b>
Electricity and CHP plants	-	-	-	-	-	-4726	-	-	4726	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-153	-290	-	-444
<b>TFC</b>	-	-	<b>1379</b>	-	-	-	-	<b>2098</b>	<b>555</b>	-	<b>4032</b>
<b>INDUSTRY</b>	-	-	<b>30</b>	-	-	-	-	<b>1068</b>	<b>131</b>	-	<b>1228</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	30	-	-	-	-	1068	131	-	1228
<b>TRANSPORT</b>	-	-	<b>1247</b>	-	-	-	-	<b>39</b>	-	-	<b>1286</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1227	-	-	-	-	39	-	-	1266
Other/non-specified	-	-	20	-	-	-	-	-	-	-	20
<b>OTHER</b>	-	-	<b>73</b>	-	-	-	-	<b>991</b>	<b>424</b>	-	<b>1489</b>
Residential	-	-	73	-	-	-	-	988	336	-	1397
Comm. and public services	-	-	-	-	-	-	-	4	88	-	92
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>29</b>	-	-	-	-	-	-	-	<b>29</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	-	-	54959	-	-	-	-	54959
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	4650	-	2451	-	-	7101
Imports	-	-	1495	-	-	-	-	-	-	-	1495
Exports	-	-	-	-	-	-	-	-148	-3731	-	-3879
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-24	-	-	-	-	-	-	-	-24
Stock changes	-	-	95	-	-	-	-	-	-	-	95
<b>TPES</b>	-	-	<b>1566</b>	-	-	<b>4650</b>	-	<b>2303</b>	<b>-3731</b>	-	<b>4789</b>
Electricity and CHP plants	-	-	-	-	-	-4650	-	-	4650	-	0
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-155	-328	-	-483
<b>TFC</b>	-	-	<b>1566</b>	-	-	-	-	<b>2148</b>	<b>591</b>	-	<b>4305</b>
<b>INDUSTRY</b>	-	-	<b>48</b>	-	-	-	-	<b>1105</b>	<b>140</b>	-	<b>1293</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	48	-	-	-	-	1105	140	-	1293
<b>TRANSPORT</b>	-	-	<b>1414</b>	-	-	-	-	<b>52</b>	-	-	<b>1466</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1397	-	-	-	-	52	-	-	1449
Other/non-specified	-	-	18	-	-	-	-	-	-	-	18
<b>OTHER</b>	-	-	<b>72</b>	-	-	-	-	<b>991</b>	<b>451</b>	-	<b>1515</b>
Residential	-	-	72	-	-	-	-	988	245	-	1305
Comm. and public services	-	-	-	-	-	-	-	4	206	-	210
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>32</b>	-	-	-	-	-	-	-	<b>32</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1	-	-	54065	-	-	-	-	54066
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

Peru

Figure 1. Energy production

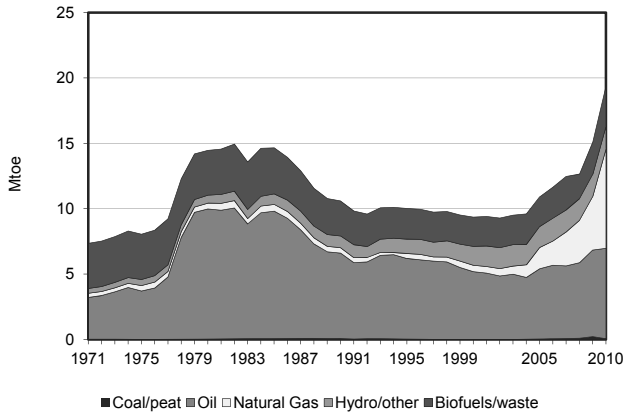


Figure 2. Total primary energy supply\*

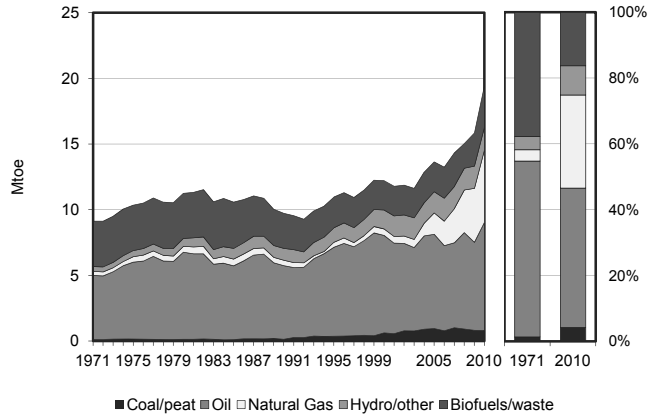


Figure 3. Energy self-sufficiency\*\*

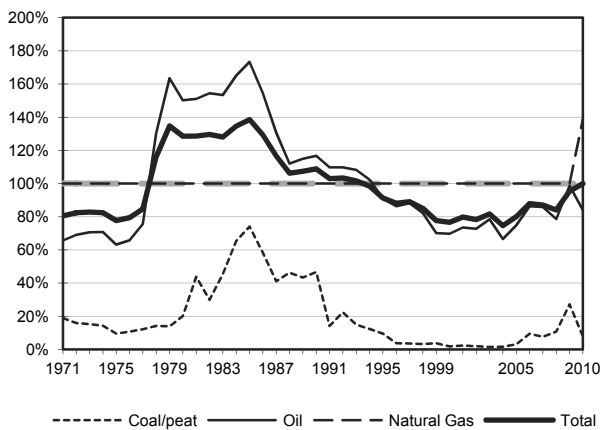


Figure 4. Oil products demand\*\*\*

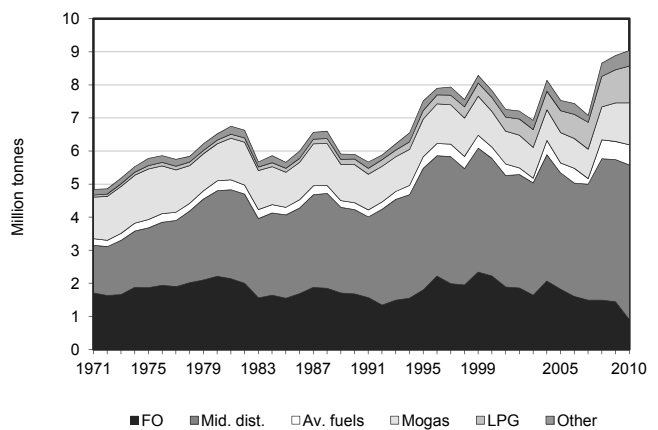


Figure 5. Electricity generation by fuel

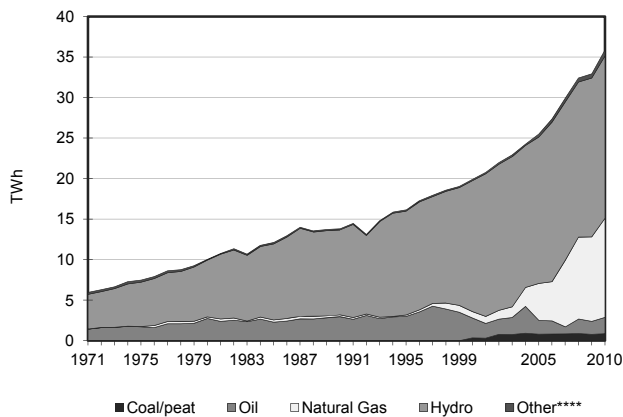
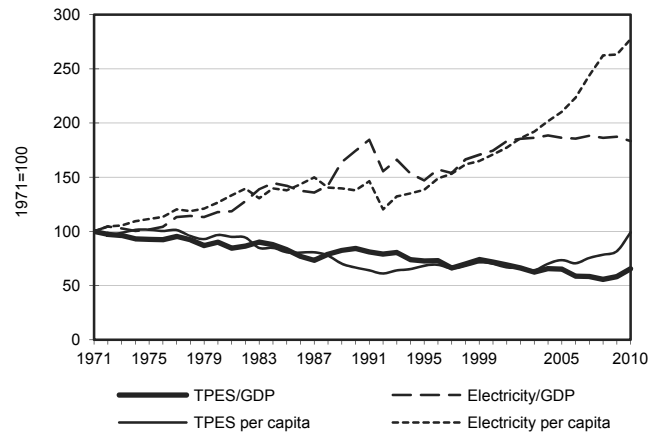


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Peru

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	225	6618	-	4101	-	1687	7	2465	-	-	15103
Imports	554	5028	1174	-	-	-	-	48	-	-	6805
Exports	-	-964	-3190	-	-	-	-	-	-5	-	-4159
Intl. marine bunkers	-	-	-175	-	-	-	-	-	-	-	-175
Intl. aviation bunkers	-	-	-587	-	-	-	-	-	-	-	-587
Stock changes	50	45	-1248	-	-	-	-	-	-	-	-1153
<b>TPES</b>	<b>830</b>	<b>10727</b>	<b>-4026</b>	<b>4101</b>	<b>-</b>	<b>1687</b>	<b>7</b>	<b>2513</b>	<b>-5</b>	<b>-</b>	<b>15834</b>
Electricity and CHP plants	-258	-	-509	-2455	-	-1687	-0	-161	2832	-	-2238
Oil refineries	-	-11305	11137	-	-	-	-	-	-	-	-168
Other transformation*	9	578	1021	-747	-	-	-0	-74	-274	-	514
<b>TFC</b>	<b>580</b>	<b>-</b>	<b>7623</b>	<b>900</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>2279</b>	<b>2553</b>	<b>-</b>	<b>13942</b>
<b>INDUSTRY</b>	<b>580</b>	<b>-</b>	<b>1580</b>	<b>573</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>1336</b>	<b>-</b>	<b>4069</b>
Iron and steel	100	-	534	70	-	-	-	-	655	-	1359
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	18	-	-	-	-	-	-	-	18
Other/non-specified	481	-	1028	502	-	-	-	0	681	-	2693
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>4765</b>	<b>257</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>69</b>	<b>-</b>	<b>-</b>	<b>5091</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	4759	-	-	-	-	69	-	-	4828
Other/non-specified	-	-	5	257	-	-	-	-	-	-	262
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>995</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>2209</b>	<b>1216</b>	<b>-</b>	<b>4498</b>
Residential	-	-	685	4	-	-	4	2080	626	-	3398
Comm. and public services	-	-	81	38	-	-	3	5	526	-	653
Agriculture/forestry	-	-	11	-	-	-	0	125	64	-	201
Other/non-specified	-	-	218	28	-	-	-	-	-	-	247
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>283</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>283</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	784	-	1606	10429	-	19612	1	497	-	-	32929
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

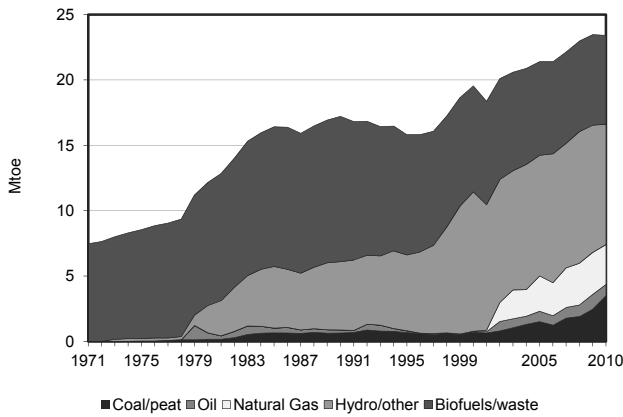
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	64	6908	-	7624	-	1723	6	3073	-	-	19398
Imports	701	4805	2061	-	-	-	-	76	-	-	7643
Exports	-75	-956	-6862	-2129	-	-	-	-7	-10	-	-10038
Intl. marine bunkers	-	-	-243	-	-	-	-	-	-	-	-243
Intl. aviation bunkers	-	-	-653	-	-	-	-	-	-	-	-653
Stock changes	123	86	3071	-	-	-	-	11	-	-	3291
<b>TPES</b>	<b>813</b>	<b>10844</b>	<b>-2626</b>	<b>5495</b>	<b>-</b>	<b>1723</b>	<b>6</b>	<b>3153</b>	<b>-10</b>	<b>-</b>	<b>19398</b>
Electricity and CHP plants	-277	-	-629	-3128	-	-1723	-0	-235	3087	-	-2905
Oil refineries	-	-12382	11993	-	-	-	-	-	-	-	-389
Other transformation*	119	1539	-1166	-1231	-	-	-	-99	-361	-	-1200
<b>TFC</b>	<b>656</b>	<b>-</b>	<b>7572</b>	<b>1135</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>2819</b>	<b>2716</b>	<b>-</b>	<b>14904</b>
<b>INDUSTRY</b>	<b>638</b>	<b>-</b>	<b>1163</b>	<b>704</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>1444</b>	<b>-</b>	<b>3949</b>
Iron and steel	101	-	373	84	-	-	-	-	689	-	1247
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	25	-	-	-	-	-	-	-	25
Other/non-specified	537	-	765	621	-	-	-	0	755	-	2677
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>5151</b>	<b>367</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>84</b>	<b>-</b>	<b>-</b>	<b>5602</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	5150	-	-	-	-	84	-	-	5234
Other/non-specified	-	-	-	367	-	-	-	-	-	-	367
<b>OTHER</b>	<b>18</b>	<b>-</b>	<b>933</b>	<b>64</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>2735</b>	<b>1272</b>	<b>-</b>	<b>5027</b>
Residential	-	-	651	6	-	-	3	2578	654	-	3893
Comm. and public services	-	-	155	50	-	-	3	4	551	-	763
Agriculture/forestry	18	-	14	-	-	-	0	153	48	-	232
Other/non-specified	-	-	112	8	-	-	-	-	19	-	139
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>326</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>326</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	857	-	2028	12237	-	20035	1	732	-	-	35890
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

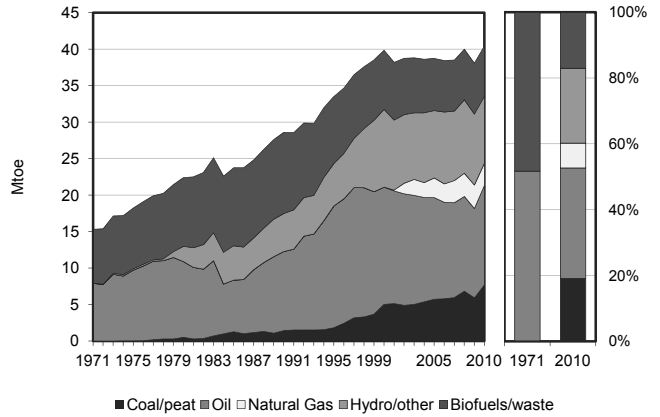


## Philippines

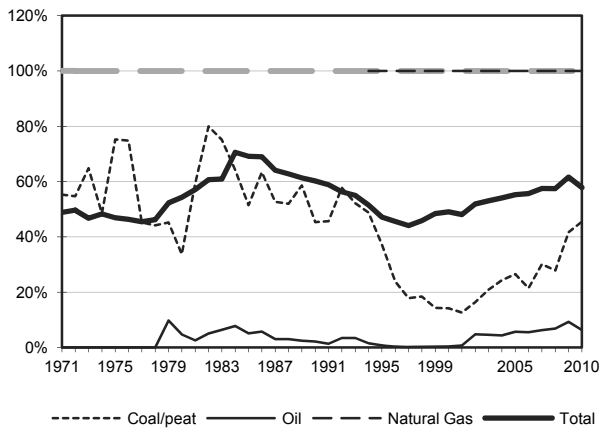
**Figure 1. Energy production**



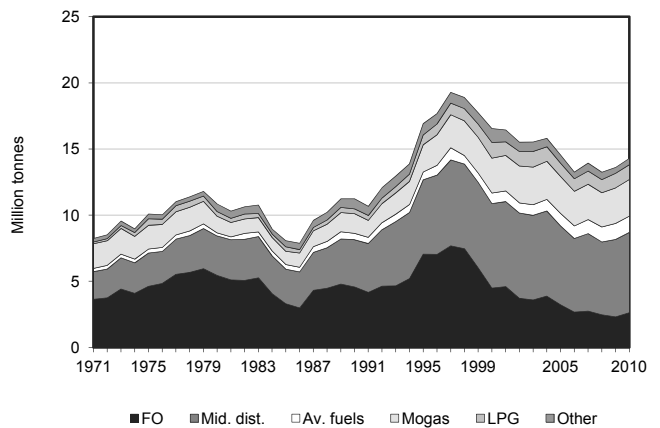
**Figure 2. Total primary energy supply\***



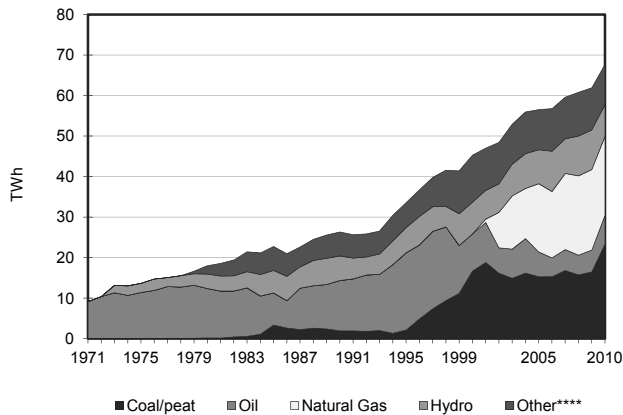
**Figure 3. Energy self-sufficiency\*\***



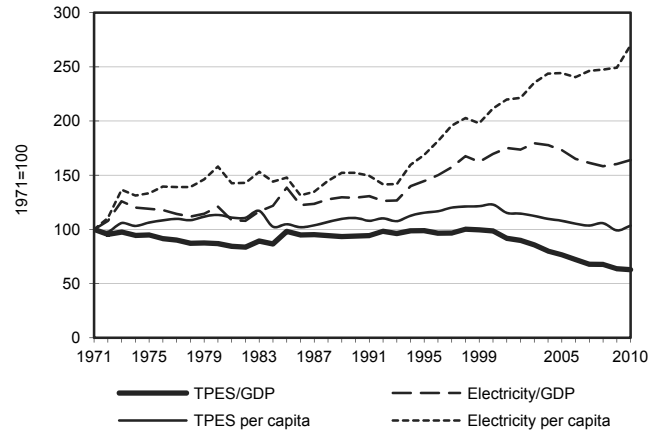
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Philippines

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2474	1132	-	3213	-	842	8881	6934	-	-	23476
Imports	4516	6729	7273	-	-	-	-	36	-	-	18553
Exports	-1052	-998	-973	-	-	-	-	-	-	-	-3023
Intl. marine bunkers	-	-	-197	-	-	-	-	-	-	-	-197
Intl. aviation bunkers	-	-	-976	-	-	-	-	-	-	-	-976
Stock changes	-	421	-160	-	-	-	-	8	-	-	270
<b>TPES</b>	<b>5937</b>	<b>7284</b>	<b>4967</b>	<b>3213</b>	<b>-</b>	<b>842</b>	<b>8881</b>	<b>6979</b>	<b>-</b>	<b>-</b>	<b>38102</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	621	-65	387	-0	-	-	-	-6	-	-	936
Electricity plants	-4820	-	-1177	-2966	-	-842	-8881	-	5325	-	-13361
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-61	-	-	-	-	-	-	-	-	-	-61
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-6941	7032	-	-	-	-	-	-	-	92
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-1325	-	-	-1325
Energy industry own use	-	-278	-80	-177	-	-	-	-	-303	-	-839
Losses	-	-	-	-	-	-	-	-	-645	-	-645
<b>TFC</b>	<b>1676</b>	<b>-</b>	<b>11128</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5647</b>	<b>4377</b>	<b>-</b>	<b>22898</b>
<b>INDUSTRY</b>	<b>1521</b>	<b>-</b>	<b>1339</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1322</b>	<b>1469</b>	<b>-</b>	<b>5721</b>
Iron and steel	128	-	140	-	-	-	-	-	300	-	568
Chemical and petrochemical	16	-	189	-	-	-	-	-	89	-	294
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1293	-	152	-	-	-	-	-	112	-	1557
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	129	-	-	-	-	-	367	-	496
Mining and quarrying	-	-	103	-	-	-	-	-	14	-	117
Food and tobacco	31	-	444	-	-	-	-	1322	269	-	2065
Paper pulp and printing	53	-	18	-	-	-	-	-	82	-	153
Wood and wood products	-	-	11	-	-	-	-	-	35	-	46
Construction	-	-	121	-	-	-	-	-	46	-	167
Textile and leather	-	-	18	-	-	-	-	-	114	-	132
Non-specified	-	-	16	70	-	-	-	-	42	-	128
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>7703</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>205</b>	<b>10</b>	<b>-</b>	<b>7918</b>
Domestic aviation	-	-	229	-	-	-	-	-	-	-	229
Road	-	-	6866	-	-	-	-	205	-	-	7071
Rail	-	-	-	-	-	-	-	-	10	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	608	-	-	-	-	-	-	-	608
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>1970</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4120</b>	<b>2898</b>	<b>-</b>	<b>8989</b>
Residential	-	-	938	-	-	-	-	3805	1508	-	6251
Comm. and publ. services	-	-	827	-	-	-	-	316	1269	-	2412
Agriculture/forestry	-	-	22	-	-	-	-	-	107	-	129
Fishing	-	-	183	-	-	-	-	-	15	-	197
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>155</b>	<b>-</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>270</b>
in industry/transf./energy	155	-	115	-	-	-	-	-	-	-	270
of which: feedstocks	-	-	31	-	-	-	-	-	-	-	31
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>16476</b>	<b>-</b>	<b>5381</b>	<b>19887</b>	<b>-</b>	<b>9788</b>	<b>10389</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>61921</b>
Electricity plants	16476	-	5381	19887	-	9788	10389	-	-	-	61921
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Philippines

2010

Thousand tonnes of oil equivalent

<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	3510	856	-	3048	-	671	8541	6790	-	-	23417
Imports	6475	9016	6806	-	-	-	-	78	-	-	22374
Exports	-2163	-797	-891	-	-	-	-	-	-	-	-3851
Intl. marine bunkers	-	-	-182	-	-	-	-	-	-	-	-182
Intl. aviation bunkers	-	-	-989	-	-	-	-	-	-	-	-989
Stock changes	-105	-122	-95	-	-	-	-	29	-	-	-292
<b>TPES</b>	<b>7717</b>	<b>8953</b>	<b>4649</b>	<b>3048</b>	-	<b>671</b>	<b>8541</b>	<b>6898</b>	-	-	<b>40477</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	-158	-95	3	0	-	-	-	-4	0	-	-254
Electricity plants	-5512	-	-1480	-2750	-	-671	-8541	-5	5826	-	-13134
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-61	-	-	-	-	-	-	-	-	-	-61
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-8550	8387	-	-	-	-	-	-	-	-163
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-1339	-	-	-1339
Energy industry own use	-	-308	-99	-228	-	-	-	-	-402	-	-1037
Losses	-	-	-	-	-	-	-	-	-671	-	-671
<b>TFC</b>	<b>1985</b>	-	<b>11460</b>	<b>70</b>	-	-	-	<b>5550</b>	<b>4753</b>	-	<b>23818</b>
<b>INDUSTRY</b>	<b>1883</b>	-	<b>1402</b>	<b>70</b>	-	-	-	<b>1464</b>	<b>1598</b>	-	<b>6416</b>
Iron and steel	133	-	108	-	-	-	-	-	326	-	567
Chemical and petrochemical	18	-	169	-	-	-	-	1	97	-	286
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	1643	-	217	-	-	-	-	-	122	-	1981
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	121	-	-	-	-	4	399	-	525
Mining and quarrying	-	-	157	-	-	-	-	3	15	-	175
Food and tobacco	36	-	463	-	-	-	-	1443	292	-	2234
Paper pulp and printing	52	-	23	-	-	-	-	-	89	-	164
Wood and wood products	-	-	11	-	-	-	-	-	38	-	49
Construction	-	-	83	-	-	-	-	2	50	-	135
Textile and leather	-	-	17	-	-	-	-	-	124	-	141
Non-specified	-	-	32	70	-	-	-	12	46	-	160
<b>TRANSPORT</b>	-	-	<b>7851</b>	<b>0</b>	-	-	-	<b>183</b>	<b>10</b>	-	<b>8044</b>
Domestic aviation	-	-	236	-	-	-	-	-	-	-	236
Road	-	-	6918	0	-	-	-	180	-	-	7098
Rail	-	-	-	-	-	-	-	-	10	-	10
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	697	-	-	-	-	4	-	-	701
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2088</b>	-	-	-	-	<b>3902</b>	<b>3146</b>	-	<b>9135</b>
Residential	-	-	930	-	-	-	-	3575	1620	-	6124
Comm. and publ. services	-	-	942	-	-	-	-	324	1398	-	2664
Agriculture/forestry	-	-	22	-	-	-	-	-	112	-	134
Fishing	-	-	194	-	-	-	-	4	15	-	213
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>102</b>	-	<b>120</b>	-	-	-	-	-	-	-	<b>223</b>
in industry/transf./energy	102	-	120	-	-	-	-	-	-	-	223
of which: feedstocks	-	-	45	-	-	-	-	-	-	-	45
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>23301</b>	-	<b>7101</b>	<b>19518</b>	-	<b>7803</b>	<b>9992</b>	<b>13</b>	-	-	<b>67728</b>
Electricity plants	23301	-	7101	19518	-	7803	9992	13	-	-	67728
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Qatar

Figure 1. Energy production

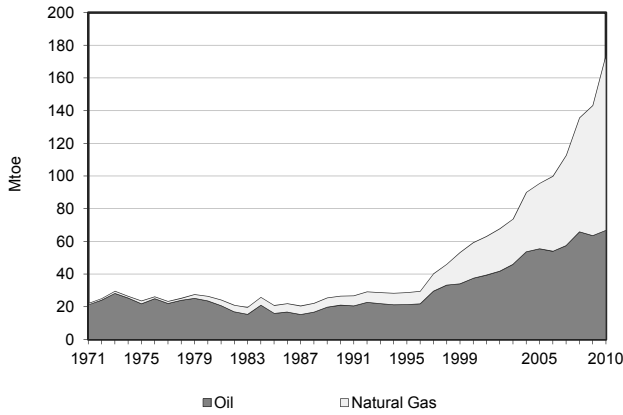


Figure 2. Total primary energy supply\*

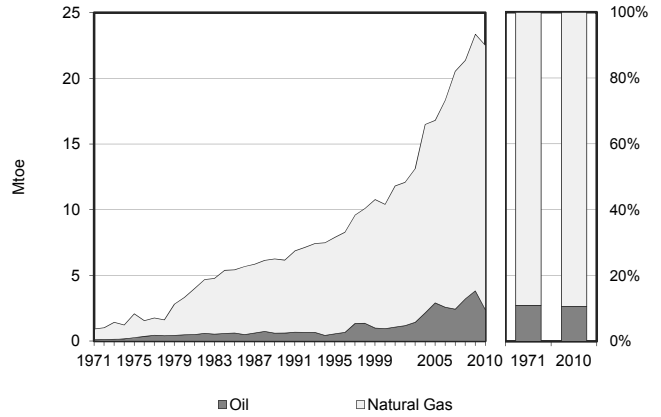


Figure 3. Energy self-sufficiency\*\*

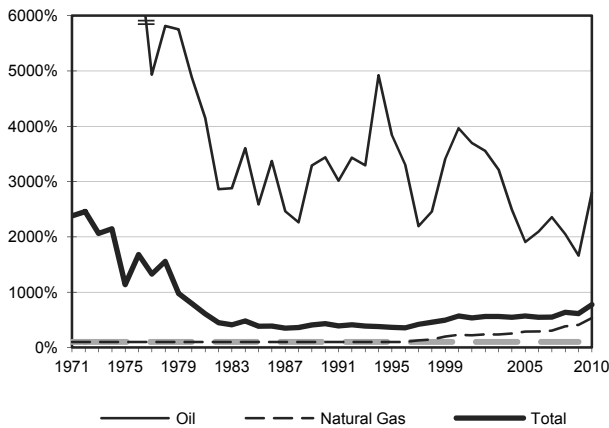


Figure 4. Oil products demand\*\*\*

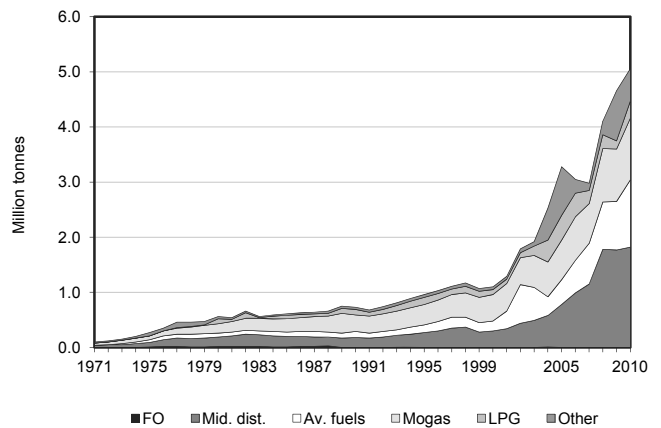


Figure 5. Electricity generation by fuel

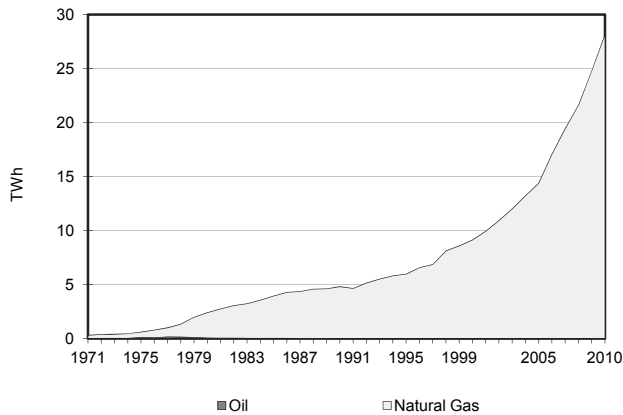
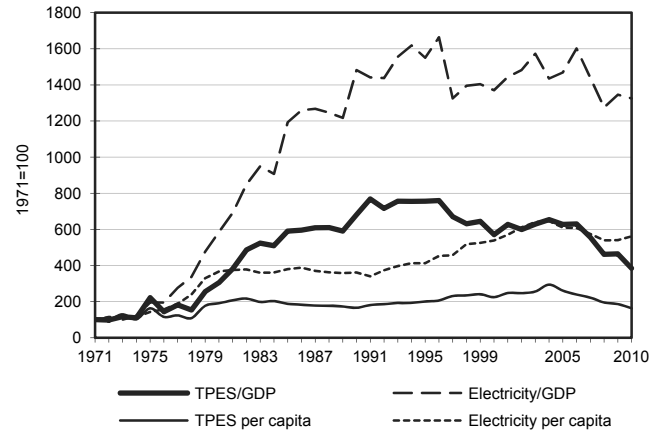


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 6000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Qatar

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	63584	-	79528	-	-	-	-	-	-	143112
Imports	-	-	713	-	-	-	-	-	-	-	713
Exports	-	-57114	-2429	-59987	-	-	-	-	-	-	-119531
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-932	-	-	-	-	-	-	-	-932
Stock changes	-	-	7	-	-	-	-	-	-	-	7
<b>TPES</b>	-	<b>6470</b>	<b>-2642</b>	<b>19541</b>	-	-	-	-	-	-	<b>23368</b>
Electricity and CHP plants	-	-	-	-5241	-	-	-	-	2132	-	-3109
Oil refineries	-	-5992	6002	-	-	-	-	-	-	-	9
Other transformation*	-	-478	418	-7141	-	-	-	-	-335	-	-7535
<b>TFC</b>	-	-	<b>3778</b>	<b>7159</b>	-	-	-	-	<b>1797</b>	-	<b>12734</b>
<b>INDUSTRY</b>	-	-	<b>816</b>	<b>3589</b>	-	-	-	-	<b>481</b>	-	<b>4886</b>
Iron and steel	-	-	-	290	-	-	-	-	481	-	772
Chemical and petrochemical	-	-	-	3179	-	-	-	-	-	-	3179
Non-metallic minerals	-	-	-	119	-	-	-	-	-	-	119
Other/non-specified	-	-	816	-0	-	-	-	-	-	-	816
<b>TRANSPORT</b>	-	-	<b>2839</b>	-	-	-	-	-	-	-	<b>2839</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2839	-	-	-	-	-	-	-	2839
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>94</b>	-	-	-	-	-	<b>1316</b>	-	<b>1409</b>
Residential	-	-	94	-	-	-	-	-	436	-	530
Comm. and public services	-	-	-	-	-	-	-	-	329	-	329
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	551	-	551
<b>NON-ENERGY USE</b>	-	-	<b>29</b>	<b>3570</b>	-	-	-	-	-	-	<b>3600</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	24796	-	-	-	-	-	-	24796
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	66830	-	107267	-	-	-	-	-	-	174097
Imports	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-53290	-9858	-87142	-	-	-	-	-	-	-150289
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-1296	-	-	-	-	-	-	-	-1296
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>13540</b>	<b>-11154</b>	<b>20125</b>	-	-	-	-	-	-	<b>22512</b>
Electricity and CHP plants	-	-	-	-5949	-	-	-	-	2420	-	-3529
Oil refineries	-	-12824	13179	-	-	-	-	-	-	-	354
Other transformation*	-	-716	1776	-6803	-	-	-	-	-303	-	-6047
<b>TFC</b>	-	-	<b>3800</b>	<b>7373</b>	-	-	-	-	<b>2117</b>	-	<b>13290</b>
<b>INDUSTRY</b>	-	-	<b>504</b>	<b>3696</b>	-	-	-	-	<b>668</b>	-	<b>4869</b>
Iron and steel	-	-	-	299	-	-	-	-	668	-	967
Chemical and petrochemical	-	-	-	3274	-	-	-	-	-	-	3274
Non-metallic minerals	-	-	-	123	-	-	-	-	-	-	123
Other/non-specified	-	-	504	0	-	-	-	-	-	-	504
<b>TRANSPORT</b>	-	-	<b>3070</b>	-	-	-	-	-	-	-	<b>3070</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	3070	-	-	-	-	-	-	-	3070
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>103</b>	-	-	-	-	-	<b>1449</b>	-	<b>1551</b>
Residential	-	-	103	-	-	-	-	-	480	-	583
Comm. and public services	-	-	-	-	-	-	-	-	362	-	362
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	607	-	607
<b>NON-ENERGY USE</b>	-	-	<b>123</b>	<b>3677</b>	-	-	-	-	-	-	<b>3800</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	28144	-	-	-	-	-	-	28144
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Romania

Figure 1. Energy production

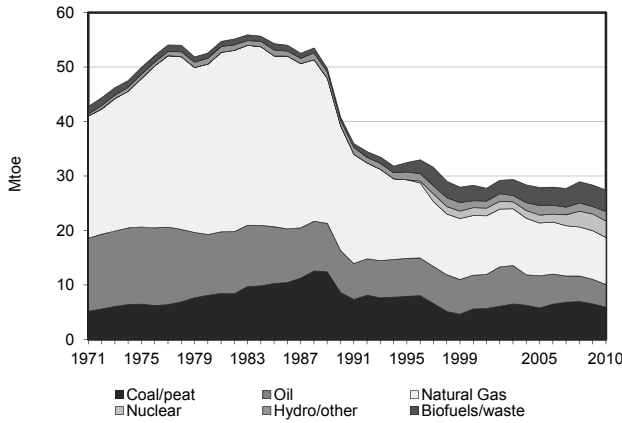


Figure 2. Total primary energy supply\*

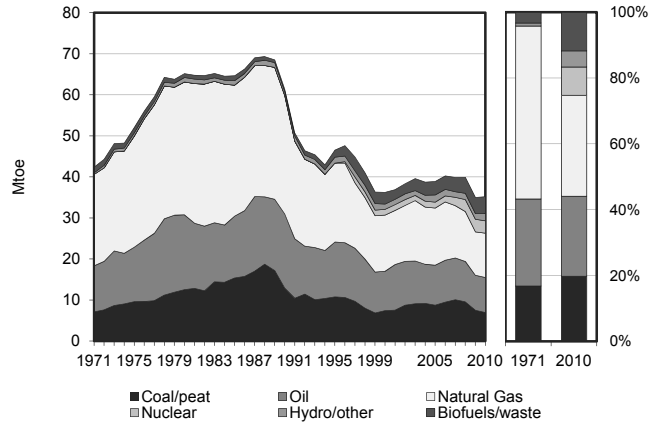


Figure 3. Energy self-sufficiency\*\*

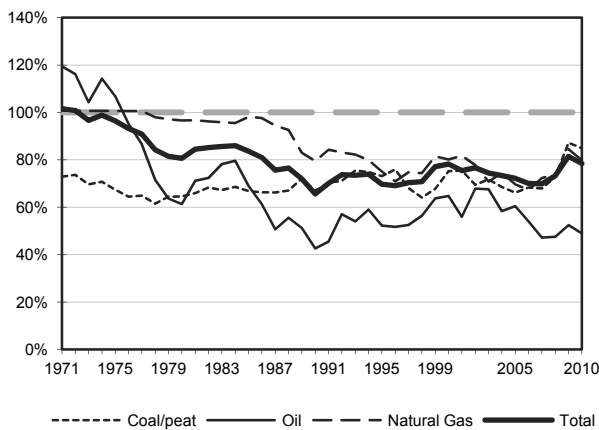


Figure 4. Oil products demand\*\*\*

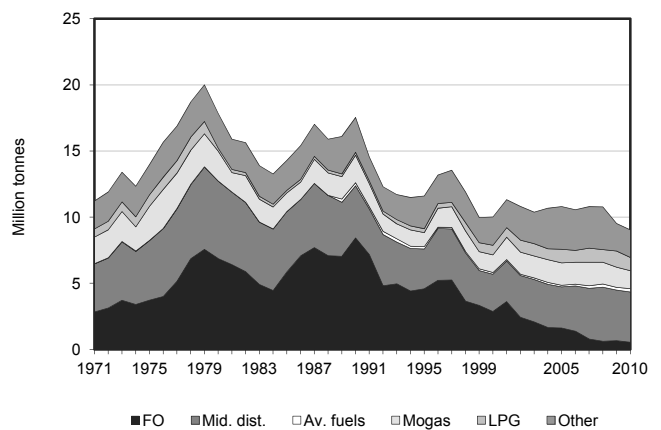


Figure 5. Electricity generation by fuel

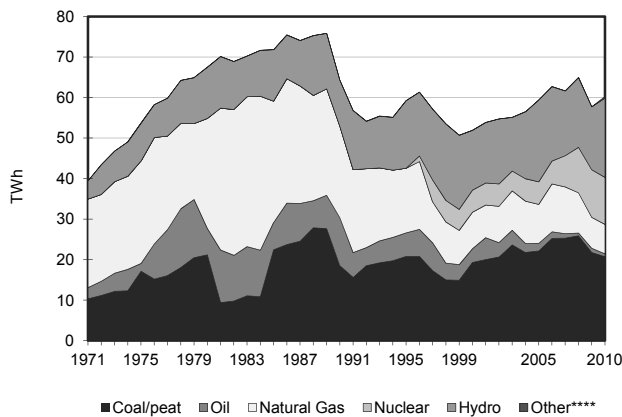
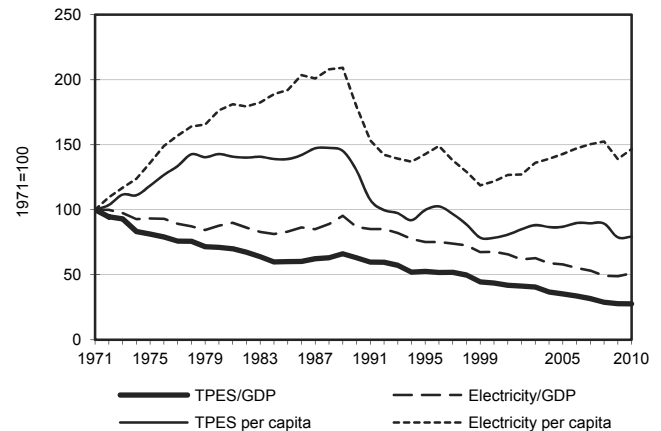


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Romania

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	6565	4477	-	8936	3063	1336	24	3934	-	-	28336
Imports	1019	7142	1589	1598	-	-	-	74	56	-	11478
Exports	-16	-	-4238	-	-	-	-	-50	-253	-	-4557
Intl. marine bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Intl. aviation bunkers	-	-	-150	-	-	-	-	-	-	-	-150
Stock changes	-40	-107	-168	44	-	-	-	-31	-	-	-302
<b>TPES</b>	<b>7529</b>	<b>11512</b>	<b>-2982</b>	<b>10577</b>	<b>3063</b>	<b>1336</b>	<b>24</b>	<b>3928</b>	<b>-197</b>	<b>-</b>	<b>34789</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	8	39	-27	-45	-	-	1	26	-43	25	-14
Electricity plants	-4017	-	-96	-452	-3063	-1336	-1	-1	3768	-	-5197
CHP plants	-2322	-	-268	-1881	-	-	-	-0	1198	1809	-1465
Heat plants	-10	-	-116	-543	-	-	-0	-30	-	499	-199
Blast furnaces	-320	-	-	-	-	-	-	-	-	-	-320
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-61	-	-	-	-	-	-	-	-	-	-61
Oil refineries	-	-12095	12577	-	-	-	-	-	-	-	482
Petrochemical plants	-	517	-426	-	-	-	-	-	-	-	91
Liquefaction plants	-	45	-	-	-	-	-	-	-	-	45
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-127	-3	-1112	-742	-	-	-1	-9	-887	-254	-3134
Losses	-26	-	-2	-278	-	-	-	-0	-604	-444	-1354
<b>TFC</b>	<b>655</b>	<b>15</b>	<b>7548</b>	<b>6638</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>3914</b>	<b>3234</b>	<b>1635</b>	<b>23663</b>
<b>INDUSTRY</b>	<b>632</b>	<b>15</b>	<b>674</b>	<b>2680</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>229</b>	<b>1564</b>	<b>238</b>	<b>6032</b>
Iron and steel	411	-	37	426	-	-	-	2	476	1	1353
Chemical and petrochemical	133	15	278	1156	-	-	-	14	284	144	2024
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	88	-	31	226	-	-	-	38	147	3	534
Transport equipment	-	-	-	65	-	-	-	-	73	11	150
Machinery	1	-	20	136	-	-	-	1	140	28	325
Mining and quarrying	-	-	20	3	-	-	-	0	15	-	38
Food and tobacco	-	-	48	297	-	-	-	30	134	13	523
Paper pulp and printing	-	-	-	46	-	-	-	9	29	5	90
Wood and wood products	-	-	8	22	-	-	-	88	64	12	194
Construction	-	-	218	112	-	-	-	3	68	6	407
Textile and leather	0	-	4	110	-	-	0	2	57	10	183
Non-specified	-	-	7	81	-	-	-	41	77	5	212
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>4895</b>	<b>54</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>163</b>	<b>119</b>	<b>-</b>	<b>5230</b>
Domestic aviation	-	-	86	-	-	-	-	-	-	-	86
Road	-	-	4625	-	-	-	-	163	-	-	4788
Rail	-	-	128	-	-	-	-	0	72	-	200
Pipeline transport	-	-	-	54	-	-	-	-	3	-	57
Domestic navigation	-	-	55	-	-	-	-	-	-	-	55
Non-specified	-	-	-	-	-	-	-	-	44	-	44
<b>OTHER</b>	<b>23</b>	<b>-</b>	<b>703</b>	<b>3137</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>3522</b>	<b>1552</b>	<b>1398</b>	<b>10358</b>
Residential	14	-	319	2146	-	-	11	3394	948	1182	8014
Comm. and publ. services	0	-	63	929	-	-	13	-	561	194	1760
Agriculture/forestry	9	-	233	62	-	-	-	10	42	22	379
Fishing	-	-	-	-	-	-	-	-	0	-	0
Non-specified	-	-	88	-	-	-	-	118	-	-	206
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1276</b>	<b>766</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2043</b>
in industry/transf./energy	-	-	1241	766	-	-	-	-	-	-	2008
of which: feedstocks	-	-	569	766	-	-	-	-	-	-	1335
in transport	-	-	30	-	-	-	-	-	-	-	30
in other	-	-	5	-	-	-	-	-	-	-	5
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>21773</b>	<b>-</b>	<b>1031</b>	<b>7632</b>	<b>11752</b>	<b>15534</b>	<b>9</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>57741</b>
Electricity plants	14161	-	333	2014	11752	15534	9	10	-	-	43813
CHP plants	7612	-	698	5618	-	-	-	-	-	-	13928
<b>Heat generated - TJ</b>	<b>26543</b>	<b>-</b>	<b>9169</b>	<b>60063</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>886</b>	<b>-</b>	<b>-</b>	<b>96663</b>
CHP plants	26228	-	5998	43524	-	-	-	3	-	-	75753
Heat plants	315	-	3171	16539	-	-	2	883	-	-	20910

## Romania

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	5904	4186	-	8616	3029	1679	49	3979	-	-	27442
Imports	1229	6032	2150	1815	-	-	-	162	66	-	11455
Exports	-50	-86	-3540	-	-	-	-	-27	-262	-	-3965
Intl. marine bunkers	-	-	-16	-	-	-	-	-	-	-	-16
Intl. aviation bunkers	-	-	-166	-	-	-	-	-	-	-	-166
Stock changes	-126	156	-163	354	-	-	-	19	-	-	240
<b>TPES</b>	<b>6957</b>	<b>10288</b>	<b>-1735</b>	<b>10785</b>	<b>3029</b>	<b>1679</b>	<b>49</b>	<b>4133</b>	<b>-196</b>	<b>-</b>	<b>34990</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	78	-28	-537	-0	-	-	-	-15	9	-31	-525
Electricity plants	-3723	-	-57	-373	-3029	-1679	-26	-6	4082	-	-4811
CHP plants	-2129	-	-245	-1869	-	-	-	-13	1100	1880	-1276
Heat plants	-10	-	-94	-542	-	-	-0	-43	-	487	-201
Blast furnaces	-335	-	-	-	-	-	-	-	-	-	-335
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-1	-	-	-	-	-	-	-	-	-	-1
Oil refineries	-	-10897	11307	-	-	-	-	-	-	-	410
Petrochemical plants	-	602	-581	-	-	-	-	-	-	-	21
Liquefaction plants	-	43	-	-	-	-	-	-	-	-	43
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-100	-1	-1222	-884	-	-	-1	-1	-835	-243	-3289
Losses	-23	-6	-5	-340	-	-	-	-0	-607	-443	-1425
<b>TFC</b>	<b>715</b>	<b>1</b>	<b>6830</b>	<b>6777</b>	<b>-</b>	<b>-</b>	<b>22</b>	<b>4054</b>	<b>3553</b>	<b>1649</b>	<b>23602</b>
<b>INDUSTRY</b>	<b>696</b>	<b>1</b>	<b>622</b>	<b>2791</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>283</b>	<b>1753</b>	<b>283</b>	<b>6430</b>
Iron and steel	510	-	1	474	-	-	-	3	576	11	1574
Chemical and petrochemical	128	1	259	1145	-	-	-	21	298	177	2028
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	57	-	17	249	-	-	-	48	165	7	543
Transport equipment	-	-	-	66	-	-	-	-	41	7	114
Machinery	1	-	13	142	-	-	-	2	195	13	365
Mining and quarrying	-	-	19	2	-	-	-	4	22	-	47
Food and tobacco	1	-	47	312	-	-	-	40	134	23	557
Paper pulp and printing	-	-	5	106	-	-	-	4	49	1	165
Wood and wood products	-	-	13	42	-	-	-	0	129	60	263
Construction	-	-	234	99	-	-	-	3	3	9	408
Textile and leather	-	-	3	95	-	-	-	2	70	11	181
Non-specified	-	-	11	59	-	-	-	28	83	5	185
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>4563</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>115</b>	<b>117</b>	<b>-</b>	<b>4805</b>
Domestic aviation	-	-	111	-	-	-	-	-	-	-	111
Road	-	-	4247	-	-	-	-	115	-	-	4363
Rail	-	-	146	-	-	-	-	-	76	-	221
Pipeline transport	-	-	-	10	-	-	-	-	3	-	13
Domestic navigation	-	-	59	-	-	-	-	-	-	-	59
Non-specified	-	-	-	-	-	-	-	-	38	-	38
<b>OTHER</b>	<b>19</b>	<b>-</b>	<b>626</b>	<b>3214</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>3656</b>	<b>1684</b>	<b>1367</b>	<b>10584</b>
Residential	10	-	236	2205	-	-	15	3526	974	1135	8101
Comm. and publ. services	1	-	74	935	-	-	4	-	652	214	1880
Agriculture/forestry	8	-	227	73	-	-	-	7	58	18	391
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	89	-	-	-	-	124	-	-	213
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1019</b>	<b>762</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1781</b>
in industry/transf./energy	-	-	979	762	-	-	-	-	-	-	1741
of which: feedstocks	-	-	299	762	-	-	-	-	-	-	1061
in transport	-	-	35	-	-	-	-	-	-	-	35
in other	-	-	5	-	-	-	-	-	-	-	5
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>20742</b>	<b>-</b>	<b>692</b>	<b>7262</b>	<b>11623</b>	<b>19523</b>	<b>306</b>	<b>111</b>	<b>-</b>	<b>-</b>	<b>60259</b>
Electricity plants	14194	-	205	1570	11623	19523	306	48	-	-	47469
CHP plants	6548	-	487	5692	-	-	-	63	-	-	12790
<b>Heat generated - TJ</b>	<b>25199</b>	<b>-</b>	<b>9051</b>	<b>63350</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>1495</b>	<b>-</b>	<b>-</b>	<b>99107</b>
CHP plants	24866	-	6611	47039	-	-	-	200	-	-	78716
Heat plants	333	-	2440	16311	-	-	12	1295	-	-	20391



## Russian Federation

Figure 1. Energy production

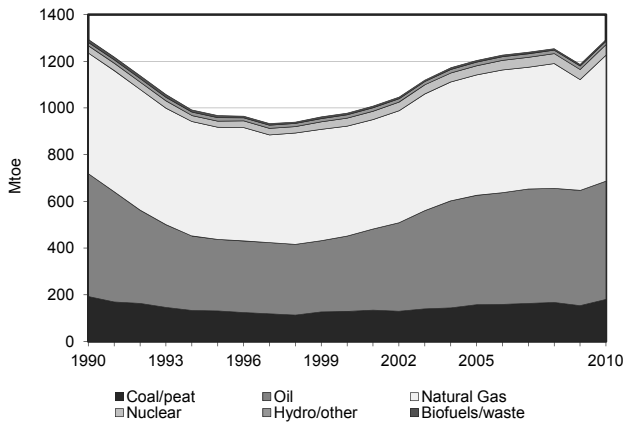


Figure 2. Total primary energy supply\*

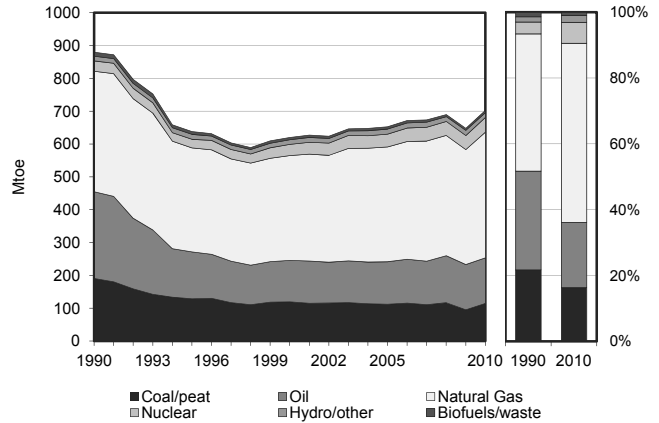


Figure 3. Energy self-sufficiency\*\*

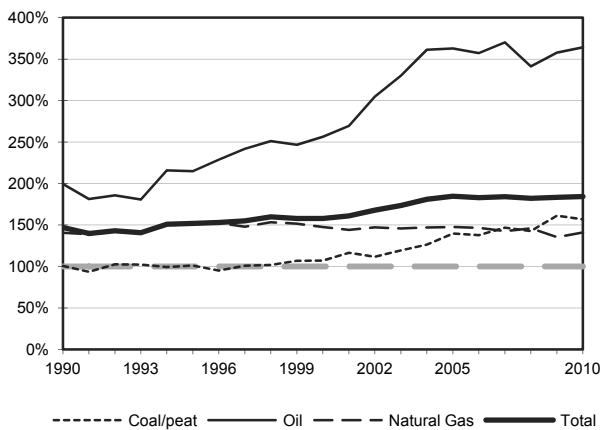


Figure 4. Oil products demand\*\*\*

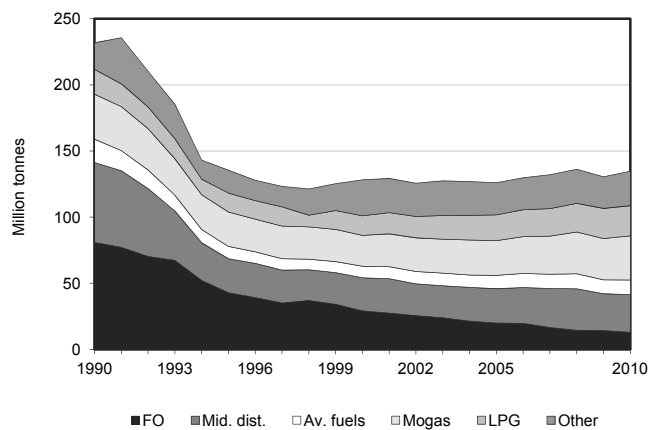


Figure 5. Electricity generation by fuel

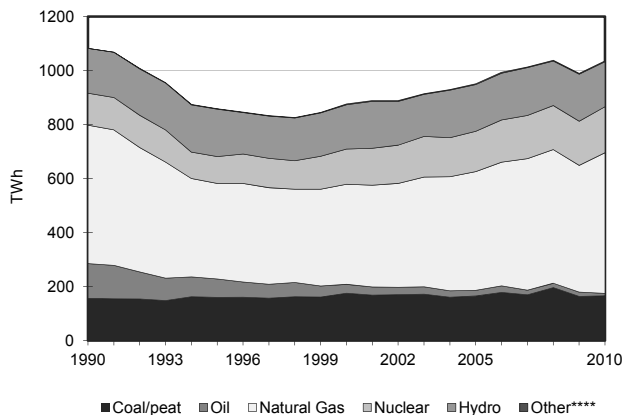
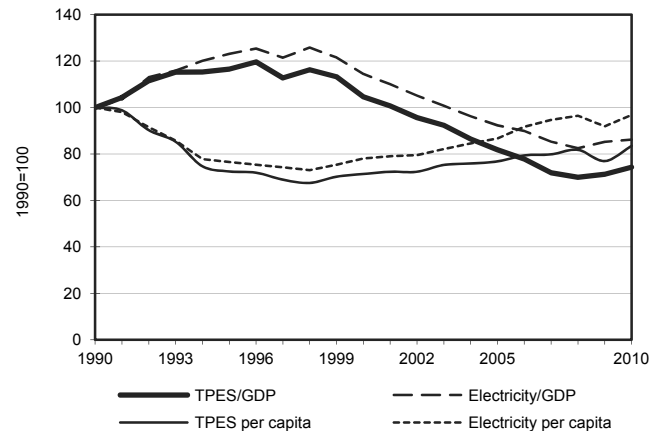


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Russian Federation

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	153640	493641	-	474350	42959	14980	399	6410	-	-	1186378
Imports	14530	1793	808	6675	-	-	-	-	264	-	24071
Exports	-68671	-250141	-101135	-135999	-	-	-	-	-1541	-	-557488
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-5858	-	-	-	-	-	-	-	-5858
Stock changes	-4228	-1635	451	5268	-	-	-	-43	-	-	-187
<b>TPES</b>	<b>95271</b>	<b>243658</b>	<b>-105734</b>	<b>350295</b>	<b>42959</b>	<b>14980</b>	<b>399</b>	<b>6367</b>	<b>-1278</b>	<b>-</b>	<b>646915</b>
Transfers	-	-	-	-	-	-	-	-	-	-	-
Statistical differences	8581	476	24	-	-	-	-	-	-20	-	9061
Electricity plants	-	-	-651	-1995	-42631	-14980	-399	-	29694	-	-30961
CHP plants	-52645	-10	-4905	-143960	-328	-	-	-1676	55449	60260	-87815
Heat plants	-11784	-742	-6481	-58216	-	-	-	-2254	-	74749	-4728
Blast furnaces	-11448	-	-	-	-	-	-	-	-	-	-11448
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-7707	-	-	-	-	-	-	-	-	-	-7707
Oil refineries	-	-240251	231610	-	-	-	-	-	-	-	-8641
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-174	-1390	-	-	-	-	-	-	-1564
Energy industry own use	-2000	-264	-12163	-11805	-	-	-	-140	-15646	-16509	-58528
Losses	-	-2826	-	-4424	-	-	-	-	-9184	-10000	-26434
<b>TFC</b>	<b>18268</b>	<b>41</b>	<b>101525</b>	<b>128504</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2297</b>	<b>59016</b>	<b>108500</b>	<b>418151</b>
<b>INDUSTRY</b>	<b>13538</b>	<b>13</b>	<b>10831</b>	<b>29397</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>368</b>	<b>26782</b>	<b>38745</b>	<b>119674</b>
Iron and steel	11638	1	473	12037	-	-	-	59	4683	7314	36205
Chemical and petrochemical	580	-	6120	2576	-	-	-	30	3739	10389	23434
Non-ferrous metals	-	-	-	-	-	-	-	-	7641	-	7641
Non-metallic minerals	816	-	266	10111	-	-	-	7	1380	1952	14532
Transport equipment	38	1	185	420	-	-	-	2	977	2332	3954
Machinery	82	-	141	917	-	-	-	4	1719	3267	6130
Mining and quarrying	170	-	1302	985	-	-	-	10	2120	1168	5757
Food and tobacco	112	6	301	1005	-	-	-	23	1281	4957	7687
Paper pulp and printing	33	-	154	194	-	-	-	59	1579	3631	5650
Wood and wood products	13	-	72	210	-	-	-	161	317	1088	1860
Construction	45	4	758	767	-	-	-	3	914	890	3382
Textile and leather	6	-	9	58	-	-	-	3	286	560	921
Non-specified	6	1	1051	116	-	-	-	5	145	1198	2521
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>55022</b>	<b>27608</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6984</b>	<b>-</b>	<b>89614</b>
Domestic aviation	-	-	4869	-	-	-	-	-	-	-	4869
Road	-	-	46650	101	-	-	-	-	-	-	46751
Rail	-	-	1789	-	-	-	-	-	3909	-	5698
Pipeline transport	-	-	244	27508	-	-	-	-	2077	-	29829
Domestic navigation	-	-	1053	-	-	-	-	-	-	-	1053
Non-specified	-	-	417	-	-	-	-	-	998	-	1414
<b>OTHER</b>	<b>4557</b>	<b>28</b>	<b>9925</b>	<b>45207</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1929</b>	<b>25251</b>	<b>69755</b>	<b>156652</b>
Residential	1911	-	4484	41670	-	-	-	889	10647	49801	109402
Comm. and publ. services	2550	-	1599	2651	-	-	-	719	13281	17218	38018
Agriculture/forestry	93	13	3039	884	-	-	-	320	1299	2696	8344
Fishing	3	-	804	2	-	-	-	0	23	41	873
Non-specified	-	15	-	-	-	-	-	-	-	-	15
<b>NON-ENERGY USE</b>	<b>172</b>	<b>-</b>	<b>25747</b>	<b>26292</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>52211</b>
in industry/transf./energy	172	-	25747	26292	-	-	-	-	-	-	52211
of which: feedstocks	161	-	19320	26292	-	-	-	-	-	-	45773
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>164112</b>	<b>17</b>	<b>16004</b>	<b>469034</b>	<b>163584</b>	<b>174183</b>	<b>468</b>	<b>2643</b>	<b>-</b>	<b>-</b>	<b>990045</b>
Electricity plants	-	-	1732	5317	163584	174183	468	-	-	-	345284
CHP plants	164112	17	14272	463717	-	-	-	2643	-	-	644761
<b>Heat generated - TJ</b>	<b>1086565</b>	<b>27296</b>	<b>302519</b>	<b>3805801</b>	<b>13730</b>	<b>-</b>	<b>299725</b>	<b>118008</b>	<b>-</b>	<b>-</b>	<b>5653644</b>
CHP plants	662899	216	67351	1744319	13730	-	-	34949	-	-	2523464
Heat plants	423666	27080	235168	2061482	-	-	299725	83059	-	-	3130180



## Saudi Arabia

Figure 1. Energy production

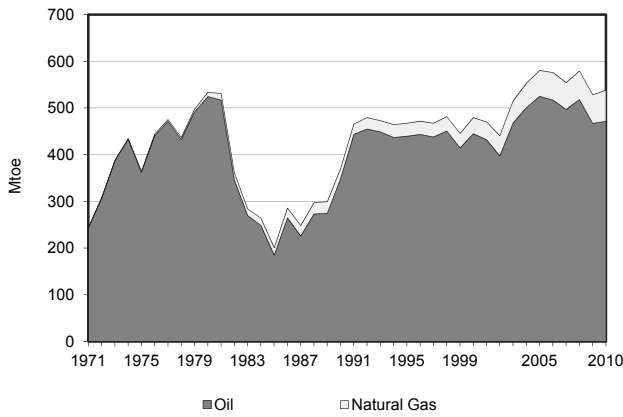


Figure 2. Total primary energy supply\*

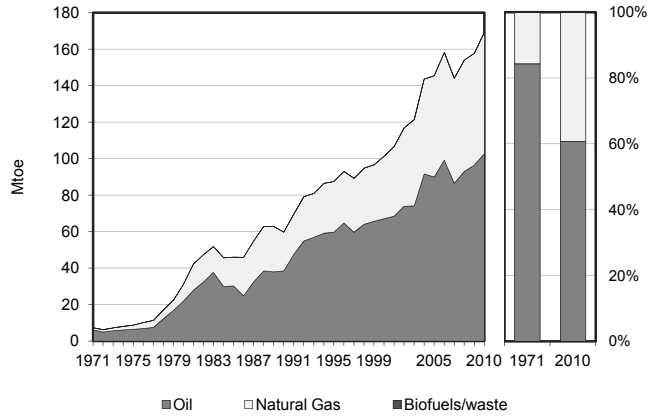


Figure 3. Energy self-sufficiency\*\*

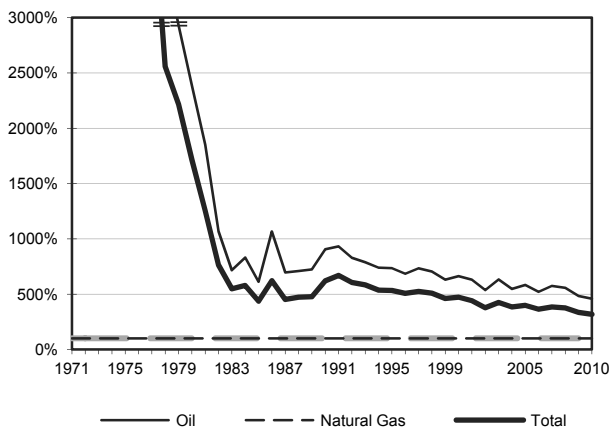


Figure 4. Oil products demand\*\*\*

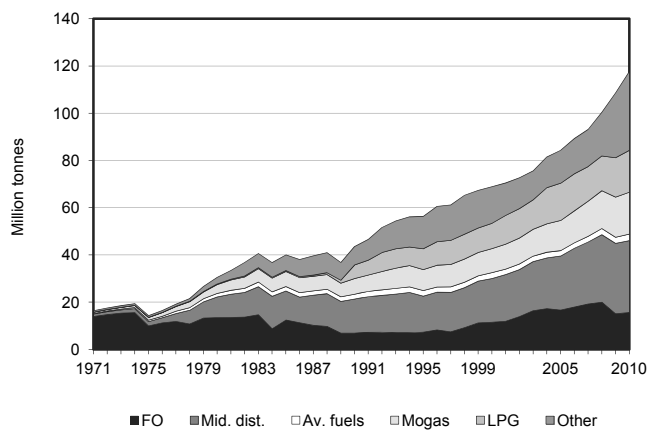


Figure 5. Electricity generation by fuel

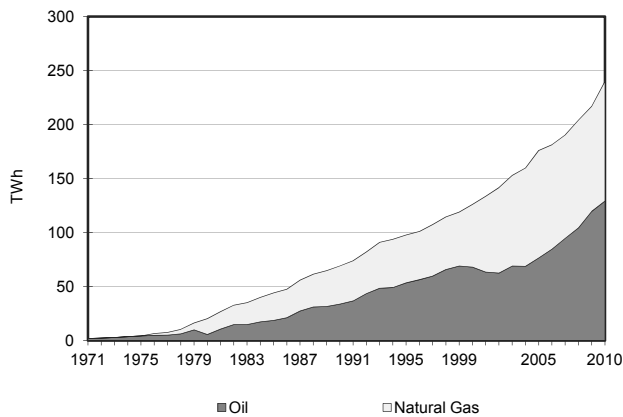
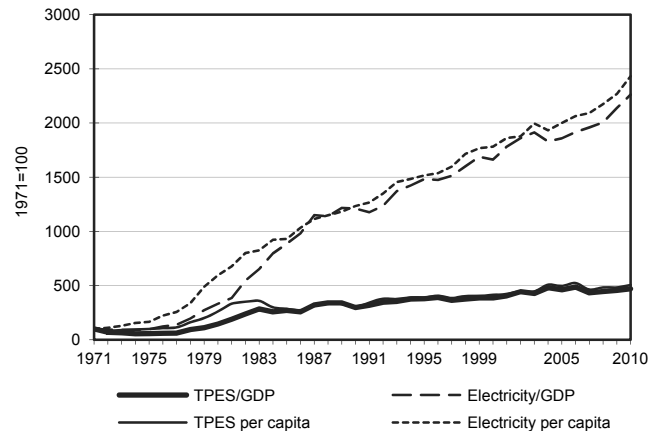


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 3000%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Saudi Arabia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	467030	-	61347	-	-	-	-	-	-	528377
Imports	-	-	10979	-	-	-	-	4	-	-	10984
Exports	-	-318514	-64270	-	-	-	-	-	-	-	-382784
Intl. marine bunkers	-	-	-2494	-	-	-	-	-	-	-	-2494
Intl. aviation bunkers	-	-	-2061	-	-	-	-	-	-	-	-2061
Stock changes	-	3840	1993	-	-	-	-	-	-	-	5834
<b>TPES</b>	-	<b>152356</b>	<b>-55853</b>	<b>61347</b>	-	-	-	<b>4</b>	-	-	<b>157855</b>
Electricity and CHP plants	-	-17147	-15315	-27692	-	-	-	-	18669	-	-41485
Oil refineries	-	-98043	96352	-	-	-	-	-	-	-	-1691
Other transformation*	-	-32166	40140	-20197	-	-	-	-	-2891	-	-15114
<b>TFC</b>	-	<b>5000</b>	<b>65324</b>	<b>13458</b>	-	-	-	<b>4</b>	<b>15778</b>	-	<b>99565</b>
<b>INDUSTRY</b>	-	<b>5000</b>	<b>10365</b>	-	-	-	-	-	<b>2087</b>	-	<b>17452</b>
Iron and steel	-	-	-	-	-	-	-	-	409	-	409
Chemical and petrochemical	-	-	-	-	-	-	-	-	725	-	725
Non-metallic minerals	-	-	-	-	-	-	-	-	51	-	51
Other/non-specified	-	5000	10365	-	-	-	-	-	902	-	16266
<b>TRANSPORT</b>	-	-	<b>33959</b>	-	-	-	-	-	-	-	<b>33959</b>
Domestic aviation	-	-	687	-	-	-	-	-	-	-	687
Road	-	-	33272	-	-	-	-	-	-	-	33272
Other/non-specified	-	-	-0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>1521</b>	-	-	-	-	<b>4</b>	<b>13691</b>	-	<b>15217</b>
Residential	-	-	1521	-	-	-	-	4	8672	-	10197
Comm. and public services	-	-	-	-	-	-	-	-	4551	-	4551
Agriculture/forestry	-	-	-	-	-	-	-	-	435	-	435
Other/non-specified	-	-	-	-	-	-	-	-	33	-	33
<b>NON-ENERGY USE</b>	-	-	<b>19479</b>	<b>13458</b>	-	-	-	-	-	-	<b>32937</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	119797	97285	-	-	-	-	-	-	217082
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	471562	-	66492	-	-	-	-	-	-	538054
Imports	-	-	9689	-	-	-	-	4	-	-	9694
Exports	-	-337907	-63134	-	-	-	-	-	-	-	-401041
Intl. marine bunkers	-	-	-3210	-	-	-	-	-	-	-	-3210
Intl. aviation bunkers	-	-	-2178	-	-	-	-	-	-	-	-2178
Stock changes	-	25368	2612	-	-	-	-	-	-	-	27980
<b>TPES</b>	-	<b>159023</b>	<b>-56221</b>	<b>66492</b>	-	-	-	<b>4</b>	-	-	<b>169298</b>
Electricity and CHP plants	-	-20596	-14153	-30161	-	-	-	-	20646	-	-44264
Oil refineries	-	-97766	96381	-	-	-	-	-	-	-	-1385
Other transformation*	-	-34514	43854	-23822	-	-	-	-	-3811	-	-18294
<b>TFC</b>	-	<b>6146</b>	<b>69861</b>	<b>12509</b>	-	-	-	<b>4</b>	<b>16834</b>	-	<b>105355</b>
<b>INDUSTRY</b>	-	<b>6146</b>	<b>12024</b>	-	-	-	-	-	<b>1853</b>	-	<b>20023</b>
Iron and steel	-	-	-	-	-	-	-	-	448	-	448
Chemical and petrochemical	-	-	-	-	-	-	-	-	889	-	889
Non-metallic minerals	-	-	-	-	-	-	-	-	45	-	45
Other/non-specified	-	6146	12024	-	-	-	-	-	472	-	18642
<b>TRANSPORT</b>	-	-	<b>35260</b>	-	-	-	-	-	-	-	<b>35260</b>
Domestic aviation	-	-	727	-	-	-	-	-	-	-	727
Road	-	-	34534	-	-	-	-	-	-	-	34534
Other/non-specified	-	-	0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>1496</b>	-	-	-	-	<b>4</b>	<b>14981</b>	-	<b>16481</b>
Residential	-	-	1496	-	-	-	-	4	9342	-	10842
Comm. and public services	-	-	-	-	-	-	-	-	5284	-	5284
Agriculture/forestry	-	-	-	-	-	-	-	-	311	-	311
Other/non-specified	-	-	-	-	-	-	-	-	44	-	44
<b>NON-ENERGY USE</b>	-	-	<b>21082</b>	<b>12509</b>	-	-	-	-	-	-	<b>33591</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	129294	110773	-	-	-	-	-	-	240067
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Senegal

Figure 1. Energy production

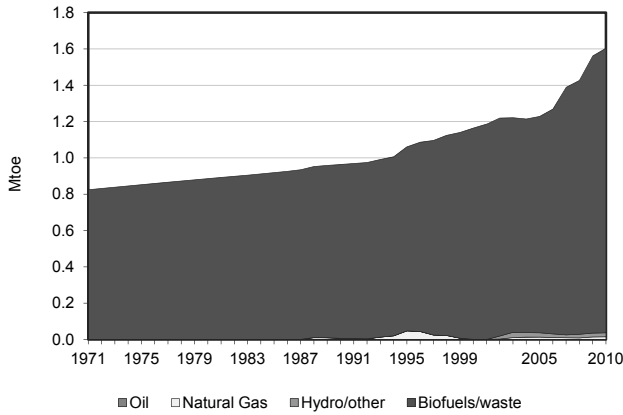


Figure 2. Total primary energy supply\*

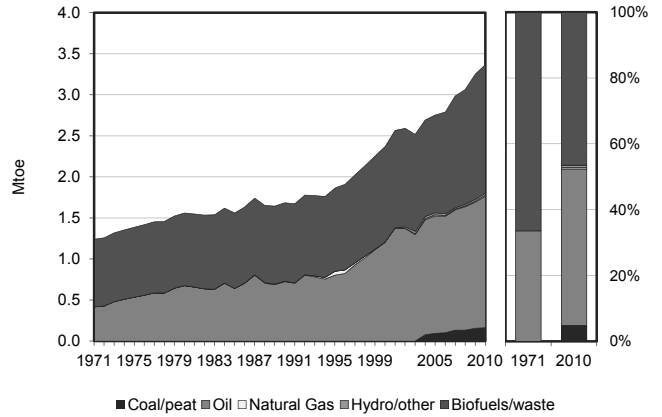


Figure 3. Energy self-sufficiency\*\*

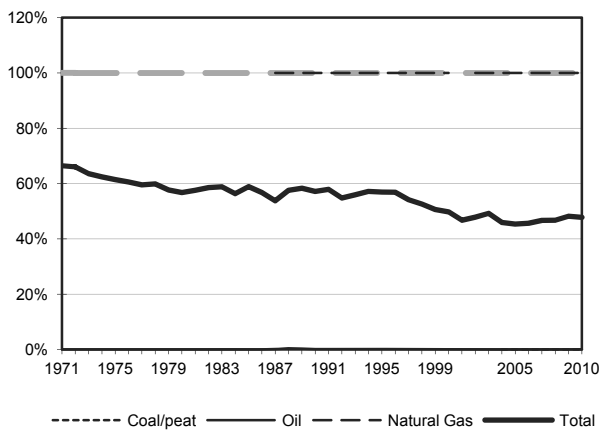


Figure 4. Oil products demand\*\*\*

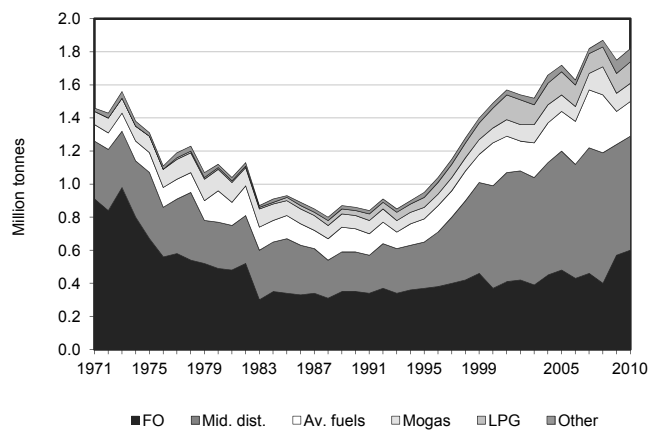


Figure 5. Electricity generation by fuel

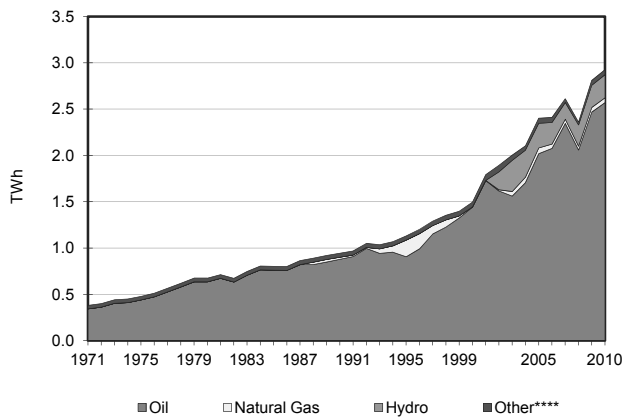
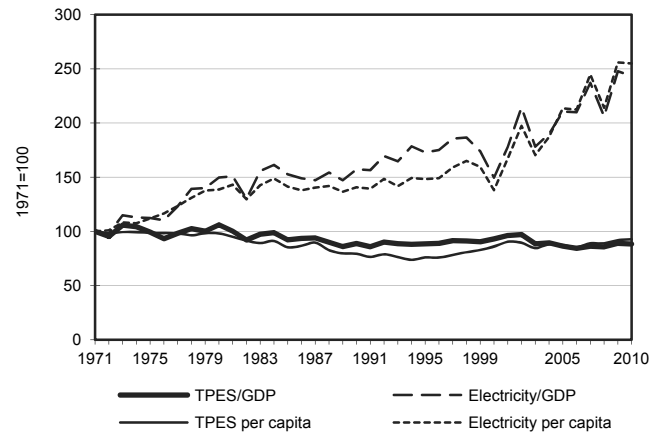


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Senegal

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	15	-	21	0	1526	-	12	1574
Imports	157	667	1084	-	-	-	-	-	-	-	1908
Exports	-	-	-23	-	-	-	-	-	-	-	-23
Intl. marine bunkers	-	-	-62	-	-	-	-	-	-	-	-62
Intl. aviation bunkers	-	-	-211	-	-	-	-	-	-	-	-211
Stock changes	-	91	-8	-	-	-	-	-	-	-	82
<b>TPES</b>	<b>157</b>	<b>757</b>	<b>778</b>	<b>15</b>	<b>-</b>	<b>21</b>	<b>0</b>	<b>1526</b>	<b>-</b>	<b>12</b>	<b>3267</b>
Electricity and CHP plants	-	-	-568	-15	-	-21	-0	-62	246	-12	-431
Oil refineries	-	-757	702	-	-	-	-	-	-	-	-56
Other transformation*	-	-	30	-	-	-	-	-581	-51	-	-602
<b>TFC</b>	<b>157</b>	<b>-</b>	<b>943</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>883</b>	<b>195</b>	<b>-</b>	<b>2178</b>
<b>INDUSTRY</b>	<b>157</b>	<b>-</b>	<b>98</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>49</b>	<b>-</b>	<b>305</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9	-	9
Non-metallic minerals	157	-	-	-	-	-	-	-	24	-	182
Other/non-specified	-	-	98	-	-	-	-	-	16	-	114
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>637</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>637</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	605	-	-	-	-	-	-	-	605
Other/non-specified	-	-	30	-	-	-	-	-	-	-	30
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>144</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>883</b>	<b>146</b>	<b>-</b>	<b>1173</b>
Residential	-	-	140	-	-	-	-	883	73	-	1095
Comm. and public services	-	-	5	-	-	-	-	-	67	-	72
Agriculture/forestry	-	-	-	-	-	-	-	-	6	-	6
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>64</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>64</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2469	50	-	239	3	50	-	47	2858
Heat generated - TJ	-	-	-	-	-	-	-	-	-	513	513

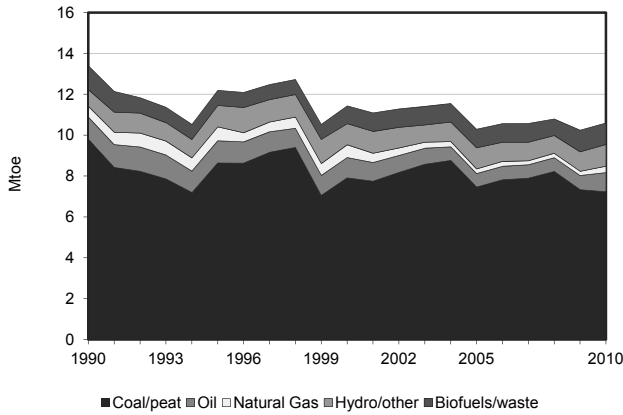
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	15	-	21	0	1567	-	13	1616
Imports	163	789	1130	-	-	-	-	-	-	-	2083
Exports	-	-	-24	-	-	-	-	-	-	-	-24
Intl. marine bunkers	-	-	-66	-	-	-	-	-	-	-	-66
Intl. aviation bunkers	-	-	-219	-	-	-	-	-	-	-	-219
Stock changes	-	-	-8	-	-	-	-	-	-	-	-8
<b>TPES</b>	<b>163</b>	<b>789</b>	<b>813</b>	<b>15</b>	<b>-</b>	<b>21</b>	<b>0</b>	<b>1567</b>	<b>-</b>	<b>13</b>	<b>3382</b>
Electricity and CHP plants	-	-	-583	-15	-	-21	-0	-63	256	-13	-440
Oil refineries	-	-789	732	-	-	-	-	-	-	-	-57
Other transformation*	-	-	19	-	-	-	-	-597	-53	-	-631
<b>TFC</b>	<b>163</b>	<b>-</b>	<b>980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>907</b>	<b>203</b>	<b>-</b>	<b>2253</b>
<b>INDUSTRY</b>	<b>163</b>	<b>-</b>	<b>101</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51</b>	<b>-</b>	<b>316</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	9	-	9
Non-metallic minerals	163	-	-	-	-	-	-	-	25	-	189
Other/non-specified	-	-	101	-	-	-	-	-	17	-	118
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>663</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>663</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	630	-	-	-	-	-	-	-	630
Other/non-specified	-	-	31	-	-	-	-	-	-	-	31
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>150</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>907</b>	<b>152</b>	<b>-</b>	<b>1208</b>
Residential	-	-	145	-	-	-	-	907	76	-	1128
Comm. and public services	-	-	5	-	-	-	-	-	70	-	74
Agriculture/forestry	-	-	-	-	-	-	-	-	6	-	6
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>66</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2572	52	-	249	3	52	-	49	2977
Heat generated - TJ	-	-	-	-	-	-	-	-	-	535	535

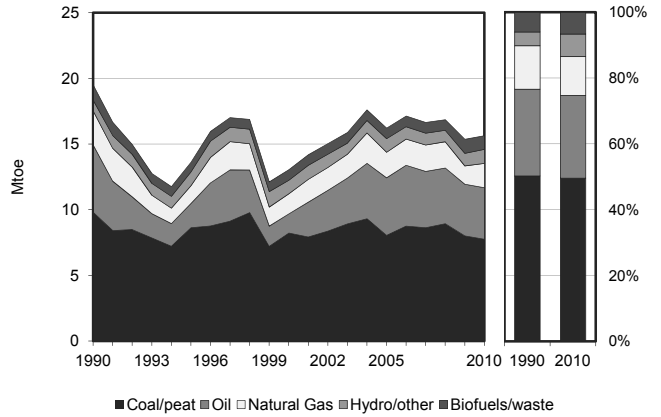
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Serbia

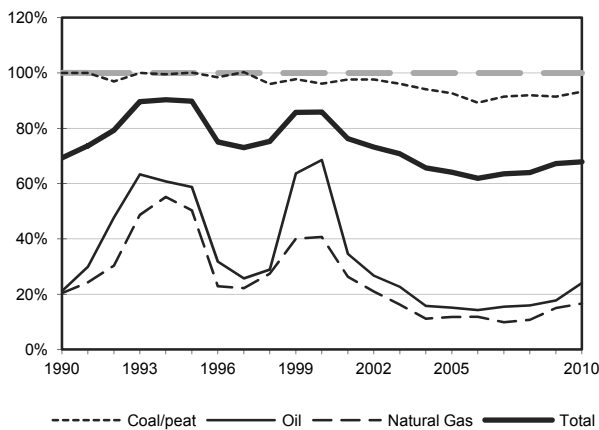
**Figure 1. Energy production**



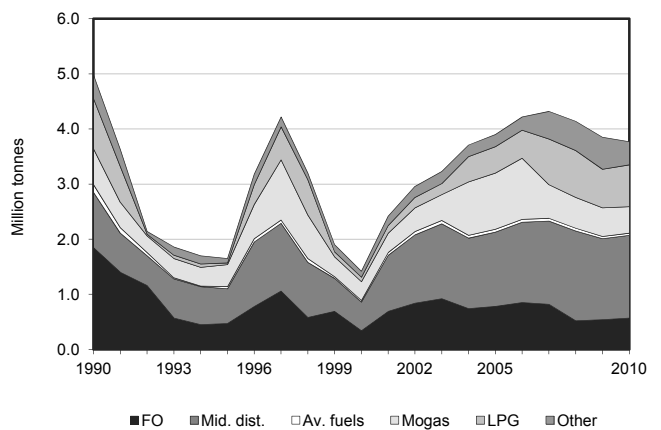
**Figure 2. Total primary energy supply\***



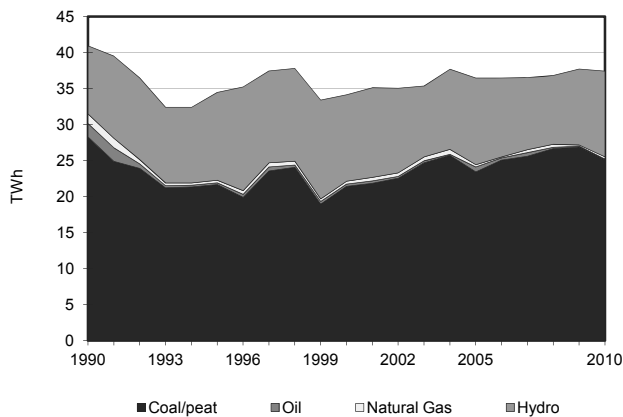
**Figure 3. Energy self-sufficiency\*\***



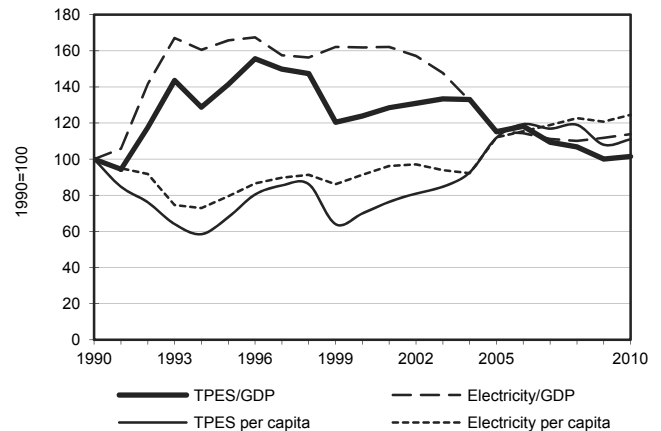
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Serbia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	7331	695	-	209	-	907	46	1059	-	-	10248
Imports	618	2355	1196	1261	-	-	-	1	446	-	5876
Exports	-34	-3	-350	-	-	-	-	-4	-568	-	-960
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-43	-	-	-	-	-	-	-	-43
Stock changes	103	-58	140	-75	-	-	-	13	-	-	122
<b>TPES</b>	<b>8019</b>	<b>2989</b>	<b>943</b>	<b>1395</b>	<b>-</b>	<b>907</b>	<b>46</b>	<b>1068</b>	<b>-123</b>	<b>-</b>	<b>15244</b>
Transfers	-	-42	42	-	-	-	-	-	-	-	1
Statistical differences	-121	-	-	-	-	-	-	-12	-	-	-133
Electricity plants	-6820	-	-17	-27	-	-907	-	-	3227	-	-4543
CHP plants	-	-	-27	-72	-	-	-	-	17	48	-33
Heat plants	-135	-	-486	-369	-	-	-42	-4	-	774	-260
Blast furnaces	-173	-	-	-	-	-	-	-	-	-	-173
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-9	-	-	-	-	-	-	-	-	-	-9
Oil refineries	-	-2970	2962	-	-	-	-	-	-	-	-7
Petrochemical plants	-	22	-24	-	-	-	-	-	-	-	-1
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-192	-42	-	-	-	-	-302	-14	-550
Losses	-45	-	-45	-4	-	-	-0	-0	-514	-70	-678
<b>TFC</b>	<b>715</b>	<b>-</b>	<b>3157</b>	<b>881</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>1053</b>	<b>2306</b>	<b>739</b>	<b>8856</b>
<b>INDUSTRY</b>	<b>311</b>	<b>-</b>	<b>299</b>	<b>493</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>40</b>	<b>582</b>	<b>268</b>	<b>1994</b>
Iron and steel	192	-	59	330	-	-	-	-	56	91	728
Chemical and petrochemical	23	-	20	15	-	-	-	0	54	100	210
Non-ferrous metals	-	-	1	44	-	-	-	-	17	3	65
Non-metallic minerals	15	-	6	39	-	-	-	1	30	2	94
Transport equipment	0	-	8	5	-	-	-	-	128	0	141
Machinery	12	-	29	39	-	-	-	1	47	1	130
Mining and quarrying	2	-	87	-	-	-	-	-	37	-	126
Food and tobacco	40	-	54	15	-	-	-	15	73	47	243
Paper pulp and printing	2	-	6	5	-	-	-	0	81	3	97
Wood and wood products	1	-	2	-	-	-	-	21	2	-	27
Construction	1	-	23	-	-	-	-	0	27	-	51
Textile and leather	9	-	1	-	-	-	-	0	9	1	20
Non-specified	13	-	4	-	-	-	-	0	23	21	60
<b>TRANSPORT</b>	<b>0</b>	<b>-</b>	<b>2172</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>43</b>	<b>-</b>	<b>2219</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1973	1	-	-	-	0	-	-	1974
Rail	0	-	169	-	-	-	-	-	43	-	212
Pipeline transport	-	-	-	2	-	-	-	-	-	-	2
Domestic navigation	-	-	30	-	-	-	-	-	-	-	30
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>381</b>	<b>-</b>	<b>176</b>	<b>306</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>1013</b>	<b>1680</b>	<b>470</b>	<b>4032</b>
Residential	235	-	2	199	-	-	-	994	1239	373	3043
Comm. and publ. services	-	-	89	96	-	-	-	-	415	96	696
Agriculture/forestry	0	-	84	12	-	-	3	1	25	0	125
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	146	-	-	-	-	-	2	19	-	-	167
<b>NON-ENERGY USE</b>	<b>23</b>	<b>-</b>	<b>510</b>	<b>79</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>611</b>
in industry/transf./energy	23	-	495	79	-	-	-	-	-	-	596
of which: feedstocks	-	-	315	79	-	-	-	-	-	-	394
in transport	-	-	15	-	-	-	-	-	-	-	15
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>26902</b>	<b>-</b>	<b>103</b>	<b>173</b>	<b>-</b>	<b>10541</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37719</b>
Electricity plants	26902	-	29	48	-	10541	-	-	-	-	37520
CHP plants	-	-	74	125	-	-	-	-	-	-	199
<b>Heat generated - TJ</b>	<b>4122</b>	<b>-</b>	<b>13204</b>	<b>15248</b>	<b>-</b>	<b>-</b>	<b>1738</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>34429</b>
CHP plants	-	-	433	1584	-	-	-	-	-	-	2017
Heat plants	4122	-	12771	13664	-	-	1738	117	-	-	32412

## Serbia

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	7229	942	-	308	-	1023	48	1045	-	-	10595
Imports	766	2013	1335	1566	-	-	-	1	483	-	6164
Exports	-40	-4	-374	-	-	-	-	-3	-509	-	-931
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-44	-	-	-	-	-	-	-	-44
Stock changes	-202	117	-59	-22	-	-	-	-8	-	-	-174
<b>TPES</b>	<b>7753</b>	<b>3068</b>	<b>857</b>	<b>1853</b>	-	<b>1023</b>	<b>48</b>	<b>1035</b>	<b>-26</b>	-	<b>15611</b>
Transfers	-	-48	49	-	-	-	-	-	-	-	1
Statistical differences	-2	-	13	-	-	-	-	0	-	-	10
Electricity plants	-6311	-	-17	-78	-	-1023	-	-	3184	-	-4245
CHP plants	-113	-	-111	-112	-	-	-	-	35	223	-78
Heat plants	-110	-	-191	-451	-	-	-42	-10	-	723	-82
Blast furnaces	-192	-	-	-	-	-	-	-	-	-	-192
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-88	-	-	-	-	-	-	-	-	-	-88
Oil refineries	-	-3051	2966	-	-	-	-	-	-	-	-85
Petrochemical plants	-	30	-32	-	-	-	-	-	-	-	-2
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-	-	-200	-48	-	-	-	-	-304	-25	-576
Losses	-55	-	-35	-17	-	-	-	-	-518	-69	-694
<b>TFC</b>	<b>882</b>	-	<b>3299</b>	<b>1147</b>	-	-	<b>5</b>	<b>1025</b>	<b>2371</b>	<b>852</b>	<b>9581</b>
<b>INDUSTRY</b>	<b>419</b>	-	<b>363</b>	<b>604</b>	-	-	-	<b>40</b>	<b>627</b>	<b>380</b>	<b>2433</b>
Iron and steel	201	-	80	31	-	-	-	-	63	24	399
Chemical and petrochemical	20	-	20	23	-	-	-	0	79	191	332
Non-ferrous metals	-	-	1	54	-	-	-	-	22	5	82
Non-metallic minerals	108	-	18	305	-	-	-	2	46	3	481
Transport equipment	0	-	-	0	-	-	-	0	12	2	15
Machinery	2	-	4	8	-	-	-	0	55	2	72
Mining and quarrying	4	-	65	129	-	-	-	-	44	-	242
Food and tobacco	57	-	136	47	-	-	-	28	92	81	442
Paper pulp and printing	6	-	11	3	-	-	-	0	18	22	60
Wood and wood products	2	-	1	0	-	-	-	7	6	0	17
Construction	1	-	4	-	-	-	-	0	14	-	20
Textile and leather	4	-	13	1	-	-	-	1	10	3	32
Non-specified	14	-	11	3	-	-	-	1	164	45	238
<b>TRANSPORT</b>	-	-	<b>2174</b>	<b>10</b>	-	-	-	-	<b>19</b>	-	<b>2204</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1869	8	-	-	-	-	-	-	1876
Rail	-	-	281	-	-	-	-	-	19	-	300
Pipeline transport	-	-	-	3	-	-	-	-	-	-	3
Domestic navigation	-	-	25	-	-	-	-	-	-	-	25
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>440</b>	-	<b>192</b>	<b>316</b>	-	-	<b>5</b>	<b>985</b>	<b>1725</b>	<b>472</b>	<b>4135</b>
Residential	232	-	32	215	-	-	-	965	1259	381	3084
Comm. and publ. services	-	-	100	87	-	-	-	-	426	92	705
Agriculture/forestry	2	-	60	15	-	-	3	1	39	-	119
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	206	-	-	-	-	-	3	19	-	-	228
<b>NON-ENERGY USE</b>	<b>23</b>	-	<b>570</b>	<b>216</b>	-	-	-	-	-	-	<b>809</b>
in industry/transf./energy	23	-	555	216	-	-	-	-	-	-	794
of which: feedstocks	-	-	378	216	-	-	-	-	-	-	594
in transport	-	-	15	-	-	-	-	-	-	-	15
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>25094</b>	-	<b>111</b>	<b>327</b>	-	<b>11891</b>	-	-	-	-	<b>37423</b>
Electricity plants	25014	-	30	85	-	11891	-	-	-	-	37020
CHP plants	80	-	81	242	-	-	-	-	-	-	403
<b>Heat generated - TJ</b>	<b>7807</b>	-	<b>11204</b>	<b>18472</b>	-	-	<b>1767</b>	<b>364</b>	-	-	<b>39614</b>
CHP plants	3561	-	3891	1906	-	-	-	-	-	-	9358
Heat plants	4246	-	7313	16566	-	-	1767	364	-	-	30256

## Singapore

Figure 1. Energy production

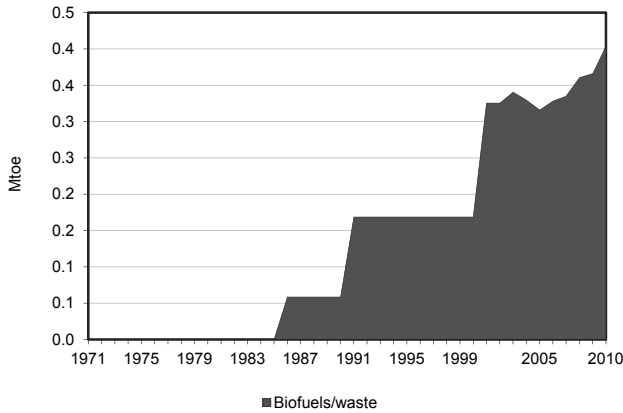


Figure 2. Total primary energy supply\*

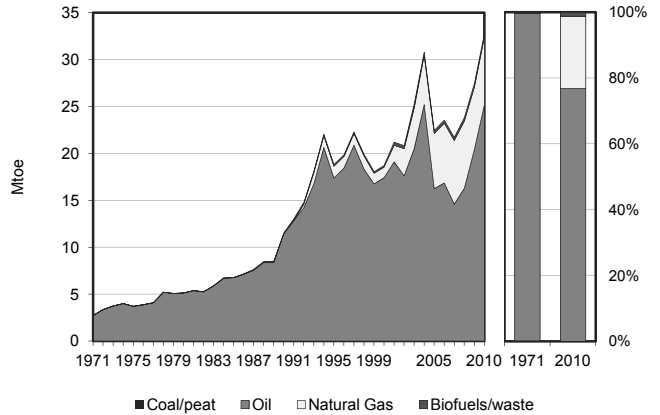


Figure 3. Energy self-sufficiency\*\*

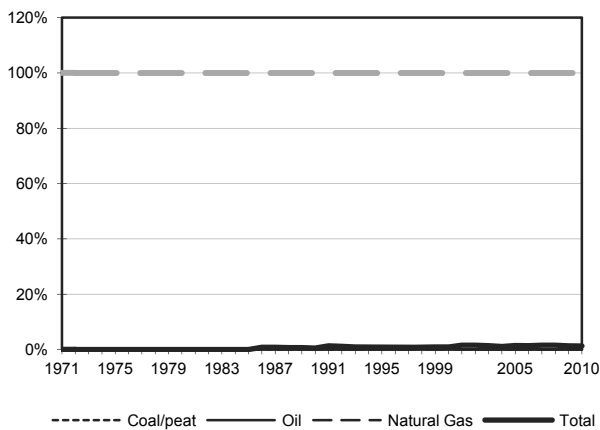


Figure 4. Oil products demand\*\*\*

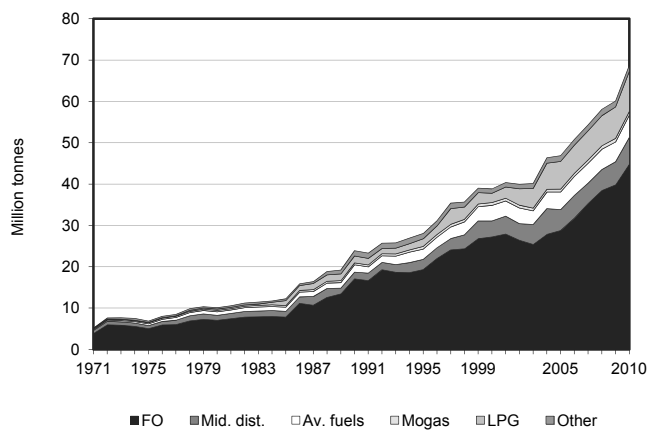


Figure 5. Electricity generation by fuel

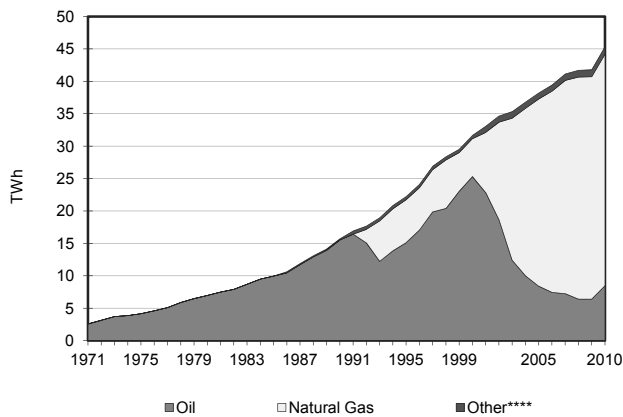
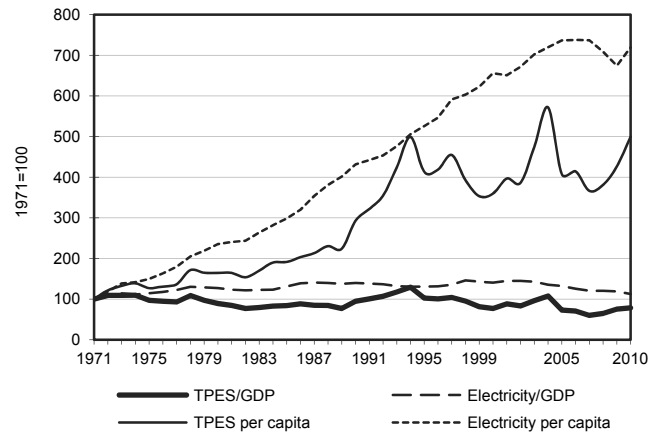


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Singapore

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	366	-	-	366
Imports	4	54993	60536	6658	-	-	-	-	-	-	122191
Exports	-	-5	-53684	-	-	-	-	-	-	-	-53689
Intl. marine bunkers	-	-	-35055	-	-	-	-	-	-	-	-35055
Intl. aviation bunkers	-	-	-5091	-	-	-	-	-	-	-	-5091
Stock changes	-	-	-1244	-	-	-	-	-	-	-	-1244
<b>TPES</b>	<b>4</b>	<b>54988</b>	<b>-34538</b>	<b>6658</b>	-	-	-	<b>366</b>	-	-	<b>27478</b>
Electricity and CHP plants	-	-	-1678	-6022	-	-	-	-366	3595	-	-4471
Oil refineries	-	-54990	54177	-	-	-	-	-	-	-	-813
Other transformation*	-	2	-2040	71	-	-	-	-	-253	-	-2221
<b>TFC</b>	<b>4</b>	-	<b>15921</b>	<b>707</b>	-	-	-	-	<b>3341</b>	-	<b>19973</b>
<b>INDUSTRY</b>	<b>4</b>	-	<b>4503</b>	<b>565</b>	-	-	-	-	<b>1136</b>	-	<b>6208</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	4	-	4503	565	-	-	-	-	1136	-	6208
<b>TRANSPORT</b>	-	-	<b>2605</b>	<b>11</b>	-	-	-	-	<b>139</b>	-	<b>2755</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2605	-	-	-	-	-	-	-	2605
Other/non-specified	-	-	-	11	-	-	-	-	139	-	150
<b>OTHER</b>	-	-	<b>26</b>	<b>131</b>	-	-	-	-	<b>2067</b>	-	<b>2223</b>
Residential	-	-	26	49	-	-	-	-	558	-	632
Comm. and public services	-	-	-	61	-	-	-	-	1265	-	1327
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	21	-	-	-	-	244	-	265
<b>NON-ENERGY USE</b>	-	-	<b>8787</b>	-	-	-	-	-	-	-	<b>8787</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6417	34318	-	-	-	1064	-	-	41799
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	-	-	404	-	-	404
Imports	7	58005	69311	7198	-	-	-	-	-	-	134521
Exports	-	-1	-56753	-	-	-	-	-	-	-	-56754
Intl. marine bunkers	-	-	-39344	-	-	-	-	-	-	-	-39344
Intl. aviation bunkers	-	-	-5742	-	-	-	-	-	-	-	-5742
Stock changes	-	-	-311	-	-	-	-	-	-	-	-311
<b>TPES</b>	<b>7</b>	<b>58004</b>	<b>-32839</b>	<b>7198</b>	-	-	-	<b>404</b>	-	-	<b>32774</b>
Electricity and CHP plants	-	-	-2217	-6265	-	-	-	-404	3902	-	-4984
Oil refineries	-	-58005	56228	-	-	-	-	-	-	-	-1777
Other transformation*	-	1	-2015	-	-	-	-	-	-275	-	-2289
<b>TFC</b>	<b>7</b>	-	<b>19157</b>	<b>933</b>	-	-	-	-	<b>3627</b>	-	<b>23724</b>
<b>INDUSTRY</b>	<b>7</b>	-	<b>5445</b>	<b>801</b>	-	-	-	-	<b>1233</b>	-	<b>7486</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	7	-	5445	801	-	-	-	-	1233	-	7486
<b>TRANSPORT</b>	-	-	<b>2665</b>	<b>13</b>	-	-	-	-	<b>151</b>	-	<b>2829</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2665	-	-	-	-	-	-	-	2665
Other/non-specified	-	-	-	13	-	-	-	-	151	-	164
<b>OTHER</b>	-	-	<b>23</b>	<b>119</b>	-	-	-	-	<b>2243</b>	-	<b>2384</b>
Residential	-	-	23	49	-	-	-	-	605	-	676
Comm. and public services	-	-	-	52	-	-	-	-	1374	-	1426
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	18	-	-	-	-	264	-	282
<b>NON-ENERGY USE</b>	-	-	<b>11025</b>	-	-	-	-	-	-	-	<b>11025</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	8490	35705	-	-	-	1174	-	-	45369
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## South Africa

Figure 1. Energy production

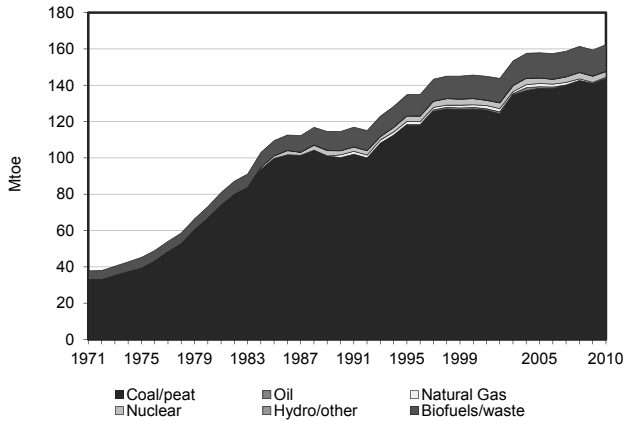


Figure 2. Total primary energy supply\*

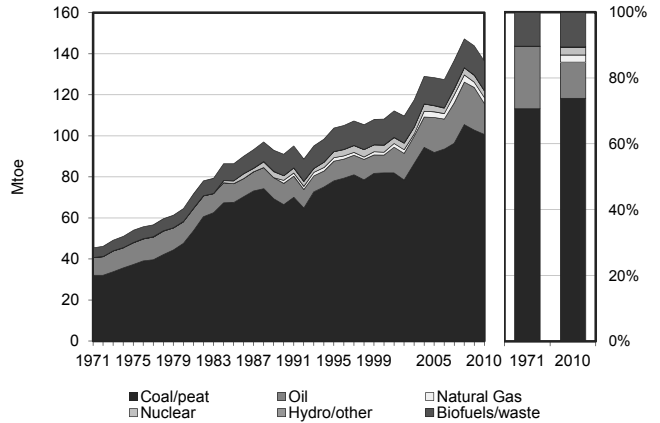


Figure 3. Energy self-sufficiency\*\*

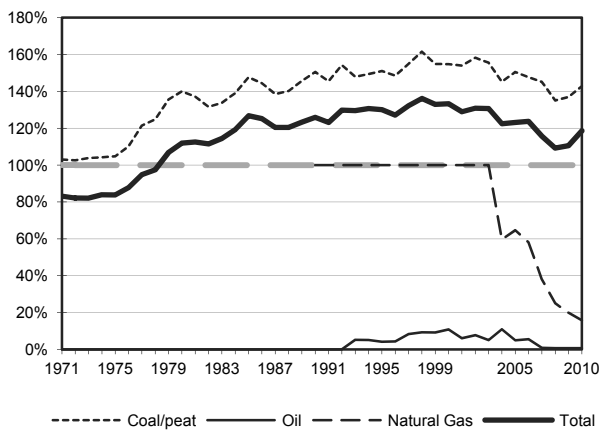


Figure 4. Oil products demand\*\*\*

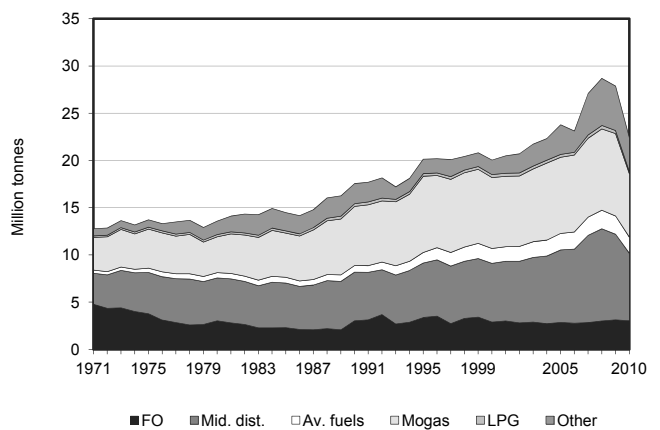


Figure 5. Electricity generation by fuel

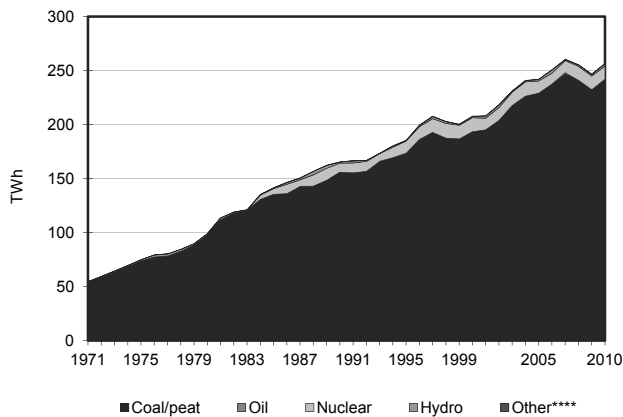
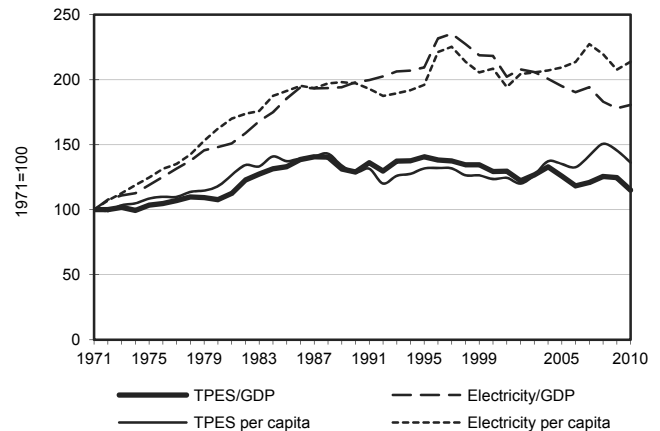


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## South Africa

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	140908	150	-	514	3337	125	64	14429	-	-	159527
Imports	1463	24234	8271	2066	-	-	-	-	1566	-	37599
Exports	-34796	-15	-3053	-	-	-	-	-266	-1149	-	-39279
Intl. marine bunkers	-	-	-2647	-	-	-	-	-	-	-	-2647
Intl. aviation bunkers	-	-	-835	-	-	-	-	-	-	-	-835
Stock changes	-4722	-5366	-	-	-	-	-	-	-	-	-10088
<b>TPES</b>	<b>102852</b>	<b>19004</b>	<b>1736</b>	<b>2580</b>	<b>3337</b>	<b>125</b>	<b>64</b>	<b>14162</b>	<b>417</b>	-	<b>144278</b>
Transfers	-	-3867	4096	-	-	-	-	-	-	-	228
Statistical differences	-2736	-	-55	-	-	-	-	-	-	-	-2791
Electricity plants	-57578	-	-12	-	-3337	-125	-5	-95	21226	-	-39927
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-527	-	-	-	-	-	-	-	-	-	-527
Gas works	-4775	-	-	-	-	-	-	-	-	-	-4775
Coke/pat.fuel/BKB plants	-1042	-	-	-	-	-	-	-	-	-	-1042
Oil refineries	-	-19004	19312	-	-	-	-	-	-	-	308
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-17182	3867	-	-2580	-	-	-	-	-	-	-15895
Other transformation	-	-	-	-	-	-	-	-3696	-	-	-3696
Energy industry own use	-	-	-1127	-	-	-	-	-	-1932	-	-3059
Losses	-	-	-	-	-	-	-	-	-2088	-	-2088
<b>TFC</b>	<b>19012</b>	-	<b>23950</b>	-	-	-	<b>60</b>	<b>10371</b>	<b>17622</b>	-	<b>71015</b>
<b>INDUSTRY</b>	<b>10283</b>	-	<b>1042</b>	-	-	-	-	<b>1797</b>	<b>9826</b>	-	<b>22948</b>
Iron and steel	3259	-	-	-	-	-	-	-	330	-	3589
Chemical and petrochemical	978	-	-	-	-	-	-	-	871	-	1850
Non-ferrous metals	-	-	-	-	-	-	-	-	1499	-	1499
Non-metallic minerals	2266	-	-	-	-	-	-	-	226	-	2492
Transport equipment	-	-	-	-	-	-	-	-	4	-	4
Machinery	39	-	-	-	-	-	-	-	4	-	42
Mining and quarrying	1267	-	714	-	-	-	-	-	2405	-	4387
Food and tobacco	23	-	-	-	-	-	-	-	66	-	89
Paper pulp and printing	52	-	-	-	-	-	-	-	138	-	190
Wood and wood products	-	-	-	-	-	-	-	-	24	-	24
Construction	-	-	328	-	-	-	-	-	8	-	336
Textile and leather	-	-	-	-	-	-	-	-	65	-	65
Non-specified	2399	-	-	-	-	-	-	1797	4187	-	8383
<b>TRANSPORT</b>	-	-	<b>16817</b>	-	-	-	-	-	<b>304</b>	-	<b>17122</b>
Domestic aviation	-	-	1059	-	-	-	-	-	-	-	1059
Road	-	-	15642	-	-	-	-	-	2	-	15644
Rail	-	-	117	-	-	-	-	-	249	-	366
Pipeline transport	-	-	-	-	-	-	-	-	9	-	9
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	44	-	44
<b>OTHER</b>	<b>7490</b>	-	<b>2499</b>	-	-	-	<b>60</b>	<b>8574</b>	<b>7492</b>	-	<b>26115</b>
Residential	4844	-	523	-	-	-	-	8574	3460	-	17401
Comm. and publ. services	2443	-	914	-	-	-	-	-	2515	-	5872
Agriculture/forestry	16	-	1062	-	-	-	-	-	509	-	1587
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	187	-	-	-	-	-	60	-	1008	-	1254
<b>NON-ENERGY USE</b>	<b>1239</b>	-	<b>3592</b>	-	-	-	-	-	-	-	<b>4831</b>
in industry/transf./energy	1239	-	3592	-	-	-	-	-	-	-	4831
of which: feedstocks	1239	-	-	-	-	-	-	-	-	-	1239
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>232178</b>	-	<b>49</b>	-	<b>12806</b>	<b>1452</b>	<b>53</b>	<b>277</b>	-	-	<b>246815</b>
Electricity plants	232178	-	49	-	12806	1452	53	277	-	-	246815
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## South Africa

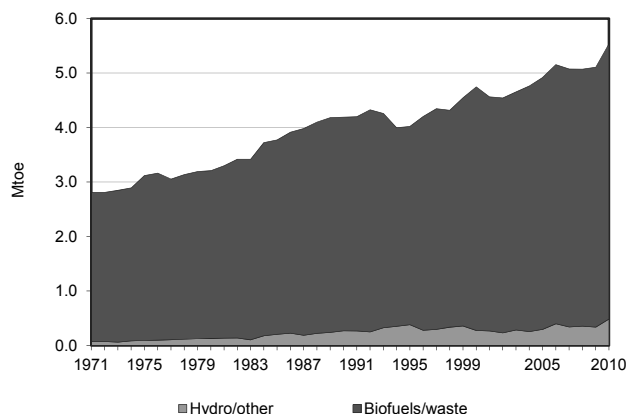
2010

Thousand tonnes of oil equivalent

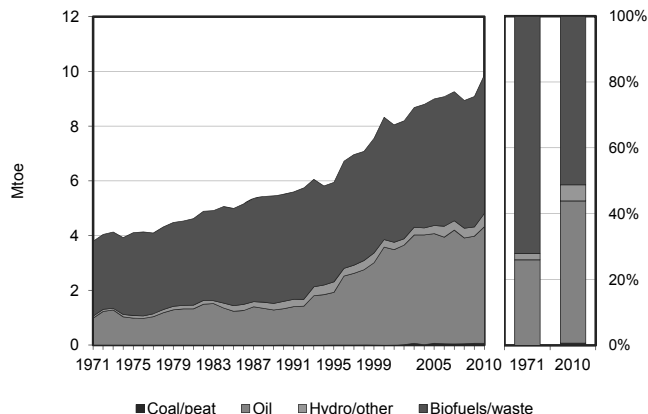
<b>SUPPLY AND CONSUMPTION</b>	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	143816	100	-	466	3153	184	71	14625	-	-	162415
Imports	1364	18635	7774	2483	-	-	-	-	1621	-	31877
Exports	-44452	-	-3029	-	-	-	-	-270	-1195	-	-48946
Intl. marine bunkers	-	-	-2722	-	-	-	-	-	-	-	-2722
Intl. aviation bunkers	-	-	-862	-	-	-	-	-	-	-	-862
Stock changes	-	-4894	-	-	-	-	-	-	-	-	-4894
<b>TPES</b>	<b>100728</b>	<b>13841</b>	<b>1162</b>	<b>2948</b>	<b>3153</b>	<b>184</b>	<b>71</b>	<b>14355</b>	<b>426</b>	<b>-</b>	<b>136867</b>
Transfers	-	-3867	4096	-	-	-	-	-	-	-	229
Statistical differences	-3660	-	-210	-	-	-	-	-	-	-	-3870
Electricity plants	-61225	-	-48	-	-3153	-184	-5	-97	22072	-	-42640
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-536	-	-	-	-	-	-	-	-	-	-536
Gas works	-4862	-	-	-	-	-	-	-	-	-	-4862
Coke/pat.fuel/BKB plants	-1061	-	-	-	-	-	-	-	-	-	-1061
Oil refineries	-	-13841	14314	-	-	-	-	-	-	-	474
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-15412	3867	-	-2948	-	-	-	-	-	-	-14493
Other transformation	-	-	-	-	-	-	-	-3746	-	-	-3746
Energy industry own use	-	-	-821	-	-	-	-	-	-2000	-	-2821
Losses	-	-	-	-	-	-	-	-	-2104	-	-2104
<b>TFC</b>	<b>13971</b>	<b>-</b>	<b>18493</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>10512</b>	<b>18393</b>	<b>-</b>	<b>61435</b>
<b>INDUSTRY</b>	<b>9389</b>	<b>-</b>	<b>800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1821</b>	<b>10115</b>	<b>-</b>	<b>22126</b>
Iron and steel	4693	-	-	-	-	-	-	-	349	-	5041
Chemical and petrochemical	996	-	-	-	-	-	-	-	896	-	1892
Non-ferrous metals	-	-	-	-	-	-	-	-	1541	-	1541
Non-metallic minerals	935	-	-	-	-	-	-	-	232	-	1167
Transport equipment	-	-	-	-	-	-	-	-	4	-	4
Machinery	39	-	-	-	-	-	-	-	4	-	43
Mining and quarrying	185	-	547	-	-	-	-	-	2474	-	3205
Food and tobacco	24	-	-	-	-	-	-	-	68	-	91
Paper pulp and printing	53	-	-	-	-	-	-	-	142	-	195
Wood and wood products	-	-	-	-	-	-	-	-	24	-	24
Construction	-	-	253	-	-	-	-	-	8	-	261
Textile and leather	-	-	-	-	-	-	-	-	67	-	67
Non-specified	2466	-	-	-	-	-	-	1821	4306	-	8593
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>12914</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>313</b>	<b>-</b>	<b>13227</b>
Domestic aviation	-	-	814	-	-	-	-	-	-	-	814
Road	-	-	12010	-	-	-	-	-	2	-	12012
Rail	-	-	89	-	-	-	-	-	257	-	346
Pipeline transport	-	-	-	-	-	-	-	-	9	-	9
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	46	-	46
<b>OTHER</b>	<b>3357</b>	<b>-</b>	<b>2017</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>8691</b>	<b>7966</b>	<b>-</b>	<b>22096</b>
Residential	1949	-	501	-	-	-	-	8691	3598	-	14739
Comm. and publ. services	997	-	703	-	-	-	-	-	2615	-	4315
Agriculture/forestry	43	-	813	-	-	-	-	-	530	-	1386
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	368	-	-	-	-	-	66	-	1222	-	1656
<b>NON-ENERGY USE</b>	<b>1224</b>	<b>-</b>	<b>2762</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3987</b>
in industry/transf./energy	1224	-	2762	-	-	-	-	-	-	-	3987
of which: feedstocks	1224	-	-	-	-	-	-	-	-	-	1224
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>241880</b>	<b>-</b>	<b>197</b>	<b>-</b>	<b>12099</b>	<b>2138</b>	<b>53</b>	<b>281</b>	<b>-</b>	<b>-</b>	<b>256648</b>
Electricity plants	241880	-	197	-	12099	2138	53	281	-	-	256648
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Sri Lanka

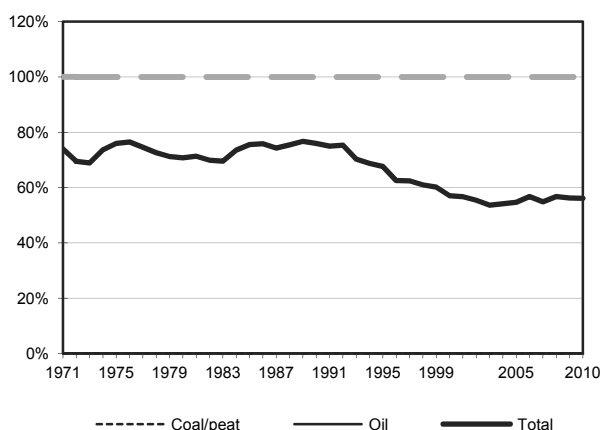
**Figure 1. Energy production**



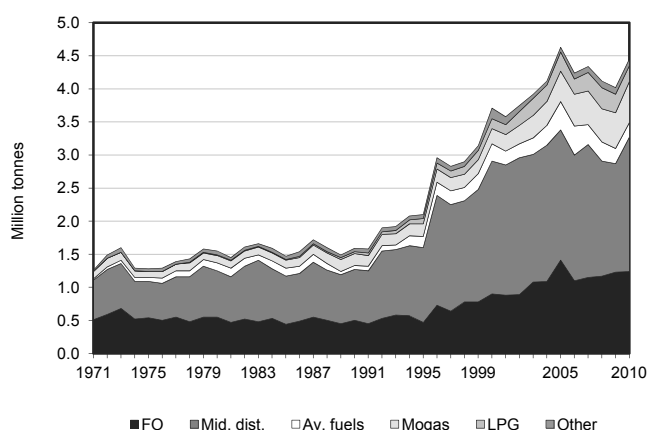
**Figure 2. Total primary energy supply\***



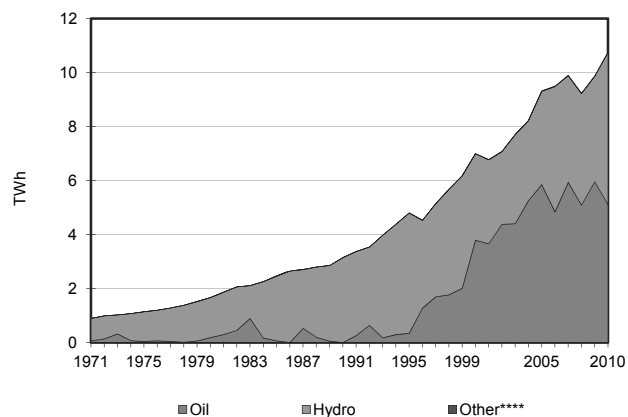
**Figure 3. Energy self-sufficiency\*\***



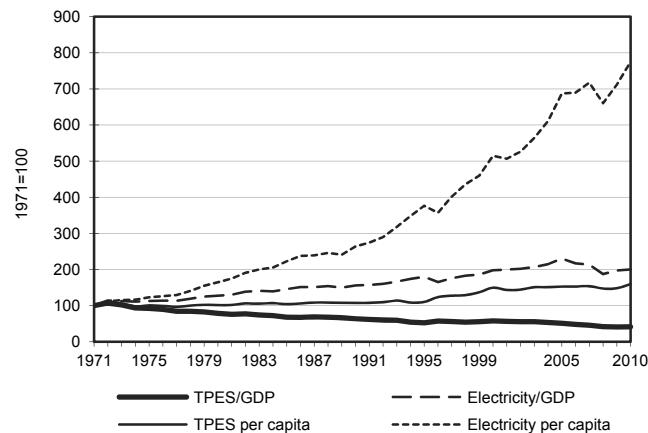
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.



## Sri Lanka

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	336	2	4770	-	-	5108
Imports	70	1990	1854	-	-	-	-	-	-	-	3914
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-181	-	-	-	-	-	-	-	-181
Intl. aviation bunkers	-	-	-94	-	-	-	-	-	-	-	-94
Stock changes	-4	191	156	-	-	-	-	-	-	-	342
<b>TPES</b>	<b>66</b>	<b>2181</b>	<b>1735</b>	-	-	<b>336</b>	<b>2</b>	<b>4770</b>	-	-	<b>9089</b>
Electricity and CHP plants	-	-	-1351	-	-	-336	-2	-	850	-	-838
Oil refineries	-	-2066	1960	-	-	-	-	-	-	-	-106
Other transformation*	-1	-114	161	-	-	-	-	5	-220	-	-169
<b>TFC</b>	<b>65</b>	-	<b>2505</b>	-	-	-	-	<b>4775</b>	<b>630</b>	-	<b>7975</b>
<b>INDUSTRY</b>	<b>65</b>	-	<b>248</b>	-	-	-	-	<b>1404</b>	<b>217</b>	-	<b>1933</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	65	-	-	-	-	-	-	-	-	-	65
Other/non-specified	-	-	248	-	-	-	-	1404	217	-	1868
<b>TRANSPORT</b>	-	-	<b>1858</b>	-	-	-	-	-	-	-	<b>1858</b>
Domestic aviation	-	-	147	-	-	-	-	-	-	-	147
Road	-	-	1687	-	-	-	-	-	-	-	1687
Other/non-specified	-	-	24	-	-	-	-	-	-	-	24
<b>OTHER</b>	-	-	<b>321</b>	-	-	-	-	<b>3372</b>	<b>413</b>	-	<b>4105</b>
Residential	-	-	114	-	-	-	-	3231	252	-	3597
Comm. and public services	-	-	27	-	-	-	-	141	161	-	328
Agriculture/forestry	-	-	8	-	-	-	-	-	-	-	8
Other/non-specified	-	-	172	-	-	-	-	-	-	-	172
<b>NON-ENERGY USE</b>	-	-	<b>78</b>	-	-	-	-	-	-	-	<b>78</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5958	-	-	3904	20	-	-	-	9882
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	485	2	5053	-	-	5540
Imports	76	1874	2155	-	-	-	-	-	-	-	4105
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-191	-	-	-	-	-	-	-	-191
Intl. aviation bunkers	-	-	-117	-	-	-	-	-	-	-	-117
Stock changes	-8	38	503	-	-	-	-	-	-	-	533
<b>TPES</b>	<b>68</b>	<b>1912</b>	<b>2351</b>	-	-	<b>485</b>	<b>2</b>	<b>5053</b>	-	-	<b>9870</b>
Electricity and CHP plants	-	-	-1289	-	-	-485	-2	-	926	-	-849
Oil refineries	-	-1806	1727	-	-	-	-	-	-	-	-79
Other transformation*	-1	-106	207	-	-	-	-	18	-134	-	-16
<b>TFC</b>	<b>67</b>	-	<b>2996</b>	-	-	-	-	<b>5071</b>	<b>792</b>	-	<b>8926</b>
<b>INDUSTRY</b>	<b>67</b>	-	<b>244</b>	-	-	-	-	<b>1656</b>	<b>271</b>	-	<b>2237</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	67	-	-	-	-	-	-	-	-	-	67
Other/non-specified	-	-	244	-	-	-	-	1656	271	-	2170
<b>TRANSPORT</b>	-	-	<b>2307</b>	-	-	-	-	-	-	-	<b>2307</b>
Domestic aviation	-	-	117	-	-	-	-	-	-	-	117
Road	-	-	2171	-	-	-	-	-	-	-	2171
Other/non-specified	-	-	20	-	-	-	-	-	-	-	20
<b>OTHER</b>	-	-	<b>367</b>	-	-	-	-	<b>3415</b>	<b>521</b>	-	<b>4303</b>
Residential	-	-	138	-	-	-	-	3266	318	-	3721
Comm. and public services	-	-	32	-	-	-	-	150	203	-	385
Agriculture/forestry	-	-	10	-	-	-	-	-	-	-	10
Other/non-specified	-	-	187	-	-	-	-	-	-	-	187
<b>NON-ENERGY USE</b>	-	-	<b>78</b>	-	-	-	-	-	-	-	<b>78</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5110	-	-	5634	20	-	-	-	10764
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Sudan

Figure 1. Energy production

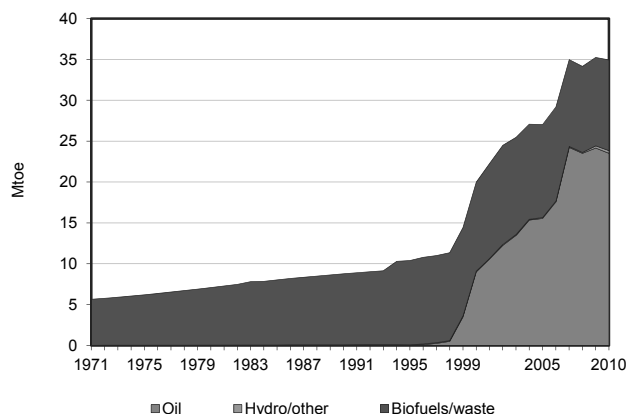


Figure 2. Total primary energy supply\*

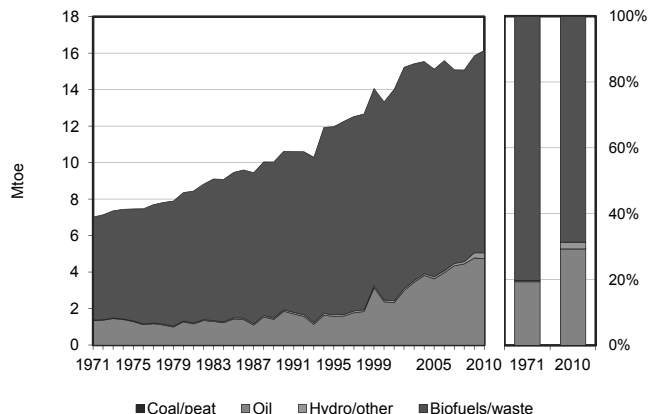


Figure 3. Energy self-sufficiency\*\*

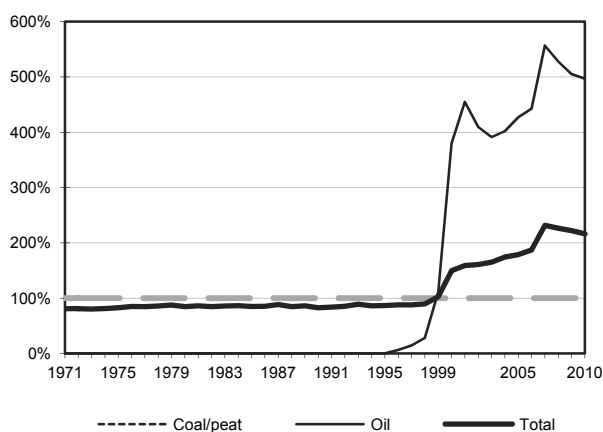


Figure 4. Oil products demand\*\*\*

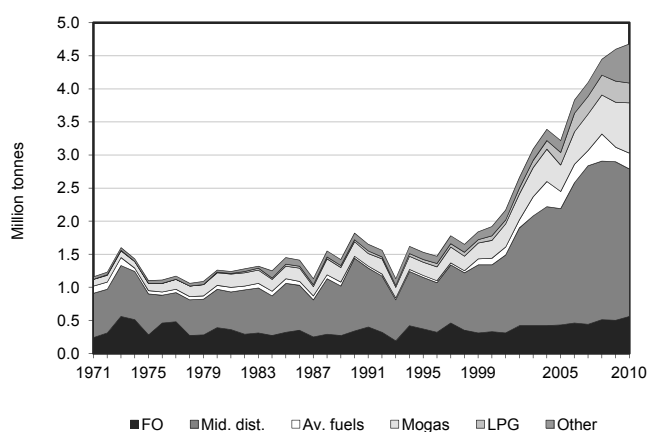


Figure 5. Electricity generation by fuel

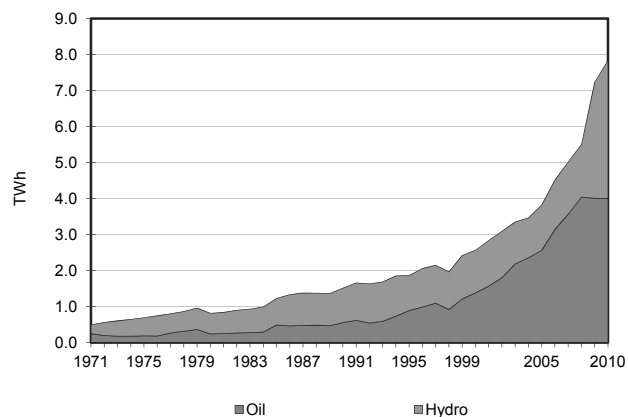
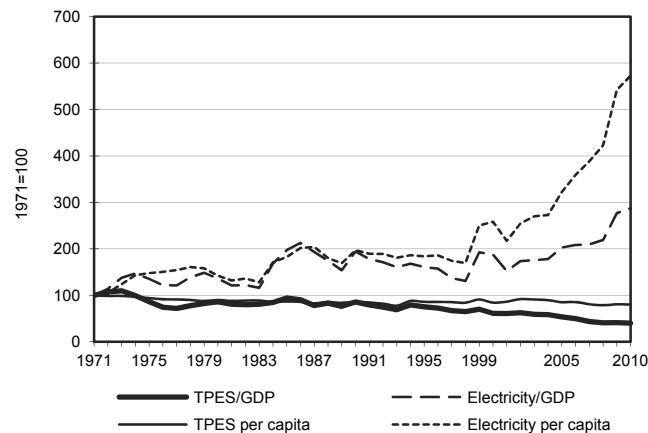


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Sudan

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	24165	-	-	-	278	-	10808	-	-	35251
Imports	-	-	696	-	-	-	-	-	-	-	696
Exports	-	-18869	-658	-	-	-	-	-	-	-	-19527
Intl. marine bunkers	-	-	-19	-	-	-	-	-	-	-	-19
Intl. aviation bunkers	-	-	-233	-	-	-	-	-	-	-	-233
Stock changes	-	-	-300	-	-	-	-	-	-	-	-300
<b>TPES</b>	-	<b>5297</b>	<b>-514</b>	-	-	<b>278</b>	-	<b>10808</b>	-	-	<b>15869</b>
Electricity and CHP plants	-	-	-854	-	-	-278	-	-	623	-	-509
Oil refineries	-	-5180	4948	-	-	-	-	-	-	-	-232
Other transformation*	-	-117	-167	-	-	-	-	-4285	-138	-	-4707
<b>TFC</b>	-	-	<b>3413</b>	-	-	-	-	<b>6524</b>	<b>485</b>	-	<b>10421</b>
<b>INDUSTRY</b>	-	-	<b>364</b>	-	-	-	-	<b>796</b>	<b>62</b>	-	<b>1222</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	24	-	-	-	-	-	-	-	24
Other/non-specified	-	-	340	-	-	-	-	796	62	-	1197
<b>TRANSPORT</b>	-	-	<b>2275</b>	-	-	-	-	-	-	-	<b>2275</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2258	-	-	-	-	-	-	-	2258
Other/non-specified	-	-	17	-	-	-	-	-	-	-	17
<b>OTHER</b>	-	-	<b>551</b>	-	-	-	-	<b>5728</b>	<b>423</b>	-	<b>6702</b>
Residential	-	-	309	-	-	-	-	4415	250	-	4974
Comm. and public services	-	-	28	-	-	-	-	1313	154	-	1495
Agriculture/forestry	-	-	139	-	-	-	-	-	19	-	158
Other/non-specified	-	-	75	-	-	-	-	-	-	-	75
<b>NON-ENERGY USE</b>	-	-	<b>223</b>	-	-	-	-	-	-	-	<b>223</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	4011	-	-	3228	-	-	-	-	7239
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	23520	-	-	-	330	-	11091	-	-	34942
Imports	-	-	826	-	-	-	-	-	-	-	826
Exports	-	-17514	-507	-	-	-	-	-	-	-	-18021
Intl. marine bunkers	-	-	-20	-	-	-	-	-	-	-	-20
Intl. aviation bunkers	-	-	-251	-	-	-	-	-	-	-	-251
Stock changes	-	-	-1321	-	-	-	-	-	-	-	-1321
<b>TPES</b>	-	<b>6006</b>	<b>-1273</b>	-	-	<b>330</b>	-	<b>11091</b>	-	-	<b>16155</b>
Electricity and CHP plants	-	-	-860	-	-	-330	-	-	674	-	-516
Oil refineries	-	-6006	5747	-	-	-	-	-	-	-	-259
Other transformation*	-	-	-163	-	-	-	-	-4396	-150	-	-4708
<b>TFC</b>	-	-	<b>3451</b>	-	-	-	-	<b>6695</b>	<b>525</b>	-	<b>10672</b>
<b>INDUSTRY</b>	-	-	<b>447</b>	-	-	-	-	<b>822</b>	<b>67</b>	-	<b>1336</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	26	-	-	-	-	-	-	-	26
Other/non-specified	-	-	420	-	-	-	-	822	67	-	1310
<b>TRANSPORT</b>	-	-	<b>2257</b>	-	-	-	-	-	-	-	<b>2257</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2242	-	-	-	-	-	-	-	2242
Other/non-specified	-	-	16	-	-	-	-	-	-	-	16
<b>OTHER</b>	-	-	<b>518</b>	-	-	-	-	<b>5873</b>	<b>458</b>	-	<b>6849</b>
Residential	-	-	291	-	-	-	-	4527	271	-	5089
Comm. and public services	-	-	27	-	-	-	-	1346	166	-	1540
Agriculture/forestry	-	-	128	-	-	-	-	-	20	-	149
Other/non-specified	-	-	72	-	-	-	-	-	-	-	72
<b>NON-ENERGY USE</b>	-	-	<b>230</b>	-	-	-	-	-	-	-	<b>230</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	4000	-	-	3842	-	-	-	-	7842
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

### Syrian Arab Republic

Figure 1. Energy production

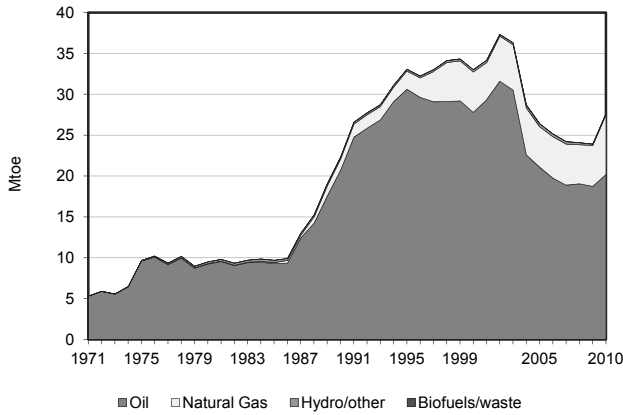


Figure 2. Total primary energy supply\*

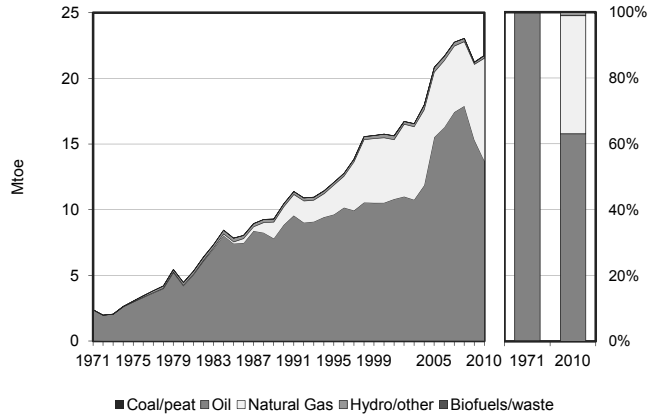


Figure 3. Energy self-sufficiency\*\*

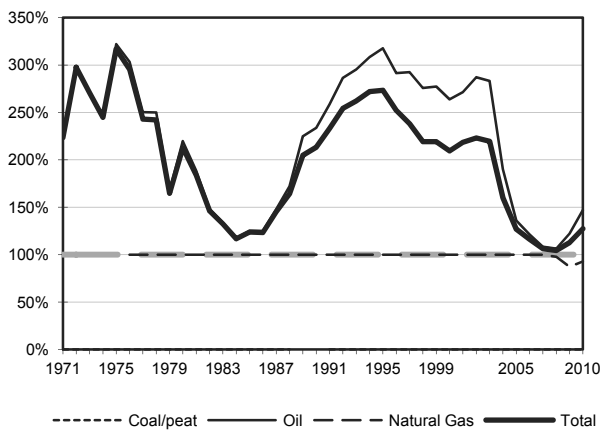


Figure 4. Oil products demand\*\*\*

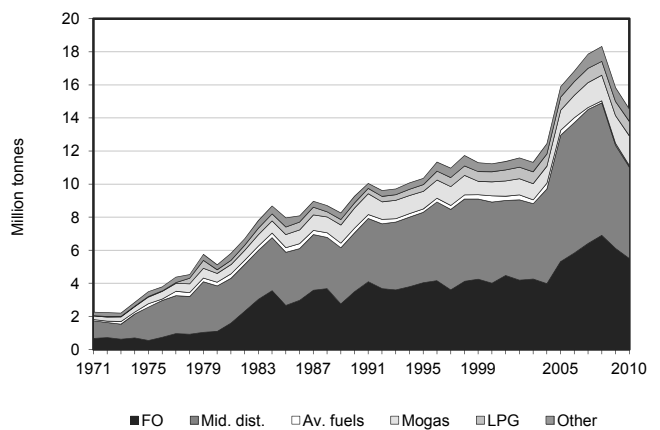


Figure 5. Electricity generation by fuel

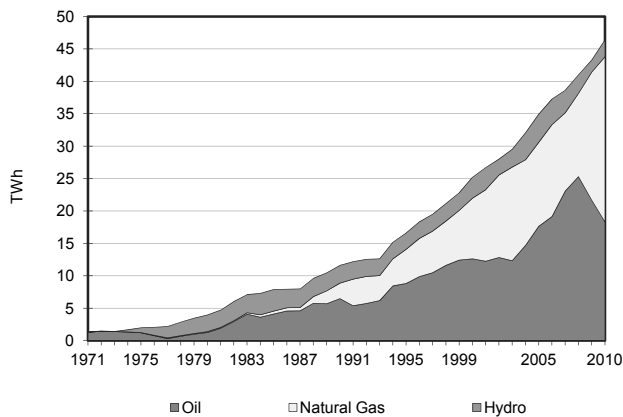
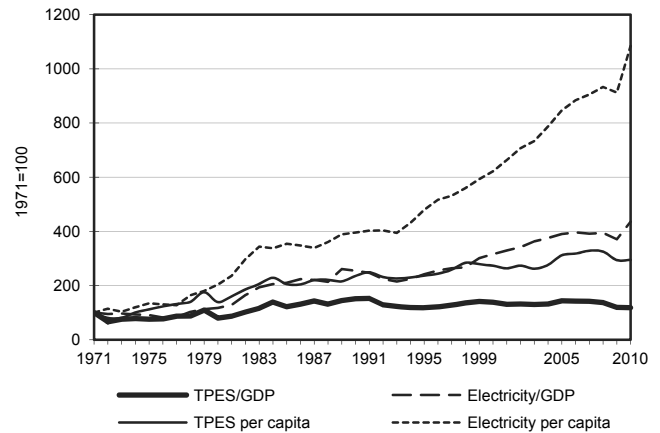


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Syrian Arab Republic

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	18731	-	5015	-	160	-	6	-	-	23913
Imports	6	7	5304	737	-	-	-	-	47	-	6101
Exports	-3	-7201	-1403	-	-	-	-	-	-53	-	-8660
Intl. marine bunkers	-	-	-1107	-	-	-	-	-	-	-	-1107
Intl. aviation bunkers	-	-	-46	-	-	-	-	-	-	-	-46
Stock changes	-	523	508	-	-	-	-	-	-	-	1031
<b>TPES</b>	<b>3</b>	<b>12061</b>	<b>3256</b>	<b>5752</b>	-	<b>160</b>	-	<b>6</b>	<b>-6</b>	-	<b>21233</b>
Electricity and CHP plants	-	-	-5165	-4596	-	-160	-	-	3724	-	-6196
Oil refineries	-	-11728	11277	-	-	-	-	-	-	-	-451
Other transformation*	-2	-333	-291	-89	-	-	-	-1	-1380	-	-2096
<b>TFC</b>	<b>1</b>	-	<b>9078</b>	<b>1067</b>	-	-	-	<b>6</b>	<b>2338</b>	-	<b>12490</b>
<b>INDUSTRY</b>	<b>1</b>	-	<b>1555</b>	<b>335</b>	-	-	-	-	<b>639</b>	-	<b>2530</b>
Iron and steel	1	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	335	-	-	-	-	-	-	335
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	1555	-	-	-	-	-	639	-	2194
<b>TRANSPORT</b>	-	-	<b>4250</b>	-	-	-	-	-	-	-	<b>4250</b>
Domestic aviation	-	-	86	-	-	-	-	-	-	-	86
Road	-	-	4163	-	-	-	-	-	-	-	4163
Other/non-specified	-	-	0	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2807</b>	<b>119</b>	-	-	-	<b>6</b>	<b>1699</b>	-	<b>4630</b>
Residential	-	-	1685	-	-	-	-	-	1194	-	2879
Comm. and public services	-	-	389	-	-	-	-	-	260	-	649
Agriculture/forestry	-	-	561	-	-	-	-	-	-	-	561
Other/non-specified	-	-	173	119	-	-	-	6	245	-	542
<b>NON-ENERGY USE</b>	-	-	<b>466</b>	<b>614</b>	-	-	-	-	-	-	<b>1080</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	21664	19778	-	1866	-	-	-	-	43308
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	20197	-	7243	-	223	-	6	-	-	27670
Imports	6	-	5067	559	-	-	-	-	59	-	5692
Exports	-3	-8170	-1810	-	-	-	-	-	-90	-	-10074
Intl. marine bunkers	-	-	-1028	-	-	-	-	-	-	-	-1028
Intl. aviation bunkers	-	-	-32	-	-	-	-	-	-	-	-32
Stock changes	-	219	-712	-	-	-	-	-	-	-	-493
<b>TPES</b>	<b>3</b>	<b>12246</b>	<b>1485</b>	<b>7802</b>	-	<b>223</b>	-	<b>6</b>	<b>-30</b>	-	<b>21734</b>
Electricity and CHP plants	-	-	-4302	-5927	-	-223	-	-	3992	-	-6461
Oil refineries	-	-11912	11820	-	-	-	-	-	-	-	-92
Other transformation*	-2	-333	-13	-145	-	-	-	-1	-1067	-	-1560
<b>TFC</b>	<b>1</b>	-	<b>8990</b>	<b>1730</b>	-	-	-	<b>6</b>	<b>2894</b>	-	<b>13620</b>
<b>INDUSTRY</b>	<b>1</b>	-	<b>1851</b>	<b>543</b>	-	-	-	-	<b>973</b>	-	<b>3368</b>
Iron and steel	1	-	-	-	-	-	-	-	-	-	1
Chemical and petrochemical	-	-	-	543	-	-	-	-	-	-	543
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	1851	-	-	-	-	-	973	-	2824
<b>TRANSPORT</b>	-	-	<b>4086</b>	-	-	-	-	-	-	-	<b>4086</b>
Domestic aviation	-	-	64	-	-	-	-	-	-	-	64
Road	-	-	4022	-	-	-	-	-	-	-	4022
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2497</b>	<b>192</b>	-	-	-	<b>6</b>	<b>1921</b>	-	<b>4616</b>
Residential	-	-	1567	-	-	-	-	-	1324	-	2891
Comm. and public services	-	-	342	-	-	-	-	-	301	-	643
Agriculture/forestry	-	-	493	-	-	-	-	-	-	-	493
Other/non-specified	-	-	95	192	-	-	-	6	296	-	589
<b>NON-ENERGY USE</b>	-	-	<b>555</b>	<b>995</b>	-	-	-	-	-	-	<b>1550</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	18308	25513	-	2592	-	-	-	-	46413
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Tajikistan

Figure 1. Energy production

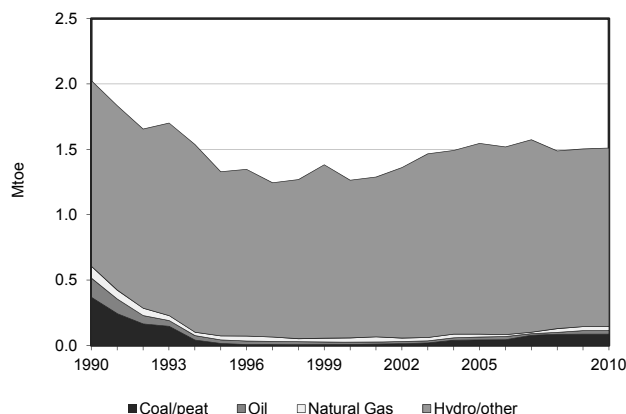


Figure 2. Total primary energy supply\*

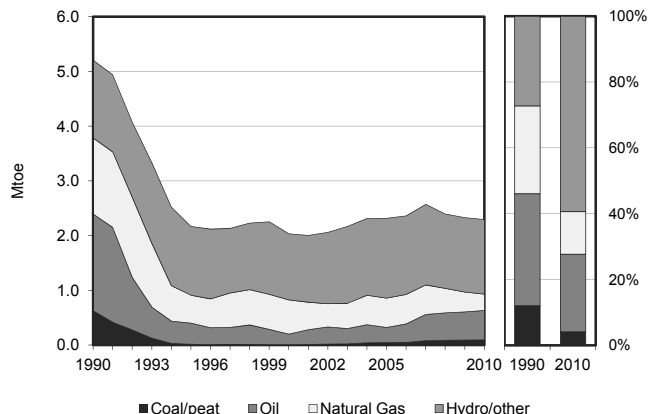


Figure 3. Energy self-sufficiency\*\*

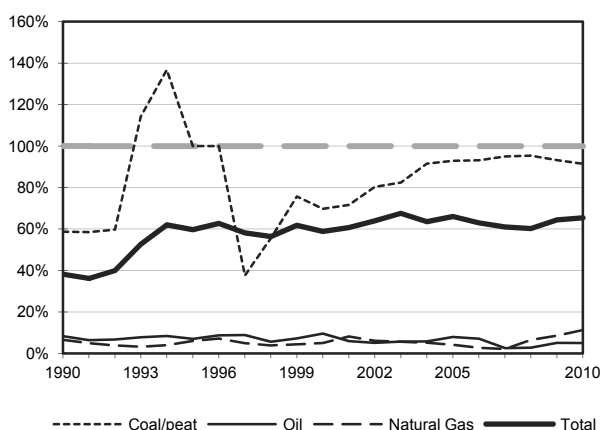


Figure 4. Oil products demand\*\*\*

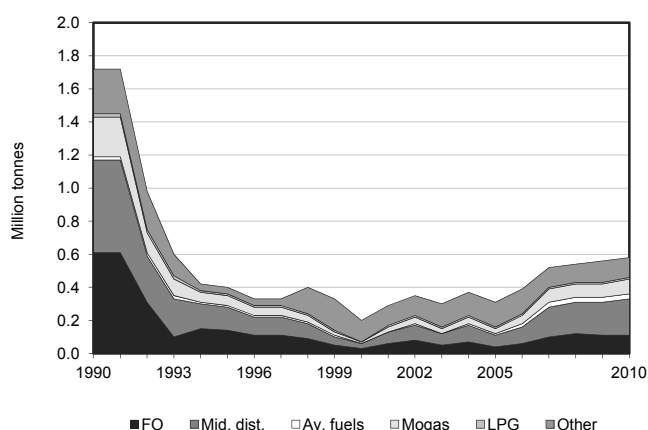


Figure 5. Electricity generation by fuel

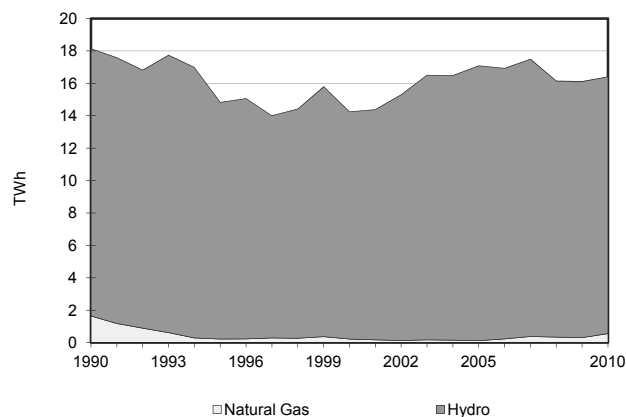
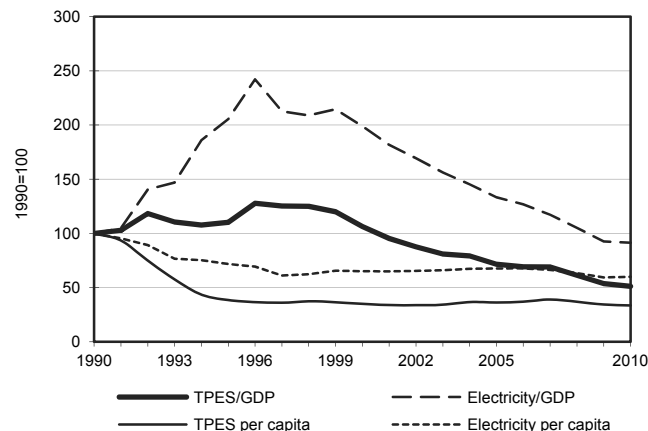


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Tajikistan

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	87	26	-	31	-	1359	-	-	-	-	1503
Imports	6	-	538	332	-	-	-	-	370	-	1247
Exports	-	-4	-20	-	-	-	-	-	-365	-	-389
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-28	-	-	-	-	-	-	-	-28
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>94</b>	<b>22</b>	<b>491</b>	<b>363</b>	-	<b>1359</b>	-	-	<b>5</b>	-	<b>2333</b>
Electricity and CHP plants	-	-	-	-214	-	-1359	-	-	1386	85	-101
Oil refineries	-	-22	20	-	-	-	-	-	-	-	-2
Other transformation*	-	-	-	-	-	-	-	-	-227	-	-227
<b>TFC</b>	<b>94</b>	-	<b>511</b>	<b>149</b>	-	-	-	-	<b>1164</b>	<b>85</b>	<b>2003</b>
<b>INDUSTRY</b>	-	-	-	-	-	-	-	-	<b>528</b>	-	<b>528</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	14	-	14
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	515	-	515
<b>TRANSPORT</b>	-	-	<b>79</b>	<b>11</b>	-	-	-	-	<b>2</b>	-	<b>92</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	79	11	-	-	-	-	-	-	90
Other/non-specified	-	-	-	-	-	-	-	-	2	-	2
<b>OTHER</b>	<b>94</b>	-	<b>431</b>	<b>138</b>	-	-	-	-	<b>634</b>	<b>85</b>	<b>1382</b>
Residential	-	-	-	-	-	-	-	-	254	-	254
Comm. and public services	-	-	-	-	-	-	-	-	25	-	25
Agriculture/forestry	-	-	-	-	-	-	-	-	355	-	355
Other/non-specified	94	-	431	138	-	-	-	-	-	85	748
<b>NON-ENERGY USE</b>	-	-	<b>1</b>	-	-	-	-	-	-	-	<b>1</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	317	-	15800	-	-	-	-	16117
Heat generated - TJ	-	-	-	3580	-	-	-	-	-	-	3580

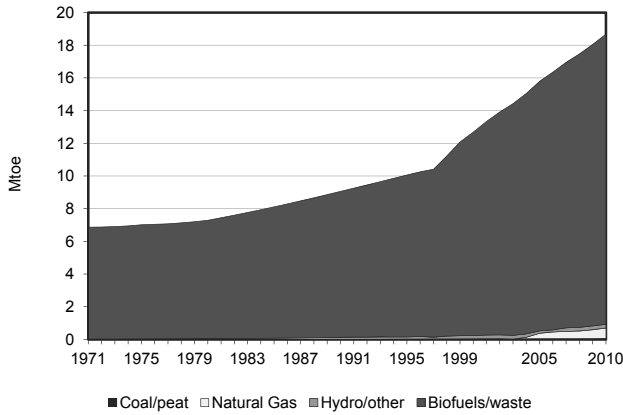
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	87	27	-	33	-	1363	-	-	-	-	1510
Imports	8	-	565	263	-	-	-	-	29	-	865
Exports	-	-4	-20	-	-	-	-	-	-15	-	-39
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-28	-	-	-	-	-	-	-	-28
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>95</b>	<b>23</b>	<b>517</b>	<b>297</b>	-	<b>1363</b>	-	-	<b>14</b>	-	<b>2308</b>
Electricity and CHP plants	-	-	-	-197	-	-1363	-	-	1411	87	-61
Oil refineries	-	-23	20	-	-	-	-	-	-	-	-3
Other transformation*	-	-	-	-	-	-	-	-	-232	-	-232
<b>TFC</b>	<b>95</b>	-	<b>537</b>	<b>100</b>	-	-	-	-	<b>1192</b>	<b>87</b>	<b>2011</b>
<b>INDUSTRY</b>	-	-	-	-	-	-	-	-	<b>541</b>	-	<b>541</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	14	-	14
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	527	-	527
<b>TRANSPORT</b>	-	-	<b>90</b>	<b>11</b>	-	-	-	-	<b>2</b>	-	<b>104</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	90	11	-	-	-	-	-	-	102
Other/non-specified	-	-	-	-	-	-	-	-	2	-	2
<b>OTHER</b>	<b>95</b>	-	<b>446</b>	<b>88</b>	-	-	-	-	<b>649</b>	<b>87</b>	<b>1365</b>
Residential	-	-	-	-	-	-	-	-	260	-	260
Comm. and public services	-	-	-	-	-	-	-	-	26	-	26
Agriculture/forestry	-	-	-	-	-	-	-	-	364	-	364
Other/non-specified	95	-	446	88	-	-	-	-	-	87	716
<b>NON-ENERGY USE</b>	-	-	<b>1</b>	-	-	-	-	-	-	-	<b>1</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	565	-	15845	-	-	-	-	16410
Heat generated - TJ	-	-	-	3645	-	-	-	-	-	-	3645

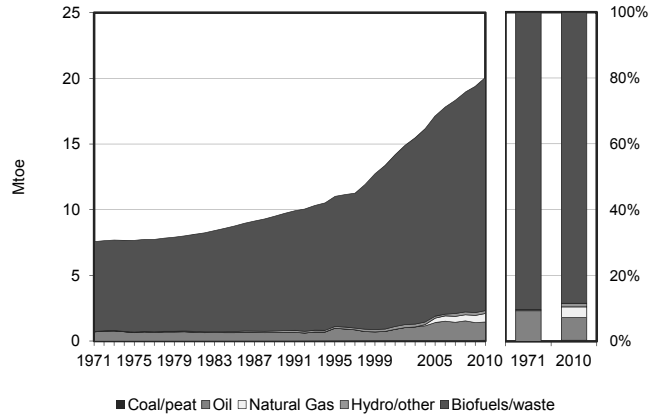
\* Includes transfers, statistical differences, energy industry own use, and losses.

## United Republic of Tanzania

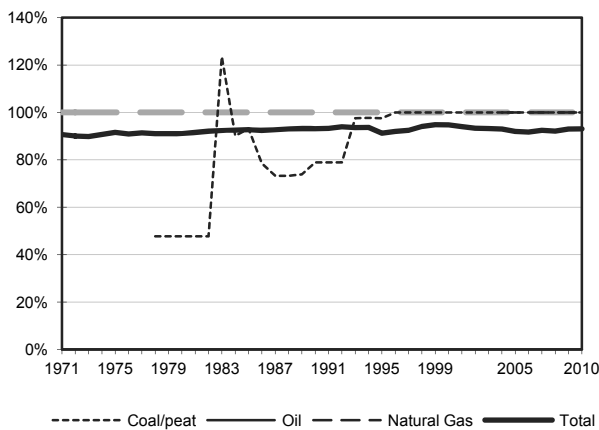
**Figure 1. Energy production**



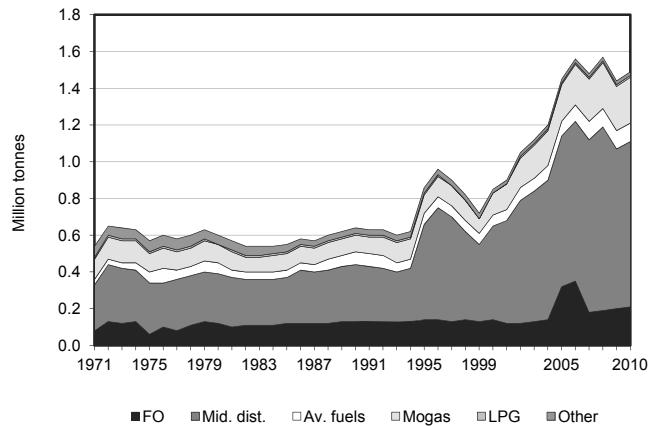
**Figure 2. Total primary energy supply\***



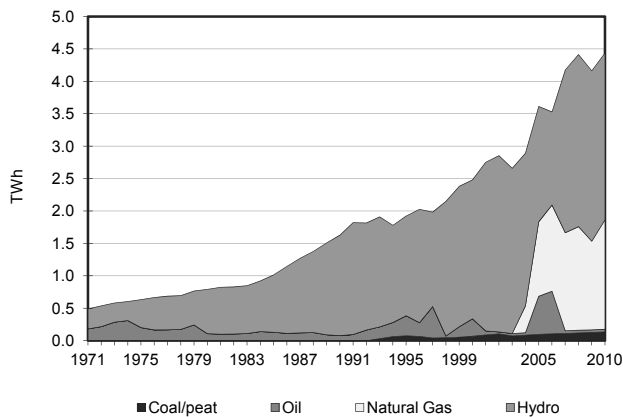
**Figure 3. Energy self-sufficiency\*\***



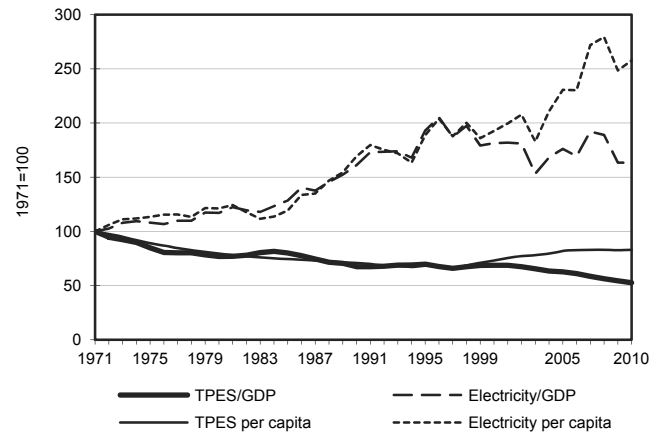
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## United Republic of Tanzania

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	60	-	-	543	-	226	-	17223	-	-	18053
Imports	-	-	1479	-	-	-	-	-	-	-	1479
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-21	-	-	-	-	-	-	-	-21
Intl. aviation bunkers	-	-	-105	-	-	-	-	-	-	-	-105
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>60</b>	<b>-</b>	<b>1353</b>	<b>543</b>	<b>-</b>	<b>226</b>	<b>-</b>	<b>17223</b>	<b>-</b>	<b>-</b>	<b>19406</b>
Electricity and CHP plants	-38	-	-12	-466	-	-226	-	-	358	-	-385
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-2120	-59	-	-2180
<b>TFC</b>	<b>23</b>	<b>-</b>	<b>1340</b>	<b>77</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15103</b>	<b>299</b>	<b>-</b>	<b>16841</b>
<b>INDUSTRY</b>	<b>23</b>	<b>-</b>	<b>156</b>	<b>77</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1932</b>	<b>140</b>	<b>-</b>	<b>2327</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	28	-	-	-	-	-	-	28
Other/non-specified	23	-	156	49	-	-	-	1932	140	-	2299
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>980</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	980	-	-	-	-	-	-	-	980
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>190</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13171</b>	<b>159</b>	<b>-</b>	<b>13520</b>
Residential	-	-	170	-	-	-	-	11967	136	-	12273
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	716	-	-	716
Other/non-specified	-	-	20	-	-	-	-	489	22	-	530
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>
Electricity and Heat Output											
Electricity generated - GWh	128	-	40	1367	-	2629	-	-	-	-	4164
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

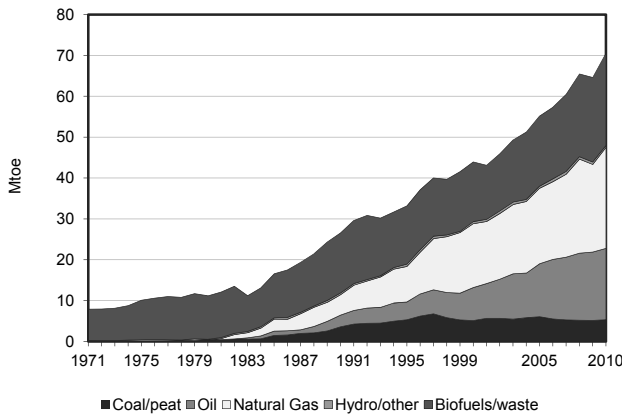
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	65	-	-	643	-	221	-	17756	-	-	18685
Imports	-	-	1522	-	-	-	-	-	-	-	1522
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-21	-	-	-	-	-	-	-	-21
Intl. aviation bunkers	-	-	-108	-	-	-	-	-	-	-	-108
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>65</b>	<b>-</b>	<b>1394</b>	<b>643</b>	<b>-</b>	<b>221</b>	<b>-</b>	<b>17756</b>	<b>-</b>	<b>-</b>	<b>20078</b>
Electricity and CHP plants	-40	-	-13	-541	-	-221	-	-	382	-	-434
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-2	-	-	-	-2142	-66	-	-2211
<b>TFC</b>	<b>25</b>	<b>-</b>	<b>1380</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15613</b>	<b>316</b>	<b>-</b>	<b>17434</b>
<b>INDUSTRY</b>	<b>25</b>	<b>-</b>	<b>166</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2067</b>	<b>148</b>	<b>-</b>	<b>2505</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	42	-	-	-	-	-	-	42
Other/non-specified	25	-	166	58	-	-	-	2067	148	-	2463
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1004</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1004</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1004	-	-	-	-	-	-	-	1004
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>195</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13547</b>	<b>168</b>	<b>-</b>	<b>13910</b>
Residential	-	-	174	-	-	-	-	12306	144	-	12624
Comm. and public services	-	-	-	-	-	-	-	-	-	-	-
Agriculture/forestry	-	-	-	-	-	-	-	738	-	-	738
Other/non-specified	-	-	21	-	-	-	-	503	23	-	548
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>
Electricity and Heat Output											
Electricity generated - GWh	136	-	40	1690	-	2574	-	-	-	-	4440
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

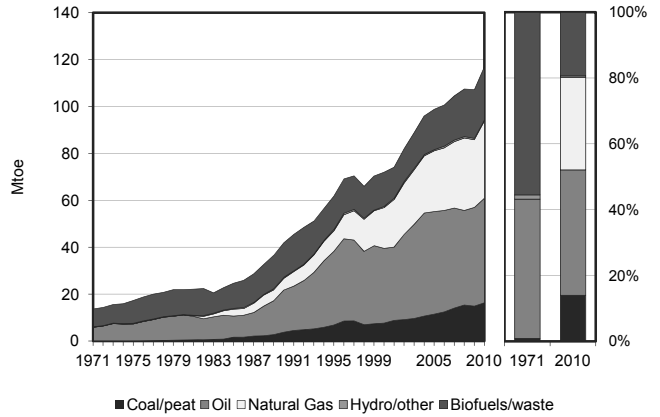
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Thailand

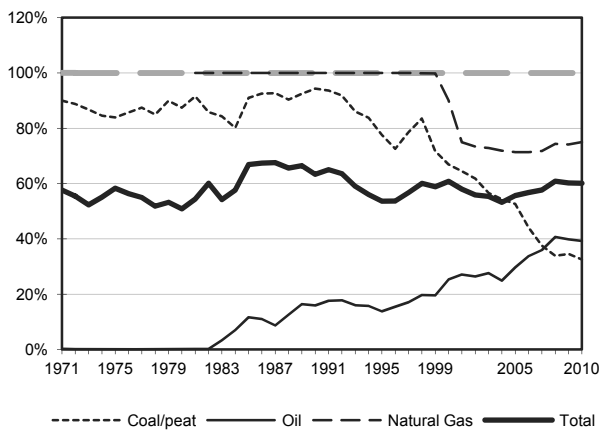
**Figure 1. Energy production**



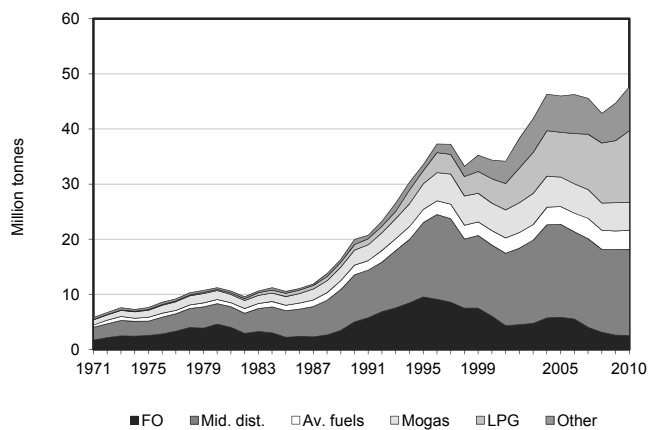
**Figure 2. Total primary energy supply\***



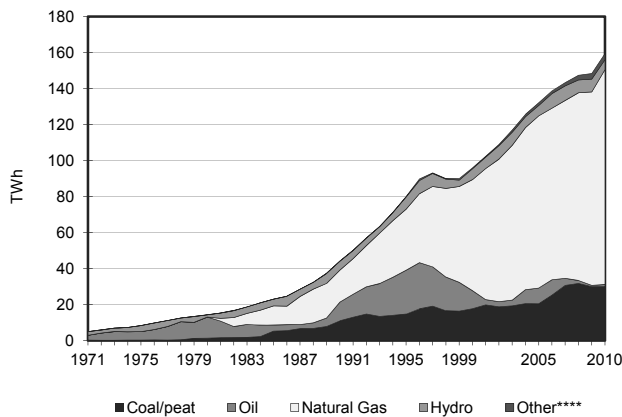
**Figure 3. Energy self-sufficiency\*\***



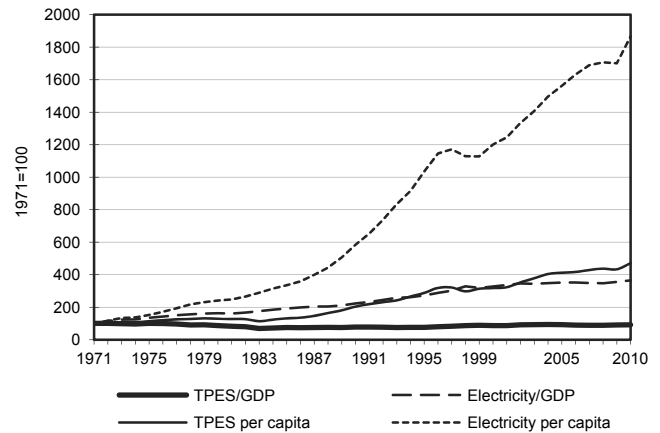
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Thailand

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	5158	16740	-	21438	-	615	2	20653	-	-	64605
Imports	10625	42062	1335	7472	-	-	-	57	210	-	61761
Exports	-17	-2226	-11310	-	-	-	-	-26	-134	-	-13713
Intl. marine bunkers	-	-	-1480	-	-	-	-	-	-	-	-1480
Intl. aviation bunkers	-	-	-3539	-	-	-	-	-	-	-	-3539
Stock changes	-835	493	-7	-	-	-	-	15	-	-	-333
<b>TPES</b>	<b>14931</b>	<b>57068</b>	<b>-15000</b>	<b>28910</b>	<b>-</b>	<b>615</b>	<b>2</b>	<b>20699</b>	<b>76</b>	<b>-</b>	<b>107300</b>
Transfers	-	-4232	4391	-	-	-	-	-	-	-	159
Statistical differences	-193	6	71	0	-	-	-	-0	0	-	-116
Electricity plants	-6847	-	-172	-20497	-	-615	-2	-1984	12761	-	-17354
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-12	-	-	-	-	-	-	-	-	-	-12
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-47190	46631	-	-	-	-	-	-	-	-559
Petrochemical plants	-	0	-	-	-	-	-	-	-	-	0
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-5313	-	-	-5313
Energy industry own use	-	-	-820	-4069	-	-	-	-	-454	-	-5344
Losses	-	-185	-	-	-	-	-	-	-755	-	-939
<b>TFC</b>	<b>7879</b>	<b>5468</b>	<b>35100</b>	<b>4344</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13403</b>	<b>11628</b>	<b>-</b>	<b>77822</b>
<b>INDUSTRY</b>	<b>7879</b>	<b>-</b>	<b>2732</b>	<b>2113</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6755</b>	<b>4874</b>	<b>-</b>	<b>24353</b>
Iron and steel	13	-	258	191	-	-	-	-	488	-	949
Chemical and petrochemical	-	-	339	915	-	-	-	-	820	-	2074
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	6649	-	185	644	-	-	-	-	529	-	8007
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	146	41	-	-	-	-	1061	-	1248
Mining and quarrying	-	-	20	-	-	-	-	-	-	-	20
Food and tobacco	367	-	574	114	-	-	-	4058	948	-	6059
Paper pulp and printing	-	-	84	-	-	-	-	-	174	-	258
Wood and wood products	-	-	39	-	-	-	-	-	126	-	165
Construction	-	-	148	-	-	-	-	-	-	-	148
Textile and leather	-	-	102	43	-	-	-	-	585	-	730
Non-specified	851	-	838	166	-	-	-	2697	142	-	4694
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>17364</b>	<b>1153</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>634</b>	<b>5</b>	<b>-</b>	<b>19156</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	17210	1153	-	-	-	634	-	-	18997
Rail	-	-	87	-	-	-	-	-	5	-	92
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	67	-	-	-	-	-	-	-	67
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>6026</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6014</b>	<b>6749</b>	<b>-</b>	<b>18789</b>
Residential	-	-	1756	-	-	-	-	6014	2612	-	10382
Comm. and publ. services	-	-	876	0	-	-	-	-	4050	-	4926
Agriculture/forestry	-	-	3394	-	-	-	-	-	27	-	3422
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	60	-	60
<b>NON-ENERGY USE</b>	<b>-</b>	<b>5468</b>	<b>8978</b>	<b>1078</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15525</b>
in industry/transf./energy	-	5468	8978	1078	-	-	-	-	-	-	15525
of which: feedstocks	-	5468	7613	1078	-	-	-	-	-	-	14159
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>30034</b>	<b>-</b>	<b>720</b>	<b>107405</b>	<b>-</b>	<b>7148</b>	<b>11</b>	<b>3071</b>	<b>-</b>	<b>-</b>	<b>148389</b>
Electricity plants	30034	-	720	107405	-	7148	11	3071	-	-	148389
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Thailand

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	5320	17490	-	24707	-	476	3	22564	-	-	70559
Imports	10726	42743	2040	8230	-	-	-	66	627	-	64432
Exports	-13	-1564	-11232	-	-	-	-	-34	-139	-	-12982
Intl. marine bunkers	-	-	-1378	-	-	-	-	-	-	-	-1378
Intl. aviation bunkers	-	-	-3762	-	-	-	-	-	-	-	-3762
Stock changes	329	-25	248	-	-	-	-	9	-	-	560
<b>TPES</b>	<b>16362</b>	<b>58643</b>	<b>-14085</b>	<b>32936</b>	<b>-</b>	<b>476</b>	<b>3</b>	<b>22605</b>	<b>488</b>	<b>-</b>	<b>117429</b>
Transfers	-	-4460	4617	-	-	-	-	-	-	-	158
Statistical differences	-215	2	-97	0	-	-	-	-	-	-	-310
Electricity plants	-6922	-	-264	-22664	-	-476	-3	-2302	13719	-	-18913
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-13	-	-	-	-	-	-	-	-	-	-13
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-48422	48582	-	-	-	-	-	-	-	160
Petrochemical plants	-	1	-	-	-	-	-	-	-	-	1
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-5885	-	-	-5885
Energy industry own use	-	-	-802	-5689	-	-	-	-	-494	-	-6986
Losses	-	-188	-	-	-	-	-	-	-870	-	-1058
<b>TFC</b>	<b>9211</b>	<b>5577</b>	<b>37951</b>	<b>4584</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14418</b>	<b>12842</b>	<b>-</b>	<b>84582</b>
<b>INDUSTRY</b>	<b>9211</b>	<b>-</b>	<b>2796</b>	<b>1987</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7011</b>	<b>5472</b>	<b>-</b>	<b>26478</b>
Iron and steel	169	-	303	226	-	-	-	-	581	-	1279
Chemical and petrochemical	-	-	398	744	-	-	-	-	924	-	2067
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	7613	-	204	696	-	-	-	-	538	-	9051
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	183	70	-	-	-	-	1255	-	1508
Mining and quarrying	-	-	18	-	-	-	-	-	-	-	18
Food and tobacco	427	-	545	95	-	-	-	3734	1001	-	5802
Paper pulp and printing	-	-	81	-	-	-	-	-	186	-	267
Wood and wood products	-	-	39	-	-	-	-	-	149	-	188
Construction	-	-	169	-	-	-	-	-	-	-	169
Textile and leather	-	-	93	25	-	-	-	-	661	-	780
Non-specified	1003	-	762	131	-	-	-	3278	176	-	5350
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>17370</b>	<b>1462</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>654</b>	<b>6</b>	<b>-</b>	<b>19493</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	17210	1462	-	-	-	654	-	-	19326
Rail	-	-	83	-	-	-	-	-	6	-	89
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	78	-	-	-	-	-	-	-	78
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>6314</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6752</b>	<b>7363</b>	<b>-</b>	<b>20430</b>
Residential	-	-	1667	-	-	-	-	6752	2867	-	11286
Comm. and publ. services	-	-	1203	1	-	-	-	-	4399	-	5603
Agriculture/forestry	-	-	3444	-	-	-	-	-	29	-	3473
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	68	-	68
<b>NON-ENERGY USE</b>	<b>-</b>	<b>5577</b>	<b>11470</b>	<b>1134</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18181</b>
in industry/transf./energy	-	5577	11470	1134	-	-	-	-	-	-	18181
of which: feedstocks	-	5577	9131	1134	-	-	-	-	-	-	15842
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>30047</b>	<b>-</b>	<b>1177</b>	<b>119349</b>	<b>-</b>	<b>5537</b>	<b>22</b>	<b>3386</b>	<b>-</b>	<b>-</b>	<b>159518</b>
Electricity plants	30047	-	1177	119349	-	5537	22	3386	-	-	159518
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

Togo

Figure 1. Energy production

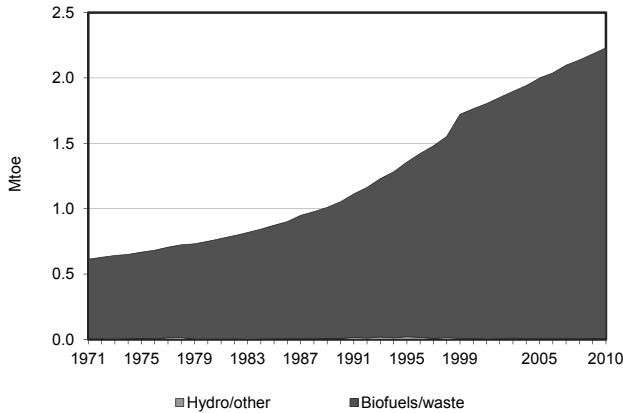


Figure 2. Total primary energy supply\*

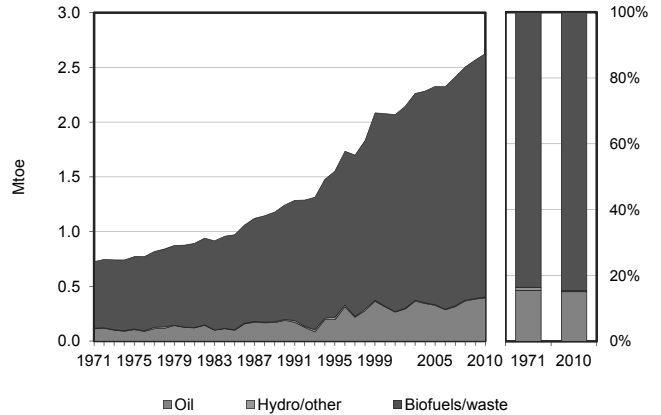


Figure 3. Energy self-sufficiency\*\*

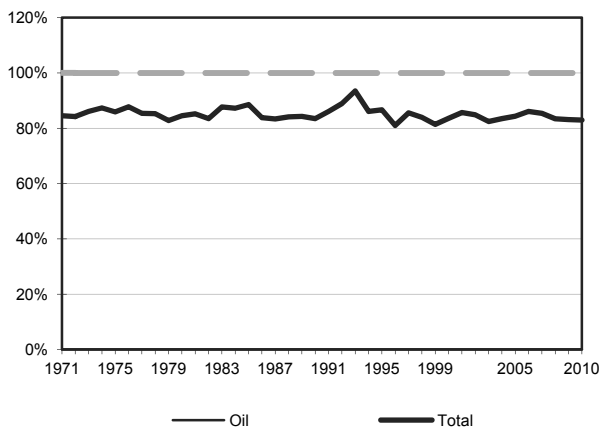


Figure 4. Oil products demand\*\*\*

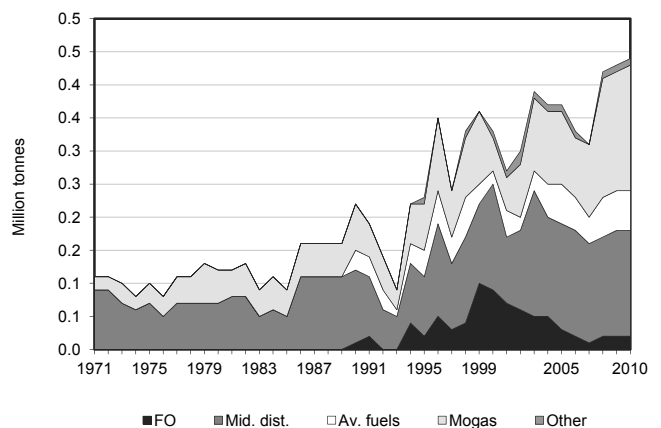


Figure 5. Electricity generation by fuel

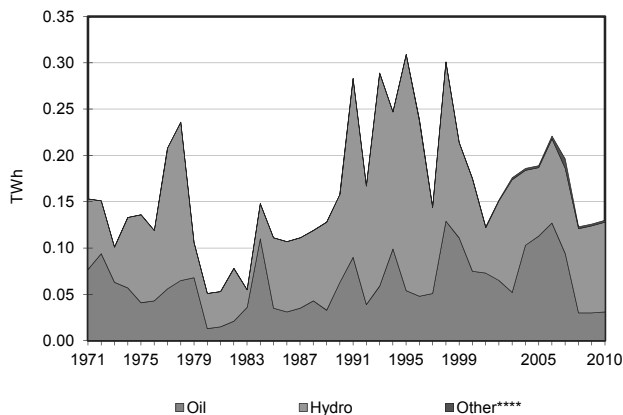
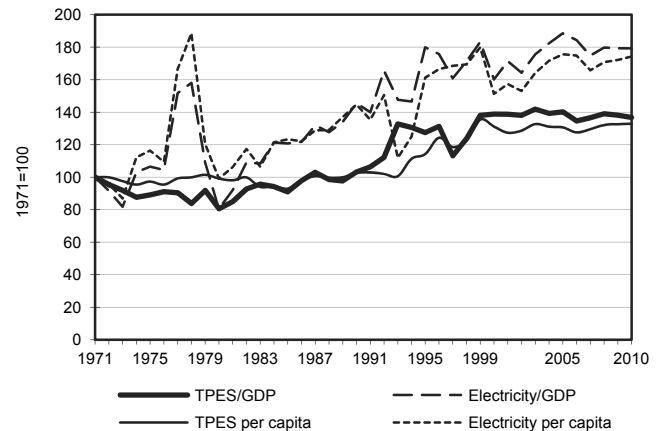


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Togo

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	8	-	2176	-	-	2185
Imports	-	-	453	-	-	-	-	-	59	-	512
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-4	-	-	-	-	-	-	-	-4
Intl. aviation bunkers	-	-	-65	-	-	-	-	-	-	-	-65
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>384</b>	-	-	<b>8</b>	-	<b>2176</b>	<b>59</b>	-	<b>2628</b>
Electricity and CHP plants	-	-	-8	-	-	-8	-	-3	11	-	-8
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-980	-14	-	-993
<b>TFC</b>	-	-	<b>376</b>	-	-	-	-	<b>1194</b>	<b>56</b>	-	<b>1626</b>
<b>INDUSTRY</b>	-	-	<b>21</b>	-	-	-	-	-	<b>14</b>	-	<b>35</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	19	-	-	-	-	-	13	-	32
Other/non-specified	-	-	2	-	-	-	-	-	1	-	3
<b>TRANSPORT</b>	-	-	<b>301</b>	-	-	-	-	-	-	-	<b>301</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	301	-	-	-	-	-	-	-	301
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>47</b>	-	-	-	-	<b>1194</b>	<b>43</b>	-	<b>1284</b>
Residential	-	-	47	-	-	-	-	1045	34	-	1126
Comm. and public services	-	-	-	-	-	-	-	149	8	-	158
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>6</b>	-	-	-	-	-	-	-	<b>6</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	30	-	-	94	-	2	-	-	126
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

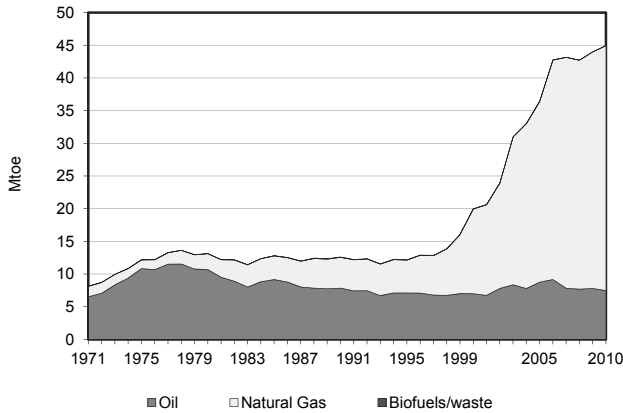
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	8	-	2223	-	-	2231
Imports	-	-	468	-	-	-	-	-	61	-	529
Exports	-	-	-	-	-	-	-	-	-	-	-
Intl. marine bunkers	-	-	-4	-	-	-	-	-	-	-	-4
Intl. aviation bunkers	-	-	-67	-	-	-	-	-	-	-	-67
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	-	<b>397</b>	-	-	<b>8</b>	-	<b>2223</b>	<b>61</b>	-	<b>2689</b>
Electricity and CHP plants	-	-	-8	-	-	-8	-	-3	11	-	-8
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-	-	-	-	-	-	-	-1001	-14	-	-1015
<b>TFC</b>	-	-	<b>388</b>	-	-	-	-	<b>1219</b>	<b>58</b>	-	<b>1666</b>
<b>INDUSTRY</b>	-	-	<b>21</b>	-	-	-	-	-	<b>14</b>	-	<b>36</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	19	-	-	-	-	-	13	-	32
Other/non-specified	-	-	2	-	-	-	-	-	1	-	3
<b>TRANSPORT</b>	-	-	<b>312</b>	-	-	-	-	-	-	-	<b>312</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	312	-	-	-	-	-	-	-	312
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>50</b>	-	-	-	-	<b>1219</b>	<b>44</b>	-	<b>1312</b>
Residential	-	-	50	-	-	-	-	1067	35	-	1152
Comm. and public services	-	-	-	-	-	-	-	152	9	-	161
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>6</b>	-	-	-	-	-	-	-	<b>6</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	31	-	-	97	-	2	-	-	130
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

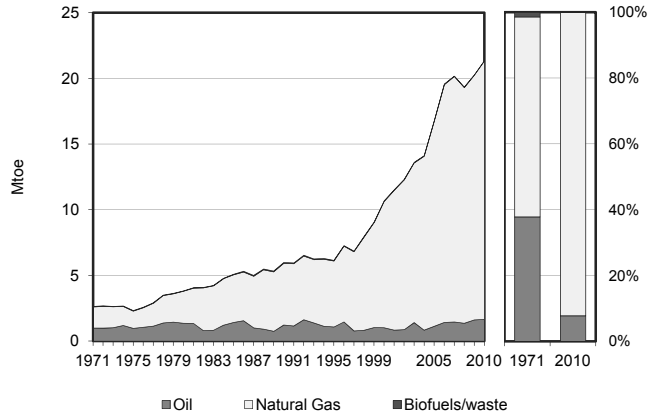
\* Includes transfers, statistical differences, energy industry own use, and losses.

### Trinidad and Tobago

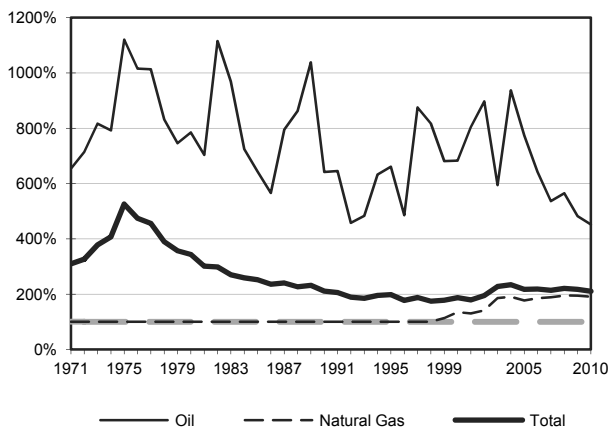
**Figure 1. Energy production**



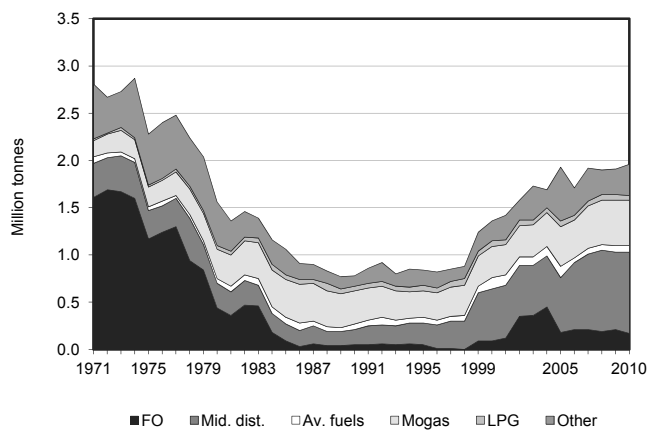
**Figure 2. Total primary energy supply\***



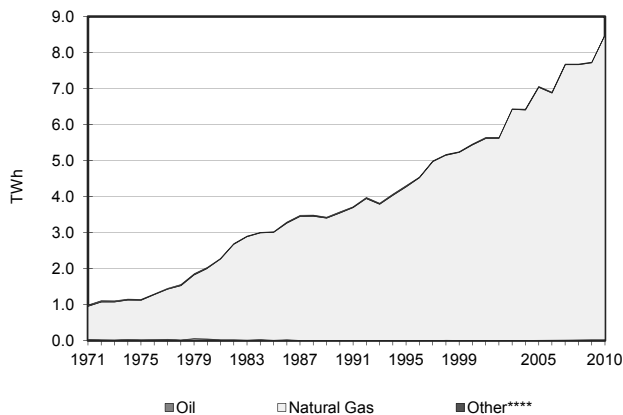
**Figure 3. Energy self-sufficiency\*\***



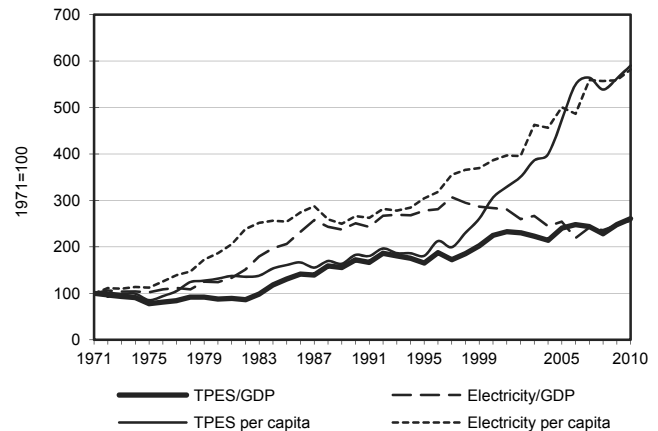
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Trinidad and Tobago

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	7817	-	36177	-	-	-	26	-	-	44019
Imports	-	4922	53	-	-	-	-	-	-	-	4975
Exports	-	-4203	-6788	-17552	-	-	-	-	-	-	-28543
Intl. marine bunkers	-	-	-442	-	-	-	-	-	-	-	-442
Intl. aviation bunkers	-	-	-68	-	-	-	-	-	-	-	-68
Stock changes	-	182	148	-	-	-	-	-	-	-	330
<b>TPES</b>	-	<b>8717</b>	<b>-7097</b>	<b>18625</b>	-	-	-	<b>26</b>	-	-	<b>20271</b>
Electricity and CHP plants	-	-	-20	-2352	-	-	-	-12	665	-	-1719
Oil refineries	-	-7875	7604	-	-	-	-	-	-	-	-271
Other transformation*	-	-842	719	-2699	-	-	-	-2	-30	-	-2853
<b>TFC</b>	-	-	<b>1206</b>	<b>13573</b>	-	-	-	<b>12</b>	<b>636</b>	-	<b>15427</b>
<b>INDUSTRY</b>	-	-	<b>163</b>	<b>3524</b>	-	-	-	-	<b>374</b>	-	<b>4061</b>
Iron and steel	-	-	-	579	-	-	-	-	-	-	579
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	104	-	-	-	-	-	-	104
Other/non-specified	-	-	163	2840	-	-	-	-	374	-	3378
<b>TRANSPORT</b>	-	-	<b>943</b>	-	-	-	-	-	-	-	<b>943</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	941	-	-	-	-	-	-	-	941
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>92</b>	<b>190</b>	-	-	-	<b>12</b>	<b>261</b>	-	<b>556</b>
Residential	-	-	86	190	-	-	-	12	199	-	488
Comm. and public services	-	-	6	-	-	-	-	-	62	-	68
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>8</b>	<b>9859</b>	-	-	-	-	-	-	<b>9867</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	24	7692	-	-	-	19	-	-	7735
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

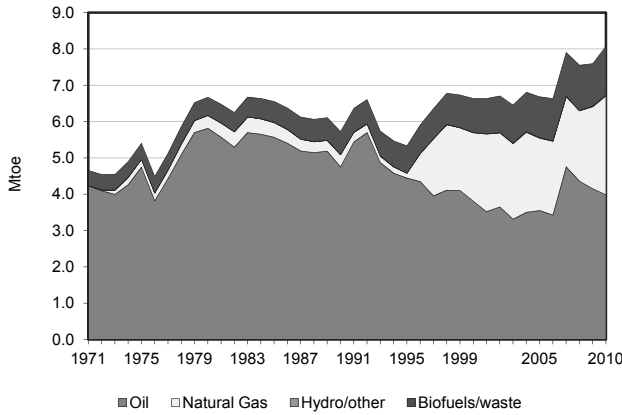
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	7493	-	37448	-	-	-	14	-	-	44956
Imports	-	3545	75	-	-	-	-	-	-	-	3619
Exports	-	-3937	-5491	-17772	-	-	-	-	-	-	-27200
Intl. marine bunkers	-	-	-339	-	-	-	-	-	-	-	-339
Intl. aviation bunkers	-	-	-68	-	-	-	-	-	-	-	-68
Stock changes	-	281	99	-	-	-	-	-	-	-	379
<b>TPES</b>	-	<b>7382</b>	<b>-5725</b>	<b>19676</b>	-	-	-	<b>14</b>	-	-	<b>21347</b>
Electricity and CHP plants	-	-	-5	-2534	-	-	-	-	730	-	-1809
Oil refineries	-	-6561	6341	-	-	-	-	-	-	-	-219
Other transformation*	-	-821	688	-3292	-	-	-	-2	-50	-	-3478
<b>TFC</b>	-	-	<b>1299</b>	<b>13850</b>	-	-	-	<b>12</b>	<b>680</b>	-	<b>15841</b>
<b>INDUSTRY</b>	-	-	<b>160</b>	<b>3463</b>	-	-	-	-	<b>410</b>	-	<b>4033</b>
Iron and steel	-	-	-	899	-	-	-	-	-	-	899
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	104	-	-	-	-	-	-	104
Other/non-specified	-	-	160	2460	-	-	-	-	410	-	3030
<b>TRANSPORT</b>	-	-	<b>1049</b>	-	-	-	-	-	-	-	<b>1049</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	1047	-	-	-	-	-	-	-	1047
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>90</b>	<b>86</b>	-	-	-	<b>12</b>	<b>270</b>	-	<b>459</b>
Residential	-	-	83	86	-	-	-	12	195	-	376
Comm. and public services	-	-	7	-	-	-	-	-	75	-	83
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	-	<b>10300</b>	-	-	-	-	-	-	<b>10300</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	24	8463	-	-	-	-	-	-	8487
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

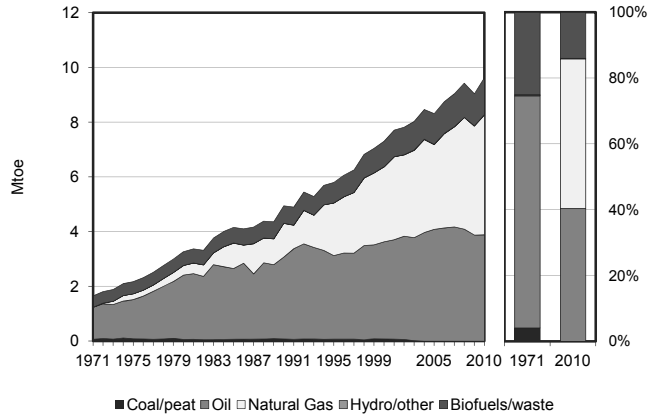


### Tunisia

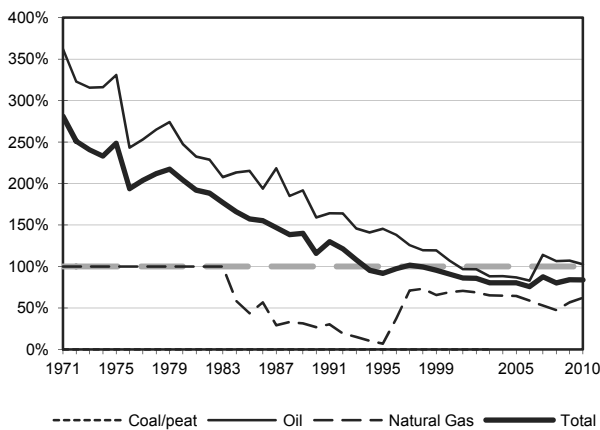
**Figure 1. Energy production**



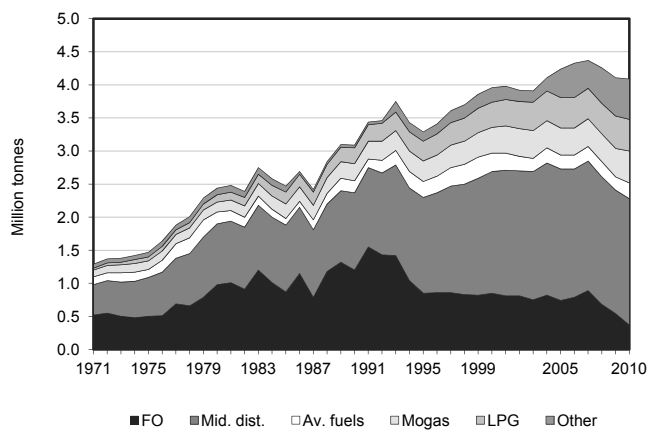
**Figure 2. Total primary energy supply\***



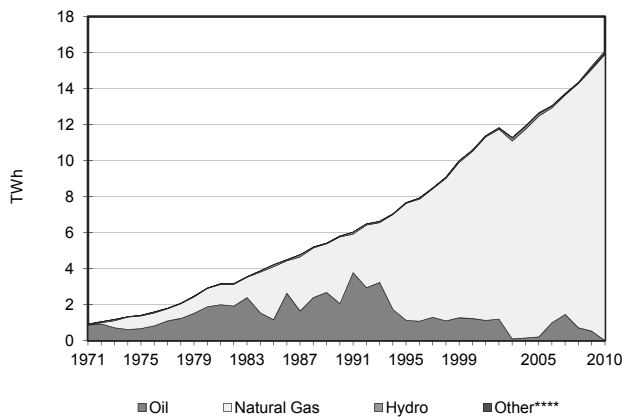
**Figure 3. Energy self-sufficiency\*\***



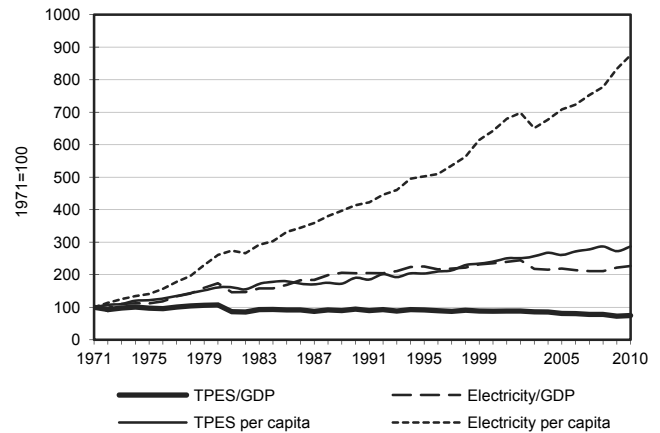
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Tunisia

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	4153	-	2256	-	7	8	1171	-	-	7595
Imports	-	1204	3075	1722	-	-	-	-	10	-	6012
Exports	-	-3426	-833	-	-	-	-	-	-7	-	-4266
Intl. marine bunkers	-	-	-26	-	-	-	-	-	-	-	-26
Intl. aviation bunkers	-	-	-203	-	-	-	-	-	-	-	-203
Stock changes	-	-103	36	-	-	-	-	-	-	-	-67
<b>TPES</b>	-	<b>1828</b>	<b>2050</b>	<b>3978</b>	-	<b>7</b>	<b>8</b>	<b>1171</b>	<b>4</b>	-	<b>9045</b>
Transfers	-	-91	97	-	-	-	-	-	-	-	7
Statistical differences	-	-3	79	-14	-	-	-	0	17	-	79
Electricity plants	-	-	-119	-2918	-	-7	-8	-	1312	-	-1741
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-1735	1690	-	-	-	-	-	-	-	-45
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-189	-	-	-189
Energy industry own use	-	-	-48	-	-	-	-	-	-68	-	-116
Losses	-	-	-	-	-	-	-	-	-162	-	-162
<b>TFC</b>	-	-	<b>3748</b>	<b>1046</b>	-	-	-	<b>981</b>	<b>1102</b>	-	<b>6877</b>
<b>INDUSTRY</b>	-	-	<b>769</b>	<b>732</b>	-	-	-	-	<b>406</b>	-	<b>1907</b>
Iron and steel	-	-	-	6	-	-	-	-	21	-	27
Chemical and petrochemical	-	-	-	113	-	-	-	-	61	-	174
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	298	-	-	-	-	-	121	-	419
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	14	-	-	-	-	28	-	42
Food and tobacco	-	-	-	50	-	-	-	-	48	-	98
Paper pulp and printing	-	-	-	23	-	-	-	-	16	-	39
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	456	-	-	-	-	-	-	456
Textile and leather	-	-	-	41	-	-	-	-	43	-	84
Non-specified	-	-	471	29	-	-	-	-	67	-	567
<b>TRANSPORT</b>	-	-	<b>1875</b>	<b>0</b>	-	-	-	-	<b>24</b>	-	<b>1899</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1875	-	-	-	-	-	-	-	1875
Rail	-	-	-	-	-	-	-	-	16	-	16
Pipeline transport	-	-	-	-	-	-	-	-	0	-	0
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	0	-	-	-	-	8	-	8
<b>OTHER</b>	-	-	<b>919</b>	<b>313</b>	-	-	-	<b>981</b>	<b>672</b>	-	<b>2886</b>
Residential	-	-	455	187	-	-	-	970	308	-	1920
Comm. and publ. services	-	-	128	120	-	-	-	12	299	-	559
Agriculture/forestry	-	-	336	6	-	-	-	-	63	-	406
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	1	-	1
<b>NON-ENERGY USE</b>	-	-	<b>184</b>	-	-	-	-	-	-	-	<b>184</b>
in industry/transf./energy	-	-	184	-	-	-	-	-	-	-	184
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	-	-	<b>527</b>	<b>14549</b>	-	<b>79</b>	<b>97</b>	-	-	-	<b>15252</b>
Electricity plants	-	-	527	14549	-	79	97	-	-	-	15252
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Tunisia

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	3985	-	2726	-	4	12	1348	-	-	8076
Imports	-	190	3835	1652	-	-	-	-	2	-	5678
Exports	-	-3826	-152	-	-	-	-	-	-	-	-3978
Intl. marine bunkers	-	-	-14	-	-	-	-	-	-	-	-14
Intl. aviation bunkers	-	-	-253	-	-	-	-	-	-	-	-253
Stock changes	-	73	47	-	-	-	-	-	-	-	120
<b>TPES</b>	-	<b>421</b>	<b>3463</b>	<b>4378</b>	-	<b>4</b>	<b>12</b>	<b>1348</b>	<b>2</b>	-	<b>9629</b>
Transfers	-	-119	128	-	-	-	-	-	-	-	9
Statistical differences	-	-35	11	-84	-	-	-	-213	35	-	-287
Electricity plants	-	-	-2	-3184	-	-4	-12	-	1384	-	-1818
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-267	262	-	-	-	-	-	-	-	-5
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-137	-	-	-137
Energy industry own use	-	-	-14	-5	-	-	-	-	-75	-	-94
Losses	-	-	-	-	-	-	-	-	-161	-	-161
<b>TFC</b>	-	-	<b>3848</b>	<b>1105</b>	-	-	-	<b>998</b>	<b>1185</b>	-	<b>7136</b>
<b>INDUSTRY</b>	-	-	<b>768</b>	<b>791</b>	-	-	-	-	<b>440</b>	-	<b>2000</b>
Iron and steel	-	-	-	6	-	-	-	-	25	-	31
Chemical and petrochemical	-	-	-	117	-	-	-	-	66	-	184
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	327	-	-	-	-	-	128	-	455
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	14	-	-	-	-	31	-	45
Food and tobacco	-	-	-	58	-	-	-	-	51	-	109
Paper pulp and printing	-	-	-	30	-	-	-	-	17	-	47
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	482	-	-	-	-	-	-	482
Textile and leather	-	-	-	45	-	-	-	-	47	-	92
Non-specified	-	-	441	38	-	-	-	-	76	-	555
<b>TRANSPORT</b>	-	-	<b>1979</b>	<b>1</b>	-	-	-	-	<b>26</b>	-	<b>2006</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	1979	-	-	-	-	-	-	-	1979
Rail	-	-	-	-	-	-	-	-	4	-	4
Pipeline transport	-	-	-	-	-	-	-	-	2	-	2
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	1	-	-	-	-	20	-	20
<b>OTHER</b>	-	-	<b>918</b>	<b>313</b>	-	-	-	<b>998</b>	<b>718</b>	-	<b>2947</b>
Residential	-	-	465	166	-	-	-	969	320	-	1921
Comm. and publ. services	-	-	114	141	-	-	-	29	324	-	608
Agriculture/forestry	-	-	338	6	-	-	-	-	74	-	418
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	-	<b>184</b>	-	-	-	-	-	-	-	<b>184</b>
in industry/transf./energy	-	-	184	-	-	-	-	-	-	-	184
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	-	-	<b>3</b>	<b>15904</b>	-	<b>50</b>	<b>139</b>	-	-	-	<b>16096</b>
Electricity plants	-	-	3	15904	-	50	139	-	-	-	16096
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	-	-	-	-	-	-	-	-	-	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

### Turkmenistan

Figure 1. Energy production

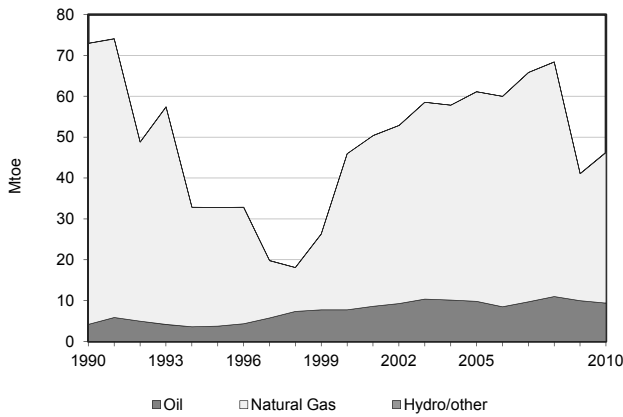


Figure 2. Total primary energy supply\*

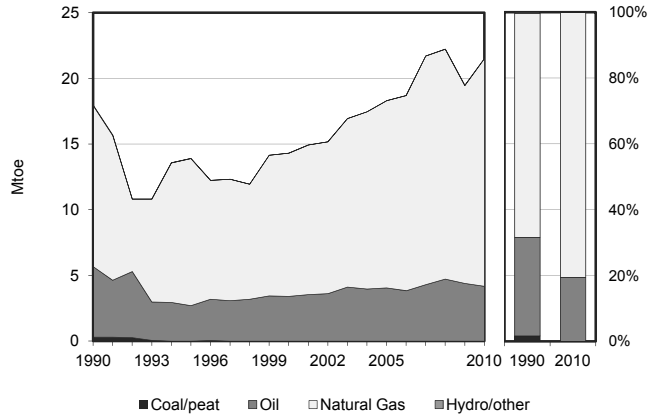


Figure 3. Energy self-sufficiency\*\*

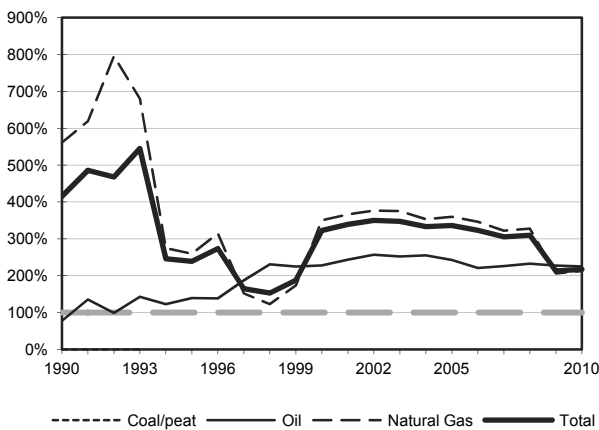


Figure 4. Oil products demand\*\*\*

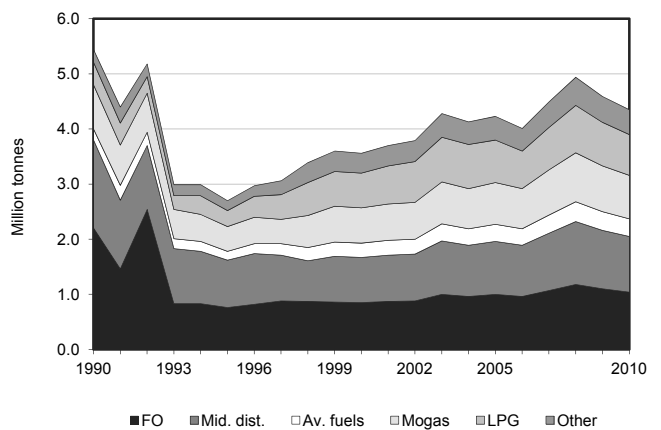


Figure 5. Electricity generation by fuel

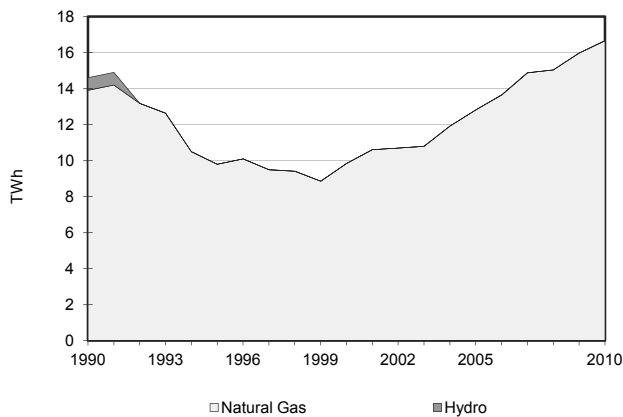
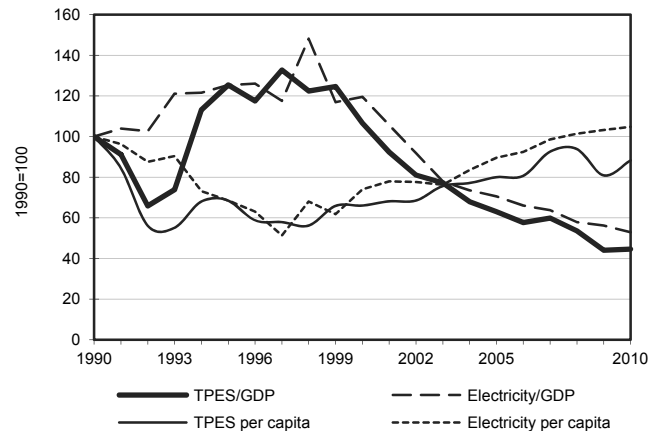


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Turkmenistan

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	10003	-	31063	-	0	-	-	-	-	41066
Imports	-	-	88	-	-	-	-	-	-	-	88
Exports	-	-2010	-3340	-15993	-	-	-	-	-181	-	-21524
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-347	-	-	-	-	-	-	-	-347
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>7993</b>	<b>-3599</b>	<b>15070</b>	-	<b>0</b>	-	-	<b>-181</b>	-	<b>19283</b>
Electricity and CHP plants	-	-	-	-6122	-	-0	-	-	1374	184	-4564
Oil refineries	-	-7286	7243	-	-	-	-	-	-	-	-43
Other transformation*	-	-707	-557	-1725	-	-	-	-	-424	-	-3412
<b>TFC</b>	-	-	<b>3087</b>	<b>7223</b>	-	-	-	-	<b>770</b>	<b>184</b>	<b>11264</b>
<b>INDUSTRY</b>	-	-	<b>539</b>	<b>630</b>	-	-	-	-	<b>278</b>	-	<b>1447</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	90	-	90
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	539	630	-	-	-	-	188	-	1357
<b>TRANSPORT</b>	-	-	<b>875</b>	<b>628</b>	-	-	-	-	<b>20</b>	-	<b>1524</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	875	-	-	-	-	-	-	-	875
Other/non-specified	-	-	-	628	-	-	-	-	20	-	648
<b>OTHER</b>	-	-	<b>1672</b>	<b>5965</b>	-	-	-	-	<b>472</b>	<b>184</b>	<b>8294</b>
Residential	-	-	-	-	-	-	-	-	162	-	162
Comm. and public services	-	-	-	5494	-	-	-	-	-	-	5494
Agriculture/forestry	-	-	-	-	-	-	-	-	245	-	245
Other/non-specified	-	-	1672	471	-	-	-	-	66	184	2393
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	15977	-	3	-	-	-	-	15980
Heat generated - TJ	-	-	-	7715	-	-	-	-	-	-	7715

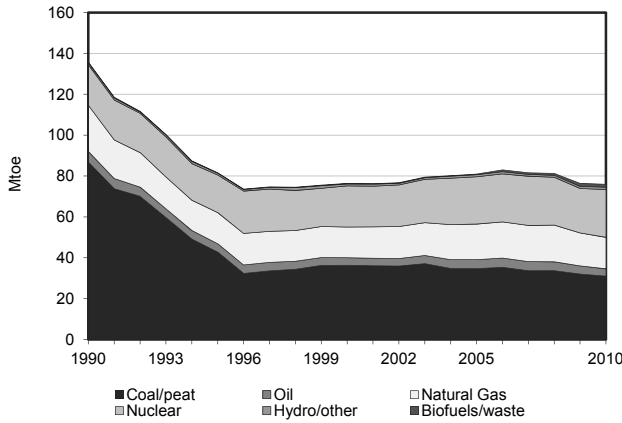
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	9408	-	36885	-	0	-	-	-	-	46293
Imports	-	-	88	-	-	-	-	-	-	-	88
Exports	-	-1809	-3179	-19549	-	-	-	-	-207	-	-24744
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-331	-	-	-	-	-	-	-	-331
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	-	<b>7599</b>	<b>-3421</b>	<b>17336</b>	-	<b>0</b>	-	-	<b>-207</b>	-	<b>21307</b>
Electricity and CHP plants	-	-	-	-7011	-	-0	-	-	1433	192	-5386
Oil refineries	-	-6934	6893	-	-	-	-	-	-	-	-41
Other transformation*	-	-665	-530	-2048	-	-	-	-	-435	-	-3677
<b>TFC</b>	-	-	<b>2942</b>	<b>8277</b>	-	-	-	-	<b>790</b>	<b>192</b>	<b>12202</b>
<b>INDUSTRY</b>	-	-	<b>513</b>	<b>648</b>	-	-	-	-	<b>285</b>	-	<b>1446</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	93	-	93
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	513	648	-	-	-	-	193	-	1354
<b>TRANSPORT</b>	-	-	<b>833</b>	<b>798</b>	-	-	-	-	<b>20</b>	-	<b>1651</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	833	-	-	-	-	-	-	-	833
Other/non-specified	-	-	-	798	-	-	-	-	20	-	818
<b>OTHER</b>	-	-	<b>1596</b>	<b>6831</b>	-	-	-	-	<b>485</b>	<b>192</b>	<b>9104</b>
Residential	-	-	-	-	-	-	-	-	166	-	166
Comm. and public services	-	-	-	6292	-	-	-	-	-	-	6292
Agriculture/forestry	-	-	-	-	-	-	-	-	251	-	251
Other/non-specified	-	-	1596	539	-	-	-	-	67	192	2395
<b>NON-ENERGY USE</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	-	16657	-	3	-	-	-	-	16660
Heat generated - TJ	-	-	-	8043	-	-	-	-	-	-	8043

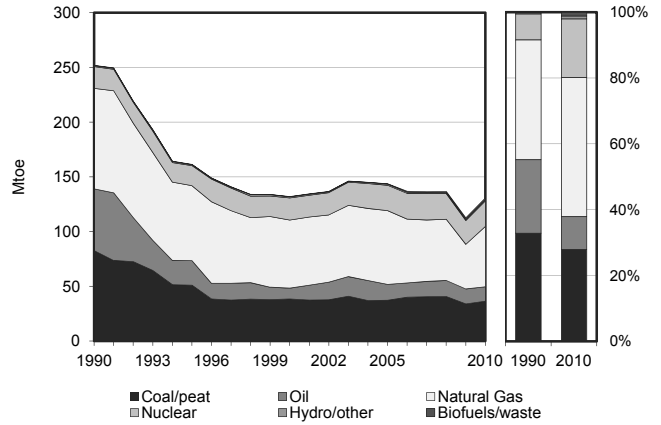
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Ukraine

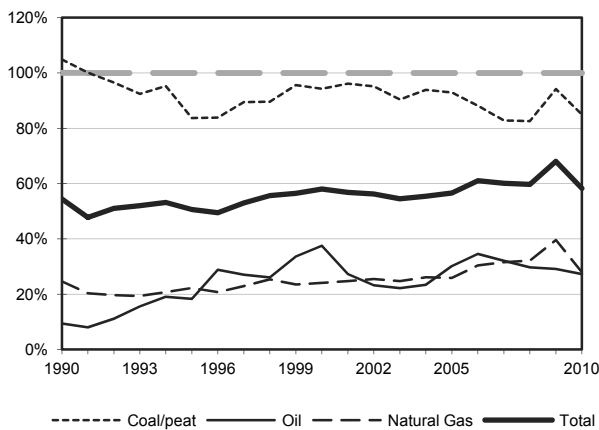
**Figure 1. Energy production**



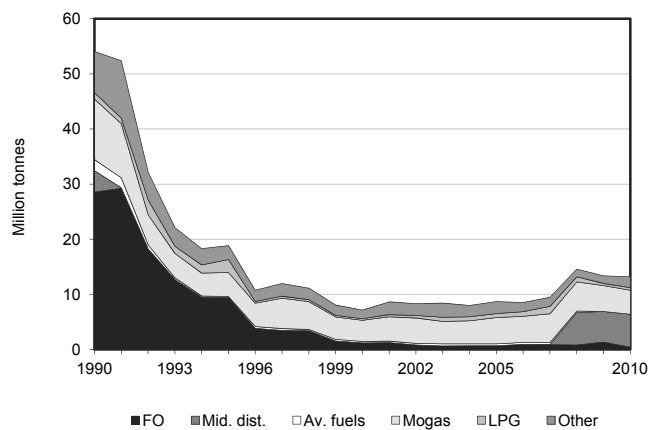
**Figure 2. Total primary energy supply\***



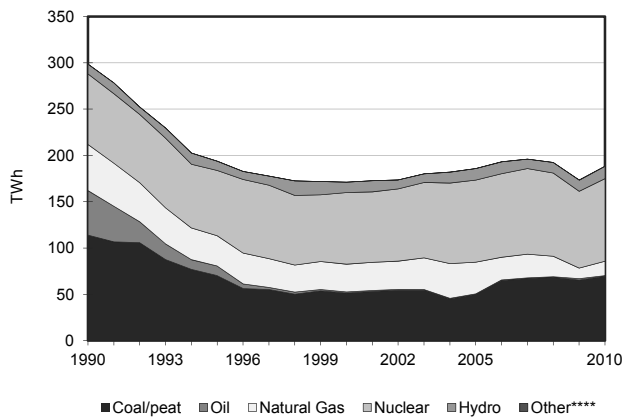
**Figure 3. Energy self-sufficiency\*\***



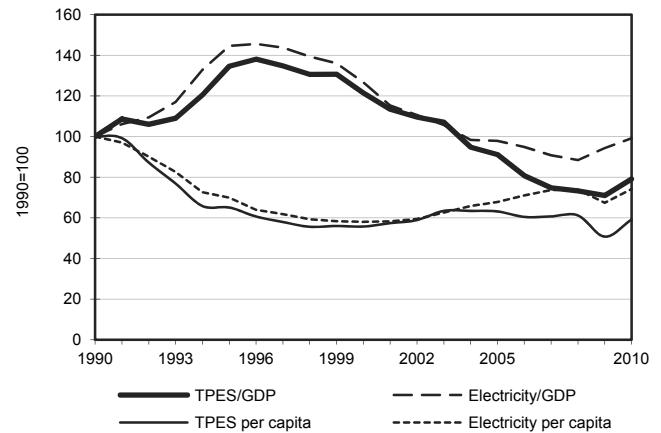
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Ukraine

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	32028	3982	-	16154	21764	1026	4	1450	-	-	76407
Imports	4966	7219	5379	30650	-	-	-	-	2	-	48216
Exports	-3678	-8	-2774	-4	-	-	-	-	-369	-	-6834
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-241	-	-	-	-	-	-	-	-241
Stock changes	693	128	-0	-6011	-	-	-	-18	-	-	-5209
<b>TPES</b>	<b>34008</b>	<b>11320</b>	<b>2362</b>	<b>40789</b>	<b>21764</b>	<b>1026</b>	<b>4</b>	<b>1433</b>	<b>-367</b>	<b>-</b>	<b>112338</b>
Transfers	-	823	-736	-	-	-	-	-	-	-	87
Statistical differences	934	28	-325	-387	-	-	-	-	-	-	250
Electricity plants	-15304	-	-239	-332	-21610	-1026	-4	-	13744	-	-24771
CHP plants	-1584	-	-815	-3870	-	-	-	-354	1187	4067	-1367
Heat plants	-1139	-	-161	-8827	-153	-	-	-	-	9504	-777
Blast furnaces	-4380	-	-	-	-	-	-	-	-	-	-4380
Gas works	-4	-	-	-	-	-	-	-	-	-	-4
Coke/pat.fuel/BKB plants	-2695	-	-	-	-	-	-	-0	-	-	-2696
Oil refineries	-	-12143	12149	-	-	-	-	-	-	-	6
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-34	-	-	-	-	-	-	-34
Other transformation	-38	-	-82	-	-	-	-	-37	-	-	-156
Energy industry own use	-1657	-2	-573	-1012	-	-	-	-1	-2718	-90	-6053
Losses	-166	-13	-3	-724	-	-	-	-	-1780	-745	-3431
<b>TFC</b>	<b>7975</b>	<b>13</b>	<b>11579</b>	<b>25603</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1041</b>	<b>10067</b>	<b>12736</b>	<b>69014</b>
<b>INDUSTRY</b>	<b>6810</b>	<b>6</b>	<b>1178</b>	<b>5597</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>46</b>	<b>4610</b>	<b>-</b>	<b>18248</b>
Iron and steel	5919	-	214	3407	-	-	-	1	2006	-	11546
Chemical and petrochemical	15	-	27	309	-	-	-	0	346	-	697
Non-ferrous metals	2	-	20	182	-	-	-	-	-	-	205
Non-metallic minerals	372	-	61	782	-	-	-	18	216	-	1448
Transport equipment	1	-	18	42	-	-	-	-	128	-	189
Machinery	5	-	39	161	-	-	-	0	296	-	501
Mining and quarrying	27	-	244	352	-	-	-	2	739	-	1364
Food and tobacco	19	-	124	279	-	-	-	11	359	-	793
Paper pulp and printing	1	-	9	24	-	-	-	0	93	-	127
Wood and wood products	-	-	10	21	-	-	-	12	40	-	83
Construction	5	1	257	32	-	-	-	1	101	-	398
Textile and leather	1	-	3	6	-	-	-	0	30	-	40
Non-specified	443	5	152	-	-	-	-	1	257	-	858
<b>TRANSPORT</b>	<b>25</b>	<b>-</b>	<b>7591</b>	<b>3329</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>786</b>	<b>-</b>	<b>11732</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	7331	52	-	-	-	0	-	-	7384
Rail	25	-	163	-	-	-	-	1	501	-	689
Pipeline transport	-	-	8	3277	-	-	-	-	49	-	3335
Domestic navigation	-	-	38	-	-	-	-	-	-	-	38
Non-specified	1	-	48	-	-	-	-	0	236	-	285
<b>OTHER</b>	<b>748</b>	<b>7</b>	<b>1959</b>	<b>13656</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>994</b>	<b>4670</b>	<b>12736</b>	<b>34770</b>
Residential	567	-	51	13213	-	-	-	935	2886	-	17653
Comm. and publ. services	165	-	710	297	-	-	-	42	1507	-	2721
Agriculture/forestry	16	-	1191	145	-	-	-	17	273	-	1641
Fishing	-	-	8	0	-	-	-	-	4	-	12
Non-specified	-	7	-	-	-	-	-	-	-	12736	12743
<b>NON-ENERGY USE</b>	<b>392</b>	<b>-</b>	<b>851</b>	<b>3020</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4263</b>
in industry/transf./energy	392	-	843	3020	-	-	-	-	-	-	4255
of which: feedstocks	46	-	203	2838	-	-	-	-	-	-	3087
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	8	-	-	-	-	-	-	-	8
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>65460</b>	<b>-</b>	<b>1528</b>	<b>11477</b>	<b>82924</b>	<b>11936</b>	<b>43</b>	<b>251</b>	<b>-</b>	<b>-</b>	<b>173619</b>
Electricity plants	62245	-	1034	1629	82924	11936	43	-	-	-	159811
CHP plants	3215	-	494	9848	-	-	-	251	-	-	13808
<b>Heat generated - TJ</b>	<b>95099</b>	<b>-</b>	<b>29181</b>	<b>431042</b>	<b>6412</b>	<b>-</b>	<b>-</b>	<b>6544</b>	<b>-</b>	<b>-</b>	<b>568278</b>
CHP plants	49890	-	22791	91079	-	-	-	6544	-	-	170304
Heat plants	45209	-	6390	339963	6412	-	-	-	-	-	397974

## Ukraine

2010

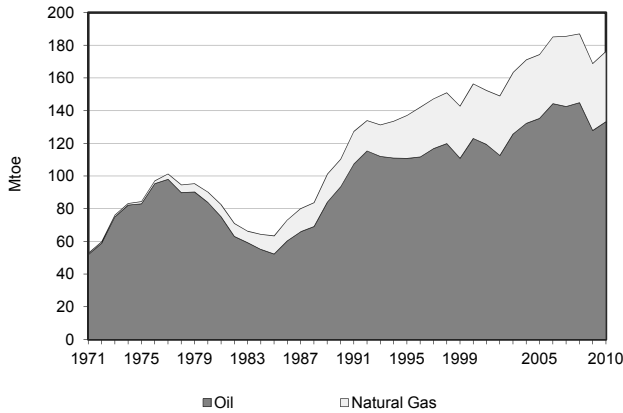
Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	30998	3590	-	15426	23387	1131	8	1458	-	-	75998
Imports	7617	7827	6029	29551	-	-	-	-	2	-	51025
Exports	-4435	-	-4066	-5	-	-	-	-	-351	-	-8856
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-274	-	-	-	-	-	-	-	-274
Stock changes	2280	59	-7	10256	-	-	-	18	-	-	12606
<b>TPES</b>	<b>36460</b>	<b>11476</b>	<b>1682</b>	<b>55229</b>	<b>23387</b>	<b>1131</b>	<b>8</b>	<b>1476</b>	<b>-349</b>	<b>-</b>	<b>130499</b>
Transfers	-	522	-466	-	-	-	-	-	-	-	56
Statistical differences	694	-94	-557	-9573	-	-	-	-	-	160	-9371
Electricity plants	-16535	-	-84	-696	-23234	-1131	-8	-	14792	-	-26896
CHP plants	-1791	-	-136	-5429	-	-	-	-394	1426	4759	-1565
Heat plants	-1049	-	-140	-9376	-153	-	-	-	-	10102	-617
Blast furnaces	-4672	-	-	-	-	-	-	-	-	-	-4672
Gas works	-43	-	-	-	-	-	-	-	-	-	-43
Coke/pat.fuel/BKB plants	-2793	-	-	-	-	-	-	-0	-	-	-2793
Oil refineries	-	-11880	12630	-	-	-	-	-	-	-	750
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-8	-	-86	-	-	-	-	-73	-	-	-167
Energy industry own use	-1802	-2	-544	-1076	-	-	-	-3	-2478	-1888	-7793
Losses	-201	-12	-7	-682	-	-	-	-	-1866	-834	-3602
<b>TFC</b>	<b>8258</b>	<b>10</b>	<b>12292</b>	<b>28396</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1005</b>	<b>11526</b>	<b>12299</b>	<b>73787</b>
<b>INDUSTRY</b>	<b>7089</b>	<b>4</b>	<b>1391</b>	<b>6437</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55</b>	<b>5668</b>	<b>5155</b>	<b>25799</b>
Iron and steel	5932	-	255	4160	-	-	-	8	2183	1435	13973
Chemical and petrochemical	16	-	112	328	-	-	-	0	426	1221	2103
Non-ferrous metals	30	-	6	214	-	-	-	0	115	291	656
Non-metallic minerals	600	-	64	734	-	-	-	21	243	91	1753
Transport equipment	1	-	22	55	-	-	-	0	156	103	339
Machinery	4	-	38	199	-	-	-	1	342	174	757
Mining and quarrying	25	-	302	404	-	-	-	0	850	439	2019
Food and tobacco	32	-	132	248	-	-	-	11	380	1080	1885
Paper pulp and printing	1	-	9	25	-	-	-	0	93	143	272
Wood and wood products	-	-	10	25	-	-	-	14	44	63	155
Construction	5	-	268	37	-	-	-	1	102	80	492
Textile and leather	1	-	3	6	-	-	-	0	30	35	75
Non-specified	442	4	170	-	-	-	-	-	703	-	1319
<b>TRANSPORT</b>	<b>27</b>	<b>-</b>	<b>7539</b>	<b>3303</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>772</b>	<b>-</b>	<b>11640</b>
Domestic aviation	-	-	2	-	-	-	-	-	-	-	2
Road	-	-	7270	45	-	-	-	0	-	-	7315
Rail	24	-	178	-	-	-	-	0	539	-	741
Pipeline transport	-	-	9	3250	-	-	-	-	105	-	3365
Domestic navigation	-	-	80	-	-	-	-	-	-	-	80
Non-specified	3	-	-	8	-	-	-	-	127	-	138
<b>OTHER</b>	<b>671</b>	<b>6</b>	<b>2385</b>	<b>14544</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>950</b>	<b>5086</b>	<b>7144</b>	<b>30786</b>
Residential	481	-	60	14063	-	-	-	926	3160	6529	25218
Comm. and publ. services	174	-	775	348	-	-	-	6	1644	537	3485
Agriculture/forestry	16	-	1255	128	-	-	-	17	282	79	1777
Fishing	-	-	8	1	-	-	-	0	-	0	9
Non-specified	-	6	287	4	-	-	-	-	-	-	297
<b>NON-ENERGY USE</b>	<b>472</b>	<b>-</b>	<b>977</b>	<b>4112</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5561</b>
in industry/transf./energy	472	-	891	4112	-	-	-	-	-	-	5475
of which: feedstocks	43	-	142	3945	-	-	-	-	-	-	4129
in transport	-	-	63	-	-	-	-	-	-	-	63
in other	-	-	23	-	-	-	-	-	-	-	23
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>69561</b>	<b>-</b>	<b>666</b>	<b>15675</b>	<b>89152</b>	<b>13152</b>	<b>97</b>	<b>281</b>	<b>-</b>	<b>-</b>	<b>188584</b>
Electricity plants	66151	-	370	3076	89152	13152	97	-	-	-	171998
CHP plants	3410	-	296	12599	-	-	-	281	-	-	16586
<b>Heat generated - TJ</b>	<b>92913</b>	<b>-</b>	<b>8361</b>	<b>507321</b>	<b>6413</b>	<b>-</b>	<b>-</b>	<b>7301</b>	<b>-</b>	<b>-</b>	<b>622309</b>
CHP plants	52471	-	3479	136043	-	-	-	7301	-	-	199294
Heat plants	40442	-	4882	371278	6413	-	-	-	-	-	423015

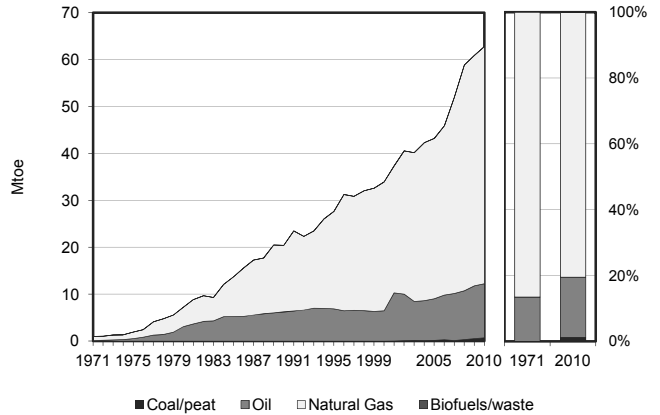


### United Arab Emirates

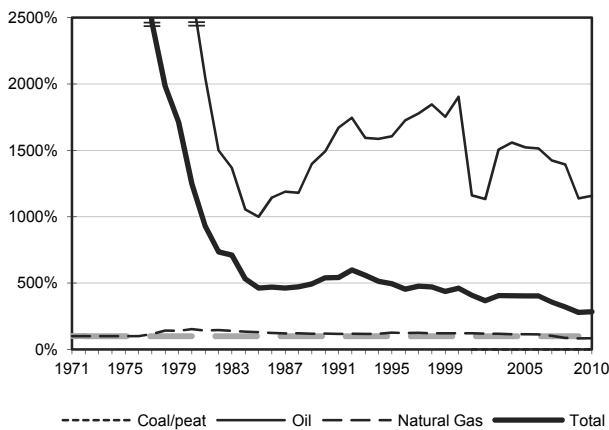
**Figure 1. Energy production**



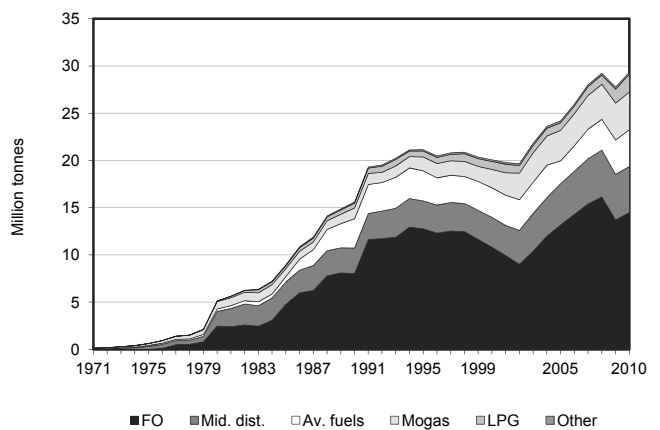
**Figure 2. Total primary energy supply\***



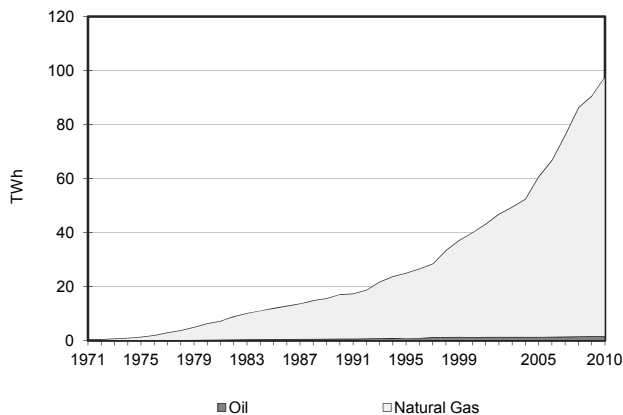
**Figure 3. Energy self-sufficiency\*\***



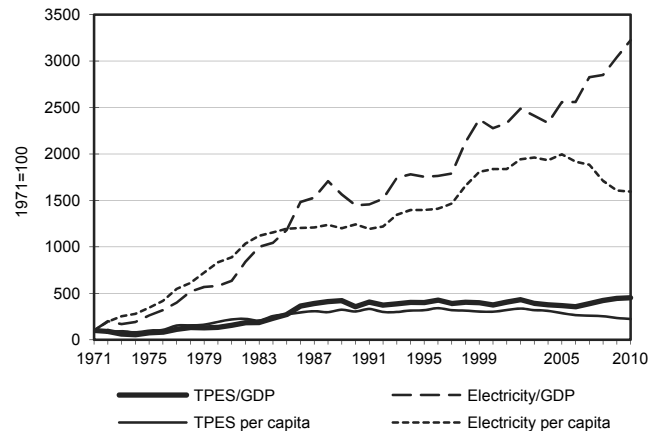
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference. Maximum scale refers to values greater than or equal to 2500%.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## United Arab Emirates

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	127883	-	40917	-	-	-	-	-	-	168800
Imports	551	-	15481	14087	-	-	-	25	-	-	30143
Exports	-	-101626	-14504	-5875	-	-	-	-	-584	-	-122589
Intl. marine bunkers	-	-	-12129	-	-	-	-	-	-	-	-12129
Intl. aviation bunkers	-	-	-3873	-	-	-	-	-	-	-	-3873
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>551</b>	<b>26258</b>	<b>-15026</b>	<b>49128</b>	-	-	-	<b>25</b>	<b>-584</b>	-	<b>60352</b>
Electricity and CHP plants	-	-	-555	-23732	-	-	-	-	7789	-	-16498
Oil refineries	-	-18665	18856	-	-	-	-	-	-	-	190
Other transformation*	-	-7592	8113	-588	-	-	-	-	-876	-	-943
<b>TFC</b>	<b>551</b>	-	<b>11387</b>	<b>24808</b>	-	-	-	<b>25</b>	<b>6330</b>	-	<b>43101</b>
<b>INDUSTRY</b>	<b>551</b>	-	<b>1145</b>	<b>24605</b>	-	-	-	-	<b>757</b>	-	<b>27059</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	24	133	-	-	-	-	-	-	157
Non-metallic minerals	551	-	-	-	-	-	-	-	-	-	551
Other/non-specified	-	-	1121	24472	-	-	-	-	757	-	26351
<b>TRANSPORT</b>	-	-	<b>8529</b>	-	-	-	-	-	-	-	<b>8529</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	8529	-	-	-	-	-	-	-	8529
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>184</b>	-	-	-	-	<b>25</b>	<b>5573</b>	-	<b>5782</b>
Residential	-	-	184	-	-	-	-	-	2702	-	2886
Comm. and public services	-	-	-	-	-	-	-	-	2323	-	2323
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	25	548	-	573
<b>NON-ENERGY USE</b>	-	-	<b>1528</b>	<b>203</b>	-	-	-	-	-	-	<b>1731</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1625	88948	-	-	-	-	-	-	90573
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

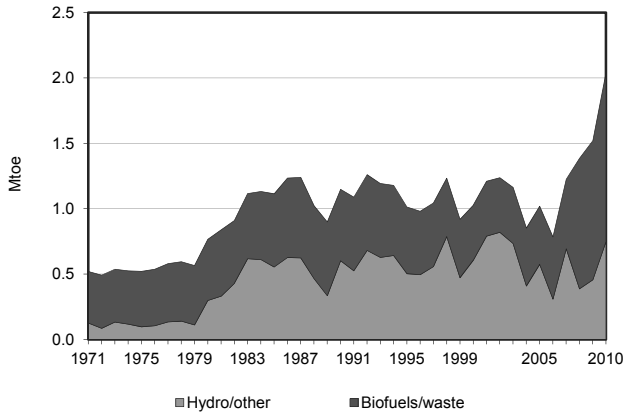
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	133322	-	42970	-	-	-	-	-	-	176291
Imports	716	-	18040	14217	-	-	-	25	-	-	32998
Exports	-	-106411	-16363	-6621	-	-	-	-	-692	-	-130087
Intl. marine bunkers	-	-	-12902	-	-	-	-	-	-	-	-12902
Intl. aviation bunkers	-	-	-4167	-	-	-	-	-	-	-	-4167
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>716</b>	<b>26910</b>	<b>-15392</b>	<b>50566</b>	-	-	-	<b>25</b>	<b>-692</b>	-	<b>62133</b>
Electricity and CHP plants	-	-	-559	-24262	-	-	-	-	8405	-	-16416
Oil refineries	-	-16911	17174	-	-	-	-	-	-	-	263
Other transformation*	-	-9999	10768	-662	-	-	-	-	-888	-	-781
<b>TFC</b>	<b>716</b>	-	<b>11991</b>	<b>25643</b>	-	-	-	<b>25</b>	<b>6824</b>	-	<b>45198</b>
<b>INDUSTRY</b>	<b>716</b>	-	<b>1127</b>	<b>25418</b>	-	-	-	-	<b>653</b>	-	<b>27914</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	31	147	-	-	-	-	-	-	177
Non-metallic minerals	716	-	-	-	-	-	-	-	-	-	716
Other/non-specified	-	-	1097	25271	-	-	-	-	653	-	27021
<b>TRANSPORT</b>	-	-	<b>8652</b>	-	-	-	-	-	-	-	<b>8652</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	8652	-	-	-	-	-	-	-	8652
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>212</b>	-	-	-	-	<b>25</b>	<b>6171</b>	-	<b>6408</b>
Residential	-	-	212	-	-	-	-	-	2658	-	2870
Comm. and public services	-	-	-	-	-	-	-	-	2429	-	2429
Agriculture/forestry	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	-	-	-	-	-	25	1084	-	1109
<b>NON-ENERGY USE</b>	-	-	<b>1999</b>	<b>224</b>	-	-	-	-	-	-	<b>2224</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1442	96286	-	-	-	-	-	-	97728
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

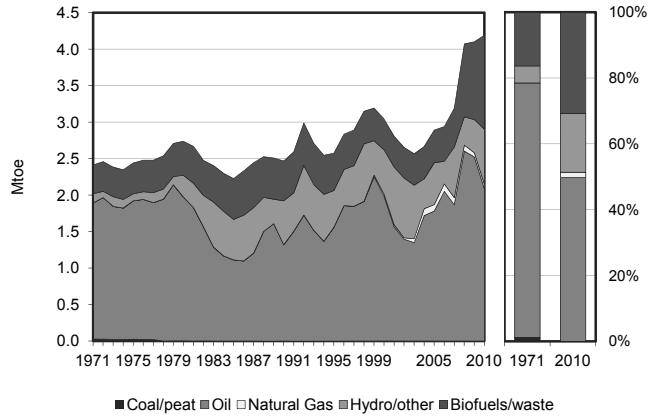
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Uruguay

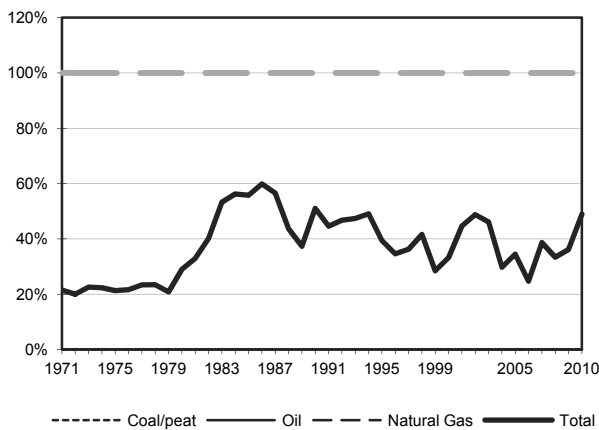
**Figure 1. Energy production**



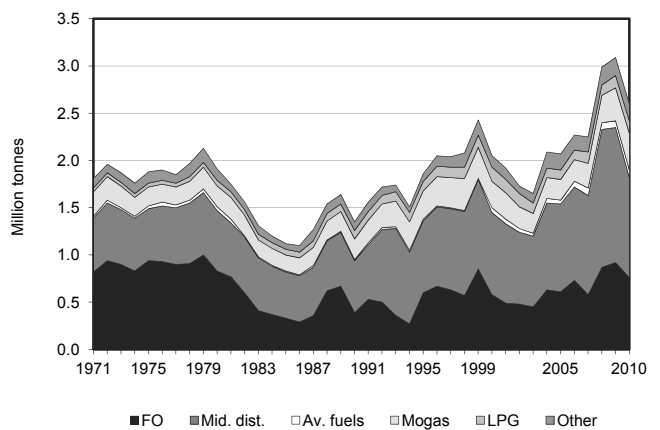
**Figure 2. Total primary energy supply\***



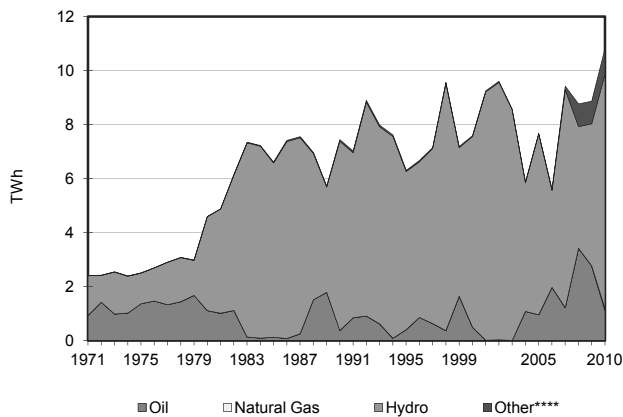
**Figure 3. Energy self-sufficiency\*\***



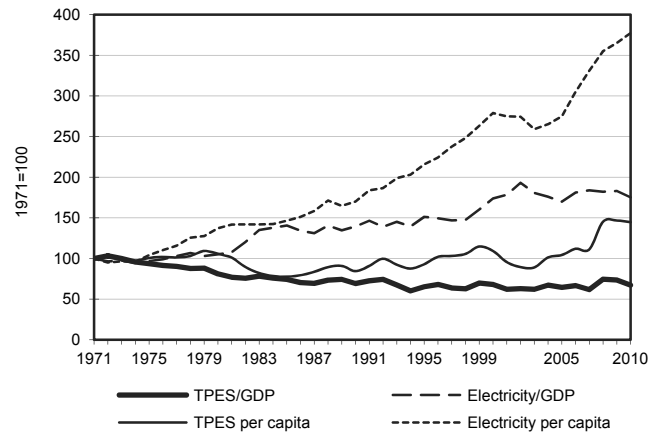
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Uruguay

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	452	4	1064	-	-	1520
Imports	2	2030	1179	58	-	-	-	2	126	-	3398
Exports	-	-	-153	-	-	-	-	-	-22	-	-176
Intl. marine bunkers	-	-	-505	-	-	-	-	-	-	-	-505
Intl. aviation bunkers	-	-	-72	-	-	-	-	-	-	-	-72
Stock changes	-	58	-16	-	-	-	-	-	-	-	42
<b>TPES</b>	<b>2</b>	<b>2089</b>	<b>433</b>	<b>58</b>	<b>-</b>	<b>452</b>	<b>4</b>	<b>1065</b>	<b>104</b>	<b>-</b>	<b>4207</b>
Electricity and CHP plants	-	-	-716	-4	-	-452	-4	-134	763	-	-548
Oil refineries	-	-2090	2083	-	-	-	-	-	-	-	-7
Other transformation*	-	1	-220	-6	-	-	-	0	-111	-	-336
<b>TFC</b>	<b>2</b>	<b>-</b>	<b>1580</b>	<b>48</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>931</b>	<b>755</b>	<b>-</b>	<b>3316</b>
<b>INDUSTRY</b>	<b>2</b>	<b>-</b>	<b>193</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>586</b>	<b>216</b>	<b>-</b>	<b>1014</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	2	-	193	17	-	-	-	586	216	-	1014
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>943</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>943</b>
Domestic aviation	-	-	4	-	-	-	-	-	-	-	4
Road	-	-	938	-	-	-	-	-	-	-	938
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>374</b>	<b>31</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>345</b>	<b>539</b>	<b>-</b>	<b>1289</b>
Residential	-	-	148	16	-	-	-	296	290	-	750
Comm. and public services	-	-	50	15	-	-	-	19	215	-	299
Agriculture/forestry	-	-	13	-	-	-	-	29	24	-	66
Other/non-specified	-	-	164	-	-	-	-	-	10	-	174
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>70</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	2753	19	-	5260	42	793	-	-	8867
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	-	-	-	-	745	6	1287	-	-	2038
Imports	2	1950	775	64	-	-	-	2	33	-	2827
Exports	-	-	-206	-	-	-	-	-	-61	-	-267
Intl. marine bunkers	-	-	-446	-	-	-	-	-	-	-	-446
Intl. aviation bunkers	-	-	-80	-	-	-	-	-	-	-	-80
Stock changes	-	58	35	-	-	-	-	-	-	-	93
<b>TPES</b>	<b>2</b>	<b>2009</b>	<b>78</b>	<b>64</b>	<b>-</b>	<b>745</b>	<b>6</b>	<b>1288</b>	<b>-28</b>	<b>-</b>	<b>4165</b>
Electricity and CHP plants	-	-	-266	-17	-	-745	-6	-131	930	-	-235
Oil refineries	-	-2009	2007	-	-	-	-	-	-	-	-2
Other transformation*	-	-	-197	-2	-	-	-	0	-122	-	-321
<b>TFC</b>	<b>2</b>	<b>-</b>	<b>1622</b>	<b>46</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1157</b>	<b>779</b>	<b>-</b>	<b>3607</b>
<b>INDUSTRY</b>	<b>2</b>	<b>-</b>	<b>181</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>807</b>	<b>218</b>	<b>-</b>	<b>1221</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	2	-	181	13	-	-	-	807	218	-	1221
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>989</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>989</b>
Domestic aviation	-	-	4	-	-	-	-	-	-	-	4
Road	-	-	983	-	-	-	-	-	-	-	983
Other/non-specified	-	-	1	-	-	-	-	-	-	-	1
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>382</b>	<b>33</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>351</b>	<b>561</b>	<b>-</b>	<b>1327</b>
Residential	-	-	154	17	-	-	-	293	301	-	764
Comm. and public services	-	-	60	16	-	-	-	23	230	-	329
Agriculture/forestry	-	-	5	-	-	-	-	35	25	-	65
Other/non-specified	-	-	163	-	-	-	-	-	6	-	169
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>70</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	1112	80	-	8666	68	885	-	-	10811
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Uzbekistan

Figure 1. Energy production

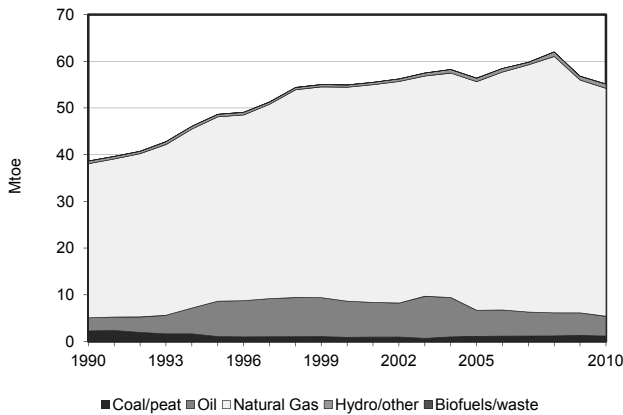


Figure 2. Total primary energy supply\*

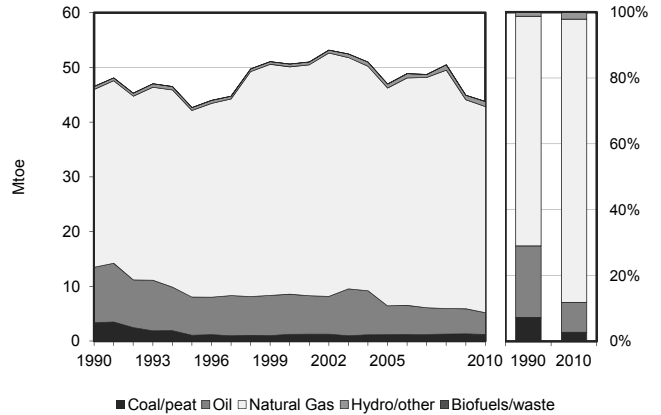


Figure 3. Energy self-sufficiency\*\*

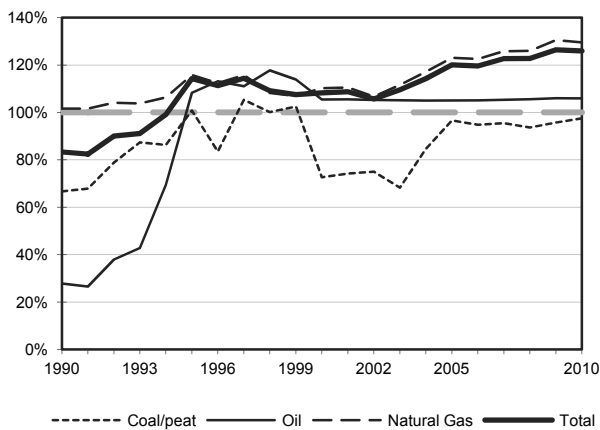


Figure 4. Oil products demand\*\*\*

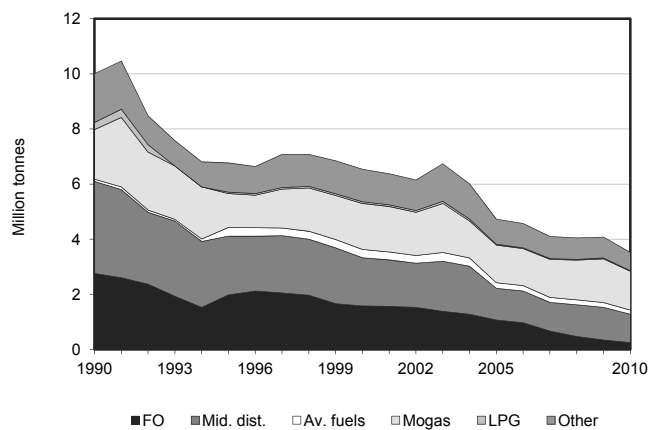


Figure 5. Electricity generation by fuel

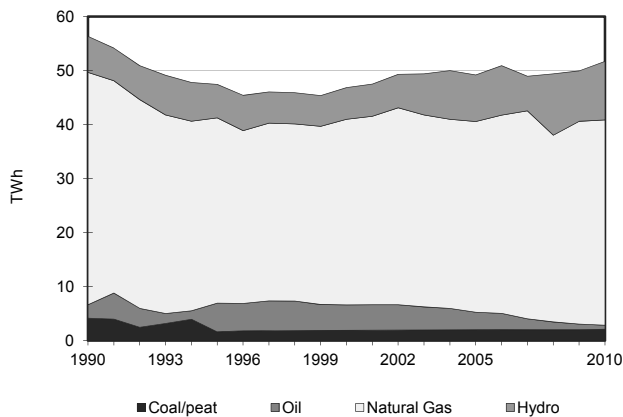
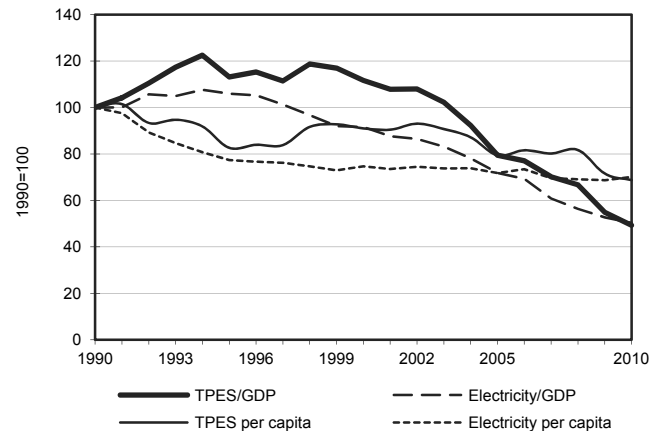


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Uzbekistan

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1288	4843	-	49870	-	802	-	0	-	-	56804
Imports	70	8	-	686	-	-	-	-	997	-	1761
Exports	-13	-	-283	-12344	-	-	-	-	-1004	-	-13644
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>1345</b>	<b>4851</b>	<b>-283</b>	<b>38213</b>	<b>-</b>	<b>802</b>	<b>-</b>	<b>0</b>	<b>-7</b>	<b>-</b>	<b>44921</b>
Transfers	-	-16	18	-	-	-	-	-	-	-	2
Statistical differences	-	1	-157	-	-	-	-	-	-	-	-156
Electricity plants	-476	-	-130	-5662	-	-802	-	-	2707	-	-4364
CHP plants	-411	-	-166	-5789	-	-	-	-	1589	1266	-3511
Heat plants	-1	-	-24	-1638	-	-	-	-	-	1016	-648
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-4689	4447	-	-	-	-	-	-	-	-243
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-2	-9	-183	-1420	-	-	-	-	-367	-	-1981
Losses	-13	-56	-	-1332	-	-	-	-	-378	-	-1779
<b>TFC</b>	<b>442</b>	<b>81</b>	<b>3521</b>	<b>22373</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>3543</b>	<b>2281</b>	<b>32242</b>
<b>INDUSTRY</b>	<b>108</b>	<b>-</b>	<b>224</b>	<b>5289</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1357</b>	<b>-</b>	<b>6978</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	1	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	4	-	-	-	-	-	-	-	4
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	181	-	-	-	-	-	-	-	181
Textile and leather	-	-	14	-	-	-	-	-	-	-	14
Non-specified	108	-	23	5289	-	-	-	-	1357	-	6777
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>2044</b>	<b>1162</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>117</b>	<b>-</b>	<b>3323</b>
Domestic aviation	-	-	178	-	-	-	-	-	-	-	178
Road	-	-	1798	51	-	-	-	-	-	-	1850
Rail	-	-	68	-	-	-	-	-	14	-	82
Pipeline transport	-	-	-	1111	-	-	-	-	75	-	1186
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	28	-	28
<b>OTHER</b>	<b>334</b>	<b>-</b>	<b>836</b>	<b>14494</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>2070</b>	<b>2281</b>	<b>20014</b>
Residential	16	-	14	11971	-	-	-	-	642	-	12643
Comm. and publ. services	-	-	-	2394	-	-	-	-	275	-	2669
Agriculture/forestry	4	-	650	128	-	-	-	-	1152	-	1935
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	314	-	172	-	-	-	-	0	-	2281	2767
<b>NON-ENERGY USE</b>	<b>-</b>	<b>81</b>	<b>417</b>	<b>1428</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1926</b>
in industry/transf./energy	-	81	331	1428	-	-	-	-	-	-	1841
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	85	-	-	-	-	-	-	-	85
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2041</b>	<b>-</b>	<b>1038</b>	<b>37541</b>	<b>-</b>	<b>9330</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>49950</b>
Electricity plants	1339	-	504	20303	-	9330	-	-	-	-	31476
CHP plants	702	-	534	17238	-	-	-	-	-	-	18474
<b>Heat generated - TJ</b>	<b>4536</b>	<b>-</b>	<b>2310</b>	<b>88690</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>95536</b>
CHP plants	4487	-	1809	46708	-	-	-	-	-	-	53004
Heat plants	49	-	501	41982	-	-	-	-	-	-	42532

## Uzbekistan

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1175	4225	-	48814	-	932	-	0	-	-	55147
Imports	42	9	-	549	-	-	-	-	1032	-	1632
Exports	-12	-	-246	-11694	-	-	-	-	-1039	-	-12992
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-	-	-	-	-
<b>TPES</b>	<b>1205</b>	<b>4234</b>	<b>-246</b>	<b>37669</b>	<b>-</b>	<b>932</b>	<b>-</b>	<b>0</b>	<b>-7</b>	<b>-</b>	<b>43787</b>
Transfers	-	-13	14	-	-	-	-	-	-	-	1
Statistical differences	-	1	-252	-	-	-	-	-	-	-	-251
Electricity plants	-493	-	-95	-5731	-	-932	-	-	2850	-	-4401
CHP plants	-426	-	-121	-5859	-	-	-	-	1597	1271	-3538
Heat plants	-1	-	-18	-1680	-	-	-	-	-	998	-701
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-4095	3968	-	-	-	-	-	-	-	-127
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-2	-8	-160	-1379	-	-	-	-	-380	-	-1929
Losses	-12	-49	-	-1293	-	-	-	-	-391	-	-1745
<b>TFC</b>	<b>272</b>	<b>70</b>	<b>3090</b>	<b>21727</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>3669</b>	<b>2270</b>	<b>31097</b>
<b>INDUSTRY</b>	<b>86</b>	<b>-</b>	<b>197</b>	<b>5136</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1405</b>	<b>-</b>	<b>6824</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	1	-	-	-	-	-	-	-	1
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	4	-	-	-	-	-	-	-	4
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	-	-	-	-
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	159	-	-	-	-	-	-	-	159
Textile and leather	-	-	13	-	-	-	-	-	-	-	13
Non-specified	86	-	20	5136	-	-	-	-	1405	-	6647
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>1810</b>	<b>1129</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>121</b>	<b>-</b>	<b>3059</b>
Domestic aviation	-	-	155	-	-	-	-	-	-	-	155
Road	-	-	1596	50	-	-	-	-	-	-	1645
Rail	-	-	59	-	-	-	-	-	15	-	74
Pipeline transport	-	-	-	1079	-	-	-	-	77	-	1156
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	29	-	29
<b>OTHER</b>	<b>186</b>	<b>-</b>	<b>719</b>	<b>14075</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>2143</b>	<b>2270</b>	<b>19393</b>
Residential	15	-	12	11625	-	-	-	-	665	-	12317
Comm. and publ. services	-	-	-	2325	-	-	-	-	284	-	2610
Agriculture/forestry	4	-	562	124	-	-	-	-	1193	-	1883
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	167	-	146	-	-	-	-	0	-	2270	2584
<b>NON-ENERGY USE</b>	<b>-</b>	<b>70</b>	<b>364</b>	<b>1387</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1821</b>
in industry/transf./energy	-	70	289	1387	-	-	-	-	-	-	1747
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	74	-	-	-	-	-	-	-	74
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>2113</b>	<b>-</b>	<b>758</b>	<b>37999</b>	<b>-</b>	<b>10840</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>51710</b>
Electricity plants	1386	-	368	20551	-	10840	-	-	-	-	33145
CHP plants	727	-	390	17448	-	-	-	-	-	-	18565
<b>Heat generated - TJ</b>	<b>4696</b>	<b>-</b>	<b>1686</b>	<b>88663</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>95045</b>
CHP plants	4645	-	1320	47278	-	-	-	-	-	-	53243
Heat plants	51	-	366	41385	-	-	-	-	-	-	41802

## Venezuela

Figure 1. Energy production

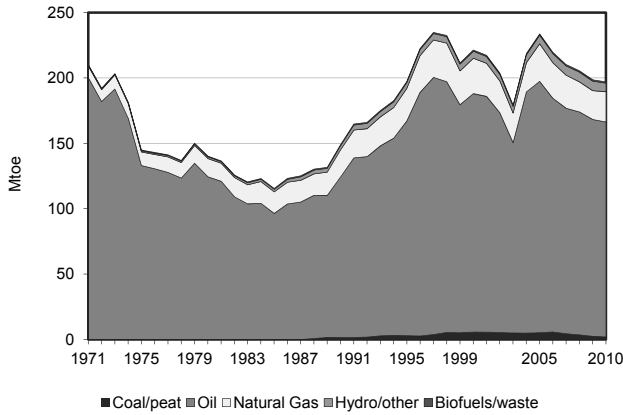


Figure 2. Total primary energy supply\*

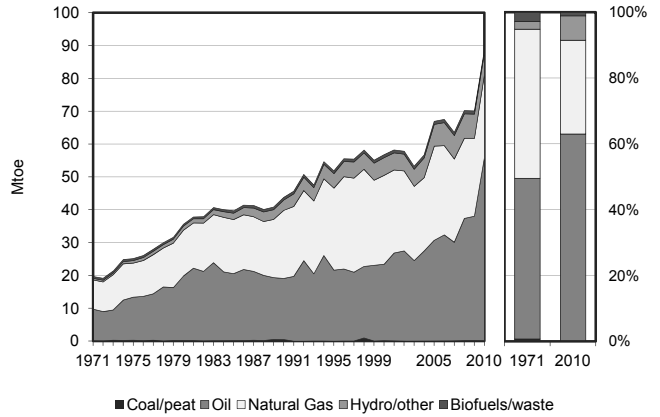


Figure 3. Energy self-sufficiency\*\*

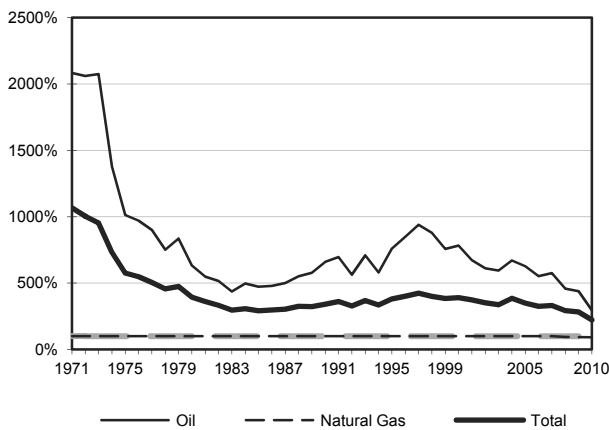


Figure 4. Oil products demand\*\*\*

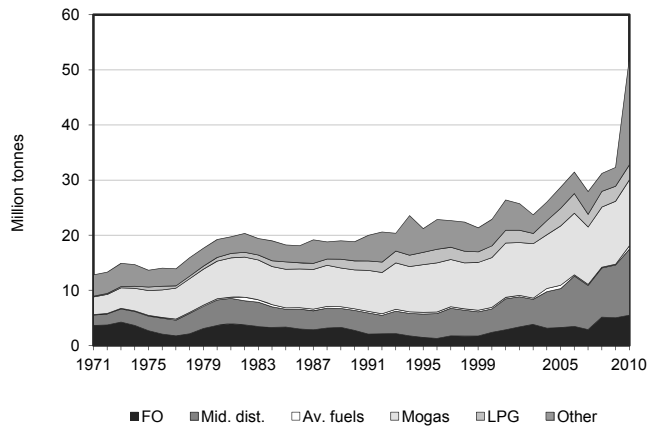


Figure 5. Electricity generation by fuel

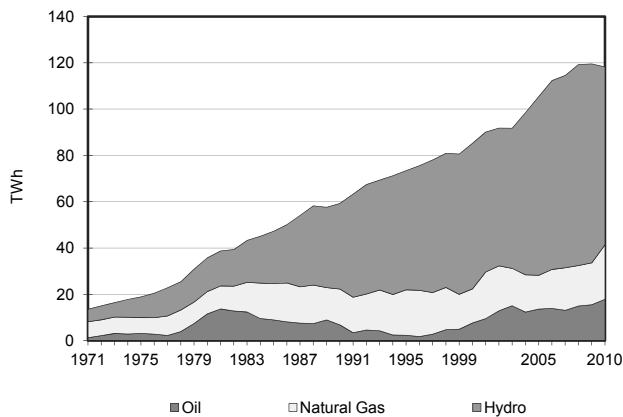
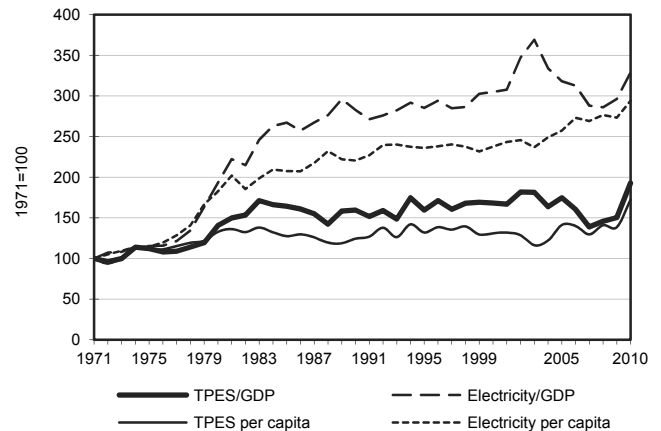


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.



## Venezuela

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	2396	165883	-	21993	-	7393	-	957	-	-	198622
Imports	-	-	-	1717	-	-	-	-	22	-	1739
Exports	-2159	-90364	-33076	-	-	-	-	-	-54	-	-125653
Intl. marine bunkers	-	-	-880	-	-	-	-	-	-	-	-880
Intl. aviation bunkers	-	-	-162	-	-	-	-	-	-	-	-162
Stock changes	-	-6411	2839	-	-	-	-	-	-	-	-3572
<b>TPES</b>	<b>237</b>	<b>69108</b>	<b>-31280</b>	<b>23710</b>	<b>-</b>	<b>7393</b>	<b>-</b>	<b>957</b>	<b>-32</b>	<b>-</b>	<b>70093</b>
Transfers	-	-4149	4868	-	-	-	-	-	-	-	719
Statistical differences	-	-	-1032	5494	-	-	-	-	-223	-	4239
Electricity plants	-	-	-4338	-4703	-	-7393	-	-	10284	-	-6149
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-64958	61630	-	-	-	-	-	-	-	-3328
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-36	-	-	-36
Energy industry own use	-	-	-6744	-16788	-	-	-	-	-274	-	-23806
Losses	-	-	-	-	-	-	-	-	-2801	-	-2801
<b>TFC</b>	<b>237</b>	<b>-</b>	<b>23105</b>	<b>7713</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>921</b>	<b>6955</b>	<b>-</b>	<b>38931</b>
<b>INDUSTRY</b>	<b>237</b>	<b>-</b>	<b>5087</b>	<b>6208</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>331</b>	<b>3067</b>	<b>-</b>	<b>14930</b>
Iron and steel	-	-	-	2175	-	-	-	-	662	-	2837
Chemical and petrochemical	-	-	2301	1921	-	-	-	-	329	-	4551
Non-ferrous metals	-	-	2	299	-	-	-	-	828	-	1130
Non-metallic minerals	237	-	73	471	-	-	-	-	-	-	782
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	331	-	-	331
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	2711	1341	-	-	-	-	1248	-	5300
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>15918</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>	<b>-</b>	<b>15953</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	15918	-	-	-	-	-	-	-	15918
Rail	-	-	-	-	-	-	-	-	25	-	25
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	10	-	-	-	-	-	-	10
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>958</b>	<b>1496</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>590</b>	<b>3863</b>	<b>-</b>	<b>6907</b>
Residential	-	-	940	1151	-	-	-	481	1980	-	4553
Comm. and publ. services	-	-	17	345	-	-	-	109	1843	-	2314
Agriculture/forestry	-	-	-	-	-	-	-	-	39	-	39
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>1142</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1142</b>
in industry/transf./energy	-	-	1142	-	-	-	-	-	-	-	1142
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>15515</b>	<b>18104</b>	<b>-</b>	<b>85962</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>119581</b>
Electricity plants	-	-	15515	18104	-	85962	-	-	-	-	119581
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Venezuela

2010

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1993	160007	-	23147	-	6603	-	957	-	-	192708
Imports	-	-	881	2079	-	-	-	-	-	-	2960
Exports	-1794	-93252	-24159	-	-	-	-	-	-54	-	-119259
Intl. marine bunkers	-	-	-851	-	-	-	-	-	-	-	-851
Intl. aviation bunkers	-	-	-634	-	-	-	-	-	-	-	-634
Stock changes	-	544	1480	-	-	-	-	-	-	-	2024
<b>TPES</b>	<b>199</b>	<b>67299</b>	<b>-23283</b>	<b>25226</b>	<b>-</b>	<b>6603</b>	<b>-</b>	<b>957</b>	<b>-54</b>	<b>-</b>	<b>76948</b>
Transfers	-	-4002	4696	-	-	-	-	-	-	-	693
Statistical differences	-	-2385	-287	5808	-	-	-	-	-421	-	2715
Electricity plants	-	-	-5460	-6114	-	-6603	-	-	10171	-	-8005
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB plants	-	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-60912	56531	-	-	-	-	-	-	-	-4381
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-36	-	-	-36
Energy industry own use	-	-	-3545	-16641	-	-	-	-	-605	-	-20791
Losses	-	-	-	-	-	-	-	-	-1968	-	-1968
<b>TFC</b>	<b>199</b>	<b>-</b>	<b>28653</b>	<b>8279</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>921</b>	<b>7124</b>	<b>-</b>	<b>45176</b>
<b>INDUSTRY</b>	<b>199</b>	<b>-</b>	<b>10176</b>	<b>6729</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>331</b>	<b>3170</b>	<b>-</b>	<b>20604</b>
Iron and steel	-	-	-	2358	-	-	-	-	-	-	2358
Chemical and petrochemical	-	-	2223	2082	-	-	-	-	310	-	4616
Non-ferrous metals	-	-	34	324	-	-	-	-	781	-	1139
Non-metallic minerals	199	-	1002	510	-	-	-	-	-	-	1712
Transport equipment	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	-	-	-	-	-	-	-
Mining and quarrying	-	-	-	-	-	-	-	-	-	-	-
Food and tobacco	-	-	-	-	-	-	-	331	-	-	331
Paper pulp and printing	-	-	-	-	-	-	-	-	-	-	-
Wood and wood products	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-
Textile and leather	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	6918	1453	-	-	-	-	2078	-	10449
<b>TRANSPORT</b>	<b>-</b>	<b>-</b>	<b>16556</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>	<b>-</b>	<b>16591</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	16556	-	-	-	-	-	-	-	16556
Rail	-	-	-	-	-	-	-	-	25	-	25
Pipeline transport	-	-	-	-	-	-	-	-	-	-	-
Domestic navigation	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	10	-	-	-	-	-	-	10
<b>OTHER</b>	<b>-</b>	<b>-</b>	<b>993</b>	<b>1541</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>590</b>	<b>3929</b>	<b>-</b>	<b>7053</b>
Residential	-	-	964	1185	-	-	-	481	2047	-	4677
Comm. and publ. services	-	-	29	355	-	-	-	109	1843	-	2337
Agriculture/forestry	-	-	-	-	-	-	-	-	39	-	39
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>-</b>	<b>-</b>	<b>928</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>928</b>
in industry/transf./energy	-	-	928	-	-	-	-	-	-	-	928
of which: feedstocks	-	-	-	-	-	-	-	-	-	-	-
in transport	-	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity and Heat Output</b>											
<b>Electr. generated - GWh</b>	<b>-</b>	<b>-</b>	<b>17923</b>	<b>23569</b>	<b>-</b>	<b>76780</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>118272</b>
Electricity plants	-	-	17923	23569	-	76780	-	-	-	-	118272
CHP plants	-	-	-	-	-	-	-	-	-	-	-
<b>Heat generated - TJ</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-	-	-	-	-	-	-	-	-	-	-

## Vietnam

Figure 1. Energy production

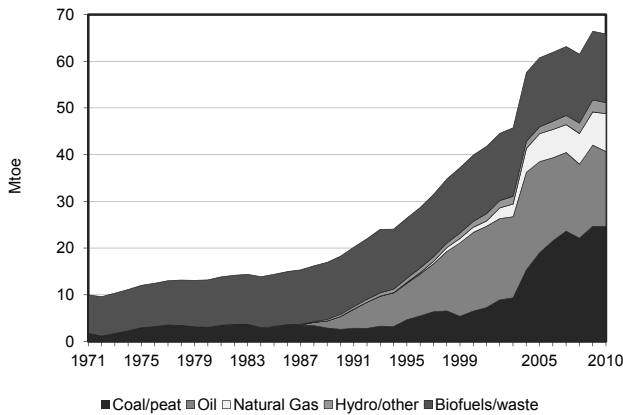


Figure 2. Total primary energy supply\*

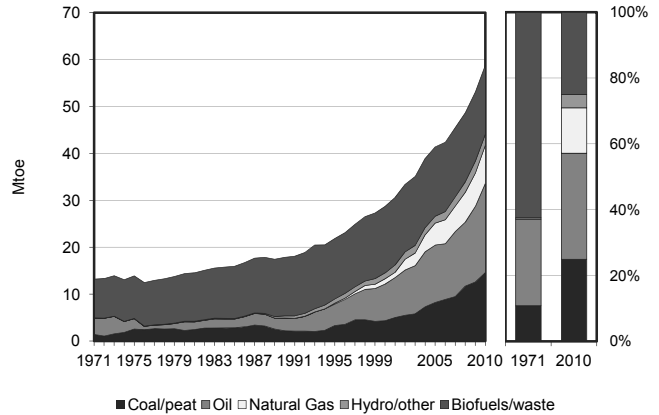


Figure 3. Energy self-sufficiency\*\*

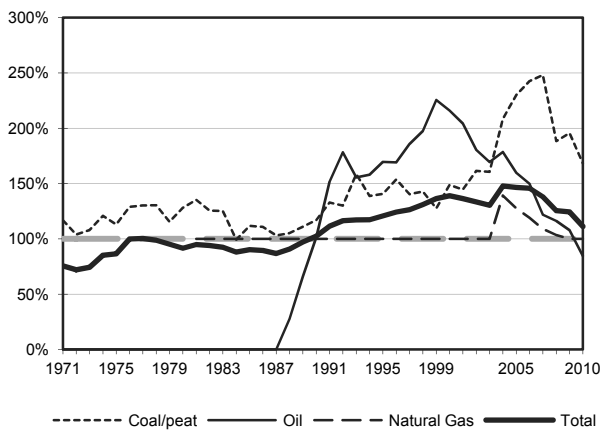


Figure 4. Oil products demand\*\*\*

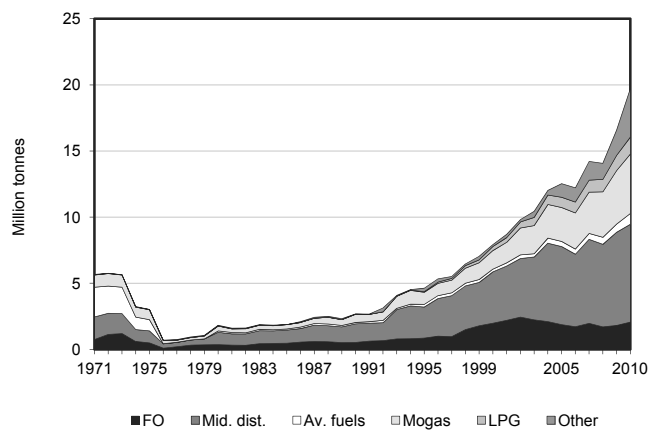


Figure 5. Electricity generation by fuel

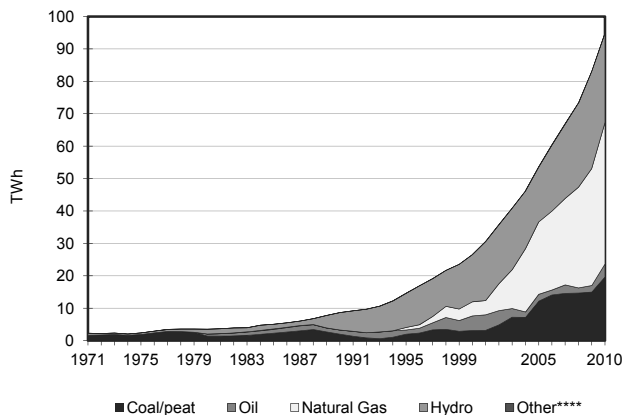
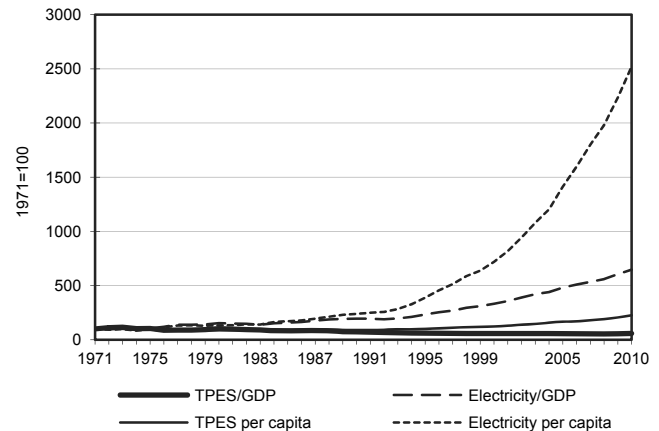


Figure 6. Selected indicators\*\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* Includes geothermal, solar, wind, biofuels and waste, etc.

\*\*\*\*\* GDP in 2005 USD.

## Vietnam

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	24684	17373	-	7099	-	2578	-	14719	-	-	66453
Imports	478	-	14769	-	-	-	-	-	353	-	15600
Exports	-13995	-13614	-1811	-	-	-	-	-	-32	-	-29453
Intl. marine bunkers	-	-	-287	-	-	-	-	-	-	-	-287
Intl. aviation bunkers	-	-	-509	-	-	-	-	-	-	-	-509
Stock changes	1449	-1069	1266	-	-	-	-	-	-	-	1646
<b>TPES</b>	<b>12614</b>	<b>2690</b>	<b>13428</b>	<b>7099</b>	-	<b>2578</b>	-	<b>14719</b>	<b>321</b>	-	<b>53449</b>
Electricity and CHP plants	-3680	-	-647	-6460	-	-2578	-	-18	7153	-	-6230
Oil refineries	-	-1486	1514	-	-	-	-	-	-	-	28
Other transformation*	-	-817	344	-	-	-	-	-861	-859	-	-2194
<b>TFC</b>	<b>8935</b>	<b>387</b>	<b>14639</b>	<b>639</b>	-	-	-	<b>13840</b>	<b>6615</b>	-	<b>45054</b>
<b>INDUSTRY</b>	<b>7475</b>	-	<b>2146</b>	<b>639</b>	-	-	-	<b>2712</b>	<b>3433</b>	-	<b>16405</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	7475	-	2146	639	-	-	-	2712	3433	-	16405
<b>TRANSPORT</b>	-	-	<b>9478</b>	-	-	-	-	-	-	-	<b>9478</b>
Domestic aviation	-	-	198	-	-	-	-	-	-	-	198
Road	-	-	9279	-	-	-	-	-	-	-	9279
Other/non-specified	-	-	-0	-	-	-	-	-	-	-	-
<b>OTHER</b>	<b>1460</b>	-	<b>2017</b>	-	-	-	-	<b>11128</b>	<b>3181</b>	-	<b>17786</b>
Residential	1089	-	816	-	-	-	-	11125	2509	-	15539
Comm. and public services	350	-	683	-	-	-	-	2	564	-	1600
Agriculture/forestry	21	-	518	-	-	-	-	-	108	-	647
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	<b>387</b>	<b>999</b>	-	-	-	-	-	-	-	<b>1386</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	14975	-	2055	36102	-	29981	-	62	-	-	83175
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	24646	16030	-	8122	-	2369	-	14707	-	-	65874
Imports	591	-	12499	-	-	-	-	-	482	-	13572
Exports	-11118	-8121	-1526	-	-	-	-	-	-83	-	-20848
Intl. marine bunkers	-	-	-317	-	-	-	-	-	-	-	-317
Intl. aviation bunkers	-	-	-678	-	-	-	-	-	-	-	-678
Stock changes	532	-499	1594	-	-	-	-	-	-	-	1627
<b>TPES</b>	<b>14651</b>	<b>7411</b>	<b>11572</b>	<b>8122</b>	-	<b>2369</b>	-	<b>14707</b>	<b>399</b>	-	<b>59230</b>
Electricity and CHP plants	-4837	-	-1161	-7629	-	-2369	-	-15	8162	-	-7850
Oil refineries	-	-5606	5692	-	-	-	-	-	-	-	85
Other transformation*	1	-1316	320	-	-	-	-	-871	-1085	-	-2951
<b>TFC</b>	<b>9814</b>	<b>489</b>	<b>16422</b>	<b>492</b>	-	-	-	<b>13821</b>	<b>7476</b>	-	<b>48515</b>
<b>INDUSTRY</b>	<b>8227</b>	-	<b>2117</b>	<b>492</b>	-	-	-	<b>2584</b>	<b>4000</b>	-	<b>17421</b>
Iron and steel	-	-	81	20	-	-	-	-	287	-	388
Chemical and petrochemical	-	-	93	201	-	-	-	-	254	-	548
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	8227	-	1943	271	-	-	-	2584	3460	-	16485
<b>TRANSPORT</b>	-	-	<b>10144</b>	-	-	-	-	-	-	-	<b>10144</b>
Domestic aviation	-	-	249	-	-	-	-	-	-	-	249
Road	-	-	9895	-	-	-	-	-	-	-	9895
Other/non-specified	-	-	-0	-	-	-	-	-	-	-	-0
<b>OTHER</b>	<b>1588</b>	-	<b>2086</b>	-	-	-	-	<b>11238</b>	<b>3475</b>	-	<b>18386</b>
Residential	1204	-	872	-	-	-	-	11235	2709	-	16020
Comm. and public services	364	-	702	-	-	-	-	3	685	-	1754
Agriculture/forestry	20	-	512	-	-	-	-	-	81	-	612
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	-	<b>489</b>	<b>2076</b>	-	-	-	-	-	-	-	<b>2564</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	19687	-	4009	43602	-	27550	-	55	-	-	94903
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

## Yemen

Figure 1. Energy production

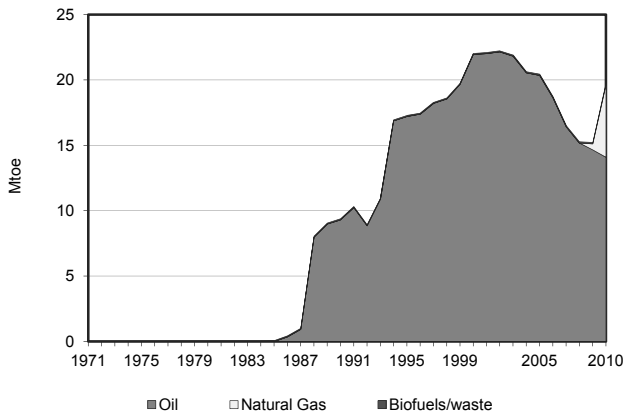


Figure 2. Total primary energy supply\*

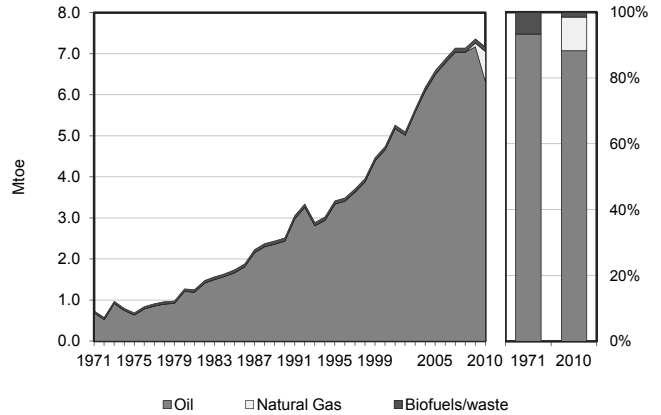


Figure 3. Energy self-sufficiency\*\*

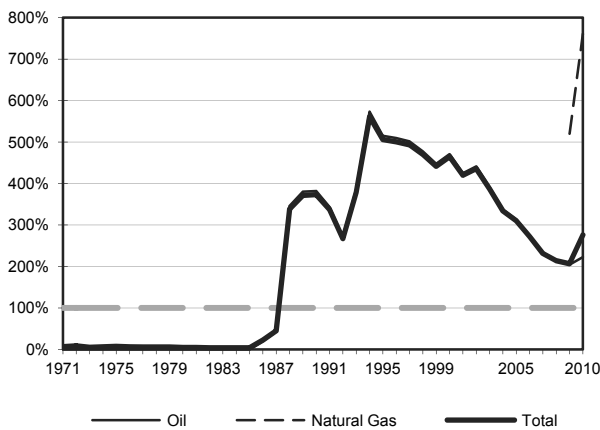


Figure 4. Oil products demand\*\*\*

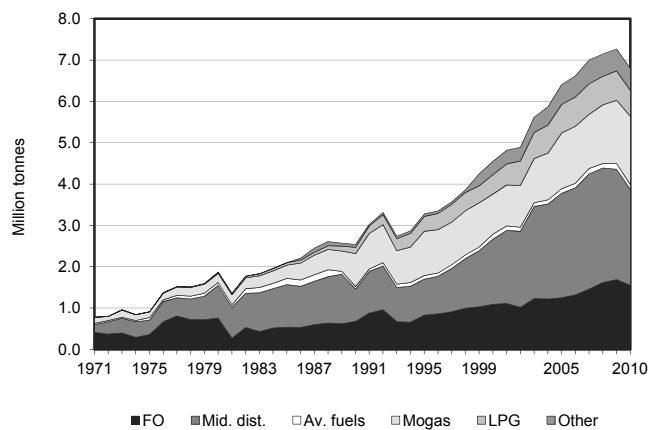


Figure 5. Electricity generation by fuel

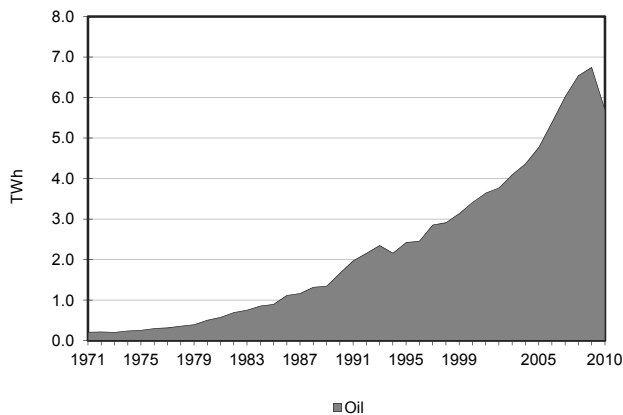
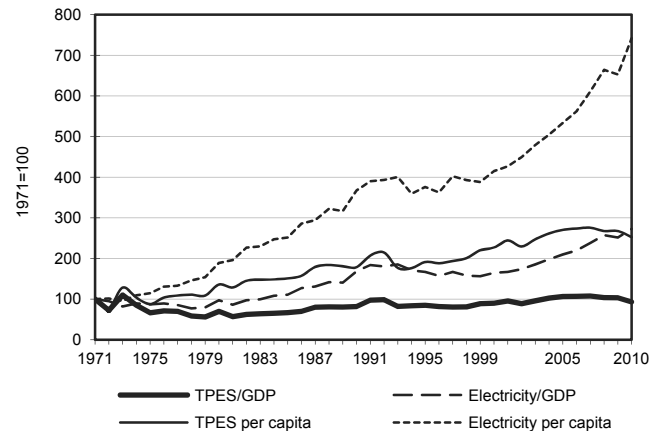


Figure 6. Selected indicators\*\*\*\*



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Yemen

2009

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	14656	-	465	-	-	-	102	-	-	15223
Imports	-	-	3086	-	-	-	-	-	-	-	3086
Exports	-	-9811	-924	-376	-	-	-	-	-	-	-11111
Intl. marine bunkers	-	-	-98	-	-	-	-	-	-	-	-98
Intl. aviation bunkers	-	-	-145	-	-	-	-	-	-	-	-145
Stock changes	-	408	-	-	-	-	-	-	-	-	408
<b>TPES</b>	-	<b>5253</b>	<b>1919</b>	<b>89</b>	-	-	-	<b>102</b>	-	-	<b>7363</b>
Electricity and CHP plants	-	-	-1341	-	-	-	-	-	580	-	-761
Oil refineries	-	-4178	3996	-	-	-	-	-	-	-	-182
Other transformation*	-	-1075	327	-89	-	-	-	-51	-181	-	-1069
<b>TFC</b>	-	-	<b>4901</b>	-	-	-	-	<b>51</b>	<b>399</b>	-	<b>5351</b>
<b>INDUSTRY</b>	-	-	<b>610</b>	-	-	-	-	-	-	-	<b>610</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	610	-	-	-	-	-	-	-	610
<b>TRANSPORT</b>	-	-	<b>2011</b>	-	-	-	-	-	-	-	<b>2011</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2011	-	-	-	-	-	-	-	2011
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2150</b>	-	-	-	-	<b>51</b>	<b>399</b>	-	<b>2600</b>
Residential	-	-	819	-	-	-	-	-	258	-	1076
Comm. and public services	-	-	-	-	-	-	-	-	82	-	82
Agriculture/forestry	-	-	998	-	-	-	-	-	-	-	998
Other/non-specified	-	-	333	-	-	-	-	51	60	-	444
<b>NON-ENERGY USE</b>	-	-	<b>130</b>	-	-	-	-	-	-	-	<b>130</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	6744	-	-	-	-	-	-	-	6744
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

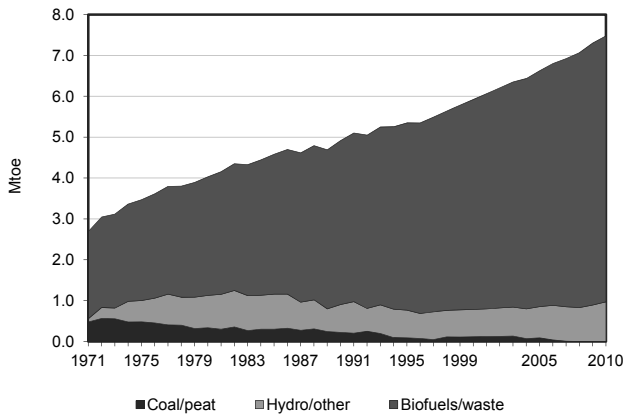
2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	-	14083	-	5581	-	-	-	105	-	-	19769
Imports	-	-	2998	-	-	-	-	-	-	-	2998
Exports	-	-9427	-703	-4848	-	-	-	-	-	-	-14977
Intl. marine bunkers	-	-	-97	-	-	-	-	-	-	-	-97
Intl. aviation bunkers	-	-	-130	-	-	-	-	-	-	-	-130
Stock changes	-	-398	-	-	-	-	-	-	-	-	-398
<b>TPES</b>	-	<b>4258</b>	<b>2069</b>	<b>733</b>	-	-	-	<b>105</b>	-	-	<b>7165</b>
Electricity and CHP plants	-	-	-1241	-486	-	-	-	-	667	-	-1060
Oil refineries	-	-3275	3144	-	-	-	-	-	-	-	-131
Other transformation*	-	-983	718	-248	-	-	-	-53	-234	-	-798
<b>TFC</b>	-	-	<b>4690</b>	-	-	-	-	<b>52</b>	<b>433</b>	-	<b>5176</b>
<b>INDUSTRY</b>	-	-	<b>308</b>	-	-	-	-	-	-	-	<b>308</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	-	-	308	-	-	-	-	-	-	-	308
<b>TRANSPORT</b>	-	-	<b>2141</b>	-	-	-	-	-	-	-	<b>2141</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	2141	-	-	-	-	-	-	-	2141
Other/non-specified	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER</b>	-	-	<b>2101</b>	-	-	-	-	<b>52</b>	<b>433</b>	-	<b>2586</b>
Residential	-	-	720	-	-	-	-	-	288	-	1009
Comm. and public services	-	-	-	-	-	-	-	-	91	-	91
Agriculture/forestry	-	-	1035	-	-	-	-	-	-	-	1035
Other/non-specified	-	-	345	-	-	-	-	52	53	-	451
<b>NON-ENERGY USE</b>	-	-	<b>141</b>	-	-	-	-	-	-	-	<b>141</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	-	-	5697	2060	-	-	-	-	-	-	7757
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

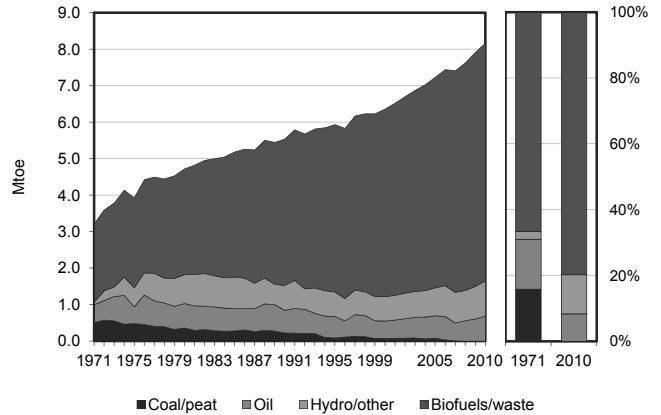
\* Includes transfers, statistical differences, energy industry own use, and losses.

## Zambia

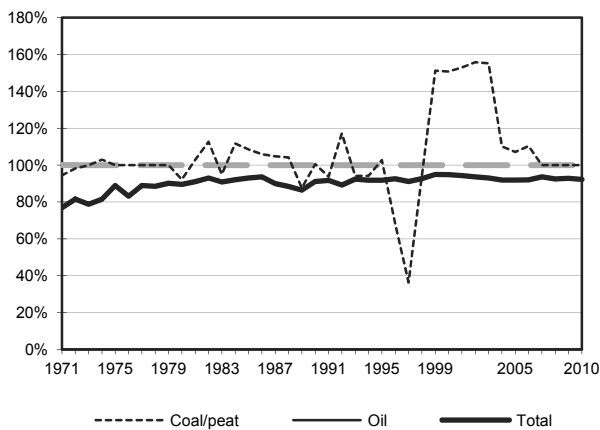
**Figure 1. Energy production**



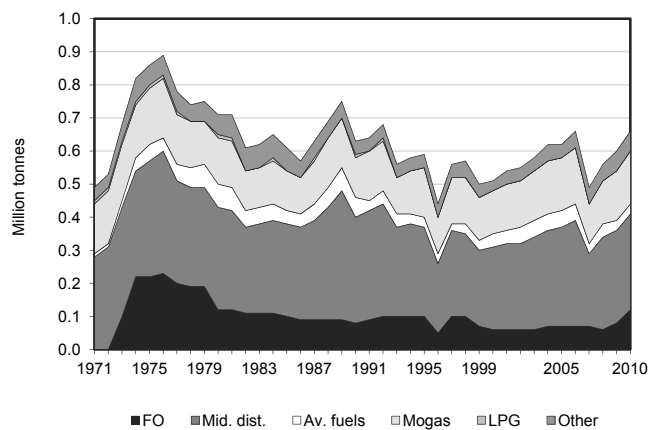
**Figure 2. Total primary energy supply\***



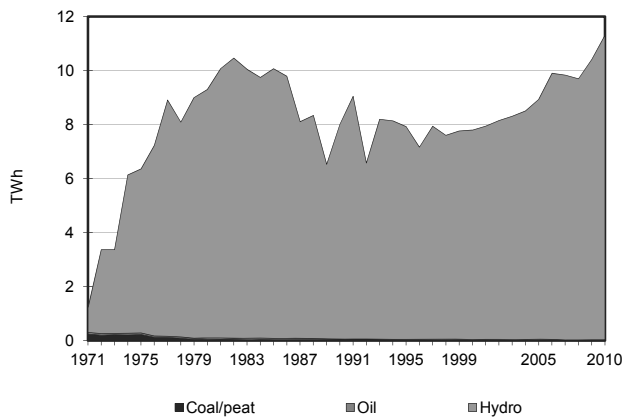
**Figure 3. Energy self-sufficiency\*\***



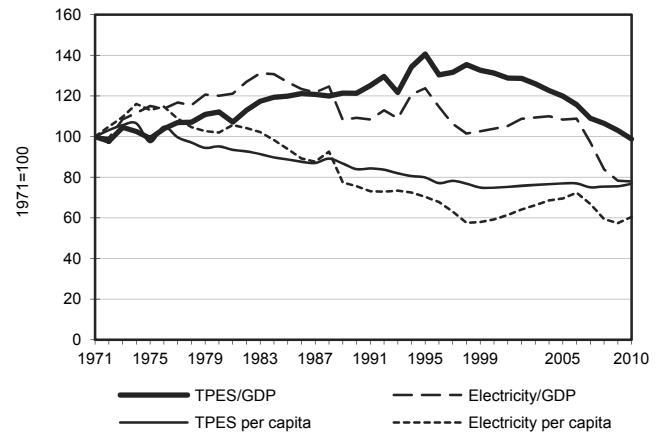
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Zambia

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1	-	-	-	-	893	-	6410	-	-	7304
Imports	-	599	58	-	-	-	-	-	1	-	658
Exports	-	-	-16	-	-	-	-	-	-51	-	-66
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-30	-	-	-	-	-	-	-	-30
Stock changes	-	-	-2	-	-	-	-	-	-	-	-2
<b>TPES</b>	<b>1</b>	<b>599</b>	<b>11</b>	-	-	<b>893</b>	-	<b>6410</b>	<b>-50</b>	-	<b>7864</b>
Electricity and CHP plants	-1	-	-8	-	-	-893	-	-	896	-	-6
Oil refineries	-	-599	567	-	-	-	-	-	-	-	-31
Other transformation*	1	-	-18	-	-	-	-	-1529	-220	-	-1767
<b>TFC</b>	<b>1</b>	-	<b>552</b>	-	-	-	-	<b>4881</b>	<b>626</b>	-	<b>6060</b>
<b>INDUSTRY</b>	<b>1</b>	-	<b>237</b>	-	-	-	-	<b>732</b>	<b>325</b>	-	<b>1295</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	1	-	237	-	-	-	-	732	325	-	1295
<b>TRANSPORT</b>	-	-	<b>199</b>	-	-	-	-	-	<b>2</b>	-	<b>201</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	144	-	-	-	-	-	-	-	144
Other/non-specified	-	-	54	-	-	-	-	-	2	-	56
<b>OTHER</b>	-	-	<b>76</b>	-	-	-	-	<b>4149</b>	<b>299</b>	-	<b>4524</b>
Residential	-	-	-	-	-	-	-	4149	222	-	4371
Comm. and public services	-	-	12	-	-	-	-	-	50	-	63
Agriculture/forestry	-	-	22	-	-	-	-	-	15	-	37
Other/non-specified	-	-	41	-	-	-	-	-	12	-	53
<b>NON-ENERGY USE</b>	-	-	<b>39</b>	-	-	-	-	-	-	-	<b>39</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1	-	31	-	-	10383	-	-	-	-	10415
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

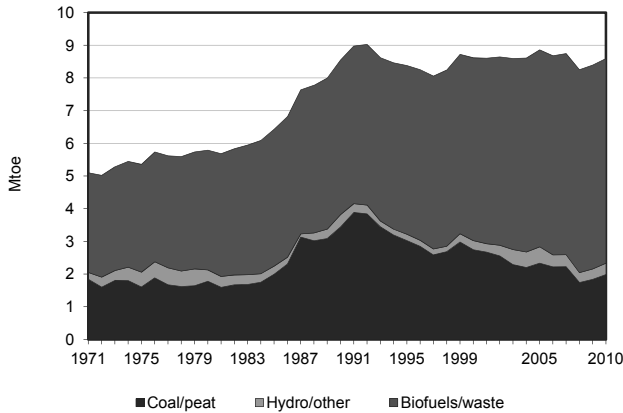
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1	-	-	-	-	969	-	6512	-	-	7482
Imports	-	637	59	-	-	-	-	-	1	-	698
Exports	-	-	-12	-	-	-	-	-	-50	-	-62
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-30	-	-	-	-	-	-	-	-30
Stock changes	-	-	27	-	-	-	-	-	-	-	27
<b>TPES</b>	<b>1</b>	<b>637</b>	<b>44</b>	-	-	<b>969</b>	-	<b>6512</b>	<b>-49</b>	-	<b>8115</b>
Electricity and CHP plants	-1	-	-9	-	-	-969	-	-	972	-	-7
Oil refineries	-	-637	604	-	-	-	-	-	-	-	-33
Other transformation*	1	-	-25	-	-	-	-	-1553	-254	-	-1831
<b>TFC</b>	<b>1</b>	-	<b>614</b>	-	-	-	-	<b>4959</b>	<b>670</b>	-	<b>6244</b>
<b>INDUSTRY</b>	<b>1</b>	-	<b>214</b>	-	-	-	-	<b>744</b>	<b>351</b>	-	<b>1310</b>
Iron and steel	-	-	-	-	-	-	-	-	-	-	-
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	-	-	-	-	-	-	-	-	-	-	-
Other/non-specified	1	-	214	-	-	-	-	744	351	-	1310
<b>TRANSPORT</b>	-	-	<b>221</b>	-	-	-	-	-	<b>2</b>	-	<b>223</b>
Domestic aviation	-	-	1	-	-	-	-	-	-	-	1
Road	-	-	151	-	-	-	-	-	-	-	151
Other/non-specified	-	-	69	-	-	-	-	-	2	-	71
<b>OTHER</b>	-	-	<b>137</b>	-	-	-	-	<b>4215</b>	<b>317</b>	-	<b>4668</b>
Residential	-	-	-	-	-	-	-	4215	238	-	4453
Comm. and public services	-	-	18	-	-	-	-	-	50	-	68
Agriculture/forestry	-	-	26	-	-	-	-	-	17	-	42
Other/non-specified	-	-	94	-	-	-	-	-	12	-	106
<b>NON-ENERGY USE</b>	-	-	<b>42</b>	-	-	-	-	-	-	-	<b>42</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	1	-	33	-	-	11273	-	-	-	-	11307
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

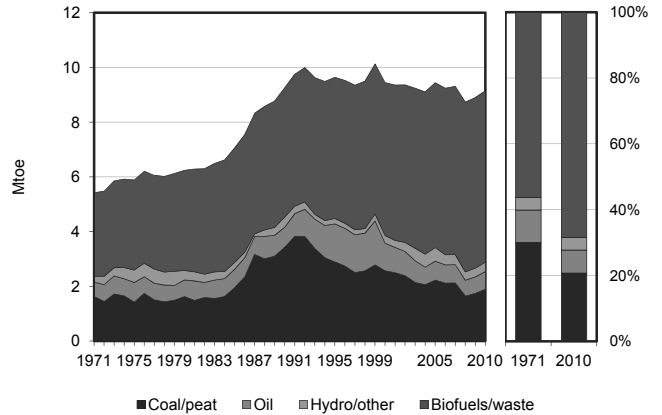


## Zimbabwe

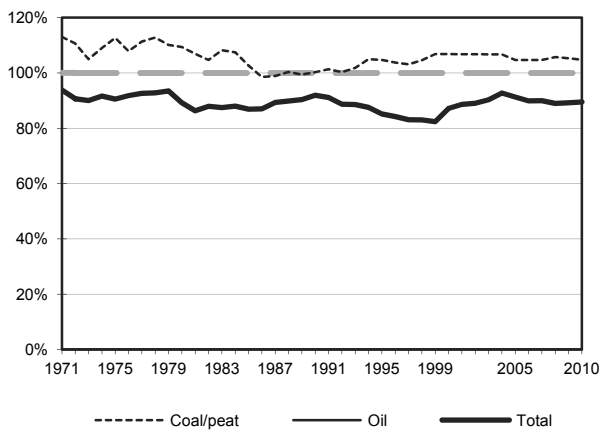
**Figure 1. Energy production**



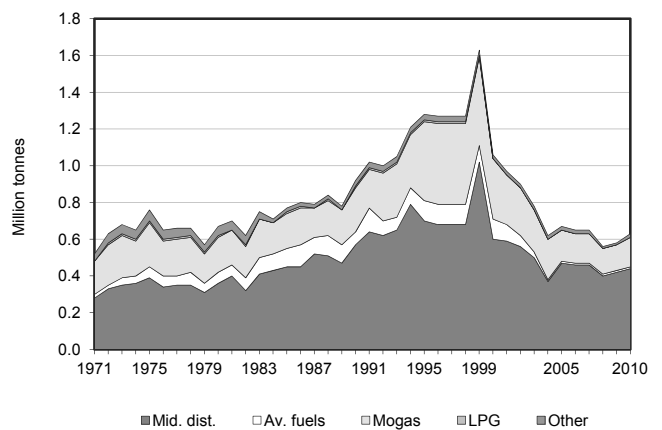
**Figure 2. Total primary energy supply\***



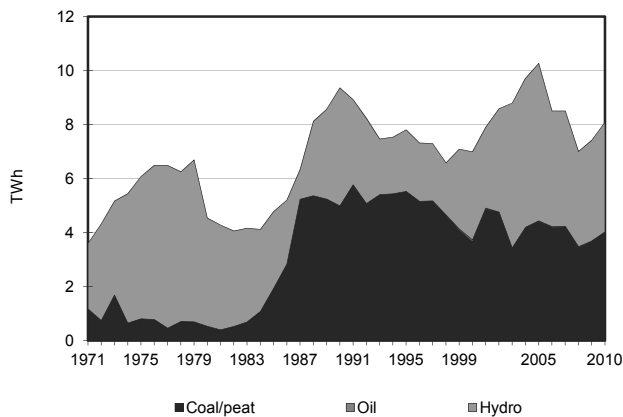
**Figure 3. Energy self-sufficiency\*\***



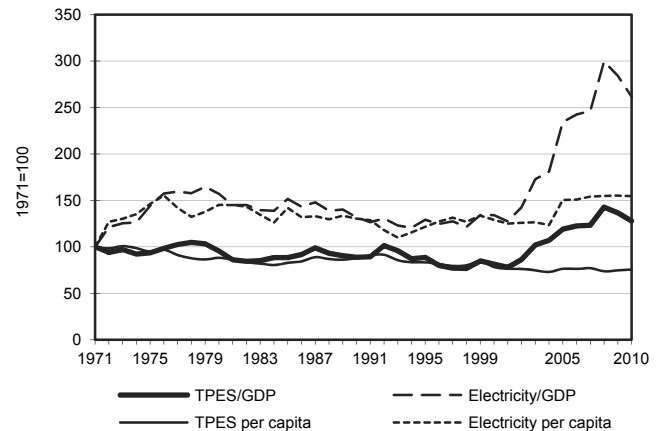
**Figure 4. Oil products demand\*\*\***



**Figure 5. Electricity generation by fuel**



**Figure 6. Selected indicators\*\*\*\***



\* Excluding electricity trade.

\*\* Production divided by TPES. The gray dashed line shows the 100% reference.

\*\*\* Includes international bunkers. LPG: LPG, NGL, ethane and naphtha. Other also includes direct use of crude oil and other hydrocarbons.

\*\*\*\* GDP in 2005 USD.

## Zimbabwe

2009

Thousand tonnes of oil equivalent											
SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1839	-	-	-	-	321	-	6237	-	-	8396
Imports	27	-	608	-	-	-	-	-	512	-	1147
Exports	-135	-	-	-	-	-	-	-	-4	-	-139
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-6	-	-	-	-	-	-	-	-6
Stock changes	15	-	-	-	-	-	-	-	-	-	15
<b>TPES</b>	<b>1746</b>	-	<b>602</b>	-	-	<b>321</b>	-	<b>6237</b>	<b>507</b>	-	<b>9412</b>
Electricity and CHP plants	-1250	-	-7	-	-	-321	-	-	638	-	-940
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-61	-	-7	-	-	-	-	-	-76	-	-144
<b>TFC</b>	<b>435</b>	-	<b>587</b>	-	-	-	-	<b>6237</b>	<b>1070</b>	-	<b>8328</b>
<b>INDUSTRY</b>	<b>226</b>	-	<b>61</b>	-	-	-	-	<b>116</b>	<b>471</b>	-	<b>873</b>
Iron and steel	104	-	-	-	-	-	-	-	-	-	104
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	30	-	-	-	-	-	-	-	-	-	30
Other/non-specified	91	-	61	-	-	-	-	116	471	-	739
<b>TRANSPORT</b>	<b>5</b>	-	<b>354</b>	-	-	-	-	-	-	-	<b>359</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	336	-	-	-	-	-	-	-	336
Other/non-specified	5	-	19	-	-	-	-	-	-	-	23
<b>OTHER</b>	<b>204</b>	-	<b>159</b>	-	-	-	-	<b>6121</b>	<b>598</b>	-	<b>7083</b>
Residential	1	-	28	-	-	-	-	5803	319	-	6151
Comm. and public services	66	-	-	-	-	-	-	-	149	-	215
Agriculture/forestry	137	-	62	-	-	-	-	318	124	-	642
Other/non-specified	-	-	68	-	-	-	-	-	7	-	75
<b>NON-ENERGY USE</b>	-	-	<b>13</b>	-	-	-	-	-	-	-	<b>13</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	3672	-	21	-	-	3729	-	-	-	-	7422
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

2010

SUPPLY AND CONSUMPTION	Coal & peat	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & waste	Electricity	Heat	Total
Production	1988	-	-	-	-	350	-	6260	-	-	8598
Imports	30	-	650	-	-	-	-	-	459	-	1138
Exports	-135	-	-	-	-	-	-	-	-5	-	-140
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-7	-	-	-	-	-	-	-	-7
Stock changes	16	-	-	-	-	-	-	-	-	-	16
<b>TPES</b>	<b>1898</b>	-	<b>642</b>	-	-	<b>350</b>	-	<b>6260</b>	<b>454</b>	-	<b>9605</b>
Electricity and CHP plants	-1363	-	-8	-	-	-350	-	-	696	-	-1025
Oil refineries	-	-	-	-	-	-	-	-	-	-	-
Other transformation*	-63	-	-8	-	-	-	-	-	-76	-	-148
<b>TFC</b>	<b>472</b>	-	<b>626</b>	-	-	-	-	<b>6260</b>	<b>1074</b>	-	<b>8432</b>
<b>INDUSTRY</b>	<b>243</b>	-	<b>66</b>	-	-	-	-	<b>116</b>	<b>473</b>	-	<b>898</b>
Iron and steel	112	-	-	-	-	-	-	-	-	-	112
Chemical and petrochemical	-	-	-	-	-	-	-	-	-	-	-
Non-metallic minerals	33	-	-	-	-	-	-	-	-	-	33
Other/non-specified	98	-	66	-	-	-	-	116	473	-	753
<b>TRANSPORT</b>	<b>5</b>	-	<b>387</b>	-	-	-	-	-	-	-	<b>392</b>
Domestic aviation	-	-	-	-	-	-	-	-	-	-	-
Road	-	-	366	-	-	-	-	-	-	-	366
Other/non-specified	5	-	21	-	-	-	-	-	-	-	26
<b>OTHER</b>	<b>224</b>	-	<b>159</b>	-	-	-	-	<b>6145</b>	<b>601</b>	-	<b>7128</b>
Residential	1	-	28	-	-	-	-	5826	320	-	6175
Comm. and public services	72	-	-	-	-	-	-	-	149	-	222
Agriculture/forestry	151	-	62	-	-	-	-	319	125	-	657
Other/non-specified	-	-	68	-	-	-	-	-	7	-	75
<b>NON-ENERGY USE</b>	-	-	<b>14</b>	-	-	-	-	-	-	-	<b>14</b>
<b>Electricity and Heat Output</b>											
Electricity generated - GWh	4003	-	24	-	-	4064	-	-	-	-	8091
Heat generated - TJ	-	-	-	-	-	-	-	-	-	-	-

\* Includes transfers, statistical differences, energy industry own use, and losses.

# **SUMMARY TABLES AND ENERGY INDICATORS**

## Production of coal and peat (Mtoe)

*Production de charbon et de tourbe (Mtep)*

*Kohle- und Torferzeugung (Mtoe)*

*Produzione di carbone e torba (Mtep)*

*石炭及び泥炭の生産量（石油換算百万トン）*

*Producción de carbón y turba (Mtep)*

*Производство угля и торфа (млн.тон нефтяного эквивалента (Мтнэ))*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	0.24	0.21	0.00	-	-	-	-	-	..
Botswana*	..	..	..	0.49	0.58	0.61	0.45	0.61	0.45
Dem. Rep. of Congo	0.07	0.08	0.08	0.08	0.06	0.07	0.08	0.08	0.08
Egypt	-	-	-	-	0.04	0.02	-	-	..
Morocco	0.30	0.35	0.42	0.29	0.02	0.01	-	-	..
Mozambique	0.20	0.24	0.12	0.02	0.01	0.00	0.02	0.02	0.02
Nigeria	0.12	0.21	0.11	0.06	0.00	0.00	0.00	0.00	0.00
South Africa	33.06	35.14	66.76	100.16	126.93	138.37	140.91	143.82	143.14
United Rep. of Tanzania	-	-	0.00	0.00	0.05	0.05	0.06	0.06	0.06
Zambia	0.48	0.55	0.34	0.22	0.12	0.09	0.00	0.00	..
Zimbabwe	1.84	1.81	1.78	3.45	2.75	2.33	1.84	1.99	1.93
Other Africa	0.09	0.10	0.12	0.20	0.36	0.42	0.47	0.49	0.44
<b>Africa</b>	<b>36.41</b>	<b>38.69</b>	<b>69.74</b>	<b>104.97</b>	<b>130.90</b>	<b>141.96</b>	<b>143.84</b>	<b>147.08</b>	<b>146.13</b>
Argentina	0.37	0.27	0.23	0.16	0.15	0.01	0.05	0.04	0.05
Brazil	0.94	0.88	2.49	1.93	2.63	2.48	2.24	2.09	2.10
Colombia	1.78	1.84	2.71	13.89	24.86	38.39	47.32	48.33	54.46
Peru	0.02	0.02	0.03	0.07	0.01	0.03	0.23	0.06	0.06
Venezuela	0.03	0.04	0.03	1.60	5.76	5.25	2.40	1.99	1.66
<b>Non-OECD Americas</b>	<b>3.15</b>	<b>3.05</b>	<b>5.49</b>	<b>17.65</b>	<b>33.41</b>	<b>46.17</b>	<b>52.23</b>	<b>52.52</b>	<b>58.32</b>
Bangladesh	-	-	-	-	-	0.04	0.44	0.38	0.50
Chinese Taipei	2.58	2.10	1.60	0.29	0.05	-	-	-	..
India	35.01	37.67	53.63	104.69	146.23	187.77	244.91	244.53	253.16
Indonesia	0.12	0.09	0.17	5.85	45.45	98.23	166.80	186.33	215.68
DPR of Korea	16.70	17.51	25.44	26.62	16.91	19.87	18.15	18.48	18.18
Malaysia	-	-	-	0.07	0.24	0.50	1.35	1.51	1.79
Mongolia*	..	..	..	2.66	1.81	3.29	7.33	14.53	18.08
Myanmar	0.01	0.01	0.01	0.04	0.32	0.33	0.36	0.41	0.78
Nepal	-	-	-	-	0.01	0.01	0.01	0.01	0.01
Pakistan	0.60	0.51	0.63	1.10	1.24	1.86	1.37	1.37	1.46
Philippines	0.01	0.01	0.17	0.65	0.72	1.52	2.47	3.51	4.98
Thailand	0.10	0.08	0.41	3.60	5.14	6.05	5.16	5.32	6.13
Vietnam	1.67	1.67	2.91	2.60	6.50	19.00	24.68	24.65	24.93
Other Asia	0.77	0.83	1.69	0.07	0.23	0.37	0.75	0.80	0.81
<b>Asia</b>	<b>57.58</b>	<b>60.49</b>	<b>86.66</b>	<b>148.23</b>	<b>224.84</b>	<b>338.83</b>	<b>473.78</b>	<b>501.83</b>	<b>546.48</b>
People's Rep. of China	192.56	204.84	310.72	523.85	735.65	1 185.98	1 496.17	1 623.22	1 848.56
<b>China</b>	<b>192.56</b>	<b>204.84</b>	<b>310.72</b>	<b>523.85</b>	<b>735.65</b>	<b>1 185.98</b>	<b>1 496.17</b>	<b>1 623.22</b>	<b>1 848.56</b>

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of coal and peat (Mtoe)***Production de charbon et de tourbe (Mtep)**Kohle- und Torferzeugung (Mtoe)**Produzione di carbone e torba (Mtep)**石炭及び泥炭の生産量（石油換算百万トン）**Producción de carbón y turba (Mtep)**Производство угля и торфа (млн.тон нефтяного эквивалента (Мтнэ))*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Albania	0.24	0.28	0.50	0.49	0.01	0.02	0.00	0.00	0.01
Belarus*	..	..	..	0.84	0.49	0.56	0.54	0.57	..
Bosnia and Herzegovina*	..	..	..	4.18	2.46	2.95	3.71	3.50	4.26
Bulgaria	4.70	4.65	5.19	5.38	4.32	4.18	4.60	4.94	6.37
Croatia*	..	..	..	0.10	-	-	-	-	..
Georgia*	..	..	..	0.66	0.00	0.00	0.06	0.04	0.03
Kazakhstan*	..	..	..	58.01	34.13	38.28	44.28	48.55	51.23
Kosovo*	..	..	..	..	0.93	1.22	1.60	1.61	1.61
Kyrgyzstan*	..	..	..	1.41	0.16	0.12	0.22	0.21	0.31
Latvia*	..	..	..	0.06	0.02	0.00	0.01	0.00	..
Lithuania*	..	..	..	0.01	0.01	0.02	0.01	0.01	..
FYR of Macedonia*	..	..	..	1.21	1.21	1.29	1.29	1.19	1.06
Montenegro*	..	..	..	..	..	0.29	0.21	0.43	0.43
Romania	5.20	6.05	8.10	8.65	5.60	5.79	6.57	5.90	6.69
Russian Federation*	..	..	..	192.40	128.54	157.43	153.64	180.04	187.79
Serbia*	..	..	..	9.81	7.91	7.46	7.33	7.23	7.77
Tajikistan*	..	..	..	0.37	0.01	0.04	0.09	0.09	0.09
Ukraine*	..	..	..	86.81	36.35	34.69	32.03	31.00	34.70
Uzbekistan*	..	..	..	2.26	0.91	1.08	1.29	1.18	1.01
Former Soviet Union*	317.32	331.53	339.56	x	x	x	x	x	x
Former Yugoslavia*	7.33	7.65	9.62	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>334.80</b>	<b>350.17</b>	<b>362.97</b>	<b>372.65</b>	<b>223.04</b>	<b>255.42</b>	<b>257.47</b>	<b>286.49</b>	<b>303.34</b>
Islamic Republic of Iran	0.23	0.57	0.62	0.56	0.76	1.01	0.77	0.68	0.78
<b>Middle East</b>	<b>0.23</b>	<b>0.57</b>	<b>0.62</b>	<b>0.56</b>	<b>0.76</b>	<b>1.01</b>	<b>0.77</b>	<b>0.68</b>	<b>0.78</b>
<b>Non-OECD Total*</b>	<b>624.72</b>	<b>657.81</b>	<b>836.19</b>	<b>1 167.92</b>	<b>1 348.61</b>	<b>1 969.38</b>	<b>2 424.27</b>	<b>2 611.82</b>	<b>2 903.62</b>
<i>European Union - 27*</i>	..	..	..	369.69	214.65	196.24	166.50	164.09	164.63
OECD Americas	325.25	347.53	470.94	585.08	576.92	603.12	566.12	570.70	579.58
OECD Asia Oceania	63.51	66.09	72.14	119.59	171.85	207.22	229.54	241.46	234.76
OECD Europe*	424.79	405.62	426.20	368.16	217.60	198.04	174.49	172.06	173.66
<b>OECD Total*</b>	<b>813.56</b>	<b>819.25</b>	<b>969.28</b>	<b>1 072.83</b>	<b>966.38</b>	<b>1 008.37</b>	<b>970.15</b>	<b>984.22</b>	<b>988.00</b>
<b>World</b>	<b>1 438.28</b>	<b>1 477.06</b>	<b>1 805.47</b>	<b>2 240.75</b>	<b>2 314.99</b>	<b>2 977.75</b>	<b>3 394.42</b>	<b>3 596.04</b>	<b>3 891.62</b>

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Production of crude oil and NGL (Mtoe)

*Production de pétrole brut et LGN (Mtep)**Erzeugung von Rohöl und Kondensaten (Mtoe)**Produzione di petrolio greggio e liquidi di gas naturale (Mtep)**原油及びNGLの生産量(石油換算百万トン)**Producción de petróleo crudo y líquidos de gas natural (Mtep)**Производство сырой нефти и газовых конденсатов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	39.07	52.57	54.22	61.24	72.32	90.94	81.73	78.47	77.52
Angola	5.84	8.33	7.58	23.83	37.60	63.75	92.97	90.33	85.73
Benin	-	-	-	0.21	-	-	-	-	-
Cameroon	-	-	3.62	6.93	5.86	4.59	3.81	3.35	3.13
Congo	0.02	2.11	3.43	8.23	13.97	12.93	14.48	16.49	16.63
Dem. Rep. of Congo	-	-	0.91	1.46	1.18	1.28	1.12	1.12	1.06
Côte d'Ivoire	-	-	0.08	0.09	0.37	2.08	2.32	1.73	1.66
Egypt	15.20	8.64	30.26	46.23	36.11	32.76	34.53	35.24	35.66
Gabon	5.89	7.73	8.81	13.74	14.05	13.72	12.25	12.95	12.77
Ghana	-	-	-	-	-	-	-	0.18	1.99
Libya	136.11	109.04	92.20	67.98	70.49	88.85	80.14	74.66	22.01
Morocco	0.02	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mozambique	-	-	-	-	-	0.02	0.03	0.03	0.03
Nigeria	77.11	103.54	103.93	90.18	116.90	130.66	117.47	135.97	141.68
Senegal	-	-	-	0.00	-	-	-	-	-
South Africa	-	-	-	-	0.94	0.85	0.15	0.10	0.07
Sudan	-	-	-	-	9.02	15.55	24.17	23.52	14.21
Tunisia	4.23	3.99	5.82	4.75	3.81	3.55	4.15	3.99	3.33
Other Africa	-	-	-	-	5.90	27.00	22.28	23.09	33.53
<b>Africa</b>	<b>283.49</b>	<b>295.99</b>	<b>310.88</b>	<b>324.88</b>	<b>388.52</b>	<b>488.54</b>	<b>491.61</b>	<b>501.21</b>	<b>451.00</b>
Argentina	22.14	22.16	25.97	26.09	41.38	37.76	35.30	34.94	32.98
Bolivia	1.96	2.57	1.40	1.30	1.84	2.82	2.33	2.43	2.41
Brazil	8.66	8.60	9.47	33.39	65.34	86.94	104.06	109.62	112.48
Colombia	11.48	9.84	6.65	23.03	35.83	27.42	34.93	40.92	47.68
Cuba	0.15	0.24	0.55	0.86	2.86	3.06	2.88	3.15	3.06
Ecuador	0.18	10.77	10.65	15.00	21.02	27.86	25.49	25.49	27.06
Guatemala	-	-	0.21	0.20	1.15	1.02	0.75	0.66	0.60
Peru	3.20	3.63	9.96	6.55	5.18	5.38	6.62	6.91	6.69
Trinidad and Tobago	6.53	8.37	10.69	7.87	7.00	8.76	7.82	7.49	7.06
Venezuela	200.10	191.53	124.47	122.72	182.29	192.24	165.88	160.01	158.01
Other Non-OECD Americas	-	0.00	0.07	0.38	0.68	0.70	0.70	0.85	0.80
<b>Non-OECD Americas</b>	<b>254.40</b>	<b>257.70</b>	<b>200.09</b>	<b>237.38</b>	<b>364.56</b>	<b>393.97</b>	<b>386.76</b>	<b>392.48</b>	<b>398.82</b>
Bangladesh	-	0.01	-	0.09	0.10	0.10	0.07	0.06	0.06
Brunei Darussalam	6.54	11.61	12.19	7.70	10.22	11.06	8.49	8.29	7.86
Chinese Taipei	0.11	0.15	0.25	0.17	0.03	0.03	0.01	0.01	0.01
India	7.46	7.35	10.74	35.32	37.24	37.14	38.53	42.85	44.21
Indonesia	44.95	67.43	79.50	74.59	71.60	53.45	48.22	48.44	46.60
Malaysia	3.34	4.43	13.71	30.63	32.28	37.41	33.73	34.40	31.39
Mongolia*	..	..	..	-	0.01	0.03	0.26	0.30	0.29
Myanmar	0.88	0.99	1.57	0.73	0.57	1.14	0.97	0.94	0.89
Pakistan	0.42	0.43	0.49	2.70	2.99	3.58	3.50	3.50	3.48
Philippines	-	-	0.49	0.23	0.06	0.79	1.13	0.86	0.72
Thailand	0.01	0.01	0.01	2.86	8.06	12.98	16.74	17.49	16.38
Vietnam	-	-	-	2.75	16.86	19.52	17.37	16.03	15.25
Other Asia	0.00	0.00	0.01	4.54	3.23	5.67	5.03	4.39	4.17
<b>Asia</b>	<b>63.72</b>	<b>92.39</b>	<b>118.96</b>	<b>162.32</b>	<b>183.25</b>	<b>182.89</b>	<b>174.05</b>	<b>177.56</b>	<b>171.32</b>
People's Rep. of China	40.12	54.58	107.85	138.31	163.08	181.43	189.62	203.16	203.20
<b>China</b>	<b>40.12</b>	<b>54.58</b>	<b>107.85</b>	<b>138.31</b>	<b>163.08</b>	<b>181.43</b>	<b>189.62</b>	<b>203.16</b>	<b>203.20</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of crude oil and NGL (Mtoe)***Production de pétrole brut et LGN (Mtep)**Erzeugung von Rohöl und Kondensaten (Mtoe)**Produzione di petrolio greggio e liquidi di gas naturale (Mtep)**原油及びNGLの生産量(石油換算百万トン)**Producción de petróleo crudo y líquidos de gas natural (Mtep)**Производство сырой нефти и газовых конденсатов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Albania	1.66	2.11	2.00	1.16	0.31	0.42	0.58	0.74	0.96
Azerbaijan*	..	..	..	12.56	14.09	22.32	50.68	51.14	45.33
Belarus*	..	..	..	2.05	1.86	1.79	1.73	1.71	1.63
Bulgaria	0.31	0.19	0.28	0.06	0.04	0.03	0.02	0.02	0.02
Croatia*	..	..	..	2.78	1.35	1.03	0.83	0.76	0.70
Georgia*	..	..	..	0.19	0.11	0.07	0.05	0.05	0.05
Kazakhstan*	..	..	..	26.45	36.10	63.77	79.39	82.86	82.42
Kyrgyzstan*	..	..	..	0.16	0.08	0.07	0.08	0.07	0.06
Lithuania*	..	..	..	0.01	0.32	0.22	0.12	0.12	0.12
Republic of Moldova*	..	..	..	-	-	0.01	0.02	0.01	0.01
Romania	13.39	13.87	11.17	7.70	6.20	5.90	4.48	4.19	4.11
Russian Federation*	..	..	..	526.25	323.26	468.71	493.64	506.54	512.65
Serbia*	..	..	..	1.09	1.00	0.66	0.70	0.94	0.84
Tajikistan*	..	..	..	0.15	0.02	0.02	0.03	0.03	0.02
Turkmenistan*	..	..	..	4.18	7.77	9.84	10.00	9.41	10.47
Ukraine*	..	..	..	5.27	3.71	4.39	3.98	3.59	3.40
Uzbekistan*	..	..	..	2.81	7.73	5.60	4.84	4.23	4.09
Former Soviet Union*	378.96	431.21	606.16	x	x	x	x	x	x
Former Yugoslavia*	3.02	3.40	4.32	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>397.34</b>	<b>450.78</b>	<b>623.94</b>	<b>592.87</b>	<b>403.94</b>	<b>584.87</b>	<b>651.17</b>	<b>666.42</b>	<b>666.87</b>
Bahrain	9.91	9.49	9.56	9.88	9.89	9.89	9.66	9.64	10.19
Islamic Republic of Iran	231.25	298.72	75.86	167.42	202.58	224.22	223.55	226.04	219.25
Iraq	85.18	101.83	134.37	106.84	132.26	95.80	119.77	121.42	137.29
Jordan	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Kuwait	157.03	155.28	87.97	47.08	106.48	136.83	120.86	124.21	136.47
Oman	15.20	15.20	14.78	35.88	51.42	41.57	43.66	46.40	47.74
Qatar	21.20	28.24	23.63	21.01	37.46	55.52	63.58	66.83	62.64
Saudi Arabia	242.99	387.01	524.49	348.96	445.06	524.97	467.03	471.56	528.67
Syrian Arab Republic	5.31	5.57	9.23	20.71	27.79	21.09	18.73	20.20	16.97
United Arab Emirates	51.91	75.09	83.91	93.34	123.01	135.34	127.88	133.32	151.82
Yemen	-	-	-	9.31	21.95	20.36	14.66	14.08	10.58
<b>Middle East</b>	<b>819.99</b>	<b>1 076.43</b>	<b>963.79</b>	<b>860.43</b>	<b>1 157.90</b>	<b>1 265.57</b>	<b>1 209.37</b>	<b>1 233.71</b>	<b>1 321.63</b>
<b>Non-OECD Total*</b>	<b>1 859.06</b>	<b>2 227.87</b>	<b>2 325.51</b>	<b>2 316.19</b>	<b>2 661.25</b>	<b>3 097.25</b>	<b>3 102.57</b>	<b>3 174.53</b>	<b>3 212.84</b>
<i>European Union - 27*</i>	..	..	..	131.81	173.84	132.64	105.00	97.16	84.54
OECD Americas	649.26	660.41	698.45	680.61	665.58	667.58	649.67	672.73	694.09
OECD Asia Oceania	21.51	26.94	22.25	31.70	37.31	27.74	29.23	27.89	24.14
OECD Europe*	22.62	23.17	127.13	210.91	336.94	263.37	211.66	194.23	175.28
<b>OECD Total*</b>	<b>693.39</b>	<b>710.51</b>	<b>847.84</b>	<b>923.22</b>	<b>1 039.82</b>	<b>958.70</b>	<b>890.56</b>	<b>894.85</b>	<b>893.51</b>
<b>World</b>	<b>2 552.45</b>	<b>2 938.38</b>	<b>3 173.35</b>	<b>3 239.41</b>	<b>3 701.07</b>	<b>4 055.95</b>	<b>3 993.14</b>	<b>4 069.38</b>	<b>4 106.35</b>
<i>Memo: OPEC</i>	1 247.99	1 521.94	1 323.28	1 165.59	1 547.46	1 766.97	1 686.35	1 708.31	1 748.15

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of oil products (Mtoe)***Production de produits pétroliers (Mtep)**Erzeugung von Ölprodukten (Mtoe)**Produzione di prodotti petroliferi (Mtep)*

石油製品の生産量（石油換算百万トン）

*Producción de productos petrolíferos (Mtep)**Производство нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	2.59	6.30	11.40	21.46	21.01	18.64	22.39	23.13	27.26
Angola	0.67	0.74	1.25	1.63	1.88	1.86	1.89	1.89	1.89
Cameroon	-	-	0.20	0.86	1.58	1.87	2.06	1.79	2.12
Congo	-	-	-	0.53	0.40	0.52	0.54	0.69	0.66
Dem. Rep. of Congo	0.65	0.70	0.40	0.32	-	-	-	-	-
Côte d'Ivoire	0.82	1.17	1.79	2.10	3.07	4.04	3.50	3.32	2.68
Egypt	5.09	7.01	13.85	23.54	25.25	31.13	30.78	29.41	28.75
Ethiopia	0.67	0.62	0.59	0.66	-	-	-	-	-
Gabon	1.01	1.07	1.25	0.32	0.60	0.71	0.81	0.87	0.93
Ghana	0.87	0.99	1.08	0.77	1.10	1.60	1.32	0.36	1.03
Kenya	2.53	2.65	3.05	2.25	2.06	1.69	1.60	1.57	1.56
Libya	0.44	1.63	5.69	13.60	16.27	14.98	15.47	16.83	18.77
Morocco	1.52	2.26	4.25	5.66	6.69	7.02	5.69	4.59	6.37
Mozambique	0.79	0.74	0.70	-	-	-	-	-	-
Nigeria	1.98	2.82	7.21	13.30	5.07	9.75	5.06	2.49	4.94
Senegal	0.56	0.68	0.76	0.68	0.92	0.89	0.81	0.70	0.73
South Africa	12.66	13.16	12.32	13.44	18.02	24.71	21.49	19.31	14.31
Sudan	0.69	1.15	0.91	0.82	1.92	3.39	4.49	4.95	5.75
United Rep. of Tanzania	0.76	0.79	0.55	0.59	-	-	-	-	-
Togo	-	-	0.21	-	-	-	-	-	-
Tunisia	1.14	1.05	1.58	1.70	1.98	1.81	1.75	1.69	0.26
Zambia	-	0.41	0.76	0.69	0.02	0.39	0.46	0.57	0.60
Other Africa	0.88	0.86	1.45	1.16	0.45	0.15	-	-	-
<b>Africa</b>	<b>36.34</b>	<b>46.79</b>	<b>71.23</b>	<b>106.11</b>	<b>108.28</b>	<b>125.17</b>	<b>120.10</b>	<b>114.17</b>	<b>118.61</b>
Argentina	23.18	23.65	25.72	22.36	29.67	28.67	30.35	28.44	28.54
Bolivia	0.71	0.80	1.25	1.24	1.53	2.04	2.34	2.04	2.10
Brazil	26.94	38.01	55.70	61.73	85.14	91.87	95.32	95.90	96.44
Colombia	7.84	8.29	7.65	11.26	15.51	15.22	15.01	13.96	14.53
Costa Rica	0.41	0.39	0.51	0.44	0.01	0.46	0.60	0.36	0.51
Cuba	4.33	5.14	5.85	6.34	2.10	2.20	5.07	5.06	4.91
Dominican Republic	-	1.19	1.55	1.06	1.53	2.02	1.68	1.24	1.33
Ecuador	1.38	1.61	4.73	6.08	7.90	7.88	8.61	8.75	7.87
El Salvador	0.48	0.62	0.66	0.69	0.95	1.04	0.84	0.89	0.80
Guatemala	0.80	0.94	0.75	0.43	0.84	0.06	0.06	0.09	0.06
Honduras	0.58	0.62	0.50	0.41	-	-	-	-	-
Jamaica	1.62	1.76	0.92	1.35	0.96	0.46	1.10	1.16	1.14
Netherlands Antilles*	40.33	42.89	27.36	10.00	11.35	11.89	10.87	9.94	4.41
Nicaragua	0.47	0.57	0.54	0.61	0.84	0.76	0.71	0.81	0.77
Panama	3.70	3.32	1.90	1.17	2.14	-	-	-	-
Paraguay	0.18	0.20	0.26	0.31	0.10	0.03	-	-	-
Peru	4.42	4.89	7.32	7.34	7.70	8.99	9.65	11.14	11.99
Trinidad and Tobago	20.22	19.51	11.36	4.30	8.06	8.49	7.49	7.60	6.34
Uruguay	1.68	1.66	1.83	1.19	1.87	2.08	2.13	2.08	2.01
Venezuela	70.13	73.83	50.40	52.62	57.12	53.15	59.07	61.63	56.53
Other Non-OECD Americas	9.74	12.74	8.81	0.97	11.26	11.36	9.73	5.48	1.24
<b>Non-OECD Americas</b>	<b>219.12</b>	<b>242.65</b>	<b>215.60</b>	<b>191.91</b>	<b>246.57</b>	<b>248.68</b>	<b>260.64</b>	<b>256.56</b>	<b>241.54</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Production of oil products (Mtoe)***Production de produits pétroliers (Mtep)**Erzeugung von Ölprodukten (Mtoe)**Produzione di prodotti petroliferi (Mtep)*

石油製品の生産量（石油換算百万トン）

*Producción de productos petrolíferos (Mtep)**Производство нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.74	0.61	1.22	1.03	1.39	1.42	1.16	1.07	0.98
Brunei Darussalam	-	-	0.00	0.34	0.57	0.63	0.72	0.67	0.65
Chinese Taipei	5.48	8.98	17.85	21.39	37.18	53.59	47.72	49.58	46.22
India	20.35	21.24	26.11	52.87	105.94	133.94	168.15	199.38	213.98
Indonesia	9.00	10.18	18.08	37.76	50.79	48.32	48.91	50.69	47.13
DPR of Korea	-	-	1.89	2.06	0.38	0.47	0.45	0.34	0.33
Malaysia	3.84	3.96	5.69	10.42	20.97	21.45	26.54	25.11	21.22
Myanmar	1.29	1.00	1.33	0.71	1.01	0.77	0.78	0.76	0.86
Pakistan	3.36	3.43	4.49	5.85	9.09	11.46	10.72	9.92	9.80
Philippines	8.45	8.70	9.17	10.57	14.97	10.01	8.78	7.03	8.39
Singapore	16.50	22.92	31.94	41.38	41.65	57.69	58.42	54.18	56.23
Sri Lanka	1.50	1.73	1.84	1.72	2.34	1.87	1.84	1.96	1.73
Thailand	5.32	7.64	7.75	11.69	35.43	44.81	45.86	46.63	48.58
Vietnam	-	-	-	-	-	-	-	1.51	5.69
Other Asia	-	-	-	-	-	0.96	0.80	0.81	0.87
<b>Asia</b>	<b>75.84</b>	<b>90.39</b>	<b>127.37</b>	<b>197.77</b>	<b>321.71</b>	<b>387.40</b>	<b>420.85</b>	<b>449.64</b>	<b>462.65</b>
People's Rep. of China	32.40	41.77	78.38	107.59	198.77	282.82	332.82	360.30	405.18
<b>China</b>	<b>32.40</b>	<b>41.77</b>	<b>78.38</b>	<b>107.59</b>	<b>198.77</b>	<b>282.82</b>	<b>332.82</b>	<b>360.30</b>	<b>405.18</b>
Albania	1.44	1.60	1.87	1.11	0.32	0.38	0.34	0.34	0.16
Azerbaijan*	..	..	..	15.74	8.34	8.01	8.02	6.11	6.21
Belarus*	..	..	..	38.64	13.29	19.47	20.95	21.31	16.30
Bosnia and Herzegovina*	..	..	..	1.90	0.51	0.14	0.11	1.03	1.15
Bulgaria	7.68	9.26	13.13	7.73	5.23	6.35	7.26	6.44	6.00
Croatia*	..	..	..	6.90	5.33	5.22	4.55	4.92	4.31
Cyprus	-	0.66	0.59	0.63	1.17	-	-	-	-
Georgia*	..	..	..	2.19	0.02	0.01	0.05	0.01	-
Kazakhstan*	..	..	..	18.42	6.30	11.02	11.66	11.88	13.29
Kyrgyzstan*	..	..	..	-	0.14	0.08	0.13	0.03	-
Lithuania*	..	..	..	9.41	5.03	9.42	9.75	8.91	9.46
FYR of Macedonia*	..	..	..	1.19	0.94	1.17	1.06	0.98	0.84
Republic of Moldova*	..	..	..	-	-	0.00	0.01	0.02	0.02
Romania	16.33	18.13	26.37	22.76	11.17	15.25	14.37	12.58	11.31
Russian Federation*	..	..	..	269.72	179.91	208.85	233.41	231.61	244.11
Serbia*	..	..	..	4.70	1.22	3.34	3.10	2.96	2.97
Tajikistan*	..	..	..	0.06	0.01	0.01	0.01	0.02	0.02
Turkmenistan*	..	..	..	4.09	5.58	6.58	7.77	7.24	6.89
Ukraine*	..	..	..	48.24	6.61	13.80	11.49	12.15	12.63
Uzbekistan*	..	..	..	7.92	6.88	4.94	4.29	4.45	3.97
Former Soviet Union*	289.43	332.22	447.46	x	x	x	x	x	x
Former Yugoslavia*	7.99	9.02	14.20	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>322.86</b>	<b>370.89</b>	<b>503.62</b>	<b>461.36</b>	<b>257.99</b>	<b>314.06</b>	<b>338.34</b>	<b>332.98</b>	<b>339.64</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of oil products (Mtoe)***Production de produits pétroliers (Mtep)**Erzeugung von Ölprodukten (Mtoe)**Produzione di prodotti petroliferi (Mtep)**石油製品の生産量（石油換算百万トン）**Producción de productos petrolíferos (Mtep)**Производство нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	12.80	12.21	12.36	12.67	13.08	13.53	13.19	13.11	13.56
Islamic Republic of Iran	27.41	29.13	34.27	41.31	77.93	82.50	85.14	86.47	85.78
Iraq	3.60	4.06	9.30	18.08	25.05	23.74	22.74	22.46	26.37
Jordan	0.57	0.68	1.76	2.68	3.87	4.43	3.78	3.57	3.40
Kuwait	16.90	18.78	16.93	12.05	36.74	42.93	44.64	42.70	43.80
Lebanon	2.06	2.46	2.27	0.10	-	-	-	-	-
Oman	-	-	-	3.28	4.09	4.43	10.72	10.40	8.23
Qatar	0.02	0.02	0.40	2.97	3.22	6.00	6.16	6.00	13.18
Saudi Arabia	27.28	28.22	33.14	78.42	83.69	100.35	101.47	96.35	96.38
Syrian Arab Republic	2.13	1.99	6.58	11.23	12.13	12.42	11.62	11.28	11.82
United Arab Emirates	-	-	0.58	9.48	14.55	17.51	16.78	18.86	17.17
Yemen	3.52	2.86	3.46	4.58	3.72	3.57	3.66	4.00	3.14
<b>Middle East</b>	<b>96.29</b>	<b>100.40</b>	<b>121.05</b>	<b>196.85</b>	<b>278.06</b>	<b>311.42</b>	<b>319.90</b>	<b>315.20</b>	<b>322.84</b>
<b>Non-OECD Total*</b>	<b>782.86</b>	<b>892.89</b>	<b>1 117.25</b>	<b>1 261.57</b>	<b>1 411.39</b>	<b>1 669.53</b>	<b>1 792.65</b>	<b>1 828.84</b>	<b>1 890.48</b>
<i>European Union - 27*</i>	..	..	..	674.35	725.91	748.59	712.90	663.51	655.83
OECD Americas	720.50	806.47	896.13	911.96	1 014.96	1 048.51	1 041.46	991.23	1 004.67
OECD Asia Oceania	226.42	279.28	272.46	271.58	393.81	387.02	370.26	356.10	357.82
OECD Europe*	672.90	782.67	718.03	673.28	747.49	764.40	726.72	674.89	668.34
<b>OECD Total*</b>	<b>1 619.81</b>	<b>1 868.42</b>	<b>1 886.61</b>	<b>1 856.82</b>	<b>2 156.26</b>	<b>2 199.93</b>	<b>2 138.44</b>	<b>2 022.21</b>	<b>2 030.82</b>
<b>World</b>	<b>2 402.67</b>	<b>2 761.32</b>	<b>3 003.86</b>	<b>3 118.39</b>	<b>3 567.65</b>	<b>3 869.47</b>	<b>3 931.08</b>	<b>3 851.06</b>	<b>3 921.30</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of natural gas (Mtoe)***Production de gaz naturel (Mtep)**Erzeugung von Erdgas (Mtoe)**Produzione di gas naturale (Mtep)*

天然ガスの生産量（石油換算百万トン）

*Producción de gas natural (Mtep)**Производство природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	2.16	3.64	11.48	38.85	69.85	75.60	70.90	71.96	69.30
Angola	0.04	0.05	0.06	0.44	0.47	0.53	0.56	0.60	0.63
Cameroon	-	-	-	-	-	-	0.26	0.26	0.26
Congo	0.00	0.00	-	-	-	0.02	0.05	0.03	0.03
Dem. Rep. of Congo	-	-	-	-	-	-	0.01	0.01	0.01
Côte d'Ivoire	-	-	-	-	1.27	1.25	1.22	1.33	1.36
Egypt	0.07	0.07	1.59	6.73	14.43	42.62	50.69	50.30	49.80
Gabon	0.08	0.40	0.01	0.09	0.10	0.12	0.15	0.16	0.16
Libya	1.30	3.42	4.22	5.06	4.80	9.23	12.98	13.73	3.35
Morocco	0.04	0.06	0.06	0.04	0.04	0.03	0.04	0.04	0.05
Mozambique	-	-	-	-	0.00	1.87	2.45	2.68	2.91
Nigeria	0.17	0.35	1.24	3.27	10.18	18.29	18.95	27.00	29.33
Senegal	-	-	-	0.01	0.00	0.01	0.01	0.02	0.02
South Africa	-	-	-	1.50	1.40	1.78	0.51	0.47	0.49
United Rep. of Tanzania	-	-	-	-	-	0.33	0.54	0.64	0.65
Tunisia	0.00	0.11	0.35	0.33	1.89	1.99	2.26	2.73	2.33
Other Africa	0.00	0.00	0.00	0.00	0.00	0.97	5.12	5.50	5.63
<b>Africa</b>	<b>3.87</b>	<b>8.11</b>	<b>19.01</b>	<b>56.32</b>	<b>104.41</b>	<b>154.66</b>	<b>166.70</b>	<b>177.46</b>	<b>166.31</b>
Argentina	5.65	5.75	8.55	17.01	33.69	39.91	37.16	35.36	34.19
Bolivia	0.06	1.69	2.14	2.76	2.82	10.15	10.56	12.34	13.39
Brazil	0.11	0.16	0.82	3.24	6.07	9.23	9.88	12.49	14.17
Colombia	1.12	1.41	2.39	3.37	5.46	6.12	8.89	9.42	9.26
Cuba	0.00	0.01	0.01	0.03	0.46	0.60	0.92	0.85	0.87
Ecuador	0.06	0.05	0.04	0.22	0.28	0.39	0.43	0.49	0.49
Peru	0.31	0.30	0.45	0.41	0.49	1.63	4.10	7.62	11.44
Trinidad and Tobago	1.60	1.59	2.44	4.70	12.96	27.65	36.18	37.45	35.82
Venezuela	8.92	10.75	13.97	20.75	27.07	28.68	21.99	23.15	23.84
Other Non-OECD Americas	0.00	0.00	0.01	0.02	0.03	0.02	0.01	0.02	0.01
<b>Non-OECD Americas</b>	<b>17.84</b>	<b>21.72</b>	<b>30.82</b>	<b>52.51</b>	<b>89.32</b>	<b>124.38</b>	<b>130.13</b>	<b>139.18</b>	<b>143.49</b>
Bangladesh	0.38	0.52	1.04	3.72	7.37	10.80	15.32	16.49	16.49
Brunei Darussalam	0.10	1.54	8.94	7.94	9.46	10.00	10.45	10.27	10.71
Chinese Taipei	0.91	1.22	1.59	1.04	0.60	0.44	0.28	0.24	0.24
India	0.59	0.63	1.26	10.57	23.06	25.93	38.50	42.43	38.37
Indonesia	0.24	0.33	14.96	42.10	61.11	65.52	67.05	74.74	79.97
Malaysia	0.07	0.10	2.02	13.93	38.29	49.82	46.75	45.90	46.12
Myanmar	0.06	0.09	0.29	0.76	5.17	10.30	9.74	10.21	9.94
Pakistan	2.36	2.86	5.02	10.08	16.66	25.64	27.29	26.98	26.57
Philippines	-	-	-	-	0.01	2.70	3.21	3.05	3.07
Thailand	-	-	-	4.99	15.63	18.50	21.44	24.71	23.35
Vietnam	-	-	-	0.00	1.12	5.99	7.10	8.12	7.39
Other Asia	2.08	2.19	2.21	0.24	0.20	0.22	5.79	5.10	5.70
<b>Asia</b>	<b>6.78</b>	<b>9.48</b>	<b>37.33</b>	<b>95.39</b>	<b>178.71</b>	<b>225.85</b>	<b>252.92</b>	<b>268.22</b>	<b>267.91</b>
People's Rep. of China	3.13	5.01	11.96	12.80	22.76	41.26	71.34	79.35	86.26
<b>China</b>	<b>3.13</b>	<b>5.01</b>	<b>11.96</b>	<b>12.80</b>	<b>22.76</b>	<b>41.26</b>	<b>71.34</b>	<b>79.35</b>	<b>86.26</b>

## Production of natural gas (Mtoe)

*Production de gaz naturel (Mtep)*

*Erzeugung von Erdgas (Mtoe)*

*Produzione di gas naturale (Mtep)*

*天然ガスの生産量（石油換算百万トン）*

*Producción de gas natural (Mtep)*

*Производство природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Albania	0.11	0.16	0.32	0.20	0.01	0.01	0.01	0.01	0.01
Azerbaijan*	..	..	..	8.02	4.74	4.64	13.62	13.95	13.73
Belarus*	..	..	..	0.24	0.21	0.19	0.17	0.18	0.18
Bulgaria	0.25	0.17	0.15	-	0.01	0.38	0.01	0.06	0.39
Croatia*	..	..	..	1.62	1.35	1.86	2.20	2.21	1.90
Georgia*	..	..	..	0.05	0.06	0.02	0.01	0.01	0.00
Kazakhstan*	..	..	..	5.76	7.62	15.82	23.62	24.60	24.75
Kyrgyzstan*	..	..	..	0.07	0.03	0.02	0.01	0.01	0.01
Romania	22.44	24.30	31.27	22.90	10.97	9.70	8.94	8.62	8.70
Russian Federation*	..	..	..	516.67	470.60	515.70	474.35	540.00	556.24
Serbia*	..	..	..	0.53	0.62	0.23	0.21	0.31	0.32
Tajikistan*	..	..	..	0.09	0.03	0.02	0.03	0.03	0.03
Turkmenistan*	..	..	..	68.77	38.20	51.30	31.06	36.88	44.26
Ukraine*	..	..	..	22.59	15.00	17.43	16.15	15.43	15.52
Uzbekistan*	..	..	..	33.00	45.80	48.97	49.87	48.81	47.84
Former Soviet Union*	175.70	195.40	359.60	x	x	x	x	x	x
Former Yugoslavia*	1.00	1.33	1.74	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>199.49</b>	<b>221.36</b>	<b>393.07</b>	<b>680.52</b>	<b>595.26</b>	<b>666.29</b>	<b>620.26</b>	<b>691.11</b>	<b>713.89</b>
Bahrain	0.76	1.34	2.43	3.55	4.97	6.24	7.89	8.08	8.08
Islamic Republic of Iran	6.79	10.05	3.66	19.12	49.84	83.44	116.22	121.25	125.98
Iraq	0.76	0.99	1.05	3.25	2.57	1.49	3.86	4.19	4.31
Jordan	-	-	-	0.10	0.21	0.18	0.16	0.14	0.12
Kuwait	4.24	4.95	5.63	3.29	7.84	10.04	9.38	9.72	11.23
Oman	-	-	0.31	2.44	9.59	18.69	23.54	25.74	25.17
Qatar	0.82	1.29	2.84	5.56	21.78	39.98	79.53	107.27	134.73
Saudi Arabia	1.15	1.54	9.15	21.24	34.24	55.59	61.35	66.49	75.27
Syrian Arab Republic	-	-	0.04	1.37	4.94	4.94	5.02	7.24	7.87
United Arab Emirates	0.88	1.05	6.30	16.85	33.39	39.01	40.92	42.97	43.40
Yemen	-	-	-	-	-	-	0.47	5.58	8.11
<b>Middle East</b>	<b>15.40</b>	<b>21.21</b>	<b>31.41</b>	<b>76.76</b>	<b>169.37</b>	<b>259.62</b>	<b>348.32</b>	<b>398.67</b>	<b>444.28</b>
<b>Non-OECD Total*</b>	<b>246.52</b>	<b>286.88</b>	<b>523.61</b>	<b>974.31</b>	<b>1 159.82</b>	<b>1 472.05</b>	<b>1 589.66</b>	<b>1 753.99</b>	<b>1 822.13</b>
<i>European Union - 27*</i>	..	..	..	162.39	207.78	188.62	153.01	156.15	138.26
OECD Americas	565.87	575.05	540.46	530.80	623.46	607.67	654.87	670.80	710.78
OECD Asia Oceania	4.15	6.00	10.33	22.95	35.88	39.25	48.95	52.74	60.10
OECD Europe*	88.16	125.17	168.38	163.80	243.60	254.30	235.28	241.57	220.23
<b>OECD Total*</b>	<b>658.18</b>	<b>706.22</b>	<b>719.16</b>	<b>717.56</b>	<b>902.94</b>	<b>901.22</b>	<b>939.10</b>	<b>965.11</b>	<b>991.11</b>
<b>World</b>	<b>904.70</b>	<b>993.10</b>	<b>1 242.77</b>	<b>1 691.86</b>	<b>2 062.76</b>	<b>2 373.27</b>	<b>2 528.77</b>	<b>2 719.10</b>	<b>2 813.24</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of nuclear energy (Mtoe)***Production d'énergie nucléaire (Mtep)**Erzeugung von Kernenergie (Mtoe)**Produzione di energia nucleare (Mtep)**原子力の生産量（石油換算百万トン）**Producción de energía nuclear (Mtep)**Производство атомной энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
South Africa	-	-	-	2.20	3.39	2.94	3.39	3.34	3.15
<b>Africa</b>	-	-	-	<b>2.20</b>	<b>3.39</b>	<b>2.94</b>	<b>3.39</b>	<b>3.34</b>	<b>3.15</b>
Argentina	-	-	0.61	1.90	1.61	1.79	1.91	2.13	1.87
Brazil	-	-	-	0.58	1.58	2.57	3.64	3.38	3.78
<b>Non-OECD Americas</b>	-	-	<b>0.61</b>	<b>2.48</b>	<b>3.19</b>	<b>4.36</b>	<b>5.55</b>	<b>5.50</b>	<b>5.65</b>
Chinese Taipei	-	-	2.14	8.57	10.03	10.42	10.64	10.83	10.85
India	0.31	0.62	0.78	1.60	4.40	4.51	3.89	4.86	6.85
Pakistan	0.03	0.08	0.00	0.08	0.52	0.65	0.42	0.75	0.89
<b>Asia</b>	<b>0.34</b>	<b>0.70</b>	<b>2.92</b>	<b>10.24</b>	<b>14.96</b>	<b>15.58</b>	<b>14.95</b>	<b>16.44</b>	<b>18.59</b>
People's Rep. of China	-	-	-	-	4.36	13.84	17.82	18.28	19.25
<b>China</b>	-	-	-	-	<b>4.36</b>	<b>13.84</b>	<b>17.82</b>	<b>18.28</b>	<b>19.25</b>
Armenia*	..	..	..	-	0.52	0.71	0.64	0.65	0.65
Bulgaria	-	-	1.61	3.82	4.75	4.88	4.13	4.00	4.00
Lithuania*	..	..	..	4.50	2.25	2.74	2.62	2.87	-
Romania	-	-	-	-	1.42	1.45	2.93	3.06	3.03
Russian Federation*	..	..	..	31.30	34.42	39.25	42.83	42.96	44.76
Ukraine*	..	..	..	19.85	20.16	23.13	23.41	21.76	23.39
Former Soviet Union*	1.59	3.13	19.02	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>1.59</b>	<b>3.13</b>	<b>20.63</b>	<b>59.48</b>	<b>63.51</b>	<b>72.16</b>	<b>76.56</b>	<b>75.31</b>	<b>75.82</b>
<b>Non-OECD Total*</b>	<b>1.93</b>	<b>3.83</b>	<b>24.16</b>	<b>74.40</b>	<b>89.41</b>	<b>108.87</b>	<b>118.28</b>	<b>118.87</b>	<b>122.47</b>
<i>European Union - 27*</i>	..	..	..	207.31	246.35	260.16	244.39	233.14	238.99
OECD Americas	11.68	27.31	79.77	179.55	229.00	238.08	245.38	242.57	243.79
OECD Asia Oceania	2.08	2.53	22.43	66.50	112.32	117.67	106.61	111.41	113.84
OECD Europe*	13.26	19.38	60.05	205.17	244.85	257.21	241.97	230.45	238.86
<b>OECD Total*</b>	<b>27.02</b>	<b>49.22</b>	<b>162.25</b>	<b>451.21</b>	<b>586.18</b>	<b>612.96</b>	<b>593.95</b>	<b>584.44</b>	<b>596.49</b>
<b>World</b>	<b>28.95</b>	<b>53.05</b>	<b>186.41</b>	<b>525.61</b>	<b>675.59</b>	<b>721.84</b>	<b>712.23</b>	<b>703.31</b>	<b>718.96</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Production of hydro energy (Mtoe)

*Production d'énergie hydraulique (Mtep)*

*Erzeugung von Wasserkraft (Mtoe)*

*Produzione di energia idroelettrica (Mtep)*

*水力の生産量（石油換算百万トン）*

*Producción de energía hidráulica (Mtep)*

*Производство гидроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.03	0.06	0.02	0.01	0.00	0.05	0.02	0.03	0.02
Angola	0.05	0.07	0.05	0.06	0.08	0.19	0.27	0.27	0.30
Benin	-	-	-	-	0.00	0.00	-	-	-
Cameroon	0.09	0.09	0.12	0.23	0.30	0.32	0.36	0.35	0.37
Congo	0.00	0.00	0.01	0.04	0.03	0.03	0.03	0.03	0.04
Dem. Rep. of Congo	0.30	0.32	0.36	0.48	0.52	0.64	0.64	0.67	0.68
Côte d'Ivoire	0.01	0.01	0.12	0.11	0.15	0.12	0.16	0.18	0.14
Egypt	0.43	0.44	0.84	0.85	1.18	1.09	1.26	1.11	1.12
Ethiopia	0.03	0.03	0.04	0.09	0.14	0.24	0.28	0.30	0.42
Gabon	-	0.00	0.02	0.06	0.07	0.07	0.08	0.08	0.07
Ghana	0.25	0.33	0.45	0.49	0.57	0.48	0.53	0.59	0.60
Kenya	0.03	0.04	0.09	0.21	0.11	0.26	0.25	0.19	0.29
Morocco	0.13	0.10	0.13	0.10	0.06	0.08	0.08	0.22	0.30
Mozambique	0.02	0.02	0.03	0.02	0.83	1.14	1.30	1.46	1.43
Namibia*	..	..	..	..	0.11	0.13	0.12	0.12	0.11
Nigeria	0.14	0.16	0.24	0.38	0.48	0.49	0.49	0.39	0.55
Senegal	-	-	-	-	-	0.02	0.02	0.02	0.02
South Africa	0.01	0.08	0.09	0.09	0.09	0.11	0.11	0.12	0.18
Sudan	0.02	0.04	0.05	0.08	0.10	0.11	0.13	0.28	0.33
United Rep. of Tanzania	0.03	0.03	0.06	0.13	0.18	0.15	0.23	0.23	0.22
Togo	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Tunisia	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00
Zambia	0.08	0.27	0.79	0.68	0.67	0.76	0.83	0.89	0.97
Zimbabwe	0.21	0.30	0.34	0.38	0.28	0.50	0.30	0.32	0.35
Other Africa	0.07	0.09	0.21	0.31	0.47	0.53	0.53	0.52	0.54
<b>Africa</b>	<b>1.93</b>	<b>2.50</b>	<b>4.08</b>	<b>4.84</b>	<b>6.44</b>	<b>7.74</b>	<b>8.05</b>	<b>8.38</b>	<b>9.07</b>
Argentina	0.13	0.26	1.30	1.54	2.47	2.92	2.62	2.91	2.89
Bolivia	0.08	0.08	0.09	0.10	0.17	0.17	0.20	0.20	0.19
Brazil	3.72	4.98	11.09	17.78	26.18	29.02	31.78	33.63	34.68
Colombia	0.57	0.68	1.23	2.36	2.76	3.42	3.99	3.53	3.47
Costa Rica	0.09	0.10	0.18	0.29	0.49	0.56	0.64	0.62	0.62
Cuba	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Dominican Republic	0.05	0.05	0.05	0.03	0.07	0.16	0.12	0.15	0.15
Ecuador	0.04	0.04	0.08	0.43	0.65	0.59	0.97	0.79	0.74
El Salvador	0.04	0.04	0.08	0.14	0.10	0.14	0.18	0.13	0.18
Guatemala	0.02	0.02	0.02	0.15	0.22	0.33	0.32	0.22	0.28
Haiti	0.00	0.01	0.02	0.04	0.02	0.02	0.02	0.02	0.02
Honduras	0.02	0.03	0.07	0.20	0.19	0.15	0.20	0.24	0.26
Jamaica	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nicaragua	0.02	0.03	0.04	0.03	0.02	0.04	0.05	0.03	0.04
Panama	0.01	0.01	0.08	0.19	0.29	0.32	0.34	0.34	0.36
Paraguay	0.01	0.03	0.06	2.34	4.60	4.40	4.77	4.73	4.65
Peru	0.37	0.41	0.60	0.90	1.39	1.55	1.65	1.69	1.72
Uruguay	0.13	0.13	0.30	0.60	0.61	0.57	0.39	0.45	0.75
Venezuela	0.46	0.54	1.25	3.18	5.41	6.64	7.47	7.39	6.60
Other Non-OECD Americas	0.09	0.09	0.09	0.13	0.09	0.15	0.17	0.18	0.18
<b>Non-OECD Americas</b>	<b>5.87</b>	<b>7.53</b>	<b>16.65</b>	<b>30.44</b>	<b>45.75</b>	<b>51.20</b>	<b>55.88</b>	<b>57.25</b>	<b>57.81</b>

Does not include electricity output from pumped storage plants.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Production of hydro energy (Mtoe)

*Production d'énergie hydraulique (Mtep)*

*Erzeugung von Wasserkraft (Mtoe)*

*Produzione di energia idroelettrica (Mtep)*

*水力の生産量（石油換算百万トン）*

*Producción de energía hidráulica (Mtep)*

*Производство гидроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.02	0.03	0.05	0.08	0.08	0.11	0.13	0.13	0.14
Cambodia*	..	..	..	..	-	0.00	0.00	0.00	0.00
Chinese Taipei	0.27	0.29	0.25	0.55	0.39	0.34	0.37	0.32	0.36
India	2.41	2.49	4.00	6.16	6.40	8.75	9.48	8.96	9.84
Indonesia	0.07	0.09	0.12	0.49	0.86	0.92	0.99	0.98	1.52
DPR of Korea	0.79	0.82	0.91	1.34	0.88	1.13	1.21	1.07	1.15
Malaysia	0.09	0.10	0.12	0.34	0.60	0.45	0.64	0.60	0.56
Myanmar	0.04	0.05	0.07	0.10	0.16	0.26	0.35	0.45	0.44
Nepal	0.01	0.01	0.02	0.08	0.14	0.22	0.24	0.27	0.28
Pakistan	0.32	0.37	0.75	1.46	1.48	2.65	2.39	2.42	2.74
Philippines	-	0.16	0.30	0.52	0.67	0.72	0.85	0.84	0.67
Sri Lanka	0.07	0.06	0.13	0.27	0.27	0.30	0.36	0.34	0.48
Thailand	0.18	0.16	0.11	0.43	0.52	0.50	0.61	0.61	0.48
Vietnam	0.05	0.04	0.13	0.46	1.25	1.46	2.23	2.58	2.37
Other Asia	0.08	0.07	0.20	0.39	0.69	0.74	1.14	1.13	1.21
<b>Asia</b>	<b>4.38</b>	<b>4.74</b>	<b>7.15</b>	<b>12.67</b>	<b>14.40</b>	<b>18.55</b>	<b>21.00</b>	<b>20.71</b>	<b>22.24</b>
People's Rep. of China	2.58	3.27	5.01	10.90	19.13	34.14	50.33	52.95	62.11
<b>China</b>	<b>2.58</b>	<b>3.27</b>	<b>5.01</b>	<b>10.90</b>	<b>19.13</b>	<b>34.14</b>	<b>50.33</b>	<b>52.95</b>	<b>62.11</b>
Albania	0.06	0.10	0.25	0.24	0.40	0.46	0.33	0.45	0.65
Armenia*	..	..	..	0.13	0.11	0.15	0.15	0.17	0.22
Azerbaijan*	..	..	..	0.06	0.13	0.26	0.19	0.20	0.30
Belarus*	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Bosnia and Herzegovina*	..	..	..	0.26	0.44	0.52	0.42	0.54	0.69
Bulgaria	0.19	0.22	0.32	0.16	0.23	0.37	0.24	0.30	0.43
Croatia*	..	..	..	0.33	0.51	0.54	0.45	0.58	0.72
Georgia*	..	..	..	0.65	0.50	0.54	0.62	0.64	0.81
Kazakhstan*	..	..	..	0.63	0.65	0.68	0.64	0.59	0.69
Kosovo*	..	..	..	..	0.00	0.01	0.01	0.01	0.01
Kyrgyzstan*	..	..	..	0.86	1.18	1.23	0.92	0.85	0.89
Latvia*	..	..	..	0.39	0.24	0.29	0.27	0.30	0.30
Lithuania*	..	..	..	0.04	0.03	0.04	0.03	0.04	0.05
FYR of Macedonia*	..	..	..	0.04	0.10	0.13	0.07	0.11	0.21
Republic of Moldova*	..	..	..	0.02	0.01	0.01	0.01	0.00	0.01
Montenegro*	..	..	..	..	..	0.16	0.13	0.18	0.24
Romania	0.39	0.65	1.09	0.98	1.27	1.74	1.48	1.34	1.68
Russian Federation*	..	..	..	14.27	14.11	14.85	14.17	14.98	14.32
Serbia*	..	..	..	0.81	1.03	1.03	0.82	0.91	1.02
Tajikistan*	..	..	..	1.42	1.21	1.46	1.36	1.36	1.36
Turkmenistan*	..	..	..	0.06	0.00	0.00	0.00	0.00	0.00
Ukraine*	..	..	..	0.90	0.97	1.06	0.98	1.03	1.13
Uzbekistan*	..	..	..	0.57	0.51	0.74	0.98	0.80	0.93
Former Soviet Union*	10.84	10.52	15.89	x	x	x	x	x	x
Former Yugoslavia*	1.35	1.41	2.42	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>12.81</b>	<b>12.89</b>	<b>19.97</b>	<b>22.84</b>	<b>23.62</b>	<b>26.26</b>	<b>24.27</b>	<b>25.37</b>	<b>26.66</b>
Islamic Republic of Iran	0.23	0.24	0.48	0.52	0.31	1.38	0.43	0.62	0.82
Iraq	0.02	0.02	0.06	0.22	0.05	0.52	0.30	0.28	0.41
Jordan	-	-	-	0.00	0.00	0.00	0.01	0.01	0.01
Lebanon	0.07	0.04	0.07	0.04	0.04	0.09	0.03	0.05	0.07
Syrian Arab Republic	0.00	0.00	0.22	0.23	0.28	0.37	0.25	0.16	0.22
<b>Middle East</b>	<b>0.32</b>	<b>0.31</b>	<b>0.84</b>	<b>1.03</b>	<b>0.69</b>	<b>2.37</b>	<b>1.01</b>	<b>1.12</b>	<b>1.53</b>

Does not include electricity output from pumped storage plants.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of hydro energy (Mtoe)***Production d'énergie hydraulique (Mtep)**Erzeugung von Wasserkraft (Mtoe)**Produzione di energia idroelettrica (Mtep)*

水力の生産量（石油換算百万トン）

*Producción de energía hidráulica (Mtep)**Производство гидроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
<b>Non-OECD Total*</b>	<b>27.90</b>	<b>31.24</b>	<b>53.69</b>	<b>82.73</b>	<b>110.02</b>	<b>140.26</b>	<b>160.53</b>	<b>165.76</b>	<b>179.41</b>
<i>European Union - 27*</i>	..	..	..	24.61	30.32	26.28	28.14	28.22	31.50
OECD Americas	38.28	41.44	47.70	51.80	57.05	59.36	59.72	59.88	57.84
OECD Asia Oceania	9.48	8.07	10.50	11.44	11.36	10.21	9.78	9.88	10.59
OECD Europe*	27.83	29.44	35.75	38.38	47.11	42.20	45.10	44.25	47.78
<b>OECD Total*</b>	<b>75.59</b>	<b>78.94</b>	<b>93.96</b>	<b>101.62</b>	<b>115.52</b>	<b>111.77</b>	<b>114.60</b>	<b>114.01</b>	<b>116.21</b>
<b>World</b>	<b>103.49</b>	<b>110.19</b>	<b>147.65</b>	<b>184.34</b>	<b>225.54</b>	<b>252.04</b>	<b>275.13</b>	<b>279.78</b>	<b>295.62</b>

Does not include electricity output from pumped storage plants.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Production of geothermal energy (Mtoe)***Production d'énergie géothermique (Mtep)**Erzeugung von geothermischer Energie (Mtoe)**Produzione di energia geotermica (Mtep)**地熱エネルギーの生産量（石油換算百万トン）**Producción de energía geotérmica (Mtep)**Производство геотермальной энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Ethiopia	-	-	-	-	0.00	-	0.01	0.02	0.02
Kenya	-	-	-	0.28	0.37	0.86	1.01	1.15	1.25
<b>Africa</b>	-	-	-	<b>0.28</b>	<b>0.37</b>	<b>0.86</b>	<b>1.03</b>	<b>1.17</b>	<b>1.26</b>
Costa Rica	-	-	-	-	0.47	0.83	0.85	0.95	0.98
El Salvador	-	-	0.42	0.36	0.68	0.90	1.31	1.31	1.31
Guatemala	-	-	-	-	0.02	0.13	0.25	0.33	0.23
Nicaragua	-	-	-	0.33	0.12	0.23	0.28	0.26	0.26
<b>Non-OECD Americas</b>	-	-	<b>0.42</b>	<b>0.69</b>	<b>1.27</b>	<b>2.09</b>	<b>2.69</b>	<b>2.85</b>	<b>2.78</b>
Chinese Taipei	-	-	-	0.00	-	-	-	-	-
Indonesia	-	-	-	1.93	8.37	11.35	14.29	15.98	16.09
Philippines	-	-	1.79	4.70	9.99	8.51	9.22	8.88	8.54
Thailand	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00
<b>Asia</b>	-	-	<b>1.79</b>	<b>6.64</b>	<b>18.37</b>	<b>19.87</b>	<b>23.51</b>	<b>24.86</b>	<b>24.63</b>
People's Rep. of China	-	-	-	-	1.57	2.34	3.18	3.46	3.74
<b>China</b>	-	-	-	-	<b>1.57</b>	<b>2.34</b>	<b>3.18</b>	<b>3.46</b>	<b>3.74</b>
Bulgaria	-	-	-	-	-	0.03	0.03	0.03	0.03
Croatia*	..	..	..	-	-	-	0.00	0.00	0.01
Cyprus	-	-	-	-	-	-	0.00	0.00	0.00
Georgia*	..	..	..	-	0.01	0.01	0.01	0.04	0.05
Lithuania*	..	..	..	-	-	0.00	0.00	0.01	0.00
FYR of Macedonia*	..	..	..	-	0.02	0.01	0.01	0.01	0.01
Romania	-	-	-	-	0.01	0.02	0.03	0.02	0.02
Russian Federation*	..	..	..	0.02	0.05	0.35	0.40	0.40	0.43
Serbia*	..	..	..	-	-	-	0.01	0.00	0.01
<b>Non-OECD Europe and Eurasia*</b>	-	-	-	<b>0.02</b>	<b>0.08</b>	<b>0.43</b>	<b>0.49</b>	<b>0.52</b>	<b>0.56</b>
<b>Non-OECD Total*</b>	-	-	<b>2.21</b>	<b>7.63</b>	<b>21.66</b>	<b>25.59</b>	<b>30.89</b>	<b>32.86</b>	<b>32.97</b>
<i>European Union - 27*</i>	..	..	..	3.19	4.71	5.35	5.73	5.81	5.89
OECD Americas	0.50	2.25	5.39	18.51	18.16	14.91	14.17	13.95	14.10
OECD Asia Oceania	1.08	1.30	1.79	3.05	5.05	4.97	5.14	5.67	6.14
OECD Europe*	2.62	2.53	3.01	4.73	7.25	8.48	10.30	10.93	11.40
<b>OECD Total*</b>	<b>4.20</b>	<b>6.08</b>	<b>10.19</b>	<b>26.29</b>	<b>30.46</b>	<b>28.36</b>	<b>29.61</b>	<b>30.55</b>	<b>31.64</b>
<b>World</b>	<b>4.20</b>	<b>6.08</b>	<b>12.40</b>	<b>33.92</b>	<b>52.12</b>	<b>53.96</b>	<b>60.50</b>	<b>63.41</b>	<b>64.61</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of energy from solar, wind, tide, etc. (Mtoe)***Production d'énergie d'origine solaire, éolienne, marémotrice, etc. (Mtep)**Erzeugung von Solarenergie, Windenergie, Gezeitenenergie usw. (Mtoe)**Produzione di energia solare, eolica, dalle maree, etc. (Mtep)**太陽光、風力、潮力、その他エネルギーの生産量（石油換算百万トン）**Producción de energía solar, eólica, maremotriz, etc. (Mtep)**Производство солнечной энергии, энергии ветра, приливов, и т.д. (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Botswana*	..	..	..	0.001	0.001	0.000	0.000	0.000	0.000
Egypt	-	-	-	-	0.012	0.048	0.080	0.097	0.128
Eritrea*	..	..	..	..	0.000	0.000	0.000	0.000	0.000
Kenya	-	-	-	-	-	-	-	0.001	0.002
Morocco	-	-	-	-	0.006	0.018	0.026	0.034	0.057
Senegal	-	-	-	-	0.000	0.000	0.000	0.000	0.000
South Africa	-	-	-	-	-	0.022	0.055	0.064	0.071
Tunisia	-	-	-	-	0.002	0.004	0.003	0.008	0.012
Other Africa	-	-	-	-	0.001	0.001	0.009	0.009	0.009
<b>Africa</b>	-	-	-	<b>0.001</b>	<b>0.021</b>	<b>0.092</b>	<b>0.173</b>	<b>0.214</b>	<b>0.278</b>
Argentina	-	-	-	-	0.003	0.007	0.004	0.003	0.002
Bolivia	-	-	-	-	-	-	0.000	0.000	0.000
Brazil	-	-	-	-	0.031	0.110	0.305	0.417	0.556
Colombia	-	-	-	-	-	0.004	0.005	0.005	0.003
Costa Rica	-	-	-	-	0.016	0.018	0.017	0.028	0.031
Cuba	-	-	-	-	-	-	0.001	0.000	0.001
Ecuador	-	-	-	-	-	-	0.000	0.000	0.000
Jamaica	-	-	-	-	-	0.004	0.004	0.005	0.005
Nicaragua	-	-	-	-	-	-	-	0.010	0.014
Peru	-	-	-	-	0.053	0.056	0.007	0.007	0.006
Uruguay	-	-	-	-	-	-	0.000	0.004	0.006
<b>Non-OECD Americas</b>	-	-	-	-	<b>0.102</b>	<b>0.198</b>	<b>0.343</b>	<b>0.479</b>	<b>0.624</b>
Cambodia*	..	..	..	..	0.000	0.000	0.000	0.000	0.000
Chinese Taipei	-	-	-	0.018	0.071	0.098	0.152	0.172	0.191
India	-	-	-	0.010	0.181	0.666	1.347	1.756	2.006
Malaysia	-	-	-	-	-	0.000	-	-	-
Philippines	-	-	-	-	-	0.002	0.005	0.006	0.005
Sri Lanka	-	-	-	-	0.001	0.001	0.002	0.002	0.002
Thailand	-	-	-	-	-	-	0.000	0.001	0.002
Other Asia	-	-	-	-	0.017	0.018	0.020	0.021	0.022
<b>Asia</b>	-	-	-	<b>0.028</b>	<b>0.270</b>	<b>0.785</b>	<b>1.526</b>	<b>1.958</b>	<b>2.229</b>
People's Rep. of China	-	-	-	0.033	0.985	2.936	6.693	9.526	12.316
Hong Kong, China	-	-	-	-	-	-	0.000	0.000	0.000
<b>China</b>	-	-	-	<b>0.033</b>	<b>0.985</b>	<b>2.936</b>	<b>6.693</b>	<b>9.526</b>	<b>12.316</b>
Albania	-	-	-	-	0.001	0.002	0.007	0.007	0.007
Armenia*	..	..	..	-	-	-	0.000	0.000	0.001
Azerbaijan*	..	..	..	-	-	-	-	0.000	0.000
Belarus*	..	..	..	-	-	0.000	0.000	0.000	0.000
Bulgaria	-	-	-	-	-	0.000	0.011	0.021	0.070
Croatia*	..	..	..	-	-	0.001	0.008	0.009	0.017
Cyprus	-	-	-	-	0.036	0.041	0.056	0.062	0.069
Kosovo*	..	..	..	..	0.000	0.000	0.001	0.001	0.001
Latvia*	..	..	..	-	0.000	0.004	0.005	0.004	0.004
Lithuania*	..	..	..	-	-	0.000	0.011	0.014	0.019
Malta	-	-	-	-	-	0.001	0.001	0.001	0.001
Montenegro*	..	..	..	..	..	0.031	0.039	0.014	0.013
Romania	-	-	-	-	-	-	0.001	0.001	0.026
Russian Federation*	..	..	..	-	0.000	0.001	0.000	0.000	0.000
Serbia*	..	..	..	-	-	-	0.042	0.042	0.042
Ukraine*	..	..	..	-	0.001	0.003	0.004	0.004	0.008
<b>Non-OECD Europe and Eurasia*</b>	-	-	-	-	<b>0.038</b>	<b>0.085</b>	<b>0.185</b>	<b>0.178</b>	<b>0.279</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of energy from solar, wind, tide, etc. (Mtoe)***Production d'énergie d'origine solaire, éolienne, marémotrice, etc. (Mtep)**Erzeugung von Solarenergie, Windenergie, Gezeitenenergie usw. (Mtoe)**Produzione di energia solare, eolica, dalle maree, etc. (Mtep)**太陽光、風力、潮力、その他エネルギーの生産量（石油換算百万トン）**Producción de energía solar, eólica, maremotriz, etc. (Mtep)**Производство солнечной энергии, энергии ветра, приливов, и т.д. (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Islamic Republic of Iran	-	-	-	-	0.003	0.006	0.017	0.019	0.014
Jordan	-	-	-	0.058	0.065	0.067	0.110	0.120	0.124
Lebanon	-	-	-	-	0.004	0.008	0.012	0.013	0.015
<b>Middle East</b>	-	-	-	<b>0.058</b>	<b>0.072</b>	<b>0.081</b>	<b>0.139</b>	<b>0.153</b>	<b>0.153</b>
<b>Non-OECD Total*</b>	-	-	-	<b>0.120</b>	<b>1.488</b>	<b>4.176</b>	<b>9.058</b>	<b>12.508</b>	<b>15.879</b>
<i>European Union - 27*</i>	..	..	..	0.254	2.415	6.933	12.063	13.997	16.572
OECD Americas	-	-	-	0.341	2.147	3.169	6.945	8.888	11.120
OECD Asia Oceania	-	-	0.020	1.617	1.587	1.823	2.622	2.852	3.216
OECD Europe*	0.043	0.048	0.052	0.289	2.668	7.346	12.584	14.581	17.196
<b>OECD Total*</b>	<b>0.043</b>	<b>0.048</b>	<b>0.071</b>	<b>2.247</b>	<b>6.402</b>	<b>12.338</b>	<b>22.150</b>	<b>26.321</b>	<b>31.533</b>
<b>World</b>	<b>0.043</b>	<b>0.048</b>	<b>0.071</b>	<b>2.367</b>	<b>7.890</b>	<b>16.515</b>	<b>31.208</b>	<b>38.829</b>	<b>47.412</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of biofuels and waste (Mtoe)***Production de biocarburants et de déchets (Mtep)**Erzeugung von Biokraftstoffen und Abfällen (Mtoe)**Produzione di biocarburanti e rifiuti (Mtep)**バイオ燃料及び廃棄物の生産量 (石油換算百万トン)**Producción de biocombustibles y desechos (Mtep)**Производство биотоплива и отходов (Мтпэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.01	0.01	0.01	0.02	0.08	0.10	0.07	0.08	0.07
Angola	3.19	3.23	3.60	4.32	5.61	6.64	7.26	7.47	7.68
Benin	1.00	1.04	1.21	1.56	1.45	1.67	1.94	2.00	2.05
Botswana*	..	..	..	0.42	0.54	0.46	0.47	0.48	0.49
Cameroon	2.36	2.46	2.97	3.82	4.98	5.58	4.26	4.43	4.43
Congo	0.31	0.33	0.38	0.47	0.59	0.66	0.72	0.74	0.76
Dem. Rep. of Congo	5.57	5.88	7.22	10.00	15.76	18.77	20.77	21.47	22.20
Côte d'Ivoire	1.63	4.22	4.22	4.22	4.22	7.17	7.60	7.11	7.25
Egypt	0.65	0.68	0.79	1.06	1.33	1.45	1.53	1.56	1.59
Eritrea*	..	..	..	..	0.51	0.50	0.55	0.56	0.58
Ethiopia	8.10	8.53	10.29	13.96	17.42	19.61	29.29	30.13	30.99
Gabon	0.49	0.51	0.59	0.74	0.92	1.03	1.09	1.11	1.13
Ghana	2.09	2.29	2.85	3.90	5.32	5.65	5.83	5.89	5.95
Kenya	4.11	4.42	5.74	8.26	11.00	12.52	13.51	13.87	14.23
Libya	0.10	0.11	0.13	0.13	0.14	0.15	0.16	0.17	0.17
Morocco	0.13	0.13	0.26	0.32	0.44	0.46	0.48	0.48	0.48
Mozambique	5.95	5.88	5.94	5.56	6.42	7.05	7.70	8.00	8.32
Namibia*	..	..	..	..	0.17	0.19	0.20	0.20	0.21
Nigeria	33.96	35.67	42.97	56.58	74.04	83.70	90.19	92.48	94.83
Senegal	0.83	0.84	0.89	0.96	1.16	1.19	1.40	1.53	1.57
South Africa	4.70	5.13	6.33	10.58	12.87	13.81	14.27	14.43	14.62
Sudan	5.65	5.87	7.04	8.69	10.87	11.38	10.51	10.81	11.09
United Rep. of Tanzania	6.85	6.88	7.24	8.93	12.46	15.26	16.73	17.22	17.76
Togo	0.61	0.64	0.75	1.05	1.76	1.99	2.13	2.18	2.22
Tunisia	0.42	0.43	0.50	0.64	0.93	1.12	1.25	1.17	1.35
Zambia	2.13	2.30	2.90	4.01	5.14	5.77	6.24	6.41	6.51
Zimbabwe	3.05	3.17	3.66	4.73	5.59	6.02	6.21	6.24	6.26
Other Africa	23.80	24.65	28.75	36.47	47.39	54.59	60.04	61.78	63.56
<b>Africa</b>	<b>117.67</b>	<b>125.31</b>	<b>147.22</b>	<b>191.38</b>	<b>249.09</b>	<b>284.51</b>	<b>312.40</b>	<b>319.98</b>	<b>328.37</b>
Argentina	2.26	2.10	2.15	1.72	2.96	2.27	3.43	3.27	3.75
Bolivia	0.19	0.23	0.74	0.75	0.72	0.79	1.06	1.10	1.78
Brazil	35.69	36.62	40.48	47.25	45.70	64.09	80.35	76.70	83.08
Colombia	4.42	3.40	4.73	5.52	3.43	3.24	3.54	3.52	3.31
Costa Rica	0.57	0.59	0.58	0.74	0.25	0.64	0.84	0.77	0.80
Cuba	4.13	3.91	4.60	7.01	3.88	2.14	1.44	1.53	1.27
Dominican Republic	1.17	1.16	1.28	1.00	1.36	1.50	1.79	1.80	1.78
Ecuador	1.10	1.05	0.98	0.83	0.70	0.57	0.65	0.62	0.65
El Salvador	1.21	1.29	1.41	1.19	1.34	1.44	1.01	0.77	0.77
Guatemala	1.91	2.02	2.35	3.04	3.90	3.99	4.30	5.12	6.36
Haiti	1.38	1.46	1.86	1.21	1.52	1.90	1.97	1.85	1.60
Honduras	0.99	1.03	1.25	1.50	1.33	1.63	1.88	1.95	1.96
Jamaica	0.27	0.24	0.21	0.48	0.58	0.39	0.48	0.52	0.45
Nicaragua	0.72	0.76	0.86	1.13	1.42	1.68	1.37	1.37	1.42
Panama	0.34	0.33	0.44	0.42	0.46	0.45	0.55	0.51	0.48
Paraguay	1.15	1.25	1.55	2.24	2.24	2.18	2.60	2.41	2.45
Peru	3.45	3.51	3.43	2.67	2.23	2.27	1.88	2.47	3.07
Trinidad and Tobago	0.04	0.02	0.03	0.07	0.05	0.04	0.03	0.03	0.01
Uruguay	0.39	0.40	0.47	0.55	0.42	0.45	1.00	1.06	1.29
Venezuela	0.56	0.55	0.55	0.77	0.88	0.93	0.96	0.96	0.96
Other Non-OECD Americas	0.47	0.48	0.65	0.58	0.66	0.71	0.73	0.74	0.74
<b>Non-OECD Americas</b>	<b>62.42</b>	<b>62.40</b>	<b>70.61</b>	<b>80.66</b>	<b>76.02</b>	<b>93.30</b>	<b>111.85</b>	<b>109.06</b>	<b>117.99</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of biofuels and waste (Mtoe)***Production de biocarburants et de déchets (Mtep)**Erzeugung von Biokraftstoffen und Abfällen (Mtoe)**Produzione di biocarburanti e rifiuti (Mtep)**バイオ燃料及び廃棄物の生産量 (石油換算百万トン)**Producción de biocombustibles y desechos (Mtep)**Производство биотоплива и отходов (Мтпэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	4.46	4.79	5.65	6.86	7.61	8.25	8.54	8.63	8.73
Brunei Darussalam	0.02	0.01	0.01	0.00	-	-	-	-	-
Cambodia*	..	..	..	..	2.72	2.49	2.27	3.60	3.62
Chinese Taipei	-	-	-	-	0.61	1.16	1.25	1.21	1.31
India	95.78	100.22	116.46	133.46	148.88	158.98	165.65	167.90	170.18
Indonesia	26.35	26.94	30.29	43.55	49.22	50.47	52.34	52.80	54.33
DPR of Korea	0.68	0.72	0.86	0.95	1.00	1.04	1.06	1.06	1.07
Malaysia	1.47	1.55	1.82	2.36	2.88	3.21	3.59	3.64	3.51
Mongolia*	..	..	..	0.08	0.13	0.17	0.18	0.18	0.15
Myanmar	6.36	6.68	7.57	9.02	9.19	10.17	10.38	10.46	10.54
Nepal	3.59	3.75	4.39	5.43	6.99	7.93	8.39	8.55	8.70
Pakistan	10.63	11.33	14.03	18.77	24.00	26.35	27.81	28.32	28.83
Philippines	7.46	7.85	9.42	11.12	8.10	7.16	6.92	6.93	6.79
Singapore	-	-	-	0.06	0.17	0.32	0.36	0.37	0.40
Sri Lanka	2.74	2.79	3.08	3.92	4.47	4.62	4.72	4.77	5.05
Thailand	7.60	7.91	10.65	14.69	14.59	17.16	20.24	20.65	22.56
Vietnam	8.26	8.65	10.14	12.47	14.19	14.79	14.72	14.72	14.71
Other Asia	1.09	1.14	2.54	3.28	4.17	4.31	4.34	4.29	4.40
<b>Asia</b>	<b>176.48</b>	<b>184.34</b>	<b>216.90</b>	<b>266.03</b>	<b>298.93</b>	<b>318.57</b>	<b>332.76</b>	<b>338.08</b>	<b>344.87</b>
People's Rep. of China	154.24	161.72	179.93	200.41	203.62	202.70	202.38	203.50	205.82
Hong Kong, China	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05
<b>China</b>	<b>154.27</b>	<b>161.76</b>	<b>179.97</b>	<b>200.45</b>	<b>203.67</b>	<b>202.75</b>	<b>202.44</b>	<b>203.55</b>	<b>205.87</b>
Albania	0.38	0.38	0.38	0.36	0.26	0.23	0.22	0.21	0.21
Armenia*	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Belarus*	..	..	..	0.20	0.96	1.27	1.54	1.61	1.73
Bosnia and Herzegovina*	..	..	..	0.16	0.18	0.18	0.18	0.18	0.18
Bulgaria	0.27	0.24	0.20	0.17	0.56	0.78	0.79	0.80	0.96
Croatia*	..	..	..	0.31	0.37	0.36	0.41	0.45	0.50
Cyprus	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.02
Georgia*	..	..	..	0.47	0.65	0.35	0.38	0.38	0.36
Kazakhstan*	..	..	..	0.11	0.07	0.01	0.07	0.07	0.05
Kosovo*	..	..	..	..	0.16	0.17	0.23	0.23	0.24
Kyrgyzstan*	..	..	..	0.01	0.00	0.00	0.00	0.00	0.00
Latvia*	..	..	..	0.68	1.15	1.57	1.51	1.79	1.80
Lithuania*	..	..	..	0.28	0.65	0.86	1.01	1.11	1.11
FYR of Macedonia*	..	..	..	-	0.21	0.15	0.17	0.20	0.20
Republic of Moldova*	..	..	..	0.04	0.06	0.08	0.08	0.08	0.08
Montenegro*	..	..	..	..	..	0.02	0.02	0.03	0.03
Romania	1.39	1.37	0.96	0.60	2.85	3.31	3.91	3.93	3.98
Russian Federation*	..	..	..	12.18	7.01	6.95	6.17	6.41	6.96
Serbia*	..	..	..	1.17	0.87	0.90	0.81	1.06	1.05
Ukraine*	..	..	..	0.36	0.26	0.26	0.88	1.45	1.46
Uzbekistan*	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Former Soviet Union*	20.15	19.48	18.40	x	x	x	x	x	x
Former Yugoslavia*	1.67	0.89	0.72	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>23.86</b>	<b>22.36</b>	<b>20.65</b>	<b>17.12</b>	<b>16.29</b>	<b>17.46</b>	<b>18.40</b>	<b>20.03</b>	<b>20.91</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Production of biofuels and waste (Mtoe)***Production de biocarburants et de déchets (Mtep)**Erzeugung von Biokraftstoffen und Abfällen (Mtoe)**Produzione di biocarburanti e rifiuti (Mtep)**バイオ燃料及び廃棄物の生産量 (石油換算百万トン)**Producción de biocombustibles y desechos (Mtep)**Производство биотоплива и отходов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Islamic Republic of Iran	0.15	0.15	0.14	0.22	0.15	0.40	0.31	0.31	0.31
Iraq	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03
Jordan	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Kuwait	0.00	0.00	0.00	0.00	-	-	-	-	-
Lebanon	0.10	0.10	0.10	0.10	0.13	0.14	0.13	0.12	0.12
Syrian Arab Republic	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Yemen	0.05	0.05	0.06	0.08	0.08	0.09	0.10	0.10	0.11
<b>Middle East</b>	<b>0.32</b>	<b>0.32</b>	<b>0.34</b>	<b>0.42</b>	<b>0.39</b>	<b>0.67</b>	<b>0.58</b>	<b>0.57</b>	<b>0.57</b>
<b>Non-OECD Total*</b>	<b>535.00</b>	<b>556.50</b>	<b>635.70</b>	<b>756.06</b>	<b>844.40</b>	<b>917.26</b>	<b>978.42</b>	<b>991.26</b>	<b>1 018.58</b>
<i>European Union - 27*</i>	..	..	..	46.04	65.69	84.51	105.43	111.16	124.10
OECD Americas	50.11	52.84	70.81	82.11	98.56	101.53	110.92	110.28	116.84
OECD Asia Oceania	3.56	3.53	4.13	10.42	13.37	15.56	16.86	16.27	17.04
OECD Europe*	29.34	30.91	35.66	53.96	70.15	86.73	106.59	111.69	124.62
<b>OECD Total*</b>	<b>83.01</b>	<b>87.29</b>	<b>110.60</b>	<b>146.49</b>	<b>182.08</b>	<b>203.82</b>	<b>234.37</b>	<b>238.23</b>	<b>258.50</b>
<b>World</b>	<b>618.02</b>	<b>643.78</b>	<b>746.29</b>	<b>902.55</b>	<b>1 026.48</b>	<b>1 121.08</b>	<b>1 212.79</b>	<b>1 229.49</b>	<b>1 277.08</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total production of energy (Mtoe)***Production totale d'énergie (Mtep)**Gesamte Energieerzeugung (Mtoe)**Produzione totale di energia (Mtep)**エネルギー総生産量 (石油換算百万トン)**Producción total de energía (Mtep)**Общее производство топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	41.51	56.49	65.74	100.11	142.25	166.69	162.06	152.74	150.52
Angola	9.12	11.68	11.30	28.65	43.75	71.12	106.07	101.27	98.92
Benin	1.00	1.04	1.21	1.77	1.45	1.67	1.94	2.00	2.05
Botswana*	..	..	..	0.91	1.13	1.06	1.04	0.94	1.10
Cameroon	2.45	2.55	6.71	10.98	11.14	10.49	9.30	8.84	8.41
Congo	0.33	2.44	3.82	8.75	14.58	13.64	13.26	15.30	17.32
Dem. Rep. of Congo	5.93	6.28	8.58	12.02	17.51	20.76	22.66	23.35	24.08
Côte d'Ivoire	1.64	4.24	4.42	4.43	6.01	10.63	11.42	10.82	10.45
Egypt	16.36	9.84	33.48	54.87	53.09	77.98	89.14	87.99	88.38
Eritrea*	..	..	..	..	0.51	0.50	0.55	0.56	0.58
Ethiopia	8.13	8.56	10.33	14.05	17.57	19.85	29.58	30.45	31.43
Gabon	6.45	8.64	9.44	14.63	15.14	14.94	13.51	13.59	14.30
Ghana	2.34	2.63	3.31	4.39	5.88	6.14	6.36	6.48	6.73
Kenya	4.14	4.46	5.83	8.75	11.48	13.65	14.77	15.21	15.78
Libya	137.51	112.56	96.55	73.17	75.43	98.23	106.70	93.30	88.55
Morocco	0.62	0.69	0.88	0.77	0.57	0.61	0.63	0.78	0.89
Mozambique	6.17	6.13	6.09	5.61	7.26	10.08	11.56	11.96	12.49
Namibia*	..	..	..	..	0.29	0.32	0.32	0.33	0.32
Nigeria	111.49	139.93	148.48	150.45	201.60	233.33	228.62	229.29	258.36
Senegal	0.83	0.84	0.89	0.96	1.19	1.27	1.44	1.57	1.62
South Africa	37.77	40.36	73.17	114.53	145.62	157.89	161.39	159.53	162.41
Sudan	5.67	5.91	7.09	8.77	19.98	27.04	34.15	35.25	34.94
United Rep. of Tanzania	6.87	6.91	7.30	9.06	12.69	15.79	17.48	18.05	18.68
Togo	0.61	0.64	0.75	1.05	1.76	2.00	2.14	2.18	2.23
Tunisia	4.65	4.54	6.67	5.73	6.63	6.68	7.55	7.59	8.08
Zambia	2.69	3.12	4.03	4.92	5.92	6.63	7.07	7.30	7.48
Zimbabwe	5.10	5.28	5.79	8.55	8.62	8.86	8.25	8.40	8.60
Other Africa	23.97	24.84	29.09	36.98	54.12	83.50	90.48	90.18	93.20
<b>Africa</b>	<b>443.37</b>	<b>470.60</b>	<b>550.92</b>	<b>684.88</b>	<b>883.19</b>	<b>1 081.34</b>	<b>1 159.44</b>	<b>1 135.24</b>	<b>1 167.89</b>
Argentina	30.56	30.53	38.81	48.42	82.26	84.69	82.87	80.82	78.85
Bolivia	2.30	4.57	4.37	4.92	5.54	13.92	16.18	14.19	16.74
Brazil	49.12	51.24	64.35	104.17	147.60	194.61	227.94	230.41	246.37
Colombia	19.37	17.19	17.71	48.18	72.33	78.60	92.62	98.21	105.46
Costa Rica	0.66	0.69	0.77	1.03	1.22	2.05	2.35	2.37	2.44
Cuba	4.29	4.17	5.18	7.90	7.21	5.82	5.50	5.35	5.28
Dominican Republic	1.21	1.21	1.33	1.03	1.42	1.66	1.91	1.95	1.94
Ecuador	1.38	11.90	11.75	16.47	22.65	29.42	28.55	27.32	27.37
El Salvador	1.25	1.33	1.91	1.69	2.12	2.49	2.49	2.21	2.26
Guatemala	1.93	2.04	2.58	3.39	5.28	5.46	5.64	6.42	7.54
Haiti	1.38	1.47	1.88	1.25	1.54	1.92	1.99	1.87	1.61
Honduras	1.01	1.06	1.31	1.69	1.52	1.77	2.08	2.19	2.22
Jamaica	0.28	0.25	0.22	0.48	0.59	0.41	0.49	0.53	0.46
Nicaragua	0.74	0.80	0.91	1.49	1.55	1.95	1.69	1.66	1.73
Panama	0.34	0.34	0.53	0.61	0.76	0.77	0.89	0.84	0.84
Paraguay	1.17	1.27	1.61	4.58	6.84	6.58	7.37	7.14	7.10
Peru	7.35	7.87	14.47	10.60	9.36	10.91	12.65	15.10	19.40
Trinidad and Tobago	8.17	9.98	13.16	12.63	20.01	36.45	42.75	44.02	44.96
Uruguay	0.52	0.54	0.77	1.15	1.03	1.02	1.38	1.52	2.04
Venezuela	210.07	203.40	140.27	149.01	221.40	233.73	205.47	198.62	192.71
Other Non-OECD Americas	0.57	0.57	0.82	1.11	1.47	1.59	1.62	1.63	1.78
<b>Non-OECD Americas</b>	<b>343.68</b>	<b>352.40</b>	<b>324.69</b>	<b>421.82</b>	<b>613.69</b>	<b>715.83</b>	<b>744.43</b>	<b>744.38</b>	<b>769.11</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Total production of energy (Mtoe)

*Production totale d'énergie (Mtep)**Gesamte Energieerzeugung (Mtoe)**Produzione totale di energia (Mtep)**エネルギー総生産量 (石油換算百万トン)**Producción total de energía (Mtep)**Общее производство топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	4.85	5.34	6.75	10.76	15.16	19.30	23.25	24.60	25.81
Brunei Darussalam	6.65	13.16	21.14	15.64	19.68	21.06	21.13	18.94	18.56
Cambodia*	..	..	..	..	2.72	2.50	2.28	3.60	3.62
Chinese Taipei	3.87	3.76	5.82	10.64	11.79	12.48	12.71	12.84	12.96
India	141.56	148.98	186.87	291.82	366.41	423.75	470.92	505.41	518.67
Indonesia	71.73	94.89	125.05	168.51	236.62	279.94	323.63	351.83	381.45
DPR of Korea	18.17	19.05	27.21	28.91	18.79	22.04	20.83	20.28	20.70
Malaysia	4.98	6.17	17.66	47.34	74.30	91.39	91.89	86.07	85.88
Mongolia*	..	..	..	2.75	1.95	3.49	5.18	7.77	14.97
Myanmar	7.34	7.81	9.51	10.65	15.42	22.19	22.59	21.97	22.53
Nepal	3.60	3.76	4.40	5.50	7.14	8.15	8.64	8.82	8.98
Pakistan	14.36	15.59	20.92	34.18	46.89	60.72	62.17	63.65	64.30
Philippines	7.48	8.02	12.17	17.22	19.55	21.40	22.98	23.48	23.42
Singapore	-	-	-	0.06	0.17	0.32	0.36	0.37	0.40
Sri Lanka	2.81	2.85	3.21	4.19	4.75	4.92	5.07	5.11	5.54
Thailand	7.89	8.16	11.18	26.58	43.95	55.19	65.49	64.61	70.56
Vietnam	9.99	10.37	13.18	18.28	39.92	60.76	61.50	66.45	65.87
Other Asia	4.01	4.24	6.64	8.52	8.54	11.33	16.53	17.01	15.92
<b>Asia</b>	<b>309.27</b>	<b>352.15</b>	<b>471.71</b>	<b>701.55</b>	<b>933.73</b>	<b>1 120.92</b>	<b>1 237.14</b>	<b>1 302.79</b>	<b>1 360.15</b>
People's Rep. of China	392.63	429.42	615.47	886.29	1 151.15	1 664.62	1 950.58	2 044.83	2 208.96
Hong Kong, China	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05
<b>China</b>	<b>392.66</b>	<b>429.45</b>	<b>615.51</b>	<b>886.34</b>	<b>1 151.20</b>	<b>1 664.67</b>	<b>1 950.63</b>	<b>2 044.88</b>	<b>2 209.02</b>
Albania	2.43	3.02	3.45	2.46	0.99	1.14	1.15	1.25	1.62
Armenia*	..	..	..	0.14	0.63	0.86	0.80	0.82	0.87
Azerbaijan*	..	..	..	20.64	18.96	27.23	58.60	64.54	65.44
Belarus*	..	..	..	3.34	3.52	3.81	4.03	4.05	4.19
Bosnia and Herzegovina*	..	..	..	4.60	3.08	3.65	4.24	4.43	4.37
Bulgaria	5.71	5.47	7.74	9.60	9.92	10.65	10.24	9.83	10.57
Croatia*	..	..	..	5.13	3.58	3.80	3.96	4.07	4.22
Cyprus	0.01	0.01	0.01	0.01	0.04	0.05	0.08	0.08	0.09
Georgia*	..	..	..	2.02	1.32	0.98	1.08	1.18	1.31
Kazakhstan*	..	..	..	90.98	78.58	118.57	144.37	147.95	156.75
Kosovo*	..	..	..	..	1.10	1.40	1.68	1.85	1.86
Kyrgyzstan*	..	..	..	2.50	1.44	1.45	1.19	1.16	1.18
Latvia*	..	..	..	1.12	1.41	1.86	1.79	2.10	2.11
Lithuania*	..	..	..	4.94	3.39	4.05	4.03	4.39	1.52
FYR of Macedonia*	..	..	..	1.26	1.53	1.58	1.62	1.61	1.62
Malta	-	-	-	-	-	0.00	0.00	0.00	0.00
Republic of Moldova*	..	..	..	0.06	0.06	0.09	0.10	0.10	0.10
Montenegro*	..	..	..	..	..	0.50	0.58	0.44	0.70
Romania	42.81	46.24	52.59	40.83	28.32	27.91	28.98	28.34	27.44
Russian Federation*	..	..	..	1 293.10	977.98	1 203.24	1 253.92	1 186.38	1 293.05
Serbia*	..	..	..	13.40	11.43	10.29	10.79	10.25	10.60
Tajikistan*	..	..	..	2.03	1.26	1.55	1.49	1.50	1.51
Turkmenistan*	..	..	..	73.01	45.97	61.14	68.41	41.07	46.29
Ukraine*	..	..	..	135.79	76.44	80.97	81.29	76.41	76.00
Uzbekistan*	..	..	..	38.64	54.95	56.40	62.02	56.80	55.15
Former Soviet Union*	904.56	991.26	1 358.63	x	x	x	x	x	x
Former Yugoslavia*	14.37	14.68	18.82	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>969.90</b>	<b>1 060.69</b>	<b>1 441.23</b>	<b>1 745.59</b>	<b>1 325.90</b>	<b>1 623.14</b>	<b>1 746.43</b>	<b>1 650.59</b>	<b>1 768.56</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Total production of energy (Mtoe)***Production totale d'énergie (Mtep)**Gesamte Energieerzeugung (Mtoe)**Produzione totale di energia (Mtep)**エネルギー総生産量 (石油換算百万トン)**Producción total de energía (Mtep)**Общее производство топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	10.67	10.83	11.99	13.44	14.86	16.13	17.49	17.55	17.72
Islamic Republic of Iran	238.65	309.73	80.76	187.83	253.65	310.47	337.43	341.49	349.12
Iraq	85.98	102.87	135.50	110.34	134.91	97.83	119.50	123.93	126.05
Jordan	0.00	0.00	0.00	0.16	0.29	0.26	0.28	0.29	0.27
Kuwait	161.27	160.23	93.60	50.37	114.32	146.87	153.29	130.24	133.93
Lebanon	0.17	0.14	0.18	0.14	0.17	0.24	0.18	0.19	0.21
Oman	15.20	15.20	15.09	38.31	61.01	60.26	63.44	67.20	72.14
Qatar	22.03	29.53	26.47	26.57	59.24	95.50	135.56	143.11	174.10
Saudi Arabia	244.14	388.54	533.64	370.19	479.29	580.56	579.32	528.38	538.05
Syrian Arab Republic	5.32	5.57	9.50	22.32	33.02	26.41	24.09	23.91	27.67
United Arab Emirates	52.79	76.14	90.21	110.20	156.40	174.35	187.01	168.80	176.29
Yemen	0.05	0.05	0.06	9.38	22.03	20.45	15.27	15.22	19.77
<b>Middle East</b>	<b>836.26</b>	<b>1 098.84</b>	<b>997.00</b>	<b>939.26</b>	<b>1 329.18</b>	<b>1 529.31</b>	<b>1 632.86</b>	<b>1 560.31</b>	<b>1 635.32</b>
<b>Non-OECD Total*</b>	<b>3 295.14</b>	<b>3 764.14</b>	<b>4 401.06</b>	<b>5 379.43</b>	<b>6 236.90</b>	<b>7 735.22</b>	<b>8 470.93</b>	<b>8 438.19</b>	<b>8 910.04</b>
<i>European Union - 27*</i>	..	..	..	945.39	946.32	901.35	854.30	817.50	835.19
OECD Americas	1 640.96	1 706.82	1 913.51	2 128.80	2 270.88	2 295.43	2 350.22	2 306.23	2 357.91
OECD Asia Oceania	105.37	114.45	143.60	267.30	388.77	424.51	438.68	453.92	473.04
OECD Europe*	608.65	636.28	856.23	1 045.42	1 170.63	1 118.16	1 074.31	1 033.78	1 048.26
<b>OECD Total*</b>	<b>2 354.99</b>	<b>2 457.55</b>	<b>2 913.34</b>	<b>3 441.53</b>	<b>3 830.27</b>	<b>3 838.09</b>	<b>3 863.22</b>	<b>3 793.93</b>	<b>3 879.21</b>
<b>World</b>	<b>5 650.12</b>	<b>6 221.69</b>	<b>7 314.40</b>	<b>8 820.96</b>	<b>10 067.17</b>	<b>11 573.31</b>	<b>12 334.15</b>	<b>12 232.12</b>	<b>12 789.25</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net imports of coal and peat (Mtoe)***Importations nettes de charbon et de tourbe (Mtep)**Nettoimport von Kohle und Torf (Mtoe)**Importazioni nette di carbone e torba (Mtep)*

石炭及び泥炭の純輸入量（石油換算百万トン）

*Importaciones netas de carbón y turba (Mtep)**Чистый импорт угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	0.23	0.28	0.12	0.70	0.44	0.63	0.27	0.34	0.00
Botswana*	..	..	..	0.01	0.06	0.01	0.00	0.00	..
Dem. Rep. of Congo	0.14	0.13	0.13	0.15	0.15	0.18	0.21	0.23	0.04
Egypt	0.25	0.24	0.53	0.84	0.89	0.88	0.82	0.80	1.09
Kenya	0.05	0.04	0.01	0.09	0.04	0.05	0.06	0.10	0.02
Libya	-	-	-	-	-	-	-	-	0.01
Morocco	0.01	0.00	-0.04	0.81	2.61	3.25	2.71	2.79	3.21
Mozambique	0.18	0.12	0.05	0.01	-0.01	-0.00	-0.02	-0.02	-0.00
Namibia*	..	..	..	..	0.00	0.01	0.10	0.07	0.07
Nigeria	0.01	-0.02	0.00	-0.02	-	-	-	-	..
Senegal	-0.97	-	-	-	-	0.09	0.16	0.16	0.22
South Africa	-0.97	-1.30	-19.07	-33.62	-46.05	-46.43	-33.33	-43.09	-46.98
Sudan	-	-	0.00	-	-	-	-	-	..
United Rep. of Tanzania	-	-	0.00	0.00	-	-	-	-	0.00
Tunisia	0.07	0.07	0.06	0.08	0.08	-	-	-	..
Zambia	0.03	0.00	-	-0.04	-0.00	-0.01	-	-	..
Zimbabwe	-0.21	-0.09	-0.16	-0.01	-0.13	-0.10	-0.11	-0.11	0.03
Other Africa	0.03	0.04	0.06	0.07	0.07	0.05	0.14	0.14	0.14
<b>Africa</b>	<b>-0.17</b>	<b>-0.48</b>	<b>-18.30</b>	<b>-30.93</b>	<b>-41.85</b>	<b>-41.38</b>	<b>-28.99</b>	<b>-38.57</b>	<b>-42.15</b>
Argentina	0.50	0.56	0.67	0.83	0.36	0.89	1.09	0.90	1.91
Brazil	1.32	1.41	3.70	7.90	10.33	10.61	9.08	12.10	13.10
Colombia	-0.02	-0.05	-0.96	-8.84	-23.12	-34.85	-43.78	-45.11	-49.09
Costa Rica	0.00	0.00	0.00	-	0.00	0.04	0.07	0.06	..
Cuba	0.05	0.04	0.10	0.14	0.03	0.02	0.02	0.02	0.01
Dominican Republic	-	-	-	0.01	0.06	0.29	0.53	0.51	0.57
El Salvador	-	-	0.00	-	0.00	0.00	-	-	..
Guatemala	-	-	0.01	-	0.13	0.25	0.21	0.35	0.32
Haiti	-	-	-	0.01	-	-	-	-	..
Honduras	-	-	-	0.00	0.08	0.11	0.11	0.11	0.02
Jamaica	-	-	-	0.03	0.04	0.04	0.02	0.04	0.05
Panama	0.00	0.01	-	0.02	0.04	0.23	0.04	0.07	..
Peru	0.08	0.14	0.13	0.07	0.59	0.81	0.55	0.63	0.39
Uruguay	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Venezuela	0.11	0.24	0.13	-1.14	-5.79	-5.21	-2.16	-1.79	-1.66
Other Non-OECD Americas	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	..
<b>Non-OECD Americas</b>	<b>2.09</b>	<b>2.39</b>	<b>3.80</b>	<b>-0.95</b>	<b>-17.26</b>	<b>-26.78</b>	<b>-34.21</b>	<b>-32.10</b>	<b>-34.39</b>

A negative number shows net exports.

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net imports of coal and peat (Mtoe)***Importations nettes de charbon et de tourbe (Mtep)**Nettoimport von Kohle und Torf (Mtoe)**Importazioni nette di carbone e torba (Mtep)**石炭及び泥炭の純輸入量（石油換算百万トン）**Importaciones netas de carbón y turba (Mtep)**Чистый импорт угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Bangladesh	0.09	0.12	0.12	0.28	0.33	0.35	0.40	0.40	0.42
Cambodia*	..	..	..	..	-	-	0.01	0.02	0.02
Chinese Taipei	-0.00	0.10	3.12	12.23	28.99	38.60	37.27	41.35	42.58
India	-0.12	-0.31	0.32	4.12	14.13	25.07	46.22	47.30	59.02
Indonesia	0.02	0.00	-0.04	-2.30	-33.08	-75.05	-136.29	-155.85	-178.55
DPR of Korea	0.38	0.33	0.44	1.65	-0.09	-1.63	-1.76	-2.80	-2.12
Malaysia	0.01	0.01	0.05	1.40	1.92	6.57	9.01	13.01	13.35
Mongolia*	..	..	..	-0.14	0.01	-1.43	-4.74	-11.72	-14.91
Myanmar	0.13	0.04	0.14	0.03	-	-	-	-	0.00
Nepal	0.01	0.05	0.05	0.05	0.25	0.24	0.18	0.19	0.19
Pakistan	0.02	0.02	0.06	0.59	0.63	1.88	3.07	2.82	1.71
Philippines	0.01	0.01	0.35	0.78	4.33	4.22	3.46	4.31	3.45
Singapore	0.00	0.00	0.00	0.02	-	0.00	0.00	0.01	..
Sri Lanka	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.08	0.17
Thailand	0.01	0.01	0.06	0.21	2.57	5.40	10.61	10.71	10.35
Vietnam	-0.25	-0.12	-0.35	-0.43	-1.82	-9.72	-13.52	-10.53	-12.86
Other Asia	0.23	0.06	0.17	0.12	0.12	0.05	0.01	0.01	0.08
<b>Asia</b>	<b>0.56</b>	<b>0.32</b>	<b>4.50</b>	<b>18.61</b>	<b>18.28</b>	<b>-5.40</b>	<b>-45.98</b>	<b>-60.69</b>	<b>-77.09</b>
People's Rep. of China	-1.67	-1.69	-3.17	-11.04	-44.09	-28.95	60.80	74.83	94.31
Hong Kong, China	0.02	0.01	0.01	5.50	3.73	6.67	7.60	6.36	7.98
<b>China</b>	<b>-1.65</b>	<b>-1.68</b>	<b>-3.16</b>	<b>-5.54</b>	<b>-40.36</b>	<b>-22.28</b>	<b>68.40</b>	<b>81.19</b>	<b>102.29</b>
Albania	0.06	0.07	0.11	0.14	0.01	0.00	0.05	0.06	0.01
Armenia*	..	..	..	0.25	-	-	-	-	..
Azerbaijan*	..	..	..	0.09	-	-	-	-	..
Belarus*	..	..	..	1.43	0.39	0.05	-0.09	-0.06	0.03
Bosnia and Herzegovina*	..	..	..	-	-0.02	0.07	0.28	0.44	0.78
Bulgaria	3.79	3.71	4.27	3.81	2.31	2.55	1.74	1.71	1.90
Croatia*	..	..	..	0.61	0.48	0.62	0.45	0.70	0.94
Cyprus	-	-	-	0.06	0.03	0.04	0.02	0.01	0.01
Georgia*	..	..	..	0.25	0.01	0.01	0.05	0.00	0.01
Kazakhstan*	..	..	..	-18.06	-14.61	-9.96	-12.16	-13.18	-14.84
Kosovo*	..	..	..	..	0.01	0.02	0.01	0.02	0.03
Kyrgyzstan*	..	..	..	1.12	0.33	0.43	0.22	0.24	0.24
Latvia*	..	..	..	0.63	0.06	0.08	0.08	0.11	0.17
Lithuania*	..	..	..	0.76	0.09	0.19	0.12	0.18	0.24
FYR of Macedonia*	..	..	..	0.10	0.09	0.12	0.04	0.12	0.06
Malta	-	-	-	0.18	-	-	-	-	..
Republic of Moldova*	..	..	..	2.01	0.06	0.07	0.06	0.08	0.07
Montenegro*	..	..	..	..	..	-0.01	-0.00	-0.02	-0.02
Romania	1.94	2.64	4.45	4.51	1.88	2.90	1.00	1.18	0.95
Russian Federation*	..	..	..	-5.33	-10.10	-42.12	-54.14	-70.64	-63.56
Serbia*	..	..	..	-	0.32	0.66	0.58	0.73	0.20
Tajikistan*	..	..	..	0.26	0.00	0.00	0.01	0.01	0.00
Turkmenistan*	..	..	..	0.30	-	-	-	-	..
Ukraine*	..	..	..	-4.56	2.20	2.63	1.29	3.18	4.39
Uzbekistan*	..	..	..	1.13	0.34	0.04	0.06	0.03	0.04
Former Soviet Union*	-10.25	-9.46	-11.05	x	x	x	x	x	x
Former Yugoslavia*	1.66	1.66	2.33	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>-2.80</b>	<b>-1.38</b>	<b>0.12</b>	<b>-10.32</b>	<b>-16.11</b>	<b>-41.61</b>	<b>-60.33</b>	<b>-75.09</b>	<b>-68.35</b>

A negative number shows net exports.

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net imports of coal and peat (Mtoe)***Importations nettes de charbon et de tourbe (Mtep)**Nettoimport von Kohle und Torf (Mtoe)**Importazioni nette di carbone e torba (Mtep)**石炭及び泥炭の純輸入量（石油換算百万トン）**Importaciones netas de carbón y turba (Mtep)**Чистый импорт угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Islamic Republic of Iran	-	0.03	0.58	0.15	0.66	0.64	0.41	0.76	- 0.02
Lebanon	0.00	0.01	0.00	-	0.13	0.13	0.07	0.22	0.19
Syrian Arab Republic	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	..
United Arab Emirates	-	-	-	-	-	0.15	0.55	0.72	1.28
<b>Middle East</b>	<b>0.01</b>	<b>0.04</b>	<b>0.58</b>	<b>0.15</b>	<b>0.80</b>	<b>0.92</b>	<b>1.04</b>	<b>1.70</b>	<b>1.45</b>
<b>Non-OECD Total*</b>	<b>- 1.95</b>	<b>- 0.79</b>	<b>- 12.47</b>	<b>- 28.97</b>	<b>- 96.50</b>	<b>- 136.54</b>	<b>- 100.08</b>	<b>- 123.56</b>	<b>- 118.22</b>
<i>European Union - 27*</i>	..	..	..	80.94	97.87	124.67	110.09	110.23	118.76
OECD Americas	- 26.60	- 27.01	- 55.44	- 76.41	- 27.91	- 8.42	- 25.44	- 41.12	- 60.51
OECD Asia Oceania	18.99	23.55	23.16	22.74	18.08	12.87	0.74	3.47	9.69
OECD Europe*	20.97	14.28	47.63	76.27	103.69	130.41	119.58	120.75	130.98
<b>OECD Total*</b>	<b>13.36</b>	<b>10.82</b>	<b>15.36</b>	<b>22.60</b>	<b>93.86</b>	<b>134.86</b>	<b>94.88</b>	<b>83.10</b>	<b>80.16</b>
<b>World**</b>	<b>11.40</b>	<b>10.04</b>	<b>2.89</b>	<b>- 6.38</b>	<b>- 2.64</b>	<b>- 1.68</b>	<b>- 5.20</b>	<b>- 40.46</b>	<b>- 38.06</b>

A negative number shows net exports.

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World shows the discrepancy between total exports and total imports.

## Net imports of oil (Mtoe)

*Importations nettes de pétrole (Mtep)**Netto-Ölimport (Mtoe)**Importazioni nette di petrolio (Mtep)*

石油の純輸入量 (石油換算百万トン)

*Importaciones netas de petróleo (Mtep)**Чистый импорт нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	- 35.37	- 49.08	- 45.75	- 51.35	- 62.39	- 79.28	- 73.01	- 64.99	- 60.69
Angola	- 4.66	- 7.27	- 6.40	- 22.46	- 37.91	- 61.28	- 93.20	- 88.46	- 82.90
Benin	0.11	0.14	0.14	- 0.11	0.53	0.85	1.33	1.46	1.68
Botswana*	..	..	..	0.34	0.59	0.69	0.91	0.86	0.92
Cameroon	0.30	0.33	- 2.96	- 6.08	- 4.78	- 3.55	- 3.10	- 2.19	- 1.48
Congo	0.17	- 1.28	- 3.16	- 7.90	- 13.76	- 12.55	- 11.85	- 14.23	- 15.69
Dem. Rep. of Congo	0.83	0.90	- 0.08	- 0.24	- 0.81	- 0.66	- 0.55	- 0.56	- 0.33
Côte d'Ivoire	0.82	1.08	1.51	1.04	1.04	- 0.57	- 1.28	- 1.37	- 0.86
Egypt	- 8.86	- 1.87	- 17.65	- 21.54	- 10.51	- 1.34	- 2.32	- 1.18	- 2.61
Eritrea*	..	..	..	..	0.21	0.23	0.13	0.16	0.16
Ethiopia	0.59	0.57	0.61	1.00	1.10	1.56	2.12	2.16	2.12
Gabon	- 5.47	- 7.13	- 8.20	- 12.16	- 13.61	- 13.02	- 11.07	- 10.94	- 12.55
Ghana	0.77	0.92	0.85	1.03	1.97	2.25	2.81	2.57	2.90
Kenya	1.67	1.75	2.19	2.14	3.15	3.05	3.61	4.12	4.18
Libya	- 135.74	- 109.39	- 87.36	- 63.56	- 55.62	- 69.16	- 73.45	- 62.12	- 61.04
Morocco	2.16	2.40	4.00	5.68	7.12	9.12	10.51	11.25	12.78
Mozambique	0.84	0.78	0.68	0.34	0.57	0.51	0.63	0.71	0.76
Namibia*	..	..	..	..	0.63	0.83	0.94	1.00	1.06
Nigeria	- 75.23	- 101.01	- 95.52	- 79.40	- 104.94	- 116.41	- 100.98	- 108.95	- 125.54
Senegal	1.44	1.55	1.24	0.85	1.53	1.87	2.02	1.73	1.90
South Africa	12.18	13.01	15.13	11.31	13.41	15.70	24.15	29.44	23.38
Sudan	1.47	1.60	1.32	1.92	- 6.66	- 11.26	- 18.20	- 18.83	- 17.19
United Rep. of Tanzania	0.87	1.00	0.87	0.77	0.78	1.48	1.62	1.48	1.52
Togo	0.11	0.10	0.13	0.22	0.33	0.36	0.33	0.45	0.47
Tunisia	- 2.63	- 2.32	- 2.56	- 1.85	- 0.11	0.67	0.07	0.02	0.05
Zambia	0.50	0.95	0.74	0.77	0.52	0.66	0.60	0.64	0.68
Zimbabwe	0.56	0.70	0.67	0.80	1.07	0.70	0.58	0.61	0.65
Other Africa	3.26	3.27	4.78	5.54	1.37	- 19.21	- 15.76	- 13.13	- 13.61
<b>Africa</b>	<b>- 239.32</b>	<b>- 248.31</b>	<b>- 234.79</b>	<b>- 232.89</b>	<b>- 275.17</b>	<b>- 347.74</b>	<b>- 352.39</b>	<b>- 328.30</b>	<b>- 339.29</b>
Argentina	3.27	3.84	1.32	- 4.12	- 16.89	- 13.26	- 5.97	- 7.20	- 5.01
Bolivia	- 1.24	- 1.74	- 0.05	- 0.19	- 0.13	- 0.41	- 0.12	0.21	0.36
Brazil	21.06	33.41	45.31	28.46	28.48	4.74	4.78	- 2.27	0.17
Colombia	- 4.98	- 2.88	1.32	- 12.42	- 23.31	- 15.15	- 15.92	- 20.64	- 25.38
Costa Rica	0.46	0.59	0.77	0.95	1.78	1.98	2.41	2.23	2.33
Cuba	6.59	7.09	9.67	9.99	5.86	5.13	5.17	6.50	5.86
Dominican Republic	1.16	1.68	2.12	3.09	6.40	5.64	5.46	5.24	5.28
Ecuador	1.15	- 9.15	- 6.31	- 10.23	- 13.64	- 17.96	- 17.01	- 14.91	- 14.25
El Salvador	0.50	0.69	0.62	0.79	1.84	2.08	2.04	2.10	2.01
Guatemala	0.91	1.04	1.35	1.16	1.86	2.66	2.51	3.14	2.68
Haiti	0.13	0.13	0.22	0.32	0.50	0.69	0.81	0.75	0.70
Honduras	0.37	0.40	0.56	0.73	1.40	2.04	2.34	2.17	2.28
Jamaica	1.92	2.93	2.18	2.48	3.59	3.54	4.09	2.70	2.77
Netherlands Antilles*	6.82	8.02	8.27	3.14	3.67	3.73	3.99	3.98	3.56
Nicaragua	0.52	0.63	0.64	0.63	1.15	1.35	1.34	1.41	1.33
Panama	2.03	2.41	2.14	2.50	4.45	4.36	4.45	5.17	5.52
Paraguay	0.22	0.28	0.50	0.67	1.14	1.14	1.34	1.41	1.50
Peru	2.02	2.03	- 2.96	- 0.62	2.81	2.50	2.99	2.05	- 0.95
Trinidad and Tobago	- 3.62	- 5.06	- 9.03	- 6.39	- 5.27	- 7.08	- 5.96	- 6.02	- 5.81
Uruguay	1.89	1.87	2.13	1.39	2.24	2.05	2.88	3.06	2.52
Venezuela	- 185.56	- 181.43	- 103.51	- 100.78	- 157.47	- 169.27	- 129.07	- 123.44	- 116.53
Other Non-OECD Americas	7.34	8.21	6.53	4.49	4.82	5.02	5.35	5.53	5.55
<b>Non-OECD Americas</b>	<b>- 137.03</b>	<b>- 125.01</b>	<b>- 36.19</b>	<b>- 73.96</b>	<b>- 144.69</b>	<b>- 174.50</b>	<b>- 122.11</b>	<b>- 126.82</b>	<b>- 123.51</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Net imports of oil (Mtoe)

Importations nettes de pétrole (Mtep)

Netto-Ölimport (Mtoe)

Importazioni nette di petrolio (Mtep)

石油の純輸入量 (石油換算百万トン)

Importaciones netas de petróleo (Mtep)

Чистый импорт нефти и нефтепродуктов (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.96	0.90	1.66	1.88	3.14	4.20	4.63	4.58	5.29
Brunei Darussalam	- 5.95	- 11.77	- 11.79	- 7.56	- 9.68	- 10.46	- 8.87	- 7.57	- 7.71
Cambodia*	..	..	..	..	0.71	0.96	1.23	1.26	1.30
Chinese Taipei	7.26	10.35	21.41	28.76	45.15	48.20	46.07	43.28	46.14
India	15.01	17.54	23.27	27.42	77.24	91.79	115.92	124.63	123.37
Indonesia	- 33.88	- 50.82	- 58.05	- 40.38	- 13.21	12.66	14.82	16.26	19.48
DPR of Korea	0.86	1.21	2.71	2.66	1.06	0.93	0.87	0.66	0.63
Malaysia	1.31	0.18	- 5.05	- 18.58	- 11.46	- 11.29	- 8.00	- 6.52	- 6.19
Mongolia*	..	..	..	0.83	0.44	0.55	0.73	0.53	0.56
Myanmar	0.28	0.05	- 0.07	- 0.02	1.35	0.67	0.56	0.40	0.24
Nepal	0.06	0.07	0.12	0.26	0.77	0.79	0.81	0.98	1.07
Pakistan	2.90	3.18	4.68	8.65	16.63	13.79	17.14	16.77	17.48
Philippines	8.49	9.02	11.03	11.45	16.58	13.69	13.07	12.03	14.13
Singapore	6.62	12.24	8.00	24.50	39.71	44.63	56.21	61.84	70.56
Sri Lanka	1.36	1.68	1.65	1.70	3.83	4.18	4.19	3.84	4.03
Thailand	6.35	8.28	12.16	17.59	27.51	34.70	29.51	29.86	31.99
Vietnam	5.83	5.80	1.85	0.26	- 7.95	- 6.18	- 0.31	- 0.66	2.85
Other Asia	1.64	2.07	3.15	- 1.34	0.19	- 1.14	- 0.79	0.38	1.44
<b>Asia</b>	<b>19.08</b>	<b>9.97</b>	<b>16.74</b>	<b>58.09</b>	<b>192.03</b>	<b>242.66</b>	<b>287.81</b>	<b>302.56</b>	<b>326.67</b>
People's Rep. of China	- 0.25	- 1.84	- 17.44	- 24.17	74.67	143.43	200.54	218.06	252.86
Hong Kong, China	4.02	4.83	6.39	6.46	12.70	13.67	15.47	19.08	21.46
<b>China</b>	<b>3.77</b>	<b>2.99</b>	<b>- 11.06</b>	<b>- 17.71</b>	<b>87.36</b>	<b>157.10</b>	<b>216.01</b>	<b>237.14</b>	<b>274.32</b>
Albania	- 0.78	- 1.32	- 0.44	0.01	0.74	1.10	0.82	0.74	0.59
Armenia*	..	..	..	3.84	0.35	0.42	0.46	0.40	0.40
Azerbaijan*	..	..	..	0.09	- 7.72	- 15.95	- 40.11	- 46.93	- 47.44
Belarus*	..	..	..	27.37	5.90	5.88	7.05	7.30	5.31
Bosnia and Herzegovina*	..	..	..	2.04	1.17	1.13	1.49	1.51	1.64
Bulgaria	9.77	11.27	13.40	8.65	4.13	5.27	4.99	4.67	4.21
Croatia*	..	..	..	2.09	2.41	3.61	3.78	3.41	3.01
Cyprus	0.63	0.85	0.97	1.57	2.53	2.77	3.00	2.87	2.89
Georgia*	..	..	..	5.52	0.63	0.73	0.85	0.87	0.94
Gibraltar	0.21	0.23	0.17	0.50	1.14	1.67	2.07	2.55	2.61
Kazakhstan*	..	..	..	- 4.97	- 27.67	- 54.69	- 60.52	- 68.64	- 64.44
Kosovo*	..	..	..	..	0.26	0.37	0.44	0.49	0.47
Kyrgyzstan*	..	..	..	2.88	0.32	0.54	1.15	1.54	1.59
Latvia*	..	..	..	4.00	1.11	1.68	1.74	1.57	1.44
Lithuania*	..	..	..	7.23	2.19	2.64	2.80	2.30	2.60
FYR of Macedonia*	..	..	..	1.11	0.94	0.94	0.92	1.03	0.92
Malta	0.33	0.34	0.42	0.61	1.45	1.63	1.87	2.00	2.39
Republic of Moldova*	..	..	..	4.87	0.47	0.67	0.75	0.71	0.74
Montenegro*	..	..	..	..	..	0.10	0.14	0.14	0.14
Romania	- 2.16	- 0.55	7.05	10.67	3.30	3.78	5.23	4.49	4.56
Russian Federation*	..	..	..	- 261.26	- 192.21	- 334.92	- 338.15	- 348.68	- 356.33
Serbia*	..	..	..	4.20	0.49	3.77	3.73	3.20	2.97
Tajikistan*	..	..	..	1.64	0.17	0.27	0.51	0.51	0.54
Turkmenistan*	..	..	..	1.41	- 4.09	- 5.47	- 5.91	- 5.26	- 4.90
Ukraine*	..	..	..	52.38	6.44	9.84	10.37	9.81	9.79
Uzbekistan*	..	..	..	7.30	- 0.40	- 0.27	- 0.27	- 0.27	- 0.24
Former Soviet Union*	- 98.79	- 104.22	- 156.33	x	x	x	x	x	x
Former Yugoslavia*	5.34	9.26	11.77	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>- 85.45</b>	<b>- 84.14</b>	<b>- 123.00</b>	<b>- 116.24</b>	<b>- 195.92</b>	<b>- 362.51</b>	<b>- 390.80</b>	<b>- 417.67</b>	<b>- 423.60</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net imports of oil (Mtoe)***Importations nettes de pétrole (Mtep)**Netto-Ölimport (Mtoe)**Importazioni nette di petrolio (Mtep)**石油の純輸入量 (石油換算百万トン)**Importaciones netas de petróleo (Mtep)**Чистый импорт нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	- 8.07	- 7.59	- 8.38	- 8.55	- 8.38	- 7.54	- 6.65	- 6.67	- 6.82
Islamic Republic of Iran	- 214.91	- 279.48	- 42.16	- 116.13	- 133.63	- 139.82	- 134.00	- 127.42	- 136.25
Iraq	- 81.77	- 97.64	- 125.53	- 88.54	- 108.27	- 70.30	- 90.40	- 91.16	- 88.01
Jordan	0.62	0.68	1.78	3.51	4.76	5.72	4.58	4.56	5.12
Kuwait	- 156.34	- 151.56	- 79.06	- 42.90	- 95.07	- 118.43	- 123.41	- 99.31	- 101.93
Lebanon	2.01	2.38	2.48	1.86	4.63	4.78	5.26	6.39	5.96
Oman	- 13.77	- 13.92	- 13.58	- 33.67	- 48.99	- 38.56	- 35.33	- 39.26	- 41.02
Qatar	- 21.04	- 28.11	- 23.18	- 19.77	- 38.29	- 52.14	- 61.76	- 58.83	- 63.15
Saudi Arabia	- 224.13	- 367.79	- 497.39	- 307.04	- 373.94	- 430.98	- 422.36	- 371.80	- 391.35
Syrian Arab Republic	- 2.54	- 3.11	- 4.05	- 11.14	- 17.81	- 6.98	- 1.38	- 3.29	- 4.91
United Arab Emirates	- 51.77	- 74.79	- 78.80	- 77.86	- 104.08	- 112.18	- 116.58	- 100.65	- 104.73
Yemen	1.07	1.27	1.94	- 6.42	- 17.07	- 12.64	- 7.78	- 7.65	- 7.13
<b>Middle East</b>	<b>- 770.64</b>	<b>- 1 019.68</b>	<b>- 865.94</b>	<b>- 706.65</b>	<b>- 936.15</b>	<b>- 979.07</b>	<b>- 989.82</b>	<b>- 895.09</b>	<b>- 934.21</b>
<b>Non-OECD Total*</b>	<b>- 1 209.57</b>	<b>- 1 464.17</b>	<b>- 1 254.24</b>	<b>- 1 089.36</b>	<b>- 1 272.54</b>	<b>- 1 464.06</b>	<b>- 1 351.29</b>	<b>- 1 228.19</b>	<b>- 1 219.62</b>
<i>European Union - 27*</i>	..	..	..	528.23	529.33	598.44	596.94	556.21	560.23
OECD Americas	195.75	298.09	304.33	295.08	445.98	533.56	483.68	408.13	389.49
OECD Asia Oceania	246.28	302.52	302.97	331.48	399.81	391.20	360.05	345.57	356.76
OECD Europe*	682.80	776.76	621.29	458.17	400.51	499.33	517.35	481.84	498.79
<b>OECD Total*</b>	<b>1 124.84</b>	<b>1 377.38</b>	<b>1 228.59</b>	<b>1 084.73</b>	<b>1 246.30</b>	<b>1 424.08</b>	<b>1 361.09</b>	<b>1 235.53</b>	<b>1 245.04</b>
<b>World**</b>	<b>- 84.74</b>	<b>- 86.79</b>	<b>- 25.65</b>	<b>- 4.62</b>	<b>- 26.24</b>	<b>- 39.98</b>	<b>9.79</b>	<b>7.34</b>	<b>25.42</b>
<i>Memo: OPEC</i>	<i>- 1 185.35</i>	<i>- 1 456.71</i>	<i>- 1 190.98</i>	<i>- 980.02</i>	<i>- 1 285.26</i>	<i>- 1 437.20</i>	<i>- 1 435.23</i>	<i>- 1 312.04</i>	<i>- 1 346.37</i>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World shows the discrepancy between total exports and total imports.

**Net imports of natural gas (Mtoe)***Importations nettes de gaz naturel (Mtep)**Nettoimport von Erdgas (Mtoe)**Importazioni nette di gas naturale (Mtep)**天然ガスの純輸入量 (石油換算百万トン)**Importaciones netas de gas natural (Mtep)**Чистый импорт природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	- 1.13	- 2.09	- 5.65	- 26.68	- 53.01	- 55.08	- 46.92	- 48.64	- 44.66
Egypt	-	-	-	-	-	- 12.64	- 14.96	- 12.11	- 8.36
Libya	- 0.40	- 2.57	- 1.74	- 1.01	- 0.65	- 4.41	- 7.49	- 8.00	- 1.98
Morocco	-	-	-	-	-	0.34	0.49	0.52	0.53
Mozambique	-	-	-	-	-	- 1.85	- 2.37	- 2.55	- 2.77
Nigeria	-	-	-	-	- 4.42	- 10.29	- 13.06	- 19.84	- 20.84
South Africa	-	-	-	-	-	0.98	2.07	2.48	2.77
Tunisia	-	-	-	0.90	0.85	1.10	1.72	1.65	1.81
Other Africa	-	-	-	-	-	0.00	- 3.86	- 4.21	- 4.24
<b>Africa</b>	<b>- 1.54</b>	<b>- 4.66</b>	<b>- 7.39</b>	<b>- 26.79</b>	<b>- 57.23</b>	<b>- 81.85</b>	<b>- 84.37</b>	<b>- 90.71</b>	<b>- 77.74</b>
Argentina	-	1.45	1.88	1.82	- 3.88	- 4.11	1.56	2.61	6.03
Bolivia	-	- 1.60	- 1.90	- 2.13	- 1.68	- 8.29	- 8.21	- 9.73	- 10.68
Brazil	-	-	-	-	1.84	7.49	7.11	10.53	8.66
Colombia	-	-	-	-	-	-	- 1.38	- 1.20	- 1.49
Dominican Republic	-	-	-	-	-	0.21	0.44	0.69	0.77
Peru	-	-	-	-	-	-	-	- 2.13	- 4.37
Trinidad and Tobago	-	-	-	-	- 3.36	- 12.04	- 17.55	- 17.77	- 15.82
Uruguay	-	-	-	-	0.03	0.09	0.06	0.06	0.07
Venezuela	-	-	-	-	-	-	1.72	2.08	1.91
Other Non-OECD Americas	-	-	-	-	0.28	0.57	0.63	0.65	0.65
<b>Non-OECD Americas</b>	<b>-</b>	<b>- 0.15</b>	<b>- 0.01</b>	<b>- 0.31</b>	<b>- 6.76</b>	<b>- 16.08</b>	<b>- 15.62</b>	<b>- 14.20</b>	<b>- 14.27</b>
Brunei Darussalam	-	- 1.27	- 7.76	- 6.26	- 7.63	- 8.16	- 8.01	- 7.59	- 7.64
Chinese Taipei	-	-	-	0.76	5.17	8.35	10.32	12.94	14.72
India	-	-	-	-	-	5.82	10.43	10.30	12.71
Indonesia	-	-	- 10.01	- 26.29	- 34.57	- 36.27	- 32.68	- 35.95	- 40.34
Malaysia	-	-	- 0.01	- 7.82	- 16.04	- 21.14	- 17.74	- 17.83	- 18.42
Myanmar	-	-	-	-	- 3.98	- 8.01	- 8.06	- 8.88	- 8.64
Singapore	-	-	-	-	1.12	5.89	6.66	7.20	7.50
Thailand	-	-	-	-	1.73	7.42	7.47	8.23	8.79
Vietnam	-	-	-	-	-	- 1.30	-	-	-
Other Asia	- 1.88	- 2.05	- 2.12	-	-	-	- 5.48	- 4.77	- 5.25
<b>Asia</b>	<b>- 1.88</b>	<b>- 3.32</b>	<b>- 19.90</b>	<b>- 39.61</b>	<b>- 54.20</b>	<b>- 47.40</b>	<b>- 37.08</b>	<b>- 36.35</b>	<b>- 36.57</b>
People's Rep. of China	-	-	-	-	- 2.01	- 2.48	3.70	9.22	23.30
Hong Kong, China	-	-	-	-	2.45	2.19	2.52	3.13	2.49
<b>China</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.44</b>	<b>- 0.30</b>	<b>6.22</b>	<b>12.35</b>	<b>25.79</b>

A negative number shows net exports.



**Net imports of natural gas (Mtoe)***Importations nettes de gaz naturel (Mtep)**Nettoimport von Erdgas (Mtoe)**Importazioni nette di gas naturale (Mtep)*

天然ガスの純輸入量 (石油換算百万トン)

*Importaciones netas de gas natural (Mtep)**Чистый импорт природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Armenia*	..	..	..	3.59	1.12	1.34	1.41	1.37	1.38
Azerbaijan*	..	..	..	6.23	0.23	3.79	- 4.91	- 5.19	- 5.72
Belarus*	..	..	..	12.68	14.21	16.70	14.62	17.90	16.60
Bosnia and Herzegovina*	..	..	..	0.40	0.20	0.30	0.19	0.20	0.20
Bulgaria	-	-	3.03	5.43	2.74	2.46	2.13	2.13	2.31
Croatia*	..	..	..	0.58	0.90	0.56	0.19	0.48	0.54
Georgia*	..	..	..	4.50	0.90	1.04	1.08	1.01	1.26
Kazakhstan*	..	..	..	4.92	- 0.83	- 3.52	- 3.75	- 2.28	- 1.64
Kyrgyzstan*	..	..	..	1.45	0.55	0.60	0.54	0.38	0.38
Latvia*	..	..	..	2.56	1.11	1.43	1.40	0.90	1.39
Lithuania*	..	..	..	4.68	2.06	2.49	2.19	2.48	2.79
FYR of Macedonia*	..	..	..	-	0.05	0.06	0.06	0.10	0.10
Republic of Moldova*	..	..	..	3.27	1.77	1.99	1.48	1.53	1.53
Romania	- 0.16	- 0.16	1.10	5.93	2.71	4.19	1.60	1.82	2.51
Russian Federation*	..	..	..	- 145.24	- 146.02	- 161.18	- 129.32	- 150.63	- 160.78
Serbia*	..	..	..	2.06	0.91	1.72	1.26	1.57	1.59
Tajikistan*	..	..	..	1.30	0.60	0.51	0.33	0.26	0.26
Turkmenistan*	..	..	..	- 56.52	- 27.30	- 37.05	- 15.99	- 19.55	- 23.46
Ukraine*	..	..	..	73.46	47.25	48.25	30.65	29.55	36.18
Uzbekistan*	..	..	..	- 0.52	- 4.25	- 9.18	- 11.66	- 11.15	- 10.68
Former Soviet Union*	2.90	3.80	- 42.59	x	x	x	x	x	x
Former Yugoslavia*	-	-	1.22	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>2.74</b>	<b>3.64</b>	<b>- 37.23</b>	<b>- 69.24</b>	<b>- 101.09</b>	<b>- 123.47</b>	<b>- 106.50</b>	<b>- 127.13</b>	<b>- 133.27</b>
Islamic Republic of Iran	- 4.44	- 6.83	-	- 1.64	2.78	0.37	- 0.84	0.43	3.83
Iraq	-	-	-	- 1.63	-	-	-	-	-
Jordan	-	-	-	-	-	1.20	2.92	2.15	0.67
Kuwait	-	-	-	1.63	-	-	0.73	2.27	2.94
Lebanon	-	-	-	-	-	-	0.04	0.21	0.13
Oman	-	-	-	-	- 3.66	- 10.48	- 12.68	- 12.07	- 12.25
Qatar	-	-	-	-	- 12.31	- 26.08	- 59.99	- 87.14	- 105.90
Syrian Arab Republic	-	-	-	-	-	-	0.74	0.56	0.16
United Arab Emirates	-	-	- 2.18	- 2.68	- 5.93	- 4.84	8.21	7.60	7.67
Yemen	-	-	-	-	-	-	- 0.38	- 4.85	- 7.21
<b>Middle East</b>	<b>- 4.44</b>	<b>- 6.83</b>	<b>- 2.18</b>	<b>- 4.32</b>	<b>- 19.12</b>	<b>- 39.83</b>	<b>- 61.25</b>	<b>- 90.84</b>	<b>- 109.97</b>
<b>Non-OECD Total*</b>	<b>- 5.13</b>	<b>- 11.33</b>	<b>- 66.71</b>	<b>- 140.26</b>	<b>- 237.97</b>	<b>- 308.93</b>	<b>- 298.60</b>	<b>- 346.89</b>	<b>- 346.03</b>
<i>European Union - 27*</i>	..	..	..	135.01	192.48	257.22	267.82	275.60	263.44
OECD Americas	- 0.68	- 0.71	0.89	1.04	6.73	17.35	12.20	15.05	11.95
OECD Asia Oceania	1.17	2.78	19.53	42.67	71.29	81.50	96.76	107.77	122.44
OECD Europe*	5.33	10.10	39.01	98.56	156.20	200.61	206.96	214.74	208.29
<b>OECD Total*</b>	<b>5.83</b>	<b>12.17</b>	<b>59.43</b>	<b>142.27</b>	<b>234.22</b>	<b>299.47</b>	<b>315.92</b>	<b>337.56</b>	<b>342.68</b>
<b>World**</b>	<b>0.70</b>	<b>0.85</b>	<b>- 7.28</b>	<b>2.00</b>	<b>- 3.74</b>	<b>- 9.46</b>	<b>17.32</b>	<b>- 9.33</b>	<b>- 3.35</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World shows the discrepancy between total exports and total imports.

## Net imports of electricity (Mtoe)

*Importations nettes d'électricité (Mtep)**Nettoimport von Elektrizität (Mtoe)**Importazioni nette di energia elettrica (Mtep)*

電力の純輸入量 (石油換算百万トン)

*Importaciones netas de electricidad (Mtep)*

Чистый импорт электроэнергии (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.00	-0.00	0.00	-0.01	-0.01	0.01	-0.00	-0.00	-0.01
Benin	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08
Botswana*	..	..	..	0.01	0.07	0.17	0.22	0.24	0.26
Congo	-0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.04	0.04
Dem. Rep. of Congo	-0.00	-0.00	-0.01	-0.00	-0.11	-0.14	-0.05	-0.07	-0.06
Côte d'Ivoire	-	-	-	0.03	-0.11	-0.12	-0.05	-0.04	-0.04
Egypt	-	-	-	-	-0.01	-0.07	-0.08	-0.08	-0.12
Ghana	-	-0.01	-0.04	-0.07	0.04	0.02	-0.02	-0.05	-0.08
Kenya	0.03	0.03	0.03	0.02	0.02	-0.00	0.00	0.00	-
Libya	-	-	-	-	-	0.00	-0.00	-0.00	-0.00
Morocco	-	-	-	0.01	0.20	0.07	0.37	0.40	0.34
Mozambique	0.00	0.01	0.01	0.01	-0.56	-0.21	-0.30	-0.44	-0.41
Namibia*	..	..	..	..	0.10	0.14	0.18	0.18	0.19
Nigeria	-	-	-0.01	-	-	-	-	-	-
South Africa	-0.00	-0.02	0.78	-0.11	1.06	-0.20	0.42	0.42	0.43
United Rep. of Tanzania	-	-	-	-	0.00	0.01	-	-	-
Togo	-	0.00	0.01	0.02	0.03	0.04	0.06	0.06	0.06
Tunisia	-	-	-	-0.00	0.00	-0.00	-0.00	0.00	0.00
Zambia	0.30	0.17	-0.22	-0.14	-0.11	-0.02	0.01	-0.05	-0.05
Zimbabwe	0.02	0.01	0.25	0.03	0.44	0.26	0.54	0.51	0.45
Other Africa	0.00	0.00	-0.01	0.02	0.06	0.13	0.15	0.15	0.16
<b>Africa</b>	<b>0.34</b>	<b>0.21</b>	<b>0.81</b>	<b>-0.17</b>	<b>1.17</b>	<b>0.17</b>	<b>1.55</b>	<b>1.33</b>	<b>1.24</b>
Argentina	-0.00	0.00	0.00	0.07	0.11	0.33	0.47	0.53	0.74
Bolivia	-	-	-	0.00	0.00	-	-	-	-
Brazil	-0.00	-0.00	-0.02	2.28	3.81	3.36	3.63	3.44	2.98
Colombia	-	-	-	0.02	0.00	-0.15	-0.12	-0.09	-0.07
Costa Rica	-	-	-	0.01	-0.04	0.00	-0.01	0.00	0.00
Ecuador	-	-	-	-	-	0.15	0.04	0.09	0.07
El Salvador	-	-	-	0.00	0.06	0.02	-0.00	0.01	0.01
Guatemala	-	-	-	-0.00	-0.06	-0.03	-0.01	-0.00	0.02
Honduras	-	-	0.00	-0.03	0.02	0.00	-0.00	-0.00	-
Nicaragua	-	-	-0.00	0.01	0.01	0.00	0.00	-	-0.00
Panama	0.00	0.00	0.00	0.01	0.01	-0.00	0.01	-0.00	0.00
Paraguay	-	-0.01	0.00	-2.15	-4.07	-3.77	-3.98	-3.88	-3.73
Peru	-	-	-	-	-	-	-	-0.01	-0.01
Uruguay	0.00	0.00	-0.10	-0.22	0.05	0.07	0.08	0.10	-0.03
Venezuela	-	-	-	-	-0.00	-0.05	-0.04	-0.03	-0.05
Other Non-OECD Americas	-	-	-	0.00	0.01	0.02	0.02	0.02	0.02
<b>Non-OECD Americas</b>	<b>0.00</b>	<b>0.00</b>	<b>-0.11</b>	<b>0.00</b>	<b>-0.09</b>	<b>-0.04</b>	<b>0.10</b>	<b>0.18</b>	<b>-0.05</b>
Cambodia*	..	..	..	..	-	0.00	0.02	0.06	0.12
India	-	-0.00	-0.00	0.12	0.11	0.13	0.47	0.46	0.48
Malaysia	-	-	0.01	-0.01	0.00	-0.19	-0.04	-0.01	-0.01
Mongolia*	..	..	..	0.02	0.01	0.01	0.02	0.01	0.02
Nepal	0.00	-	0.00	-0.00	0.01	0.01	0.03	0.05	0.06
Singapore	-	-	-0.01	-	-	-	-	-	-
Thailand	-0.00	0.01	0.07	0.05	0.24	0.32	0.14	0.08	0.49
Vietnam	-	-	-	-	-	0.03	0.28	0.32	0.40
Other Asia	-	-	-0.04	-0.16	-0.33	-0.31	-0.36	-0.28	-0.30
<b>Asia</b>	<b>-0.00</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.04</b>	<b>0.02</b>	<b>0.55</b>	<b>0.69</b>	<b>1.24</b>
People's Rep. of China	-	-	-	0.16	-0.72	-0.53	-1.10	-0.98	-1.16
Hong Kong, China	-	-	-0.03	-0.15	0.78	0.56	0.67	0.68	0.73
<b>China</b>	<b>-</b>	<b>-</b>	<b>-0.03</b>	<b>0.00</b>	<b>0.06</b>	<b>0.03</b>	<b>-0.43</b>	<b>-0.30</b>	<b>-0.44</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net imports of electricity (Mtoe)***Importations nettes d'électricité (Mtep)**Nettoimport von Elektrizität (Mtoe)**Importazioni nette di energia elettrica (Mtep)**電力の純輸入量 (石油換算百万トン)**Importaciones netas de electricidad (Mtep)**Чистый импорт электроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	-	-0.02	-0.04	0.02	0.09	0.03	0.21	0.12	-0.08
Armenia*	..	..	..	0.08	-0.04	-0.07	-0.00	-0.00	-0.07
Azerbaijan*	..	..	..	-0.14	0.04	0.10	-0.05	-0.02	-0.03
Belarus*	..	..	..	0.81	0.62	0.35	0.16	0.38	0.23
Bosnia and Herzegovina*	..	..	..	-	-0.09	-0.12	-0.14	-0.26	-0.33
Bulgaria	0.02	0.28	0.33	0.33	-0.40	-0.65	-0.46	-0.44	-0.73
Croatia*	..	..	..	0.58	0.34	0.44	0.57	0.49	0.41
Georgia*	..	..	..	0.28	0.02	0.12	-0.01	-0.04	-0.11
Kazakhstan*	..	..	..	1.49	0.26	-0.01	0.02	-0.06	0.10
Kosovo*	..	..	..	..	0.03	0.02	0.04	0.04	0.04
Kyrgyzstan*	..	..	..	-0.38	-0.24	-0.23	-0.05	-0.03	-0.06
Latvia*	..	..	..	0.31	0.15	0.18	0.22	0.14	0.08
Lithuania*	..	..	..	-1.03	-0.11	-0.26	-0.08	-0.25	0.52
FYR of Macedonia*	..	..	..	0.01	0.01	0.14	0.24	0.12	0.12
Republic of Moldova*	..	..	..	-0.26	0.15	0.27	0.25	0.13	0.13
Montenegro*	..	..	..	..	..	0.13	0.13	0.08	0.00
Romania	-0.27	-0.31	0.04	0.81	-0.06	-0.25	-0.37	-0.20	-0.20
Russian Federation*	..	..	..	-0.71	-1.21	-1.06	-1.52	-1.28	-1.50
Serbia*	..	..	..	-0.17	0.26	-0.17	0.01	-0.12	-0.03
Tajikistan*	..	..	..	0.10	0.11	0.02	0.08	0.00	0.01
Turkmenistan*	..	..	..	-0.43	-0.07	-0.11	-0.13	-0.18	-0.21
Ukraine*	..	..	..	-2.45	-0.33	-0.72	-0.58	-0.37	-0.35
Uzbekistan*	..	..	..	-0.19	0.11	-0.01	-0.01	-0.01	-0.01
Former Soviet Union*	-0.58	-0.83	-1.64	x	x	x	x	x	x
Former Yugoslavia*	-0.01	-0.00	-0.04	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>-0.84</b>	<b>-0.89</b>	<b>-1.35</b>	<b>-0.95</b>	<b>-0.35</b>	<b>-1.85</b>	<b>-1.49</b>	<b>-1.74</b>	<b>-2.05</b>
Bahrain	-	-	-	-	-	-	-0.02	0.01	0.01
Islamic Republic of Iran	-	-	-	-	-0.06	-0.06	-0.19	-0.35	-0.32
Iraq	-	-	-	-	-	0.11	0.26	0.48	0.53
Jordan	0.00	0.00	-	-	0.00	0.06	0.02	0.02	0.15
Lebanon	-	-	0.01	-	0.12	0.04	0.05	0.10	0.11
Syrian Arab Republic	-0.01	-	-0.01	-	-	-0.06	-0.00	-0.01	-0.03
United Arab Emirates	-	-	-	-	-	-	-0.56	-0.58	-0.69
<b>Middle East</b>	<b>-0.00</b>	<b>0.00</b>	<b>-</b>	<b>-</b>	<b>0.07</b>	<b>0.09</b>	<b>-0.45</b>	<b>-0.33</b>	<b>-0.24</b>
<b>Non-OECD Total*</b>	<b>-0.51</b>	<b>-0.66</b>	<b>-0.66</b>	<b>-1.09</b>	<b>0.89</b>	<b>-1.57</b>	<b>-0.17</b>	<b>-0.17</b>	<b>-0.30</b>
<i>European Union - 27*</i>	..	..	..	3.34	1.69	0.97	1.47	1.30	0.30
OECD Americas	0.01	0.05	0.01	0.02	0.03	0.16	0.12	0.08	0.02
OECD Asia Oceania	-0.00	-0.00	-0.01	-0.04	-0.13	-0.14	-0.32	-0.33	-0.34
OECD Europe*	0.64	0.49	1.35	1.30	0.15	1.36	0.84	1.02	1.26
<b>OECD Total*</b>	<b>0.64</b>	<b>0.54</b>	<b>1.34</b>	<b>1.29</b>	<b>0.05</b>	<b>1.37</b>	<b>0.64</b>	<b>0.77</b>	<b>0.94</b>
<b>World**</b>	<b>0.13</b>	<b>-0.13</b>	<b>0.68</b>	<b>0.20</b>	<b>0.94</b>	<b>-0.20</b>	<b>0.47</b>	<b>0.61</b>	<b>0.64</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World shows the discrepancy between total exports and total imports.

**Total net imports of energy (Mtoe)***Importations nettes totales d'énergie (Mtep)**Gesamter Nettoimport von Energie (Mtoe)**Importazioni nette totali di energia (Mtep)**エネルギー純輸入量 (石油換算百万トン)**Importaciones netas totales de energía (Mtep)**Общий чистый импорт топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	- 36.27	- 50.89	- 51.27	- 77.34	- 114.97	- 133.73	- 123.54	- 111.65	- 109.00
Angola	- 4.66	- 7.27	- 6.40	- 22.46	- 37.91	- 61.28	- 93.20	- 88.46	- 82.90
Benin	0.11	0.14	0.15	- 0.09	0.56	0.90	1.39	1.54	1.76
Botswana*	..	..	..	0.36	0.72	0.88	1.13	1.10	1.18
Cameroon	0.30	0.33	- 2.96	- 6.08	- 4.78	- 3.55	- 3.10	- 2.19	- 1.48
Congo	0.17	- 1.28	- 3.16	- 7.90	- 13.74	- 12.51	- 11.81	- 14.19	- 15.64
Dem. Rep. of Congo	0.97	1.02	0.03	- 0.09	- 0.77	- 0.62	- 0.39	- 0.42	- 0.17
Côte d'Ivoire	0.82	1.08	1.51	1.07	0.94	- 0.69	- 1.33	- 1.41	- 0.90
Egypt	- 8.60	- 1.63	- 17.12	- 20.71	- 9.65	- 13.18	- 16.03	- 15.43	- 14.06
Eritrea*	..	..	..	..	0.21	0.23	0.13	0.16	0.16
Ethiopia	0.59	0.57	0.61	1.00	1.10	1.56	2.12	2.16	2.12
Gabon	- 5.47	- 7.13	- 8.20	- 12.16	- 13.61	- 13.02	- 11.07	- 10.94	- 12.55
Ghana	0.77	0.91	0.81	0.97	2.01	2.26	2.79	2.53	2.82
Kenya	1.74	1.82	2.23	2.25	3.21	3.11	3.68	4.18	4.28
Libya	- 136.14	- 111.96	- 89.10	- 64.57	- 56.27	- 73.56	- 81.95	- 69.62	- 69.05
Morocco	2.17	2.40	3.96	6.50	9.93	12.78	14.25	14.84	16.43
Mozambique	1.01	0.91	0.75	0.37	- 0.00	- 1.55	- 2.11	- 2.11	- 2.22
Namibia*	..	..	..	..	0.73	0.98	1.34	1.29	1.33
Nigeria	- 75.22	- 101.03	- 95.53	- 79.42	- 109.36	- 126.70	- 117.76	- 122.01	- 145.39
Senegal	1.44	1.55	1.24	0.85	1.53	1.97	2.15	1.88	2.06
South Africa	11.21	11.69	- 3.19	- 22.59	- 31.81	- 30.21	- 10.09	- 1.68	- 17.07
Sudan	1.47	1.60	1.32	1.92	- 6.66	- 11.26	- 18.20	- 18.83	- 17.19
United Rep. of Tanzania	0.87	1.00	0.87	0.77	0.78	1.49	1.62	1.48	1.52
Togo	0.11	0.10	0.14	0.24	0.36	0.41	0.38	0.51	0.53
Tunisia	- 2.56	- 2.24	- 2.49	- 0.87	0.81	1.77	2.22	1.75	1.70
Zambia	0.82	1.13	0.52	0.59	0.40	0.63	0.62	0.59	0.64
Zimbabwe	0.36	0.62	0.76	0.82	1.38	0.86	1.01	1.01	1.00
Other Africa	3.29	3.31	4.83	5.63	1.50	- 19.03	- 19.05	- 16.70	- 17.52
<b>Africa</b>	<b>- 240.69</b>	<b>- 253.25</b>	<b>- 259.70</b>	<b>- 290.94</b>	<b>- 373.34</b>	<b>- 471.07</b>	<b>- 474.77</b>	<b>- 440.62</b>	<b>- 467.63</b>
Argentina	3.77	5.85	3.88	- 1.39	- 20.31	- 16.15	- 4.84	- 5.04	- 2.01
Bolivia	- 1.24	- 3.35	- 1.95	- 2.32	- 1.81	- 8.70	- 10.26	- 8.00	- 9.37
Brazil	22.38	34.78	48.80	39.24	44.38	24.96	26.97	15.65	24.84
Colombia	- 5.00	- 2.93	0.36	- 21.24	- 46.43	- 50.16	- 60.66	- 65.90	- 71.75
Costa Rica	0.46	0.59	0.78	0.96	1.74	2.02	2.49	2.31	2.39
Cuba	6.64	7.13	9.76	10.13	5.89	5.15	5.19	6.52	5.87
Dominican Republic	1.16	1.68	2.12	3.10	6.46	6.14	6.39	6.22	6.48
Ecuador	1.15	- 9.15	- 6.31	- 10.23	- 13.64	- 17.81	- 16.97	- 14.81	- 14.18
El Salvador	0.50	0.69	0.62	0.79	1.91	2.11	2.04	2.11	2.02
Guatemala	0.91	1.04	1.37	1.16	1.94	2.88	2.80	3.35	3.05
Haiti	0.13	0.13	0.22	0.33	0.50	0.69	0.81	0.75	0.70
Honduras	0.37	0.40	0.57	0.71	1.51	2.16	2.47	2.27	2.40
Jamaica	1.92	2.93	2.18	2.51	3.63	3.58	4.15	2.72	2.81
Netherlands Antilles*	6.82	8.02	8.27	3.14	3.67	3.73	3.99	3.98	3.56
Nicaragua	0.52	0.63	0.64	0.64	1.16	1.35	1.34	1.41	1.33
Panama	2.03	2.42	2.14	2.53	4.50	4.58	4.47	5.21	5.60
Paraguay	0.22	0.27	0.50	- 1.48	- 2.93	- 2.63	- 2.93	- 2.63	- 2.38
Peru	2.10	2.16	- 2.84	- 0.55	3.40	3.31	3.64	2.65	- 2.39
Trinidad and Tobago	- 3.62	- 5.06	- 9.03	- 6.39	- 8.62	- 19.12	- 23.03	- 23.57	- 23.58
Uruguay	1.92	1.90	2.03	1.18	2.32	2.21	3.04	3.22	2.56
Venezuela	- 185.44	- 181.20	- 103.39	- 101.92	- 163.26	- 174.53	- 131.13	- 123.91	- 116.30
Other Non-OECD Americas	7.36	8.24	6.55	4.49	5.12	5.61	6.05	6.19	6.22
<b>Non-OECD Americas</b>	<b>- 134.93</b>	<b>- 122.81</b>	<b>- 32.71</b>	<b>- 74.61</b>	<b>- 168.88</b>	<b>- 218.63</b>	<b>- 173.99</b>	<b>- 179.31</b>	<b>- 172.14</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total net imports of energy (Mtoe)***Importations nettes totales d'énergie (Mtep)**Gesamter Nettoimport von Energie (Mtoe)**Importazioni nette totali di energia (Mtep)**エネルギー純輸入量 (石油換算百万トン)**Importaciones netas totales de energía (Mtep)**Общий чистый импорт топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	1.05	1.02	1.79	2.16	3.47	4.55	5.03	4.98	5.69
Brunei Darussalam	- 5.95	- 13.04	- 19.55	- 13.82	- 17.30	- 18.62	- 17.34	- 15.58	- 15.30
Cambodia*	..	..	..	..	0.71	0.96	1.26	1.34	1.44
Chinese Taipei	7.26	10.45	24.53	41.75	79.31	95.14	97.49	90.88	100.42
India	14.89	17.22	23.58	31.66	91.48	122.81	162.32	181.74	181.44
Indonesia	- 33.87	- 50.84	- 68.14	- 69.03	- 80.97	- 98.78	- 136.50	- 152.97	- 172.61
DPR of Korea	1.24	1.54	3.15	4.31	0.96	- 0.70	- 0.66	- 1.10	- 2.17
Malaysia	1.29	0.18	- 4.99	- 24.98	- 25.59	- 26.07	- 16.01	- 15.48	- 11.11
Mongolia*	..	..	..	0.70	0.47	- 0.87	- 1.96	- 4.20	- 11.14
Myanmar	0.41	0.09	0.07	0.01	- 2.63	- 7.33	- 7.47	- 7.66	- 8.64
Nepal	0.06	0.12	0.17	0.31	1.03	1.04	1.02	1.21	1.32
Pakistan	2.92	3.20	4.75	9.25	17.26	15.66	20.21	19.84	20.30
Philippines	8.42	9.02	11.38	12.24	20.91	17.90	18.01	15.53	18.52
Singapore	6.63	12.25	8.00	24.52	40.83	50.52	63.38	68.50	77.77
Sri Lanka	1.36	1.69	1.65	1.70	3.83	4.26	4.24	3.91	4.10
Thailand	6.36	8.30	12.29	17.85	32.06	47.86	47.63	48.05	51.45
Vietnam	5.58	5.67	1.50	- 0.17	- 9.77	- 17.16	- 10.62	- 13.85	- 7.28
Other Asia	0.00	0.09	1.16	- 1.38	- 0.00	- 1.39	- 5.70	- 5.35	- 3.59
<b>Asia</b>	<b>17.67</b>	<b>6.96</b>	<b>1.35</b>	<b>37.08</b>	<b>156.05</b>	<b>189.78</b>	<b>224.31</b>	<b>219.79</b>	<b>230.62</b>
People's Rep. of China	- 1.92	- 3.52	- 20.61	- 35.05	27.85	111.46	193.55	281.59	335.74
Hong Kong, China	4.06	4.85	6.38	11.82	19.66	23.09	25.72	29.87	31.68
<b>China</b>	<b>2.14</b>	<b>1.33</b>	<b>- 14.23</b>	<b>- 23.23</b>	<b>47.51</b>	<b>134.55</b>	<b>219.27</b>	<b>311.46</b>	<b>367.42</b>
Albania	- 0.72	- 1.27	- 0.38	0.17	0.84	1.13	1.03	0.91	0.56
Armenia*	..	..	..	7.76	1.43	1.69	2.26	1.81	1.70
Azerbaijan*	..	..	..	6.27	- 7.45	- 12.05	- 44.57	- 51.87	- 52.67
Belarus*	..	..	..	42.29	21.12	22.97	24.65	22.21	23.39
Bosnia and Herzegovina*	..	..	..	2.44	1.26	1.38	1.72	1.72	1.95
Bulgaria	13.58	15.26	21.03	18.21	8.78	9.60	10.52	8.07	7.27
Croatia*	..	..	..	3.86	4.14	5.24	5.49	4.47	4.49
Cyprus	0.63	0.85	0.97	1.63	2.56	2.82	3.05	2.91	2.93
Georgia*	..	..	..	10.57	1.56	1.90	1.96	1.95	1.85
Gibraltar	0.21	0.23	0.17	0.50	1.14	1.67	2.07	2.55	2.61
Kazakhstan*	..	..	..	- 16.62	- 42.85	- 68.18	- 74.61	- 84.60	- 79.79
Kosovo*	..	..	..	..	0.35	0.46	0.49	0.55	0.54
Kyrgyzstan*	..	..	..	5.07	0.96	1.34	1.94	2.27	2.15
Latvia*	..	..	..	7.49	2.24	2.99	2.78	2.71	1.99
Lithuania*	..	..	..	11.64	4.22	5.06	5.43	4.25	5.64
FYR of Macedonia*	..	..	..	1.21	1.10	1.25	1.41	1.27	1.27
Malta	0.33	0.34	0.42	0.80	1.45	1.63	1.87	2.00	2.39
Republic of Moldova*	..	..	..	9.89	2.46	3.01	2.78	2.37	2.48
Montenegro*	..	..	..	..	..	0.23	0.26	0.22	0.12
Romania	- 0.65	1.62	12.64	21.92	7.84	10.63	10.98	6.92	7.49
Russian Federation*	..	..	..	- 412.55	- 349.54	- 539.28	- 536.57	- 533.42	- 579.10
Serbia*	..	..	..	6.09	1.91	5.87	6.37	4.92	5.23
Tajikistan*	..	..	..	3.30	0.89	0.81	1.01	0.86	0.83
Turkmenistan*	..	..	..	- 55.23	- 31.46	- 42.63	- 45.94	- 21.44	- 24.66
Ukraine*	..	..	..	118.84	55.56	60.00	59.36	41.38	42.17
Uzbekistan*	..	..	..	7.72	- 4.20	- 9.42	- 11.52	- 11.88	- 11.36
Former Soviet Union*	- 106.72	- 110.71	- 211.61	x	x	x	x	x	x
Former Yugoslavia*	6.94	10.84	15.23	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>- 86.40</b>	<b>- 82.84</b>	<b>- 161.52</b>	<b>- 196.74</b>	<b>- 313.70</b>	<b>- 529.90</b>	<b>- 565.76</b>	<b>- 586.90</b>	<b>- 628.53</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total net imports of energy (Mtoe)***Importations nettes totales d'énergie (Mtep)**Gesamter Nettoimport von Energie (Mtoe)**Importazioni nette totali di energia (Mtep)**エネルギー純輸入量 (石油換算百万トン)**Importaciones netas totales de energía (Mtep)**Общий чистый импорт топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	- 8.07	- 7.59	- 8.38	- 8.55	- 8.38	- 7.54	- 6.68	- 6.66	- 6.80
Islamic Republic of Iran	- 219.35	- 286.28	- 41.58	- 117.61	- 130.25	- 138.87	- 131.63	- 128.19	- 135.38
Iraq	- 81.76	- 97.64	- 125.53	- 90.18	- 108.27	- 70.19	- 90.14	- 90.68	- 87.48
Jordan	0.62	0.69	1.78	3.51	4.77	6.99	7.17	7.50	7.43
Kuwait	- 156.33	- 151.54	- 79.06	- 41.26	- 95.07	- 118.43	- 123.41	- 98.58	- 99.66
Lebanon	2.01	2.39	2.49	1.86	4.88	4.96	5.45	6.61	6.51
Oman	- 13.77	- 13.92	- 13.58	- 33.67	- 52.65	- 49.03	- 46.65	- 51.94	- 53.08
Qatar	- 21.04	- 28.11	- 23.18	- 19.77	- 50.60	- 78.22	- 113.27	- 118.82	- 150.29
Saudi Arabia	- 224.13	- 367.79	- 497.39	- 307.03	- 373.94	- 430.97	- 422.36	- 371.80	- 391.35
Syrian Arab Republic	- 2.54	- 3.11	- 4.06	- 11.14	- 17.81	- 7.03	- 1.27	- 2.56	- 4.38
United Arab Emirates	- 51.77	- 74.79	- 80.98	- 80.54	- 109.99	- 116.86	- 110.75	- 92.45	- 97.09
Yemen	1.07	1.27	1.94	- 6.42	- 17.07	- 12.64	- 7.78	- 8.02	- 11.98
<b>Middle East</b>	<b>- 775.06</b>	<b>- 1 026.43</b>	<b>- 867.53</b>	<b>- 710.80</b>	<b>- 954.38</b>	<b>- 1 017.85</b>	<b>- 1 041.33</b>	<b>- 955.59</b>	<b>- 1 023.56</b>
<b>Non-OECD Total*</b>	<b>- 1 217.27</b>	<b>- 1 477.04</b>	<b>- 1 334.34</b>	<b>- 1 259.24</b>	<b>- 1 606.73</b>	<b>- 1 913.12</b>	<b>- 1 812.26</b>	<b>- 1 631.17</b>	<b>- 1 693.82</b>
<i>European Union - 27*</i>	..	..	..	747.67	821.70	981.52	1 011.50	939.43	951.56
OECD Americas	168.49	270.41	249.78	219.72	424.80	542.70	465.07	394.56	362.43
OECD Asia Oceania	266.44	328.86	345.65	396.87	489.08	485.46	479.84	442.77	467.68
OECD Europe*	709.76	801.66	709.33	634.47	661.10	832.35	878.12	814.13	841.47
<b>OECD Total*</b>	<b>1 144.68</b>	<b>1 400.93</b>	<b>1 304.76</b>	<b>1 251.06</b>	<b>1 574.99</b>	<b>1 860.51</b>	<b>1 823.03</b>	<b>1 651.46</b>	<b>1 671.58</b>
<b>World**</b>	<b>- 72.59</b>	<b>- 76.11</b>	<b>- 29.58</b>	<b>- 8.18</b>	<b>- 31.74</b>	<b>- 52.60</b>	<b>10.76</b>	<b>20.29</b>	<b>- 22.24</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World shows the discrepancy between total exports and total imports.

**Primary supply of coal and peat (Mtoe)***Approvisionnement primaire en charbon et en tourbe (Mtep)**Primärenergieaufkommen von Kohle und Torf (Mtoe)**Disponibilità primaria di carbone e torba (Mtep)**石炭及び泥炭の一次供給量（石油換算百万トン）**Suministro primario de carbón y turba (Mtep)**Первичная поставка угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Algeria	0.20	0.24	0.13	0.69	0.52	0.68	0.42	0.34	0.00
Botswana*	..	..	..	0.50	0.64	0.62	0.46	0.61	0.45
Dem. Rep. of Congo	0.21	0.21	0.21	0.22	0.21	0.25	0.30	0.31	0.12
Egypt	0.37	0.28	0.59	0.84	0.92	0.90	0.82	0.80	1.09
Kenya	0.05	0.04	0.01	0.09	0.04	0.05	0.06	0.10	0.02
Libya	-	-	-	-	-	-	-	-	0.01
Morocco	0.30	0.37	0.40	1.13	2.65	3.26	2.71	2.79	3.21
Mozambique	0.37	0.35	0.17	0.03	-	-	0.01	0.01	0.02
Namibia*	..	..	..	..	0.00	0.01	0.10	0.07	0.07
Nigeria	0.13	0.18	0.10	0.04	0.00	0.00	0.00	0.00	0.00
Senegal	-	-	-	-	-	0.09	0.16	0.16	0.22
South Africa	32.10	33.84	47.68	66.54	82.00	91.94	102.85	100.73	96.16
Sudan	-	-	0.00	-	-	-	-	-	..
United Rep. of Tanzania	-	-	0.00	0.00	0.05	0.05	0.06	0.06	0.06
Tunisia	0.07	0.07	0.06	0.08	0.08	-	-	-	..
Zambia	0.51	0.56	0.36	0.22	0.08	0.08	0.00	0.00	..
Zimbabwe	1.63	1.72	1.63	3.44	2.57	2.23	1.75	1.90	1.96
Other Africa	0.13	0.14	0.18	0.27	0.43	0.47	0.58	0.60	0.58
<b>Africa</b>	<b>36.07</b>	<b>38.01</b>	<b>51.54</b>	<b>74.10</b>	<b>90.19</b>	<b>100.64</b>	<b>110.27</b>	<b>108.50</b>	<b>103.98</b>
Argentina	0.81	0.71	0.97	0.95	0.53	0.89	1.17	0.96	1.96
Brazil	2.19	2.30	5.93	9.67	13.01	12.99	10.98	14.44	15.19
Colombia	1.74	1.85	1.79	3.08	2.63	2.70	3.12	3.22	5.37
Costa Rica	0.00	0.00	0.00	-	0.00	0.04	0.07	0.06	..
Cuba	0.05	0.04	0.10	0.14	0.03	0.02	0.02	0.02	0.01
Dominican Republic	-	-	-	0.01	0.06	0.29	0.53	0.51	0.57
El Salvador	-	-	0.00	-	0.00	0.00	-	-	..
Guatemala	-	-	0.01	-	0.13	0.25	0.18	0.30	0.32
Haiti	-	-	-	0.01	-	-	-	-	..
Honduras	-	-	-	0.00	0.08	0.11	0.11	0.11	0.02
Jamaica	-	-	-	0.04	0.04	0.04	0.03	0.04	0.05
Panama	0.00	0.01	-	0.02	0.04	0.23	0.04	0.07	..
Peru	0.12	0.15	0.14	0.15	0.63	0.96	0.83	0.81	0.45
Uruguay	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Venezuela	0.14	0.27	0.16	0.46	0.13	0.04	0.24	0.20	..
Other Non-OECD Americas	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	..
<b>Non-OECD Americas</b>	<b>5.12</b>	<b>5.38</b>	<b>9.12</b>	<b>14.52</b>	<b>17.32</b>	<b>18.56</b>	<b>17.32</b>	<b>20.75</b>	<b>23.94</b>

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Primary supply of coal and peat (Mtoe)

*Approvisionnement primaire en charbon et en tourbe (Mtep)*

*Primärenergieaufkommen von Kohle und Torf (Mtoe)*

*Disponibilità primaria di carbone e torba (Mtep)*

*石炭及び泥炭の一次供給量（石油換算百万トン）*

*Suministro primario de carbón y turba (Mtep)*

*Первичная поставка угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Bangladesh	0.09	0.12	0.12	0.28	0.33	0.37	0.63	0.63	0.92
Cambodia*	..	..	..	..	-	-	0.01	0.01	0.02
Chinese Taipei	2.54	2.28	3.89	11.38	29.89	38.14	38.16	41.43	42.58
India	35.54	36.23	49.45	103.38	161.46	208.04	282.78	288.36	312.18
Indonesia	0.13	0.08	0.16	3.55	12.37	23.18	30.51	30.48	37.14
DPR of Korea	17.08	17.84	25.88	28.26	16.81	18.23	16.38	15.68	16.06
Malaysia	0.01	0.01	0.05	1.36	2.31	6.89	10.55	14.60	15.14
Mongolia*	..	..	..	2.49	1.82	1.88	2.27	2.28	3.17
Myanmar	0.14	0.05	0.15	0.07	0.32	0.33	0.36	0.41	0.78
Nepal	0.01	0.05	0.05	0.05	0.26	0.25	0.19	0.20	0.20
Pakistan	0.66	0.57	0.69	1.96	1.86	3.73	4.44	4.19	3.17
Philippines	0.02	0.02	0.51	1.43	5.04	5.74	5.94	7.72	8.43
Singapore	0.00	0.00	0.00	0.02	-	0.00	0.00	0.01	..
Sri Lanka	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.17
Thailand	0.11	0.10	0.47	3.82	7.67	11.50	14.93	16.36	16.48
Vietnam	1.43	1.55	2.27	2.22	4.37	8.26	12.61	14.65	12.08
Other Asia	1.00	0.90	1.85	0.19	0.34	0.42	0.76	0.81	0.89
<b>Asia</b>	<b>58.78</b>	<b>59.80</b>	<b>85.56</b>	<b>160.46</b>	<b>244.85</b>	<b>327.04</b>	<b>420.59</b>	<b>437.89</b>	<b>469.40</b>
People's Rep. of China	190.89	203.16	312.52	528.32	711.93	1 138.53	1 509.57	1 595.14	1 942.87
Hong Kong, China	0.02	0.01	0.01	5.50	3.73	6.67	7.60	6.36	7.98
<b>China</b>	<b>190.92</b>	<b>203.17</b>	<b>312.53</b>	<b>533.82</b>	<b>715.66</b>	<b>1 145.20</b>	<b>1 517.16</b>	<b>1 601.50</b>	<b>1 950.85</b>
Albania	0.30	0.35	0.61	0.63	0.02	0.02	0.05	0.06	0.01
Armenia*	..	..	..	0.25	-	-	-	-	..
Azerbaijan*	..	..	..	0.09	-	-	-	-	..
Belarus*	..	..	..	2.43	0.96	0.61	0.51	0.56	0.03
Bosnia and Herzegovina*	..	..	..	4.18	2.46	3.03	3.88	4.03	5.04
Bulgaria	8.43	8.34	9.39	9.24	6.46	6.92	6.41	6.91	8.27
Croatia*	..	..	..	0.82	0.43	0.68	0.51	0.68	0.94
Cyprus	-	-	-	0.06	0.03	0.04	0.01	0.02	0.01
Georgia*	..	..	..	0.90	0.01	0.01	0.11	0.05	0.04
Kazakhstan*	..	..	..	39.95	19.76	28.49	32.01	34.51	36.39
Kosovo*	..	..	..	..	0.97	1.24	1.59	1.67	1.64
Kyrgyzstan*	..	..	..	2.53	0.49	0.55	0.43	0.45	0.54
Latvia*	..	..	..	0.71	0.13	0.08	0.09	0.11	0.17
Lithuania*	..	..	..	0.80	0.10	0.20	0.16	0.21	0.24
FYR of Macedonia*	..	..	..	1.33	1.34	1.50	1.34	1.31	1.12
Malta	-	-	-	0.18	-	-	-	-	..
Republic of Moldova*	..	..	..	2.00	0.08	0.08	0.08	0.08	0.07
Montenegro*	..	..	..	..	..	0.28	0.21	0.41	0.41
Romania	7.13	8.68	12.56	12.93	7.45	8.75	7.53	6.96	7.64
Russian Federation*	..	..	..	191.07	119.97	112.64	95.27	114.83	124.24
Serbia*	..	..	..	9.81	8.23	8.05	8.02	7.75	7.97
Tajikistan*	..	..	..	0.63	0.01	0.05	0.09	0.09	0.09
Turkmenistan*	..	..	..	0.30	-	-	-	-	..
Ukraine*	..	..	..	82.79	38.54	37.32	34.01	36.46	39.09
Uzbekistan*	..	..	..	3.39	1.25	1.12	1.35	1.21	1.06
Former Soviet Union*	306.16	321.16	327.61	x	x	x	x	x	x
Former Yugoslavia*	9.00	9.31	11.96	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>331.02</b>	<b>347.84</b>	<b>362.12</b>	<b>367.00</b>	<b>208.69</b>	<b>211.66</b>	<b>193.66</b>	<b>218.37</b>	<b>234.99</b>

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Primary supply of coal and peat (Mtoe)***Approvisionnement primaire en charbon et en tourbe (Mtep)**Primärenergieaufkommen von Kohle und Torf (Mtoe)**Disponibilità primaria di carbone e torba (Mtep)**石炭及び泥炭の一次供給量（石油換算百万トン）**Suministro primario de carbón y turba (Mtep)**Первичная поставка угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2009	2010	2011e
Islamic Republic of Iran	0.23	0.60	1.20	0.71	1.42	1.65	1.18	1.44	0.76
Lebanon	0.00	0.01	0.00	-	0.13	0.13	0.07	0.22	0.19
Syrian Arab Republic	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	..
United Arab Emirates	-	-	-	-	-	0.15	0.55	0.72	1.28
<b>Middle East</b>	<b>0.23</b>	<b>0.61</b>	<b>1.20</b>	<b>0.71</b>	<b>1.56</b>	<b>1.93</b>	<b>1.81</b>	<b>2.38</b>	<b>2.24</b>
<b>Non-OECD Total*</b>	<b>622.14</b>	<b>654.81</b>	<b>822.07</b>	<b>1 150.61</b>	<b>1 278.27</b>	<b>1 805.02</b>	<b>2 260.82</b>	<b>2 389.40</b>	<b>2 785.40</b>
<i>European Union - 27*</i>	..	..	..	455.19	320.84	317.53	267.41	280.87	278.30
OECD Americas	298.08	329.35	401.05	490.42	575.19	599.97	518.46	538.13	522.27
OECD Asia Oceania	84.53	89.84	101.38	140.62	194.55	221.05	226.94	248.46	238.60
OECD Europe*	436.06	425.41	463.82	449.46	330.86	325.36	283.77	299.79	300.23
<b>OECD Total*</b>	<b>818.67</b>	<b>844.60</b>	<b>966.25</b>	<b>1 080.50</b>	<b>1 100.61</b>	<b>1 146.37</b>	<b>1 029.17</b>	<b>1 086.37</b>	<b>1 061.10</b>
<b>World</b>	<b>1 440.84</b>	<b>1 499.40</b>	<b>1 788.32</b>	<b>2 231.11</b>	<b>2 378.88</b>	<b>2 951.39</b>	<b>3 289.99</b>	<b>3 475.77</b>	<b>3 846.49</b>

For non-OECD countries, the 2011 estimates do not include peat.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Primary supply of oil (Mtoe)

*Approvisionnement primaire en pétrole (Mtep)*

*Primärenergieaufkommen von Öl (Mtoe)*

*Disponibilità primaria di petrolio (Mtep)*

*石油の一次供給量 (石油換算百万トン)*

*Suministro primario de petróleo (Mtep)*

*Первичная поставка нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	2.20	2.97	5.22	9.32	9.59	11.00	14.08	16.24	16.63
Angola	0.57	0.78	0.85	1.06	1.35	2.01	3.77	4.30	5.09
Benin	0.10	0.14	0.13	0.08	0.51	0.78	1.28	1.37	1.52
Botswana*	..	..	..	0.33	0.58	0.68	0.89	0.85	0.91
Cameroon	0.24	0.26	0.57	0.93	1.03	1.08	1.46	1.88	2.05
Congo	0.19	0.20	0.23	0.26	0.18	0.33	0.45	0.56	0.60
Dem. Rep. of Congo	0.61	0.68	0.68	1.10	0.31	0.45	0.58	0.54	0.63
Côte d'Ivoire	0.82	0.93	1.23	1.01	1.20	1.21	1.24	0.99	0.89
Egypt	6.26	6.53	11.35	22.86	22.82	29.35	31.85	32.18	31.58
Eritrea*	..	..	..	..	0.20	0.26	0.13	0.16	0.16
Ethiopia	0.48	0.47	0.50	0.81	1.07	1.47	1.87	1.89	1.77
Gabon	0.51	0.54	0.75	0.29	0.37	0.63	0.67	0.73	0.78
Ghana	0.66	0.75	0.76	0.96	1.81	2.08	2.62	2.36	2.85
Kenya	1.06	1.14	1.49	1.82	2.18	2.34	2.89	3.51	3.68
Libya	0.57	1.65	4.29	7.16	14.33	19.41	18.82	17.69	13.26
Morocco	1.83	2.31	4.02	5.34	6.85	8.80	10.62	10.73	11.97
Mozambique	0.55	0.54	0.57	0.29	0.48	0.49	0.59	0.67	0.72
Namibia*	..	..	..	..	0.59	0.82	0.90	0.97	1.02
Nigeria	1.68	2.55	7.93	10.32	10.31	14.14	11.39	10.48	10.51
Senegal	0.42	0.48	0.68	0.72	1.21	1.43	1.51	1.54	1.60
South Africa	8.62	10.14	10.53	10.32	8.69	17.07	20.73	20.74	15.00
Sudan	1.36	1.45	1.28	1.85	2.37	3.64	4.45	4.78	4.73
United Rep. of Tanzania	0.70	0.78	0.72	0.67	0.69	1.37	1.49	1.35	1.39
Togo	0.11	0.10	0.13	0.19	0.31	0.33	0.37	0.38	0.40
Tunisia	1.17	1.27	2.35	2.99	3.55	4.09	4.09	3.88	3.88
Zambia	0.49	0.67	0.66	0.62	0.48	0.61	0.56	0.61	0.68
Zimbabwe	0.53	0.66	0.60	0.73	1.01	0.69	0.58	0.60	0.64
Other Africa	2.32	2.53	3.65	4.74	6.10	6.71	7.86	8.25	8.55
<b>Africa</b>	<b>34.05</b>	<b>40.52</b>	<b>61.15</b>	<b>86.76</b>	<b>100.16</b>	<b>133.29</b>	<b>147.74</b>	<b>150.21</b>	<b>143.50</b>
Argentina	24.80	25.33	26.35	21.07	23.47	22.95	28.31	26.79	27.72
Bolivia	0.69	0.80	1.37	1.13	1.71	2.35	2.54	2.56	2.74
Brazil	28.15	37.94	55.64	58.89	88.23	87.11	95.74	95.42	104.76
Colombia	5.99	6.60	7.56	9.87	11.53	11.74	12.97	13.22	14.07
Costa Rica	0.47	0.57	0.76	0.98	1.78	1.78	2.16	2.12	2.14
Cuba	6.55	7.12	10.23	10.51	8.49	7.98	8.10	9.21	8.83
Dominican Republic	1.13	1.66	2.11	3.06	6.33	5.51	5.35	5.17	5.20
Ecuador	1.10	1.27	3.94	4.54	6.40	9.28	8.96	9.53	10.15
El Salvador	0.50	0.65	0.61	0.78	1.78	2.00	2.01	2.00	1.92
Guatemala	0.80	0.90	1.41	1.23	2.84	3.19	3.02	3.47	3.06
Haiti	0.13	0.12	0.21	0.30	0.47	0.66	0.78	0.73	0.67
Honduras	0.38	0.42	0.56	0.71	1.36	2.11	2.41	2.15	2.23
Jamaica	1.73	2.67	2.05	2.27	3.20	3.31	3.74	2.68	2.55
Netherlands Antilles*	5.47	5.98	3.93	1.46	1.98	1.95	2.07	2.13	1.68
Nicaragua	0.50	0.59	0.63	0.59	1.16	1.37	1.35	1.39	1.41
Panama	1.33	1.68	0.88	0.85	1.78	1.88	2.20	2.55	2.85
Paraguay	0.20	0.25	0.48	0.66	1.09	1.15	1.25	1.38	1.57
Peru	4.88	5.14	6.63	5.61	7.42	7.18	7.34	6.70	8.22
Trinidad and Tobago	1.00	1.02	1.36	1.23	1.03	1.13	1.36	1.62	1.66
Uruguay	1.87	1.82	1.97	1.32	1.98	1.78	2.60	2.52	2.09
Venezuela	9.61	9.23	19.67	18.61	23.28	30.68	37.23	37.83	44.02
Other Non-OECD Americas	4.13	5.13	5.22	4.13	4.70	4.99	5.27	5.45	5.59
<b>Non-OECD Americas</b>	<b>101.39</b>	<b>116.89</b>	<b>153.56</b>	<b>149.80</b>	<b>202.00</b>	<b>212.11</b>	<b>236.78</b>	<b>236.62</b>	<b>255.13</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Primary supply of oil (Mtoe)

*Approvisionnement primaire en pétrole (Mtep)*

*Primärenergieaufkommen von Öl (Mtoe)*

*Disponibilità primaria di petrolio (Mtep)*

*石油の一次供給量 (石油換算百万トン)*

*Suministro primario de petróleo (Mtep)*

*Первичная поставка нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.81	0.92	1.53	1.79	3.21	4.30	4.42	4.71	5.06
Brunei Darussalam	0.06	0.06	0.18	0.08	0.60	0.46	0.79	0.68	0.64
Cambodia*	..	..	..	..	0.69	0.94	1.21	1.23	1.28
Chinese Taipei	6.29	9.32	20.07	25.88	38.31	43.45	42.38	40.43	42.19
India	21.83	24.28	33.20	61.44	112.71	126.45	150.80	159.57	162.26
Indonesia	8.27	10.73	20.23	33.35	57.87	65.45	63.88	64.15	66.93
DPR of Korea	0.86	1.21	2.71	2.66	1.02	0.93	0.87	0.66	0.63
Malaysia	4.47	4.40	7.88	11.35	19.09	24.49	25.45	26.28	26.02
Mongolia*	..	..	..	0.82	0.43	0.56	0.85	0.78	0.83
Myanmar	1.31	1.05	1.34	0.73	1.97	1.76	1.48	1.31	1.28
Nepal	0.05	0.07	0.11	0.24	0.71	0.72	0.75	0.91	0.98
Pakistan	3.05	3.15	4.34	10.33	18.96	16.50	19.93	20.85	20.99
Philippines	7.90	9.13	10.39	10.84	16.05	13.93	12.98	12.25	13.60
Singapore	2.72	3.75	5.13	11.43	17.43	16.25	16.30	20.45	25.16
Sri Lanka	0.99	1.28	1.32	1.33	3.58	4.01	3.87	3.92	4.26
Thailand	5.80	7.42	10.71	17.96	31.88	43.74	40.31	42.07	44.56
Vietnam	3.48	3.71	1.85	2.71	7.81	12.22	13.65	16.12	18.98
Other Asia	1.25	1.68	2.88	2.95	3.11	4.11	4.25	4.99	5.38
<b>Asia</b>	<b>69.15</b>	<b>82.19</b>	<b>123.89</b>	<b>195.91</b>	<b>335.45</b>	<b>380.28</b>	<b>404.17</b>	<b>421.35</b>	<b>441.04</b>
People's Rep. of China	39.62	52.40	88.92	119.51	221.06	317.44	363.63	377.99	431.35
Hong Kong, China	2.93	3.11	4.59	3.26	6.38	3.19	3.83	4.08	3.52
<b>China</b>	<b>42.55</b>	<b>55.52</b>	<b>93.52</b>	<b>122.76</b>	<b>227.44</b>	<b>320.63</b>	<b>367.46</b>	<b>382.07</b>	<b>434.87</b>
Albania	0.88	0.79	1.56	1.21	1.01	1.45	1.30	1.24	1.23
Armenia*	..	..	..	3.64	0.29	0.37	0.40	0.37	0.35
Azerbaijan*	..	..	..	11.89	6.26	5.39	4.07	3.28	3.71
Belarus*	..	..	..	29.56	7.89	7.71	8.25	9.56	7.06
Bosnia and Herzegovina*	..	..	..	2.02	1.16	1.13	1.48	1.50	1.64
Bulgaria	9.87	11.26	13.37	9.46	4.15	4.85	4.67	4.22	3.87
Croatia*	..	..	..	4.77	3.91	4.48	4.41	4.33	3.67
Cyprus	0.58	0.77	0.86	1.29	2.06	2.13	2.45	2.41	2.31
Georgia*	..	..	..	5.58	0.73	0.76	0.86	0.88	0.95
Gibraltar	0.03	0.03	0.04	0.06	0.13	0.15	0.16	0.16	0.17
Kazakhstan*	..	..	..	20.58	8.36	9.18	13.37	10.85	17.10
Kosovo*	..	..	..	..	0.26	0.37	0.44	0.49	0.47
Kyrgyzstan*	..	..	..	2.95	0.41	0.49	0.82	1.20	1.24
Latvia*	..	..	..	3.43	1.15	1.31	1.45	1.20	1.17
Lithuania*	..	..	..	6.71	2.03	2.63	2.85	2.40	2.44
FYR of Macedonia*	..	..	..	1.10	0.94	0.91	0.94	0.97	0.93
Malta	0.21	0.26	0.32	0.51	0.68	0.88	0.84	0.81	0.84
Republic of Moldova*	..	..	..	4.79	0.43	0.66	0.74	0.68	0.77
Montenegro*	..	..	..	..	..	0.09	0.12	0.14	0.14
Romania	11.21	13.30	18.22	18.06	9.58	9.76	9.85	8.53	8.55
Russian Federation*	..	..	..	263.78	126.11	129.20	143.13	137.92	139.08
Serbia*	..	..	..	5.15	1.46	4.38	4.24	3.93	3.93
Tajikistan*	..	..	..	1.77	0.19	0.28	0.50	0.51	0.54
Turkmenistan*	..	..	..	5.39	3.41	4.05	4.73	4.39	4.18
Ukraine*	..	..	..	56.33	9.88	14.55	14.65	13.68	13.16
Uzbekistan*	..	..	..	10.11	7.33	5.33	4.71	4.57	3.99
Former Soviet Union*	253.57	298.98	414.32	x	x	x	x	x	x
Former Yugoslavia*	8.96	10.38	15.74	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>285.32</b>	<b>335.76</b>	<b>464.42</b>	<b>470.15</b>	<b>199.79</b>	<b>212.48</b>	<b>231.43</b>	<b>220.23</b>	<b>223.49</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Primary supply of oil (Mtoe)***Approvisionnement primaire en pétrole (Mtep)**Primärenergieaufkommen von Öl (Mtoe)**Disponibilità primaria di petrolio (Mtep)**石油の一次供給量 (石油換算百万トン)**Suministro primario de petróleo (Mtep)**Первичная поставка нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.65	0.69	0.37	0.80	0.89	1.26	1.46	1.56	1.68
Islamic Republic of Iran	13.66	16.44	32.59	50.41	68.53	84.89	91.64	95.73	84.43
Iraq	3.33	3.62	8.52	17.85	23.29	24.73	25.17	27.85	32.65
Jordan	0.49	0.61	1.52	3.11	4.58	5.15	4.20	4.22	4.63
Kuwait	1.87	2.15	4.82	4.18	10.97	16.35	17.50	20.06	21.41
Lebanon	1.68	2.23	2.28	1.81	4.48	4.61	5.06	6.18	5.70
Oman	0.23	0.10	0.84	1.78	2.15	2.56	4.49	4.06	6.33
Qatar	0.10	0.14	0.48	0.61	0.94	2.91	3.22	3.83	2.39
Saudi Arabia	6.21	5.70	21.95	38.51	67.08	89.94	93.03	96.50	102.80
Syrian Arab Republic	2.37	2.05	4.20	8.86	10.54	15.53	17.91	15.32	13.73
United Arab Emirates	0.14	0.26	3.11	6.25	6.46	8.89	10.40	11.23	11.52
Yemen	0.69	0.92	1.21	2.44	4.66	6.50	7.04	7.17	6.33
<b>Middle East</b>	<b>31.39</b>	<b>34.90</b>	<b>81.90</b>	<b>136.60</b>	<b>204.58</b>	<b>263.32</b>	<b>281.11</b>	<b>293.72</b>	<b>293.59</b>
<b>Non-OECD Total*</b>	<b>563.85</b>	<b>665.77</b>	<b>978.43</b>	<b>1 161.97</b>	<b>1 269.43</b>	<b>1 522.10</b>	<b>1 668.69</b>	<b>1 704.20</b>	<b>1 791.62</b>
<i>European Union - 27*</i>	..	..	..	600.99	618.43	631.48	604.33	571.69	568.52
OECD Americas	824.33	934.32	954.97	920.09	1 058.95	1 139.76	1 061.92	1 001.53	1 003.67
OECD Asia Oceania	242.72	300.71	302.12	343.74	405.37	387.57	360.28	347.28	354.32
OECD Europe*	640.44	732.41	688.42	605.86	649.86	660.71	635.50	604.20	603.47
<b>OECD Total*</b>	<b>1 707.49</b>	<b>1 967.44</b>	<b>1 945.51</b>	<b>1 869.69</b>	<b>2 114.18</b>	<b>2 188.05</b>	<b>2 057.70</b>	<b>1 953.00</b>	<b>1 961.46</b>
<b>World marine bunkers</b>	<b>108.21</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>2 436.05</b>	<b>2 815.50</b>	<b>3 100.80</b>	<b>3 232.19</b>	<b>3 654.88</b>	<b>4 025.69</b>	<b>4 072.29</b>	<b>3 989.63</b>	<b>4 107.45</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

**Primary supply of natural gas (Mtoe)***Approvisionnement primaire en gaz naturel (Mtep)**Primärenergieaufkommen von Erdgas (Mtoe)**Disponibilità primaria di gas (Mtep)**天然ガスの一次供給量 (石油換算百万トン)**Suministro primario de gas natural (Mtep)**Первичная поставка природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	1.03	1.55	5.83	12.17	16.84	20.52	22.52	23.98	23.32
Angola	0.04	0.05	0.06	0.44	0.47	0.53	0.56	0.56	0.60
Cameroon	-	-	-	-	-	-	0.31	0.26	0.26
Congo	0.00	0.00	-	-	-	0.02	0.02	0.05	0.03
Dem. Rep. of Congo	-	-	-	-	-	-	0.01	0.01	0.01
Côte d'Ivoire	-	-	-	-	1.27	1.25	1.33	1.22	1.33
Egypt	0.07	0.07	1.59	6.73	14.43	29.98	36.40	35.73	38.19
Gabon	0.08	0.40	0.01	0.09	0.10	0.12	0.15	0.15	0.16
Libya	0.90	0.84	2.48	4.05	4.15	4.82	5.49	5.50	5.72
Morocco	0.04	0.06	0.06	0.04	0.04	0.37	0.47	0.53	0.57
Mozambique	-	-	-	-	0.00	0.02	0.08	0.08	0.13
Nigeria	0.17	0.35	1.24	3.27	5.76	8.00	9.13	5.89	7.16
Senegal	-	-	-	0.01	0.00	0.01	0.01	0.01	0.02
South Africa	-	-	-	1.50	1.40	2.76	3.49	2.58	2.95
United Rep. of Tanzania	-	-	-	-	-	0.33	0.46	0.54	0.64
Tunisia	0.00	0.11	0.35	1.23	2.73	3.09	4.08	3.98	4.38
Other Africa	0.00	0.00	0.00	0.00	0.00	0.97	1.23	1.26	1.29
<b>Africa</b>	<b>2.33</b>	<b>3.44</b>	<b>11.62</b>	<b>29.54</b>	<b>47.18</b>	<b>72.81</b>	<b>85.74</b>	<b>82.33</b>	<b>86.75</b>
Argentina	5.65	7.20	10.43	18.83	29.80	35.81	39.37	38.72	37.97
Bolivia	0.06	0.09	0.24	0.63	1.14	1.86	2.15	2.35	2.61
Brazil	0.11	0.16	0.82	3.24	7.91	16.72	21.21	16.99	23.02
Colombia	1.12	1.41	2.39	3.37	5.46	6.12	6.50	7.51	8.23
Cuba	0.00	0.01	0.01	0.03	0.46	0.60	0.94	0.92	0.85
Dominican Republic	-	-	-	-	-	0.21	0.39	0.44	0.69
Ecuador	0.06	0.05	0.04	0.22	0.28	0.39	0.41	0.43	0.49
Peru	0.31	0.30	0.45	0.41	0.49	1.63	3.25	4.10	5.49
Trinidad and Tobago	1.60	1.59	2.44	4.70	9.60	15.61	17.95	18.62	19.68
Uruguay	-	-	-	-	0.03	0.09	0.08	0.06	0.06
Venezuela	8.92	10.75	13.97	20.75	27.07	28.68	24.42	23.71	25.23
Other Non-OECD Americas	0.00	0.00	0.01	0.02	0.32	0.59	0.69	0.65	0.66
<b>Non-OECD Americas</b>	<b>17.84</b>	<b>21.57</b>	<b>30.80</b>	<b>52.20</b>	<b>82.55</b>	<b>108.30</b>	<b>117.35</b>	<b>114.50</b>	<b>124.98</b>
Bangladesh	0.31	0.50	1.04	3.72	7.37	10.80	14.08	15.32	16.49
Brunei Darussalam	0.10	0.27	1.16	1.68	1.85	1.84	2.84	2.45	2.68
Chinese Taipei	0.91	1.22	1.59	1.86	6.03	8.57	10.76	11.27	12.96
India	0.59	0.63	1.26	10.57	23.06	31.75	35.58	48.93	52.72
Indonesia	0.24	0.33	4.95	15.80	26.54	29.25	29.79	34.37	38.79
Malaysia	0.07	0.10	2.01	6.12	22.25	28.68	34.05	29.01	28.07
Myanmar	0.06	0.09	0.29	0.76	1.20	2.29	2.43	1.67	1.33
Pakistan	2.36	2.86	5.02	10.08	16.67	25.64	26.45	27.30	26.96
Philippines	-	-	-	-	0.01	2.70	3.19	3.21	3.05
Singapore	-	-	-	-	1.12	5.89	7.16	6.66	7.20
Thailand	-	-	-	4.99	17.36	25.92	30.94	28.91	32.94
Vietnam	-	-	-	0.00	1.12	4.69	6.36	7.10	8.12
Other Asia	0.19	0.15	0.09	0.24	0.20	0.22	0.30	0.31	0.33
<b>Asia</b>	<b>4.83</b>	<b>6.14</b>	<b>17.41</b>	<b>55.83</b>	<b>124.78</b>	<b>178.23</b>	<b>203.93</b>	<b>216.50</b>	<b>231.63</b>
People's Rep. of China	3.13	5.01	11.96	12.80	20.75	38.78	68.32	75.04	88.57
Hong Kong, China	-	-	-	-	2.45	2.19	2.59	2.52	3.13
<b>China</b>	<b>3.13</b>	<b>5.01</b>	<b>11.96</b>	<b>12.80</b>	<b>23.20</b>	<b>40.97</b>	<b>70.91</b>	<b>77.56</b>	<b>91.70</b>

**Primary supply of natural gas (Mtoe)***Approvisionnement primaire en gaz naturel (Mtep)**Primärenergieaufkommen von Erdgas (Mtoe)**Disponibilità primaria di gas (Mtep)**天然ガスの一次供給量 (石油換算百万トン)**Suministro primario de gas natural (Mtep)**Первичная поставка природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	0.11	0.16	0.32	0.20	0.01	0.01	0.01	0.01	0.01
Armenia*	..	..	..	3.59	1.12	1.34	1.80	1.41	1.29
Azerbaijan*	..	..	..	14.25	5.00	8.10	9.03	8.18	7.82
Belarus*	..	..	..	12.54	14.26	16.94	17.69	14.69	18.15
Bosnia and Herzegovina*	..	..	..	0.40	0.20	0.30	0.33	0.19	0.20
Bulgaria	0.25	0.17	3.18	5.38	2.93	2.80	2.91	2.16	2.30
Croatia*	..	..	..	2.19	2.21	2.38	2.58	2.40	2.63
Georgia*	..	..	..	4.55	0.95	1.06	1.08	1.09	1.01
Kazakhstan*	..	..	..	10.68	6.57	12.46	21.34	19.86	22.56
Kyrgyzstan*	..	..	..	1.52	0.57	0.62	0.62	0.55	0.39
Latvia*	..	..	..	2.38	1.09	1.36	1.33	1.23	1.46
Lithuania*	..	..	..	4.68	2.06	2.48	2.59	2.18	2.49
FYR of Macedonia*	..	..	..	-	0.05	0.06	0.10	0.06	0.10
Republic of Moldova*	..	..	..	3.27	1.78	2.00	1.68	1.48	1.53
Romania	22.28	24.14	32.37	28.83	13.68	13.92	12.16	10.58	10.79
Russian Federation*	..	..	..	367.29	318.92	349.57	366.17	350.29	382.67
Serbia*	..	..	..	2.59	1.53	1.95	2.00	1.39	1.85
Tajikistan*	..	..	..	1.39	0.63	0.54	0.45	0.36	0.30
Turkmenistan*	..	..	..	12.25	10.90	14.25	17.51	15.07	17.34
Ukraine*	..	..	..	91.83	62.25	67.44	55.99	40.79	55.23
Uzbekistan*	..	..	..	32.48	41.55	39.79	43.57	38.21	37.67
Former Soviet Union*	176.60	196.20	315.91	x	x	x	x	x	x
Former Yugoslavia*	1.00	1.33	2.97	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>200.23</b>	<b>222.00</b>	<b>354.75</b>	<b>602.29</b>	<b>488.26</b>	<b>539.35</b>	<b>560.94</b>	<b>512.19</b>	<b>567.76</b>
Bahrain	0.76	1.34	2.43	3.55	4.97	6.24	7.80	7.89	8.08
Islamic Republic of Iran	2.35	3.22	3.66	17.48	52.62	83.81	109.98	115.38	121.68
Iraq	0.76	0.99	1.05	1.62	2.57	1.49	2.71	3.86	4.19
Jordan	-	-	-	0.10	0.21	1.38	2.72	3.08	2.29
Kuwait	4.24	4.95	5.63	4.92	7.84	10.04	10.37	10.11	11.99
Lebanon	-	-	-	-	-	-	-	0.04	0.21
Oman	-	-	0.31	2.44	5.93	8.22	11.40	10.86	13.67
Qatar	0.82	1.29	2.84	5.56	9.47	13.90	18.16	19.54	20.13
Saudi Arabia	1.15	1.54	9.15	21.24	34.24	55.59	61.04	61.35	66.49
Syrian Arab Republic	-	-	0.04	1.37	4.94	4.94	4.89	5.75	7.80
United Arab Emirates	0.88	1.05	4.12	14.17	27.46	34.17	48.12	49.13	50.57
Yemen	-	-	-	-	-	-	-	0.09	0.73
<b>Middle East</b>	<b>10.96</b>	<b>14.38</b>	<b>29.23</b>	<b>72.44</b>	<b>150.25</b>	<b>219.79</b>	<b>277.19</b>	<b>287.08</b>	<b>307.83</b>
<b>Non-OECD Total*</b>	<b>239.33</b>	<b>272.53</b>	<b>455.77</b>	<b>825.10</b>	<b>916.23</b>	<b>1 159.44</b>	<b>1 316.06</b>	<b>1 290.17</b>	<b>1 410.65</b>
<i>European Union - 27*</i>	..	..	..	294.74	393.59	445.73	440.38	416.65	441.27
OECD Americas	557.51	562.81	542.19	517.22	655.94	632.53	670.28	664.90	692.81
OECD Asia Oceania	5.32	8.78	29.78	65.57	106.99	121.47	147.24	146.14	159.30
OECD Europe*	92.84	134.73	206.11	259.93	393.04	454.81	459.23	437.60	464.85
<b>OECD Total*</b>	<b>655.67</b>	<b>706.32</b>	<b>778.08</b>	<b>842.72</b>	<b>1 155.97</b>	<b>1 208.82</b>	<b>1 276.75</b>	<b>1 248.64</b>	<b>1 316.96</b>
<b>World</b>	<b>895.00</b>	<b>978.85</b>	<b>1 233.85</b>	<b>1 667.82</b>	<b>2 072.20</b>	<b>2 368.26</b>	<b>2 592.81</b>	<b>2 538.80</b>	<b>2 727.61</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Primary supply of biofuels and waste (Mtoe)***Approvisionnement primaire en biocarburants et déchets (Mtep)**Primärenergieaufkommen an Biokraftstoffen und Abfällen (Mtoe)**Disponibilità primaria di biocarburanti e rifiuti (Mtep)**バイオ燃料及び廃棄物の一次供給量 (石油換算百万トン)**Suministro primario de biocombustibles y desechos (Mtep)**Первичная поставка биотоплива и отходов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.01	0.01	0.01	0.02	0.08	0.10	0.07	0.08	0.07
Angola	3.19	3.23	3.60	4.32	5.61	6.64	7.26	7.47	7.68
Benin	1.00	1.04	1.21	1.56	1.45	1.67	1.94	2.00	2.05
Botswana*	..	..	..	0.42	0.54	0.46	0.47	0.48	0.49
Cameroon	2.36	2.46	2.97	3.82	4.98	5.58	4.26	4.43	4.43
Congo	0.31	0.33	0.38	0.47	0.59	0.66	0.72	0.74	0.76
Dem. Rep. of Congo	5.57	5.88	7.22	10.00	15.76	18.77	20.77	21.47	22.20
Côte d'Ivoire	1.63	4.22	4.22	4.22	4.22	7.17	7.60	7.11	7.25
Egypt	0.65	0.68	0.79	1.06	1.31	1.43	1.51	1.54	1.57
Eritrea*	..	..	..	..	0.51	0.50	0.55	0.56	0.58
Ethiopia	8.10	8.53	10.29	13.96	17.42	19.61	29.29	30.13	30.99
Gabon	0.49	0.51	0.59	0.74	0.92	1.03	1.09	1.11	1.13
Ghana	2.09	2.29	2.85	3.90	5.32	5.65	5.83	5.89	5.95
Kenya	4.11	4.42	5.74	8.26	11.00	12.52	13.51	13.87	14.23
Libya	0.10	0.11	0.13	0.13	0.14	0.15	0.16	0.17	0.17
Morocco	0.13	0.13	0.26	0.32	0.44	0.46	0.48	0.48	0.48
Mozambique	5.95	5.88	5.94	5.56	6.42	7.05	7.70	8.00	8.32
Namibia*	..	..	..	..	0.17	0.19	0.20	0.20	0.21
Nigeria	33.96	35.67	42.97	56.58	74.04	83.70	90.19	92.48	94.83
Senegal	0.83	0.84	0.89	0.96	1.16	1.19	1.40	1.53	1.57
South Africa	4.70	5.13	6.30	10.41	12.64	13.55	14.01	14.16	14.35
Sudan	5.65	5.87	7.04	8.69	10.87	11.38	10.51	10.81	11.09
United Rep. of Tanzania	6.85	6.88	7.24	8.93	12.46	15.26	16.73	17.22	17.76
Togo	0.61	0.64	0.75	1.05	1.76	1.99	2.13	2.18	2.22
Tunisia	0.42	0.43	0.50	0.64	0.93	1.12	1.25	1.17	1.35
Zambia	2.13	2.30	2.90	4.01	5.14	5.77	6.24	6.41	6.51
Zimbabwe	3.05	3.17	3.66	4.73	5.59	6.02	6.21	6.24	6.26
Other Africa	23.80	24.65	28.75	36.47	47.39	54.59	60.04	61.78	63.56
<b>Africa</b>	<b>117.67</b>	<b>125.31</b>	<b>147.20</b>	<b>191.22</b>	<b>248.84</b>	<b>284.24</b>	<b>312.12</b>	<b>319.69</b>	<b>328.08</b>
Argentina	2.26	2.10	2.15	1.72	2.96	2.27	2.80	2.29	2.49
Bolivia	0.19	0.23	0.74	0.75	0.72	0.79	1.06	1.10	1.78
Brazil	35.61	36.59	40.39	47.78	46.58	63.19	78.20	75.90	81.33
Colombia	4.42	3.40	4.73	5.52	3.43	3.24	3.54	3.52	3.31
Costa Rica	0.57	0.59	0.58	0.74	0.25	0.64	0.84	0.77	0.80
Cuba	4.12	3.89	4.63	7.01	3.88	2.14	1.44	1.53	1.27
Dominican Republic	1.17	1.16	1.28	1.00	1.36	1.50	1.79	1.80	1.78
Ecuador	1.10	1.05	0.98	0.83	0.70	0.57	0.65	0.62	0.65
El Salvador	1.21	1.29	1.41	1.19	1.35	1.45	1.01	0.77	0.77
Guatemala	1.91	2.02	2.35	3.04	3.90	3.99	4.30	5.12	6.36
Haiti	1.38	1.46	1.86	1.21	1.52	1.90	1.97	1.85	1.60
Honduras	0.99	1.03	1.25	1.50	1.33	1.63	1.93	1.95	1.96
Jamaica	0.27	0.24	0.21	0.48	0.58	0.39	0.48	0.52	0.45
Nicaragua	0.72	0.76	0.86	1.13	1.42	1.68	1.37	1.37	1.42
Panama	0.34	0.33	0.44	0.42	0.46	0.45	0.55	0.51	0.48
Paraguay	1.15	1.25	1.55	2.23	2.24	2.17	2.31	2.25	2.30
Peru	3.45	3.51	3.43	2.67	2.23	2.27	1.88	2.51	3.15
Trinidad and Tobago	0.04	0.02	0.03	0.07	0.05	0.04	0.03	0.03	0.01
Uruguay	0.39	0.40	0.47	0.55	0.42	0.45	1.00	1.07	1.29
Venezuela	0.56	0.55	0.55	0.77	0.88	0.93	0.96	0.96	0.96
Other Non-OECD Americas	0.47	0.48	0.65	0.58	0.67	0.71	0.73	0.74	0.74
<b>Non-OECD Americas</b>	<b>62.32</b>	<b>62.36</b>	<b>70.55</b>	<b>81.18</b>	<b>76.90</b>	<b>92.41</b>	<b>108.81</b>	<b>107.17</b>	<b>114.92</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Primary supply of biofuels and waste (Mtoe)

*Approvisionnement primaire en biocarburants et déchets (Mtep)*

*Primärenergieaufkommen an Biokraftstoffen und Abfällen (Mtoe)*

*Disponibilità primaria di biocarburanti e rifiuti (Mtep)*

*バイオ燃料及び廃棄物の一次供給量 (石油換算百万トン)*

*Suministro primario de biocombustibles y desechos (Mtep)*

*Первичная поставка биотоплива и отходов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	4.46	4.79	5.65	6.86	7.61	8.25	8.54	8.63	8.73
Brunei Darussalam	0.02	0.01	0.01	0.00	-	-	-	-	-
Cambodia*	..	..	..	..	2.72	2.49	2.27	3.60	3.62
Chinese Taipei	-	-	-	-	0.61	1.16	1.25	1.21	1.31
India	95.78	100.22	116.46	133.46	148.88	158.98	165.65	167.90	170.18
Indonesia	26.34	26.92	30.26	43.50	49.12	50.36	52.19	52.52	54.04
DPR of Korea	0.68	0.72	0.86	0.95	1.00	1.04	1.06	1.06	1.07
Malaysia	1.45	1.55	1.83	2.39	2.87	3.20	3.41	3.43	3.41
Mongolia*	..	..	..	0.08	0.13	0.17	0.18	0.18	0.15
Myanmar	6.36	6.68	7.57	9.02	9.19	10.17	10.38	10.46	10.54
Nepal	3.59	3.75	4.39	5.43	6.99	7.93	8.39	8.55	8.70
Pakistan	10.63	11.33	14.03	18.77	24.00	26.35	27.81	28.32	28.83
Philippines	7.39	7.84	9.41	11.12	8.10	7.16	6.92	6.98	6.90
Singapore	0.01	0.00	0.01	0.06	0.17	0.32	0.36	0.37	0.40
Sri Lanka	2.74	2.79	3.08	3.92	4.47	4.63	4.67	4.77	5.05
Thailand	7.60	7.91	10.65	14.69	14.61	17.18	20.25	20.70	22.60
Vietnam	8.26	8.65	10.14	12.47	14.19	14.79	14.72	14.72	14.71
Other Asia	1.09	1.14	2.55	3.28	4.19	4.31	4.36	4.31	4.43
<b>Asia</b>	<b>176.39</b>	<b>184.31</b>	<b>216.89</b>	<b>265.99</b>	<b>298.84</b>	<b>318.47</b>	<b>332.41</b>	<b>337.69</b>	<b>344.65</b>
People's Rep. of China	154.24	161.72	179.93	200.41	203.62	202.70	202.38	203.50	205.82
Hong Kong, China	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
<b>China</b>	<b>154.29</b>	<b>161.77</b>	<b>179.99</b>	<b>200.46</b>	<b>203.68</b>	<b>202.76</b>	<b>202.44</b>	<b>203.55</b>	<b>205.87</b>
Albania	0.38	0.38	0.38	0.36	0.26	0.23	0.22	0.21	0.21
Armenia*	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Belarus*	..	..	..	0.20	0.96	1.27	1.54	1.61	1.73
Bosnia and Herzegovina*	..	..	..	0.16	0.18	0.18	0.18	0.18	0.18
Bulgaria	0.27	0.24	0.20	0.17	0.56	0.75	0.76	0.75	0.91
Croatia*	..	..	..	0.31	0.37	0.36	0.34	0.36	0.40
Cyprus	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.05
Georgia*	..	..	..	0.46	0.65	0.35	0.38	0.38	0.36
Kazakhstan*	..	..	..	0.11	0.07	0.01	0.07	0.07	0.05
Kosovo*	..	..	..	..	0.21	0.22	0.23	0.23	0.24
Kyrgyzstan*	..	..	..	0.01	0.00	0.00	0.00	0.00	0.00
Latvia*	..	..	..	0.66	0.95	1.19	1.11	1.27	1.29
Lithuania*	..	..	..	0.28	0.65	0.84	0.98	1.00	0.99
FYR of Macedonia*	..	..	..	-	0.21	0.15	0.17	0.20	0.21
Republic of Moldova*	..	..	..	0.04	0.06	0.08	0.08	0.08	0.08
Montenegro*	..	..	..	..	..	0.01	0.02	0.03	0.03
Romania	1.39	1.37	0.96	0.60	2.86	3.27	3.91	3.93	4.13
Russian Federation*	..	..	..	12.18	6.90	6.91	6.23	6.37	6.94
Serbia*	..	..	..	1.17	0.80	0.80	0.80	1.07	1.04
Ukraine*	..	..	..	0.36	0.26	0.26	0.90	1.43	1.48
Uzbekistan*	..	..	..	0.00	0.00	0.00	0.00	0.00	0.00
Former Soviet Union*	20.15	19.48	18.40	x	x	x	x	x	x
Former Yugoslavia*	1.63	0.82	0.66	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>23.82</b>	<b>22.29</b>	<b>20.59</b>	<b>17.09</b>	<b>15.96</b>	<b>16.91</b>	<b>17.97</b>	<b>19.23</b>	<b>20.31</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Primary supply of biofuels and waste (Mtoe)***Approvisionnement primaire en biocarburants et déchets (Mtep)**Primärenergieaufkommen an Biokraftstoffen und Abfällen (Mtoe)**Disponibilità primaria di biocarburanti e rifiuti (Mtep)**バイオ燃料及び廃棄物の一次供給量 (石油換算百万トン)**Suministro primario de biocombustibles y desechos (Mtep)**Первичная поставка биотоплива и отходов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Islamic Republic of Iran	0.15	0.15	0.14	0.22	0.15	0.40	0.31	0.31	0.31
Iraq	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03
Jordan	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Kuwait	0.01	0.02	0.00	0.01	-	-	-	-	-
Lebanon	0.10	0.10	0.11	0.10	0.13	0.15	0.14	0.13	0.12
Saudi Arabia	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Syrian Arab Republic	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
United Arab Emirates	-	-	-	-	0.02	0.03	0.03	0.03	0.03
Yemen	0.05	0.05	0.06	0.08	0.08	0.09	0.10	0.10	0.11
<b>Middle East</b>	<b>0.33</b>	<b>0.36</b>	<b>0.34</b>	<b>0.44</b>	<b>0.41</b>	<b>0.70</b>	<b>0.62</b>	<b>0.60</b>	<b>0.60</b>
<b>Non-OECD Total*</b>	<b>534.81</b>	<b>556.40</b>	<b>635.56</b>	<b>756.39</b>	<b>844.63</b>	<b>915.49</b>	<b>974.37</b>	<b>987.94</b>	<b>1 014.43</b>
<i>European Union - 27*</i>	..	..	..	46.38	66.03	84.65	107.04	115.04	129.64
OECD Americas	50.11	52.84	70.81	82.10	98.59	101.63	110.47	109.59	115.72
OECD Asia Oceania	3.56	3.53	4.13	10.44	13.40	15.59	16.89	16.29	17.05
OECD Europe*	29.31	30.99	35.68	54.33	70.70	87.35	108.77	116.37	130.83
<b>OECD Total*</b>	<b>82.98</b>	<b>87.36</b>	<b>110.62</b>	<b>146.87</b>	<b>182.68</b>	<b>204.56</b>	<b>236.13</b>	<b>242.25</b>	<b>263.60</b>
<b>World</b>	<b>617.79</b>	<b>643.76</b>	<b>746.19</b>	<b>903.26</b>	<b>1 027.32</b>	<b>1 120.05</b>	<b>1 210.50</b>	<b>1 230.18</b>	<b>1 278.03</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total primary energy supply (TPES) (Mtoe)***Approvisionnement totaux en énergie primaire (ATEP) (Mtep)**Gesamtaufkommen von Primärenergie (TPES) (Mtoe)**Disponibilità totale di energia primaria (DTEP) (Mtep)**一次エネルギー総供給量 (石油換算百万トン)**Suministro total de energía primaria (TPES) (Mtep)**Общая первичная поставка топлива и энергии (ОППТЭ) (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	3.47	4.83	11.21	22.19	27.02	32.37	37.44	40.75	40.37
Angola	3.85	4.13	4.56	5.88	7.50	9.38	11.86	12.60	13.67
Benin	1.11	1.18	1.35	1.66	1.98	2.50	3.28	3.44	3.65
Botswana*	..	..	..	1.26	1.84	1.93	2.15	2.02	2.26
Cameroon	2.70	2.82	3.66	4.98	6.31	6.98	6.40	6.91	7.11
Congo	0.51	0.53	0.62	0.78	0.81	1.08	1.26	1.42	1.47
Dem. Rep. of Congo	6.68	7.09	8.47	11.80	16.68	19.97	22.24	22.92	23.76
Côte d'Ivoire	2.45	5.17	5.57	5.37	6.73	9.63	10.28	9.45	9.57
Egypt	7.78	8.01	15.16	32.33	40.66	62.73	71.86	71.39	73.26
Eritrea*	..	..	..	..	0.71	0.76	0.68	0.73	0.74
Ethiopia	8.61	9.03	10.83	14.87	18.64	21.32	31.45	32.34	33.20
Gabon	1.07	1.44	1.37	1.18	1.46	1.85	1.99	2.06	2.13
Ghana	3.00	3.36	4.02	5.29	7.74	8.23	8.96	8.79	9.32
Kenya	5.28	5.67	7.36	10.68	13.73	16.04	17.73	18.77	19.56
Libya	1.57	2.60	6.89	11.33	18.62	24.39	24.47	23.35	19.15
Morocco	2.43	2.98	4.87	6.94	10.24	13.07	14.99	15.09	16.51
Mozambique	6.90	6.80	6.72	5.92	7.17	8.49	9.39	9.78	10.20
Namibia*	..	..	..	..	0.98	1.29	1.62	1.58	1.60
Nigeria	36.07	38.91	52.46	70.58	90.60	106.51	111.21	109.24	113.05
Senegal	1.24	1.32	1.56	1.69	2.40	2.79	3.08	3.27	3.38
South Africa	45.43	49.18	65.38	90.96	109.26	128.19	147.73	144.28	136.87
Sudan	7.03	7.37	8.37	10.63	13.34	15.13	15.09	15.87	16.15
United Rep. of Tanzania	7.58	7.69	8.02	9.73	13.39	17.17	18.96	19.41	20.08
Togo	0.73	0.75	0.89	1.26	2.11	2.37	2.56	2.63	2.69
Tunisia	1.66	1.89	3.27	4.95	7.31	8.31	9.43	9.05	9.63
Zambia	3.50	3.96	4.50	5.40	6.24	7.21	7.64	7.86	8.12
Zimbabwe	5.44	5.87	6.49	9.30	9.89	9.70	9.27	9.41	9.60
Other Africa	26.32	27.42	32.79	41.81	54.44	63.40	70.42	72.56	74.72
<b>Africa</b>	<b>192.39</b>	<b>210.00</b>	<b>276.38</b>	<b>388.77</b>	<b>497.80</b>	<b>602.81</b>	<b>673.44</b>	<b>676.95</b>	<b>681.84</b>
Argentina	33.66	35.60	41.82	46.07	60.95	66.97	76.66	74.53	74.63
Bolivia	1.02	1.19	2.44	2.61	3.74	5.17	5.94	6.20	7.32
Brazil	69.77	81.97	113.85	140.23	187.40	215.24	248.34	240.27	265.62
Colombia	13.85	13.95	17.71	24.22	25.81	27.08	29.21	30.82	32.24
Costa Rica	1.13	1.26	1.53	2.03	2.96	3.87	4.59	4.56	4.65
Cuba	10.74	11.07	14.98	17.69	12.86	10.76	10.51	11.69	10.98
Dominican Republic	2.34	2.87	3.43	4.10	7.81	7.67	8.19	8.09	8.34
Ecuador	2.30	2.40	5.03	6.02	8.03	10.99	11.03	11.46	12.10
El Salvador	1.75	1.98	2.52	2.47	3.97	4.53	4.50	4.22	4.19
Guatemala	2.73	2.95	3.79	4.42	7.05	7.86	8.16	9.32	10.26
Haiti	1.50	1.59	2.08	1.56	2.01	2.58	2.77	2.60	2.29
Honduras	1.39	1.48	1.87	2.38	2.99	4.00	4.65	4.45	4.57
Jamaica	2.01	2.92	2.28	2.79	3.83	3.76	4.26	3.25	3.05
Netherlands Antilles*	5.47	5.98	3.93	1.46	1.98	1.95	2.07	2.13	1.68
Nicaragua	1.24	1.38	1.53	2.09	2.72	3.33	3.05	3.05	3.14
Panama	1.68	2.03	1.41	1.49	2.58	2.88	3.12	3.43	3.77
Paraguay	1.37	1.52	2.08	3.07	3.85	3.95	4.35	4.48	4.79
Peru	9.13	9.51	11.26	9.73	12.22	13.65	15.04	15.83	19.40
Trinidad and Tobago	2.64	2.64	3.83	5.99	10.67	16.78	19.34	20.27	21.35
Uruguay	2.42	2.39	2.64	2.25	3.09	2.96	4.15	4.21	4.17
Venezuela	19.69	21.34	35.60	43.77	56.76	66.91	70.17	70.09	76.95
Other Non-OECD Americas	4.72	5.73	5.99	4.87	5.78	6.47	6.90	7.04	7.20
<b>Non-OECD Americas</b>	<b>192.54</b>	<b>213.73</b>	<b>281.61</b>	<b>331.32</b>	<b>429.06</b>	<b>489.35</b>	<b>546.99</b>	<b>541.99</b>	<b>582.67</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total primary energy supply (TPES) (Mtoe)***Approvisionnement totaux en énergie primaire (ATEP) (Mtep)**Gesamtaufkommen von Primärenergie (TPES) (Mtoe)**Disponibilità totale di energia primaria (DTEP) (Mtep)**一次エネルギー総供給量 (石油換算百万トン)**Suministro total de energía primaria (TPES) (Mtep)**Общая первичная поставка топлива и энергии (ОППТЭ) (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	5.69	6.35	8.40	12.74	18.61	23.84	27.79	29.42	31.05
Brunei Darussalam	0.18	0.34	1.35	1.76	2.45	2.30	3.63	3.12	3.31
Cambodia*	..	..	..	..	3.41	3.44	3.51	4.91	5.02
Chinese Taipei	10.00	13.11	27.94	48.25	85.34	102.18	105.66	102.40	109.28
India	156.46	164.47	205.15	316.74	457.21	539.28	626.08	675.19	692.69
Indonesia	35.05	38.16	55.71	98.62	155.13	180.51	186.92	198.51	207.85
DPR of Korea	19.41	20.59	30.36	33.22	19.72	21.33	20.16	19.18	18.53
Malaysia	6.09	6.15	11.90	21.55	47.11	63.51	73.01	69.86	72.65
Mongolia*	..	..	..	3.42	2.40	2.63	3.16	3.25	3.28
Myanmar	7.91	7.92	9.42	10.68	12.84	14.82	15.03	14.25	14.00
Nepal	3.66	3.87	4.56	5.79	8.11	9.13	9.60	9.96	10.22
Pakistan	17.04	18.37	24.83	42.67	63.49	75.52	81.61	84.07	84.59
Philippines	15.31	17.15	22.41	28.62	39.87	38.76	40.01	38.10	40.48
Singapore	2.73	3.75	5.13	11.51	18.72	22.46	23.83	27.48	32.77
Sri Lanka	3.80	4.13	4.53	5.52	8.33	9.00	8.94	9.09	9.87
Thailand	13.69	15.61	22.00	41.94	72.28	99.17	107.66	107.30	117.43
Vietnam	13.22	13.96	14.39	17.87	28.74	41.46	48.98	53.45	59.23
Other Asia	3.61	3.94	7.53	6.89	8.22	9.51	10.45	11.24	11.88
<b>Asia</b>	<b>313.86</b>	<b>337.89</b>	<b>455.63</b>	<b>707.79</b>	<b>1 051.97</b>	<b>1 258.82</b>	<b>1 396.03</b>	<b>1 460.79</b>	<b>1 524.13</b>
People's Rep. of China	390.46	425.56	598.34	872.12	1 182.69	1 750.17	2 086.11	2 249.32	2 417.13
Hong Kong, China	3.00	3.17	4.63	8.66	13.39	12.66	14.14	14.93	13.79
<b>China</b>	<b>393.46</b>	<b>428.73</b>	<b>602.97</b>	<b>880.78</b>	<b>1 196.08</b>	<b>1 762.84</b>	<b>2 100.25</b>	<b>2 264.25</b>	<b>2 430.92</b>
Albania	1.72	1.75	3.07	2.67	1.78	2.21	2.09	2.09	2.08
Armenia*	..	..	..	7.70	2.00	2.51	3.00	2.60	2.45
Azerbaijan*	..	..	..	26.15	11.43	13.85	13.28	11.68	11.84
Belarus*	..	..	..	45.55	24.68	26.87	28.15	26.76	27.73
Bosnia and Herzegovina*	..	..	..	7.02	4.35	5.04	5.95	6.03	6.40
Bulgaria	19.03	20.50	28.39	28.56	18.68	19.95	19.79	17.49	17.86
Croatia*	..	..	..	8.99	7.77	8.89	9.06	8.69	8.54
Cyprus	0.59	0.78	0.86	1.36	2.14	2.22	2.59	2.54	2.44
Georgia*	..	..	..	12.42	2.87	2.84	3.00	3.10	3.12
Gibraltar	0.03	0.03	0.04	0.06	0.13	0.15	0.16	0.16	0.17
Kazakhstan*	..	..	..	73.45	35.68	50.81	70.20	63.32	75.01
Kosovo*	..	..	..	..	1.48	1.86	2.11	2.37	2.44
Kyrgyzstan*	..	..	..	7.49	2.40	2.66	2.73	3.01	2.92
Latvia*	..	..	..	7.88	3.71	4.42	4.48	4.22	4.41
Lithuania*	..	..	..	16.07	7.13	8.84	9.43	8.63	6.93
FYR of Macedonia*	..	..	..	2.48	2.67	2.90	3.01	2.81	2.89
Malta	0.21	0.26	0.32	0.69	0.68	0.88	0.84	0.81	0.84
Republic of Moldova*	..	..	..	9.87	2.51	3.08	2.85	2.45	2.60
Montenegro*	..	..	..	..	..	0.71	0.83	0.65	0.82
Romania	42.13	47.83	65.23	62.22	36.21	38.65	39.55	34.79	34.99
Russian Federation*	..	..	..	879.19	619.26	651.71	688.48	646.92	701.52
Serbia*	..	..	..	19.35	13.31	16.05	16.87	15.24	15.61
Tajikistan*	..	..	..	5.31	2.15	2.34	2.47	2.33	2.31
Turkmenistan*	..	..	..	17.57	14.24	18.19	22.10	19.28	21.31
Ukraine*	..	..	..	249.62	131.73	143.06	136.14	112.34	130.50
Uzbekistan*	..	..	..	46.37	50.74	46.98	50.50	44.92	43.79
Former Soviet Union*	768.33	848.63	1 109.51	x	x	x	x	x	x
Former Yugoslavia*	21.91	23.23	33.71	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>853.95</b>	<b>943.02</b>	<b>1 241.13</b>	<b>1 538.01</b>	<b>999.73</b>	<b>1 077.64</b>	<b>1 139.67</b>	<b>1 045.24</b>	<b>1 131.50</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total primary energy supply (TPES) (Mtoe)***Approvisionnement totaux en énergie primaire (ATEP) (Mtep)**Gesamtaufkommen von Primärenergie (TPES) (Mtoe)**Disponibilità totale di energia primaria (DTEP) (Mtep)**一次エネルギー総供給量 (石油換算百万トン)**Suministro total de energía primaria (TPES) (Mtep)**Общая первичная поставка топлива и энергии (ОППТЭ) (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	1.41	2.03	2.81	4.35	5.86	7.50	9.24	9.47	9.78
Islamic Republic of Iran	16.61	20.65	38.07	69.34	122.98	172.09	203.80	212.89	208.37
Iraq	4.13	4.66	9.65	19.71	25.94	26.87	28.45	32.49	37.80
Jordan	0.49	0.61	1.52	3.27	4.87	6.68	7.07	7.46	7.20
Kuwait	6.12	7.13	10.45	9.11	18.81	26.40	27.87	30.17	33.40
Lebanon	1.85	2.38	2.47	1.95	4.91	5.02	5.42	6.59	6.45
Oman	0.23	0.10	1.15	4.22	8.08	10.77	15.89	14.91	20.00
Qatar	0.93	1.43	3.33	6.17	10.41	16.81	21.37	23.37	22.51
Saudi Arabia	7.36	7.23	31.10	59.76	101.32	145.54	154.08	157.85	169.30
Syrian Arab Republic	2.38	2.06	4.47	10.47	15.76	20.79	23.05	21.23	21.73
United Arab Emirates	1.01	1.30	7.23	20.42	33.95	43.23	58.33	60.35	62.13
Yemen	0.74	0.97	1.27	2.51	4.74	6.59	7.14	7.36	7.17
<b>Middle East</b>	<b>43.24</b>	<b>50.56</b>	<b>113.52</b>	<b>211.28</b>	<b>357.63</b>	<b>488.28</b>	<b>561.72</b>	<b>584.15</b>	<b>605.85</b>
<b>Non-OECD Total*</b>	<b>1 989.44</b>	<b>2 183.92</b>	<b>2 971.23</b>	<b>4 057.95</b>	<b>4 532.27</b>	<b>5 679.74</b>	<b>6 418.10</b>	<b>6 573.39</b>	<b>6 956.92</b>
<i>European Union - 27*</i>	..	..	..	1 636.09	1 684.92	1 779.70	1 749.47	1 653.93	1 714.28
OECD Americas	1 780.51	1 950.36	2 101.88	2 260.04	2 695.07	2 789.56	2 753.18	2 619.84	2 677.20
OECD Asia Oceania	348.76	414.75	472.14	642.98	850.54	880.28	886.83	866.24	912.70
OECD Europe*	1 243.04	1 375.44	1 494.24	1 619.47	1 746.93	1 845.31	1 833.23	1 743.62	1 815.98
<b>OECD Total*</b>	<b>3 372.31</b>	<b>3 740.55</b>	<b>4 068.27</b>	<b>4 522.50</b>	<b>5 292.54</b>	<b>5 515.15</b>	<b>5 473.24</b>	<b>5 229.70</b>	<b>5 405.87</b>
<b>World marine bunkers</b>	<b>108.24</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>5 526.48</b>	<b>6 106.76</b>	<b>7 216.37</b>	<b>8 780.97</b>	<b>10 096.08</b>	<b>11 510.43</b>	<b>12 237.24</b>	<b>12 135.52</b>	<b>12 717.16</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

**Primary energy supply of renewables (Mtoe)***Approvisionnement primaire en énergies renouvelables (Mtep)**Primärenergieaufkommen von Erneuerbare (Mtoe)**Disponibilità primaria da fonti rinnovabili (Mtep)**再生可能エネルギーの一次供給量（石油換算百万トン）**Suministro de energía primaria a partir de renovables (Mtep)**Первичная поставка возобновляемой энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.04	0.07	0.03	0.03	0.08	0.15	0.09	0.10	0.09
Angola	3.24	3.30	3.65	4.38	5.69	6.83	7.53	7.74	7.99
Benin	1.00	1.04	1.21	1.56	1.45	1.67	1.94	2.00	2.05
Botswana*	..	..	..	0.42	0.54	0.46	0.48	0.48	0.49
Cameroon	2.45	2.55	3.09	4.05	5.28	5.90	4.63	4.78	4.80
Congo	0.32	0.33	0.39	0.52	0.61	0.69	0.75	0.77	0.80
Dem. Rep. of Congo	5.86	6.20	7.58	10.48	16.27	19.41	21.41	22.14	22.87
Côte d'Ivoire	1.64	4.24	4.34	4.34	4.38	7.30	7.77	7.29	7.39
Egypt	1.09	1.12	1.64	1.91	2.50	2.57	2.86	2.74	2.82
Eritrea*	..	..	..	..	0.51	0.50	0.55	0.56	0.58
Ethiopia	8.13	8.56	10.33	14.05	17.57	19.85	29.58	30.45	31.43
Gabon	0.49	0.51	0.61	0.80	0.99	1.10	1.16	1.19	1.20
Ghana	2.34	2.63	3.31	4.39	5.88	6.14	6.36	6.48	6.55
Kenya	4.14	4.46	5.83	8.75	11.48	13.65	14.77	15.21	15.78
Libya	0.10	0.11	0.13	0.13	0.14	0.15	0.16	0.17	0.17
Morocco	0.26	0.24	0.39	0.42	0.50	0.56	0.58	0.73	0.84
Mozambique	5.97	5.90	5.96	5.58	7.25	8.19	9.00	9.46	9.75
Namibia*	..	..	..	..	0.29	0.32	0.32	0.33	0.32
Nigeria	34.09	35.83	43.21	56.95	74.52	84.37	90.68	92.87	95.38
Senegal	0.83	0.84	0.89	0.96	1.16	1.21	1.42	1.55	1.59
South Africa	4.71	5.22	6.39	10.50	12.73	13.69	14.17	14.35	14.61
Sudan	5.67	5.91	7.09	8.77	10.97	11.49	10.63	11.09	11.42
United Rep. of Tanzania	6.87	6.91	7.30	9.06	12.64	15.41	16.96	17.45	17.98
Togo	0.61	0.64	0.75	1.05	1.76	2.00	2.14	2.18	2.23
Tunisia	0.42	0.43	0.50	0.64	0.94	1.14	1.25	1.19	1.36
Zambia	2.21	2.56	3.69	4.70	5.81	6.54	7.07	7.30	7.48
Zimbabwe	3.26	3.47	4.01	5.10	5.87	6.52	6.51	6.56	6.61
Other Africa	23.87	24.74	28.97	36.78	47.86	55.12	60.58	62.31	64.12
<b>Africa</b>	<b>119.60</b>	<b>127.82</b>	<b>151.27</b>	<b>196.34</b>	<b>255.68</b>	<b>292.93</b>	<b>321.36</b>	<b>329.45</b>	<b>338.69</b>
Argentina	2.40	2.35	3.45	3.26	5.43	5.20	5.41	5.21	5.38
Bolivia	0.27	0.31	0.83	0.86	0.89	0.96	1.25	1.30	1.97
Brazil	39.32	41.57	51.48	65.56	72.78	92.32	110.29	109.94	116.57
Colombia	5.00	4.09	5.96	7.88	6.19	6.67	7.53	7.06	6.79
Costa Rica	0.66	0.69	0.77	1.03	1.22	2.05	2.35	2.37	2.44
Cuba	4.13	3.90	4.64	7.01	3.89	2.15	1.45	1.55	1.28
Dominican Republic	1.21	1.21	1.33	1.03	1.42	1.66	1.91	1.95	1.94
Ecuador	1.14	1.08	1.06	1.25	1.35	1.16	1.63	1.41	1.39
El Salvador	1.25	1.33	1.91	1.69	2.13	2.50	2.49	2.21	2.26
Guatemala	1.93	2.04	2.37	3.19	4.13	4.44	4.87	5.67	6.88
Haiti	1.38	1.47	1.88	1.25	1.54	1.92	1.99	1.87	1.61
Honduras	1.01	1.06	1.31	1.69	1.52	1.77	2.12	2.19	2.22
Jamaica	0.28	0.25	0.22	0.48	0.59	0.41	0.49	0.53	0.46
Nicaragua	0.74	0.80	0.91	1.49	1.55	1.95	1.69	1.66	1.73
Panama	0.34	0.34	0.53	0.61	0.76	0.77	0.89	0.84	0.84
Paraguay	1.17	1.27	1.61	4.56	6.84	6.57	7.08	6.98	6.95
Peru	3.82	3.92	4.04	3.57	3.68	3.88	3.53	4.21	4.88
Trinidad and Tobago	0.04	0.02	0.03	0.07	0.05	0.04	0.03	0.03	0.01
Uruguay	0.52	0.54	0.77	1.15	1.03	1.02	1.39	1.52	2.04
Venezuela	1.02	1.09	1.81	3.95	6.28	7.57	8.43	8.35	7.56
Other Non-OECD Americas	0.57	0.57	0.74	0.71	0.75	0.87	0.91	0.92	0.92
<b>Non-OECD Americas</b>	<b>68.19</b>	<b>69.89</b>	<b>87.63</b>	<b>112.32</b>	<b>124.03</b>	<b>145.90</b>	<b>167.72</b>	<b>167.75</b>	<b>176.14</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Primary energy supply of renewables (Mtoe)**  
*Approvisionnement primaire en énergies renouvelables (Mtep)*  
*Primärenergieaufkommen von Erneuerbare (Mtoe)*  
*Disponibilità primaria da fonti rinnovabili (Mtep)*  
*再生可能エネルギーの一次供給量 (石油換算百万トン)*  
*Suministro de energía primaria a partir de renovables (Mtep)*  
*Первичная поставка возобновляемой энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	4.47	4.81	5.70	6.94	7.69	8.37	8.67	8.77	8.87
Brunei Darussalam	0.02	0.01	0.01	0.00	-	-	-	-	-
Cambodia*	..	..	..	..	2.72	2.50	2.28	3.60	3.62
Chinese Taipei	0.27	0.29	0.25	0.57	0.85	1.10	1.26	1.21	1.33
India	98.19	102.71	120.46	139.63	155.46	168.39	176.47	178.61	182.02
Indonesia	26.40	27.01	30.38	45.92	58.35	62.64	67.47	69.48	71.65
DPR of Korea	1.47	1.54	1.77	2.30	1.88	2.17	2.27	2.13	2.22
Malaysia	1.54	1.64	1.95	2.73	3.47	3.64	4.05	4.03	3.97
Mongolia*	..	..	..	0.08	0.13	0.17	0.18	0.18	0.15
Myanmar	6.40	6.73	7.64	9.12	9.35	10.43	10.73	10.91	10.97
Nepal	3.60	3.76	4.40	5.50	7.13	8.14	8.63	8.81	8.97
Pakistan	10.95	11.71	14.78	20.22	25.48	29.00	30.20	30.73	31.57
Philippines	7.39	8.00	11.50	16.34	18.77	16.39	16.99	16.70	16.11
Singapore	0.01	0.00	0.01	0.03	0.08	0.16	0.18	0.18	0.20
Sri Lanka	2.81	2.85	3.21	4.19	4.74	4.92	5.03	5.11	5.54
Thailand	7.78	8.07	10.76	15.11	15.13	17.68	20.87	21.32	23.08
Vietnam	8.31	8.69	10.27	12.93	15.44	16.25	16.96	17.30	17.08
Other Asia	1.17	1.22	2.74	3.68	4.90	5.07	5.53	5.46	5.66
<b>Asia</b>	<b>180.76</b>	<b>189.05</b>	<b>225.83</b>	<b>285.30</b>	<b>331.58</b>	<b>357.02</b>	<b>377.75</b>	<b>384.54</b>	<b>393.02</b>
People's Rep. of China	156.82	164.99	184.94	211.34	225.30	242.12	262.58	269.43	280.20
Hong Kong, China	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
<b>China</b>	<b>156.87</b>	<b>165.04</b>	<b>184.99</b>	<b>211.39</b>	<b>225.36</b>	<b>242.18</b>	<b>262.64</b>	<b>269.48</b>	<b>280.26</b>
Albania	0.44	0.47	0.63	0.61	0.65	0.69	0.55	0.66	0.86
Armenia*	..	..	..	0.14	0.11	0.15	0.16	0.18	0.22
Azerbaijan*	..	..	..	0.06	0.13	0.26	0.19	0.20	0.30
Belarus*	..	..	..	0.21	0.82	1.13	1.30	1.34	1.47
Bosnia and Herzegovina*	..	..	..	0.43	0.62	0.70	0.60	0.72	0.87
Bulgaria	0.45	0.46	0.52	0.33	0.78	1.10	0.97	1.09	1.43
Croatia*	..	..	..	0.64	0.88	0.90	0.79	0.95	1.13
Cyprus	0.01	0.01	0.01	0.01	0.05	0.05	0.10	0.10	0.10
Georgia*	..	..	..	1.11	1.16	0.90	1.01	1.06	1.21
Kazakhstan*	..	..	..	0.75	0.72	0.69	0.71	0.66	0.74
Kosovo*	..	..	..	..	0.22	0.23	0.24	0.25	0.25
Kyrgyzstan*	..	..	..	0.86	1.18	1.23	0.93	0.86	0.89
Latvia*	..	..	..	1.05	1.19	1.48	1.38	1.57	1.57
Lithuania*	..	..	..	0.32	0.67	0.88	1.02	1.05	1.06
FYR of Macedonia*	..	..	..	0.04	0.33	0.29	0.25	0.32	0.43
Malta	-	-	-	-	-	0.00	0.00	0.00	0.00
Republic of Moldova*	..	..	..	0.06	0.06	0.07	0.08	0.08	0.08
Montenegro*	..	..	..	..	..	0.18	0.15	0.21	0.26
Romania	1.77	2.02	2.04	1.58	4.04	4.94	5.34	5.27	5.83
Russian Federation*	..	..	..	26.47	18.06	18.70	17.73	18.28	17.70
Serbia*	..	..	..	1.98	1.83	1.84	1.63	1.98	2.05
Tajikistan*	..	..	..	1.42	1.21	1.46	1.36	1.36	1.36
Turkmenistan*	..	..	..	0.06	0.00	0.00	0.00	0.00	0.00
Ukraine*	..	..	..	1.26	1.23	1.33	1.88	2.46	2.61
Uzbekistan*	..	..	..	0.57	0.51	0.74	0.98	0.80	0.93
Former Soviet Union*	30.99	29.99	34.29	x	x	x	x	x	x
Former Yugoslavia*	2.97	2.23	3.08	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>36.63</b>	<b>35.18</b>	<b>40.56</b>	<b>39.96</b>	<b>36.44</b>	<b>39.93</b>	<b>39.34</b>	<b>41.43</b>	<b>43.37</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Primary energy supply of renewables (Mtoe)***Approvisionnement primaire en énergies renouvelables (Mtep)**Primärenergieaufkommen von Erneuerbare (Mtoe)**Disponibilità primaria da fonti rinnovabili (Mtep)**再生可能エネルギーの一次供給量（石油換算百万トン）**Suministro de energía primaria a partir de renovables (Mtep)**Первичная поставка возобновляемой энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Islamic Republic of Iran	0.38	0.39	0.62	0.74	0.47	1.79	0.76	0.95	1.14
Iraq	0.04	0.05	0.09	0.25	0.08	0.54	0.33	0.30	0.44
Jordan	0.00	0.00	0.00	0.06	0.07	0.08	0.12	0.13	0.14
Kuwait	0.01	0.02	0.00	0.01	-	-	-	-	-
Lebanon	0.17	0.14	0.18	0.15	0.17	0.24	0.18	0.19	0.21
Saudi Arabia	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Syrian Arab Republic	0.01	0.00	0.23	0.24	0.28	0.38	0.25	0.17	0.23
United Arab Emirates	-	-	-	-	0.02	0.03	0.03	0.03	0.03
Yemen	0.05	0.05	0.06	0.08	0.08	0.09	0.10	0.10	0.11
<b>Middle East</b>	<b>0.66</b>	<b>0.67</b>	<b>1.18</b>	<b>1.53</b>	<b>1.17</b>	<b>3.15</b>	<b>1.77</b>	<b>1.88</b>	<b>2.28</b>
<b>Non-OECD Total*</b>	<b>562.71</b>	<b>587.65</b>	<b>691.46</b>	<b>846.84</b>	<b>974.25</b>	<b>1 081.11</b>	<b>1 170.58</b>	<b>1 194.53</b>	<b>1 233.75</b>
<i>European Union - 27*</i>	..	..	..	70.72	96.98	116.02	143.62	152.60	172.44
OECD Americas	88.89	96.53	123.90	148.67	167.61	173.33	185.50	186.14	192.21
OECD Asia Oceania	14.12	12.90	16.45	25.89	29.54	30.13	31.34	31.63	33.49
OECD Europe*	59.60	62.72	73.34	93.52	120.58	137.47	166.62	174.80	195.18
<b>OECD Total*</b>	<b>162.61</b>	<b>172.14</b>	<b>213.69</b>	<b>268.08</b>	<b>317.74</b>	<b>340.93</b>	<b>383.46</b>	<b>392.57</b>	<b>420.88</b>
<b>World</b>	<b>725.32</b>	<b>759.79</b>	<b>905.15</b>	<b>1 114.91</b>	<b>1 291.98</b>	<b>1 422.04</b>	<b>1 554.04</b>	<b>1 587.10</b>	<b>1 654.64</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Total primary energy supply excluding biofuels and waste (Mtoe)

*ATEP non compris les biocarburants et les déchets (Mtep)*

*Gesamtaufkommen von Primärenergie, ohne erneuerbare Biokraftstoffe und Abfälle (Mtoe)*

*Disponibilità totale di energia primaria al netto di biocarburanti e rifiuti (Mtep)*

*一次エネルギー供給計 (バイオ燃料及び廃棄物を除く、石油換算百万トン)*

*TPES excluyendo biocombustibles y desechos (Mtep)*

*ОППТЭ исключая биотопливо и отходы (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	3.46	4.82	11.20	22.18	26.94	32.26	37.38	40.67	40.30
Angola	0.66	0.90	0.96	1.56	1.89	2.74	4.60	5.13	5.99
Benin	0.10	0.14	0.14	0.10	0.54	0.83	1.34	1.44	1.60
Botswana*	..	..	..	0.84	1.29	1.47	1.68	1.54	1.78
Cameroon	0.33	0.36	0.69	1.16	1.32	1.41	2.13	2.48	2.68
Congo	0.20	0.20	0.24	0.30	0.23	0.42	0.54	0.68	0.71
Dem. Rep. of Congo	1.11	1.21	1.25	1.80	0.92	1.19	1.47	1.45	1.56
Côte d'Ivoire	0.83	0.95	1.35	1.15	2.51	2.46	2.68	2.35	2.32
Egypt	7.13	7.33	14.37	31.28	39.35	61.30	70.35	69.85	71.70
Eritrea*	..	..	..	..	0.20	0.26	0.13	0.16	0.16
Ethiopia	0.51	0.49	0.54	0.91	1.22	1.72	2.17	2.22	2.21
Gabon	0.58	0.94	0.78	0.44	0.54	0.83	0.90	0.95	1.00
Ghana	0.91	1.07	1.17	1.39	2.42	2.58	3.13	2.90	3.37
Kenya	1.17	1.25	1.62	2.42	2.72	3.52	4.21	4.91	5.33
Libya	1.47	2.49	6.77	11.21	18.48	24.23	24.31	23.18	18.98
Morocco	2.30	2.84	4.61	6.62	9.80	12.61	14.51	14.61	16.02
Mozambique	0.95	0.92	0.78	0.36	0.76	1.44	1.69	1.78	1.88
Namibia*	..	..	..	..	0.81	1.10	1.42	1.37	1.40
Nigeria	2.12	3.24	9.49	14.01	16.56	22.81	21.02	16.76	18.22
Senegal	0.42	0.48	0.68	0.73	1.23	1.60	1.68	1.74	1.81
South Africa	40.73	44.05	59.08	80.54	96.63	114.64	133.71	130.12	122.51
Sudan	1.38	1.49	1.33	1.94	2.48	3.75	4.58	5.06	5.06
United Rep. of Tanzania	0.73	0.81	0.78	0.81	0.93	1.91	2.23	2.18	2.32
Togo	0.12	0.11	0.14	0.22	0.35	0.38	0.43	0.45	0.47
Tunisia	1.24	1.46	2.77	4.31	6.37	7.19	8.18	7.87	8.28
Zambia	1.37	1.66	1.60	1.39	1.10	1.44	1.40	1.45	1.60
Zimbabwe	2.39	2.69	2.83	4.57	4.30	3.68	3.07	3.18	3.34
Other Africa	2.52	2.77	4.04	5.34	7.06	8.81	10.38	10.78	11.15
<b>Africa</b>	<b>74.72</b>	<b>84.68</b>	<b>129.18</b>	<b>197.55</b>	<b>248.96</b>	<b>318.58</b>	<b>361.32</b>	<b>357.26</b>	<b>353.77</b>
Argentina	31.39	33.51	39.67	44.35	58.00	64.70	73.86	72.24	72.15
Bolivia	0.83	0.97	1.71	1.86	3.01	4.38	4.89	5.10	5.54
Brazil	34.16	45.38	73.46	92.45	140.82	152.04	170.14	164.37	184.30
Colombia	9.43	10.54	12.97	18.70	22.38	23.84	25.67	27.29	28.93
Costa Rica	0.56	0.67	0.94	1.29	2.71	3.23	3.75	3.79	3.85
Cuba	6.62	7.18	10.35	10.68	8.98	8.61	9.07	10.16	9.71
Dominican Republic	1.17	1.70	2.16	3.10	6.45	6.18	6.40	6.29	6.56
Ecuador	1.20	1.36	4.05	5.20	7.34	10.41	10.37	10.85	11.45
El Salvador	0.54	0.69	1.11	1.28	2.62	3.08	3.49	3.45	3.42
Guatemala	0.82	0.92	1.44	1.38	3.15	3.87	3.86	4.19	3.90
Haiti	0.13	0.13	0.23	0.35	0.49	0.69	0.80	0.75	0.69
Honduras	0.40	0.45	0.62	0.88	1.66	2.37	2.72	2.50	2.60
Jamaica	1.74	2.67	2.06	2.31	3.25	3.37	3.79	2.73	2.61
Netherlands Antilles*	5.47	5.98	3.93	1.46	1.98	1.95	2.07	2.13	1.68
Nicaragua	0.52	0.62	0.67	0.96	1.30	1.64	1.68	1.68	1.72
Panama	1.34	1.70	0.96	1.07	2.12	2.43	2.57	2.92	3.29
Paraguay	0.21	0.27	0.54	0.84	1.61	1.78	2.04	2.22	2.49
Peru	5.68	6.00	7.82	7.06	9.99	11.38	13.17	13.32	16.24
Trinidad and Tobago	2.60	2.61	3.80	5.92	10.62	16.74	19.32	20.25	21.33
Uruguay	2.02	1.98	2.18	1.71	2.67	2.51	3.15	3.14	2.88
Venezuela	19.13	20.79	35.04	43.01	55.89	65.99	69.21	69.14	75.99
Other Non-OECD Americas	4.24	5.25	5.34	4.29	5.11	5.76	6.16	6.30	6.46
<b>Non-OECD Americas</b>	<b>130.22</b>	<b>151.37</b>	<b>211.06</b>	<b>250.14</b>	<b>352.16</b>	<b>396.94</b>	<b>438.18</b>	<b>434.82</b>	<b>467.76</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Total primary energy supply excluding biofuels and waste (Mtoe)***ATEP non compris les biocarburants et les déchets (Mtep)**Gesamtaufkommen von Primärenergie, ohne erneuerbare Biokraftstoffe und Abfälle (Mtoe)**Disponibilità totale di energia primaria al netto di biocarburanti e rifiuti (Mtep)**一次エネルギー供給計 (バイオ燃料及び廃棄物を除く、石油換算百万トン)**TPES excluyendo biocombustibles y desechos (Mtep)**ОППТЭ исключая биотопливо и отходы (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	1.23	1.57	2.75	5.87	11.00	15.58	19.25	20.79	22.32
Brunei Darussalam	0.16	0.33	1.34	1.76	2.45	2.30	3.63	3.12	3.31
Cambodia*	..	..	..	..	0.69	0.94	1.24	1.31	1.41
Chinese Taipei	10.00	13.11	27.94	48.25	84.73	101.02	104.41	101.19	107.97
India	60.69	64.26	88.69	183.28	308.34	380.30	460.44	507.30	522.51
Indonesia	8.71	11.24	25.45	55.12	106.01	130.15	134.73	146.00	153.81
DPR of Korea	18.73	19.87	29.50	32.27	18.71	20.29	19.11	18.12	17.47
Malaysia	4.64	4.60	10.07	19.16	44.24	60.31	69.60	66.43	69.23
Mongolia*	..	..	..	3.33	2.26	2.46	2.98	3.07	3.13
Myanmar	1.55	1.24	1.85	1.66	3.65	4.64	4.65	3.79	3.46
Nepal	0.07	0.12	0.18	0.36	1.12	1.20	1.21	1.42	1.52
Pakistan	6.41	7.04	10.80	23.90	39.48	49.17	53.80	55.76	55.76
Philippines	7.92	9.31	12.99	17.50	31.77	31.60	33.09	31.12	33.58
Singapore	2.72	3.75	5.13	11.46	18.55	22.14	23.47	27.11	32.37
Sri Lanka	1.06	1.35	1.45	1.60	3.86	4.38	4.27	4.32	4.82
Thailand	6.09	7.70	11.36	27.26	57.68	81.99	87.40	86.60	94.82
Vietnam	4.96	5.30	4.25	5.40	14.55	26.66	34.26	38.73	44.52
Other Asia	2.52	2.80	4.98	3.61	4.03	5.21	6.09	6.93	7.45
<b>Asia</b>	<b>137.47</b>	<b>153.58</b>	<b>238.74</b>	<b>441.80</b>	<b>753.13</b>	<b>940.35</b>	<b>1 063.62</b>	<b>1 123.10</b>	<b>1 179.48</b>
People's Rep. of China	236.23	263.84	418.41	671.71	979.07	1 547.47	1 883.73	2 045.82	2 211.31
Hong Kong, China	2.95	3.12	4.57	8.60	13.34	12.61	14.08	14.88	13.74
<b>China</b>	<b>239.18</b>	<b>266.96</b>	<b>422.98</b>	<b>680.32</b>	<b>992.40</b>	<b>1 560.08</b>	<b>1 897.81</b>	<b>2 060.70</b>	<b>2 225.05</b>
Albania	1.34	1.38	2.70	2.31	1.52	1.98	1.87	1.88	1.87
Armenia*	..	..	..	7.69	2.00	2.50	3.00	2.60	2.44
Azerbaijan*	..	..	..	26.15	11.43	13.85	13.28	11.68	11.84
Belarus*	..	..	..	45.34	23.73	25.61	26.61	25.16	26.00
Bosnia and Herzegovina*	..	..	..	6.85	4.17	4.86	5.77	5.85	6.22
Bulgaria	18.76	20.26	28.19	28.39	18.12	19.20	19.03	16.74	16.94
Croatia*	..	..	..	8.68	7.40	8.53	8.72	8.32	8.14
Cyprus	0.58	0.77	0.86	1.35	2.13	2.20	2.54	2.49	2.40
Georgia*	..	..	..	11.96	2.22	2.49	2.63	2.71	2.76
Gibraltar	0.03	0.03	0.04	0.06	0.13	0.15	0.16	0.16	0.17
Kazakhstan*	..	..	..	73.33	35.61	50.79	70.13	63.26	74.96
Kosovo*	..	..	..	..	1.27	1.64	1.88	2.13	2.20
Kyrgyzstan*	..	..	..	7.48	2.40	2.65	2.73	3.01	2.91
Latvia*	..	..	..	7.22	2.77	3.23	3.37	2.95	3.12
Lithuania*	..	..	..	15.78	6.48	8.00	8.46	7.64	5.93
FYR of Macedonia*	..	..	..	2.48	2.45	2.75	2.84	2.61	2.68
Malta	0.21	0.26	0.32	0.69	0.68	0.88	0.84	0.81	0.84
Republic of Moldova*	..	..	..	9.83	2.45	3.00	2.77	2.37	2.52
Montenegro*	..	..	..	..	..	0.69	0.80	0.62	0.80
Romania	40.74	46.46	64.27	61.62	33.35	35.38	35.64	30.86	30.86
Russian Federation*	..	..	..	867.01	612.37	644.80	682.25	640.55	694.58
Serbia*	..	..	..	18.18	12.51	15.25	16.06	14.18	14.58
Tajikistan*	..	..	..	5.31	2.15	2.34	2.47	2.33	2.31
Turkmenistan*	..	..	..	17.57	14.24	18.19	22.10	19.28	21.31
Ukraine*	..	..	..	249.26	131.47	142.79	135.24	110.91	129.02
Uzbekistan*	..	..	..	46.36	50.74	46.98	50.50	44.92	43.79
Former Soviet Union*	748.18	829.15	1 091.10	x	x	x	x	x	x
Former Yugoslavia*	20.29	22.42	33.05	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>830.13</b>	<b>920.73</b>	<b>1 220.53</b>	<b>1 520.92</b>	<b>983.77</b>	<b>1 060.73</b>	<b>1 121.70</b>	<b>1 026.02</b>	<b>1 111.19</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total primary energy supply excluding biofuels and waste (Mtoe)***ATEP non compris les biocarburants et les déchets (Mtep)**Gesamtaufkommen von Primärenergie, ohne erneuerbare Biokraftstoffe und Abfälle (Mtoe)**Disponibilità totale di energia primaria al netto di biocarburanti e rifiuti (Mtep)**一次エネルギー供給計 (バイオ燃料及び廃棄物を除く、石油換算百万トン)**TPES excluyendo biocombustibles y desechos (Mtep)**ОППТЭ исключая биотопливо и отходы (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	1.41	2.03	2.81	4.35	5.86	7.50	9.24	9.47	9.78
Islamic Republic of Iran	16.46	20.50	37.93	69.12	122.83	171.69	203.49	212.58	208.06
Iraq	4.10	4.63	9.62	19.69	25.91	26.84	28.43	32.47	37.78
Jordan	0.49	0.61	1.52	3.27	4.86	6.67	7.06	7.45	7.20
Kuwait	6.11	7.10	10.45	9.10	18.81	26.40	27.87	30.17	33.40
Lebanon	1.75	2.28	2.37	1.85	4.78	4.88	5.29	6.46	6.33
Oman	0.23	0.10	1.15	4.22	8.08	10.77	15.89	14.91	20.00
Qatar	0.93	1.43	3.33	6.17	10.41	16.81	21.37	23.37	22.51
Saudi Arabia	7.36	7.23	31.10	59.75	101.32	145.54	154.07	157.85	169.29
Syrian Arab Republic	2.38	2.06	4.46	10.46	15.76	20.79	23.05	21.23	21.73
United Arab Emirates	1.01	1.30	7.23	20.42	33.93	43.20	58.30	60.33	62.11
Yemen	0.69	0.92	1.21	2.44	4.66	6.50	7.04	7.26	7.06
<b>Middle East</b>	<b>42.91</b>	<b>50.20</b>	<b>113.17</b>	<b>210.84</b>	<b>357.22</b>	<b>487.58</b>	<b>561.10</b>	<b>583.55</b>	<b>605.25</b>
<b>Non-OECD Total*</b>	<b>1 454.63</b>	<b>1 627.52</b>	<b>2 335.67</b>	<b>3 301.56</b>	<b>3 687.63</b>	<b>4 764.26</b>	<b>5 443.73</b>	<b>5 585.45</b>	<b>5 942.49</b>
<i>European Union - 27*</i>	..	..	..	1 589.71	1 618.89	1 695.05	1 642.43	1 538.89	1 584.64
OECD Americas	1 730.40	1 897.51	2 031.08	2 177.94	2 596.48	2 687.94	2 642.71	2 510.25	2 561.47
OECD Asia Oceania	345.20	411.22	468.01	632.54	837.14	864.69	869.94	849.96	895.65
OECD Europe*	1 213.73	1 344.45	1 458.56	1 565.14	1 676.23	1 757.96	1 724.46	1 627.25	1 685.14
<b>OECD Total*</b>	<b>3 289.33</b>	<b>3 653.19</b>	<b>3 957.65</b>	<b>4 375.62</b>	<b>5 109.86</b>	<b>5 310.58</b>	<b>5 237.12</b>	<b>4 987.46</b>	<b>5 142.27</b>
<b>World marine bunkers</b>	<b>108.24</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>4 908.70</b>	<b>5 462.99</b>	<b>6 470.18</b>	<b>7 877.72</b>	<b>9 068.76</b>	<b>10 390.38</b>	<b>11 026.74</b>	<b>10 905.33</b>	<b>11 439.13</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

**Electricity generation from coal and peat (% of total)***Production d'électricité à partir du charbon et de tourbe (% du total)**Stromerzeugung auf Kohle- und Torfbasis (in %)**Produzione di energia termoelettrica da carbone e torba (% del totale)**石炭及び泥炭からの発電量(%)**Generación de electricidad a partir del carbón y turba (% del total)**Производство электроэнергии за счет потребления угля и торфа (в% к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Botswana*	..	..	..	88.1	97.1	99.3	100.0	100.0	100.0
Morocco	13.4	27.5	19.5	23.0	68.3	66.1	56.2	52.6	49.7
Mozambique	..	..	17.5	13.9	-	-	-	-	-
Namibia*	..	..	..	..	0.4	1.8	31.1	17.5	14.4
Nigeria	..	..	-	0.1	-	-	-	-	-
South Africa	99.8	98.5	99.0	94.3	93.1	94.6	94.2	94.1	94.2
United Rep. of Tanzania	..	..	-	-	2.7	2.7	2.7	3.1	3.1
Zambia	20.3	6.7	0.7	0.5	0.2	0.2	0.0	0.0	0.0
Zimbabwe	32.7	32.6	11.7	53.3	52.5	43.0	49.5	49.5	49.5
Other Africa	..	..	-	10.6	9.3	10.5	13.5	12.7	12.7
<b>Africa</b>	<b>62.2</b>	<b>60.4</b>	<b>54.3</b>	<b>52.2</b>	<b>47.1</b>	<b>44.5</b>	<b>41.9</b>	<b>40.0</b>	<b>39.1</b>
Argentina	3.1	2.4	2.1	1.3	2.0	2.1	2.3	2.3	2.6
Brazil	3.3	2.2	2.5	2.1	3.2	2.7	2.6	2.1	2.2
Colombia	12.7	12.2	7.9	10.2	5.1	4.9	5.4	7.3	6.6
Dominican Republic	..	..	-	1.2	2.7	9.5	13.1	12.9	11.8
Guatemala	..	..	-	-	8.9	13.1	13.0	8.2	13.9
Peru	..	..	-	-	1.7	3.2	2.7	2.4	2.4
<b>Non-OECD Americas</b>	<b>2.9</b>	<b>2.3</b>	<b>2.0</b>	<b>1.9</b>	<b>2.1</b>	<b>2.1</b>	<b>2.2</b>	<b>2.0</b>	<b>2.1</b>
Bangladesh	..	..	-	-	-	0.2	1.8	1.7	1.5
Cambodia*	..	..	..	..	-	-	-	2.2	3.1
Chinese Taipei	12.3	6.9	14.0	27.7	48.9	55.4	53.2	54.7	51.4
India	49.1	49.4	51.5	66.2	68.9	67.6	70.1	68.9	68.0
Indonesia	..	..	-	29.9	36.4	40.7	41.1	41.9	40.1
DPR of Korea	36.0	37.0	48.0	40.1	43.3	39.0	36.0	38.1	35.5
Malaysia	..	..	-	12.7	11.1	24.2	26.8	28.7	34.4
Mongolia*	..	..	..	92.4	97.1	97.0	96.1	96.4	96.0
Myanmar	3.9	2.6	2.0	1.6	-	9.8	9.3	6.8	8.9
Pakistan	1.2	0.8	0.2	0.1	0.4	0.1	0.1	0.1	0.1
Philippines	0.1	0.1	1.0	7.3	36.8	27.0	25.9	26.6	34.4
Thailand	6.1	3.5	9.8	25.0	18.5	15.5	21.6	20.2	18.8
Vietnam	73.3	82.1	39.9	23.1	11.8	22.7	20.1	18.0	20.7
Other Asia	..	..	-	-	1.2	2.2	1.8	1.5	1.5
<b>Asia</b>	<b>31.2</b>	<b>28.8</b>	<b>29.7</b>	<b>41.6</b>	<b>45.6</b>	<b>45.6</b>	<b>47.6</b>	<b>47.4</b>	<b>47.0</b>
People's Rep. of China	70.5	58.6	54.6	71.3	78.3	78.9	79.2	79.1	77.8
Hong Kong, China	..	..	-	98.2	60.4	70.3	68.1	70.8	62.1
<b>China</b>	<b>67.7</b>	<b>56.3</b>	<b>52.4</b>	<b>72.5</b>	<b>77.9</b>	<b>78.8</b>	<b>79.0</b>	<b>79.0</b>	<b>77.6</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from coal and peat (% of total)***Production d'électricité à partir du charbon et de tourbe (% du total)**Stromerzeugung auf Kohle- und Torfbasis (in %)**Produzione di energia termoelettrica da carbone e torba (% del totale)**石炭及び泥炭からの発電量(%)**Generación de electricidad a partir del carbón y turba (% del total)**Производство электроэнергии за счет потребления угля и торфа (в% к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Belarus*	..	..	..	-	-	0.0	0.0	0.0	0.1
Bosnia and Herzegovina*	..	..	..	71.8	50.7	51.3	67.1	59.5	52.5
Bulgaria	81.5	77.3	49.2	50.3	42.3	42.4	52.1	49.8	49.1
Croatia*	..	..	..	6.8	14.6	18.8	20.4	13.1	17.0
Kazakhstan*	..	..	..	71.1	69.5	73.9	76.7	73.8	80.7
Kosovo*	..	..	..	..	97.6	96.9	97.9	97.3	96.5
Kyrgyzstan*	..	..	..	13.1	4.0	3.6	2.5	2.8	2.3
Latvia*	..	..	..	0.9	1.9	-	0.0	0.0	0.0
Lithuania*	..	..	..	-	-	-	0.0	-	-
FYR of Macedonia*	..	..	..	89.7	76.5	78.3	83.8	77.7	65.3
Malta	..	..	..	55.9	-	-	-	-	-
Republic of Moldova*	..	..	..	30.8	4.9	-	-	-	-
Montenegro*	..	..	..	..	..	30.9	39.3	23.6	30.5
Romania	26.2	26.0	31.4	28.8	37.2	37.3	39.8	37.7	34.4
Russian Federation*	..	..	..	14.5	20.0	17.4	18.9	16.6	16.0
Serbia*	..	..	..	69.1	62.8	64.3	72.4	71.3	67.1
Ukraine*	..	..	..	38.2	30.1	26.9	35.6	37.7	36.9
Uzbekistan*	..	..	..	7.4	4.1	4.1	4.1	4.1	4.1
Former Soviet Union*	43.4	42.5	31.5	x	x	x	x	x	x
Former Yugoslavia*	43.3	46.0	42.8	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>43.4</b>	<b>42.4</b>	<b>32.2</b>	<b>22.7</b>	<b>23.7</b>	<b>22.3</b>	<b>25.3</b>	<b>23.6</b>	<b>23.3</b>
Islamic Republic of Iran	0.3	0.5	0.5	0.1	0.4	0.3	0.2	0.2	0.2
<b>Middle East</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>
<b>Non-OECD Total*</b>	<b>41.7</b>	<b>39.3</b>	<b>31.4</b>	<b>31.8</b>	<b>38.9</b>	<b>43.2</b>	<b>46.5</b>	<b>46.8</b>	<b>46.8</b>
<i>European Union - 27*</i>	..	..	..	40.9	32.2	30.6	28.1	26.6	26.0
OECD Americas	41.0	41.4	45.3	47.0	46.7	44.4	43.0	39.7	40.3
OECD Asia Oceania	18.0	15.5	17.2	23.2	33.7	37.6	38.0	38.8	37.9
OECD Europe*	44.5	41.0	43.3	38.7	30.0	28.6	26.1	24.8	24.2
<b>OECD Total*</b>	<b>39.5</b>	<b>37.9</b>	<b>40.9</b>	<b>40.5</b>	<b>39.0</b>	<b>37.9</b>	<b>36.5</b>	<b>34.6</b>	<b>34.5</b>
<b>World</b>	<b>40.1</b>	<b>38.3</b>	<b>37.9</b>	<b>37.4</b>	<b>38.9</b>	<b>40.2</b>	<b>41.1</b>	<b>40.5</b>	<b>40.6</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from oil (% of total)***Production d'électricité à partir du pétrole (% du total)**Stromerzeugung auf Ölbasis (in %)**Produzione di energia termoelettrica da prodotti petroliferi (% del totale)**石油からの発電量 (%)**Generación de electricidad a partir del petróleo (% del total)**Производство электроэнергии за счет потребления нефти (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	46.3	18.2	12.2	5.4	3.0	2.1	2.0	1.6	2.1
Angola	18.5	17.3	11.9	13.8	36.9	20.4	24.6	34.7	32.7
Benin	-	100.0	100.0	100.0	97.6	99.1	98.7	99.2	99.3
Botswana*	..	..	..	11.9	2.9	0.7	-	-	-
Cameroon	2.7	4.5	6.1	1.5	1.1	5.8	15.3	22.2	19.7
Congo	30.7	39.6	35.5	0.6	0.3	-	-	4.3	2.1
Dem. Rep. of Congo	3.0	2.1	4.5	0.4	0.1	0.1	0.2	0.1	0.1
Côte d'Ivoire	76.4	78.9	22.7	33.3	0.3	0.2	0.2	0.2	0.2
Egypt	37.0	36.4	27.7	31.7	28.6	13.6	19.7	21.3	21.1
Eritrea*	..	..	..	..	99.5	99.7	99.3	99.3	99.4
Ethiopia	48.7	43.7	29.8	11.6	1.4	0.4	12.4	11.1	0.6
Gabon	100.0	97.0	50.9	11.2	20.5	31.1	26.8	28.5	30.8
Ghana	1.2	1.0	0.8	-	8.5	17.1	25.6	23.0	16.4
Kenya	39.6	42.7	26.4	7.1	50.6	27.5	35.8	44.1	30.5
Libya	100.0	100.0	100.0	100.0	78.1	71.6	59.0	59.0	59.0
Morocco	20.2	31.0	51.6	64.4	25.6	17.9	24.2	20.2	22.1
Mozambique	66.8	70.2	17.3	23.6	0.4	0.1	0.0	0.0	0.0
Namibia*	..	..	..	..	-	0.3	1.4	0.5	0.6
Nigeria	10.7	17.7	17.7	13.7	1.5	10.3	8.8	12.8	11.3
Senegal	90.1	91.4	94.1	93.0	89.9	79.4	85.8	86.4	86.4
South Africa	-	-	0.0	-	-	0.0	0.1	0.0	0.1
Sudan	50.5	30.0	30.0	36.8	54.0	67.0	73.4	55.4	51.0
United Rep. of Tanzania	37.1	49.1	13.6	4.9	10.9	16.2	0.9	1.0	0.9
Togo	50.3	62.4	25.5	39.9	42.9	59.8	24.4	23.8	23.8
Tunisia	94.4	61.1	64.5	35.5	11.6	1.7	5.0	3.5	0.0
Zambia	5.0	1.3	0.5	0.3	0.4	0.4	0.3	0.3	0.3
Zimbabwe	-	-	-	-	0.9	0.2	0.3	0.3	0.3
Other Africa	67.9	65.2	51.6	40.6	44.7	45.4	46.6	48.5	48.5
<b>Africa</b>	<b>11.7</b>	<b>10.9</b>	<b>12.2</b>	<b>12.9</b>	<b>11.9</b>	<b>9.6</b>	<b>11.8</b>	<b>12.7</b>	<b>12.2</b>
Argentina	67.2	61.6	31.6	9.8	3.2	5.4	11.8	11.7	13.2
Bolivia	10.0	11.6	12.7	8.6	0.8	1.3	1.7	1.7	1.9
Brazil	11.7	7.2	3.8	2.2	4.3	2.9	3.8	3.1	3.1
Colombia	12.7	10.6	1.8	1.0	0.2	0.2	0.3	0.6	0.9
Costa Rica	9.6	15.5	4.3	2.5	0.9	3.3	7.1	4.8	6.7
Cuba	81.5	86.3	89.0	89.6	84.4	84.2	81.7	82.7	83.7
Dominican Republic	49.8	72.9	80.5	88.7	87.9	67.8	65.7	62.1	55.8
Ecuador	58.1	65.4	74.1	21.5	28.3	33.4	28.6	35.4	35.8
El Salvador	29.3	46.3	1.5	6.8	41.9	41.8	38.0	43.7	34.9
Guatemala	58.0	68.7	84.3	8.4	39.4	20.5	27.3	34.1	19.2
Haiti	52.4	21.3	26.1	20.6	48.3	52.3	62.8	71.3	69.8
Honduras	38.1	26.1	13.7	1.7	38.1	66.4	61.9	55.2	53.9
Jamaica	86.3	86.1	76.0	92.4	96.7	96.8	96.1	95.7	93.6
Netherlands Antilles*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Nicaragua	65.2	44.1	47.1	38.6	78.6	65.4	64.5	69.1	63.0
Panama	90.5	91.2	45.6	14.7	29.6	35.7	37.6	43.3	43.0
Paraguay	13.2	9.5	8.5	0.0	-	-	-	-	0.0
Peru	23.9	24.5	27.4	21.5	12.3	6.7	5.5	4.9	5.7
Trinidad and Tobago	3.9	2.0	2.3	0.1	0.1	0.2	0.3	0.3	0.3
Uruguay	38.7	38.7	24.2	5.1	6.6	12.5	39.0	31.0	10.3
Venezuela	9.6	19.1	32.4	11.5	9.0	13.0	12.5	13.0	15.2
Other Non-OECD Americas	62.4	69.9	93.4	92.7	91.9	87.1	84.5	85.0	85.1
<b>Non-OECD Americas</b>	<b>30.4</b>	<b>28.6</b>	<b>23.2</b>	<b>13.1</b>	<b>12.9</b>	<b>12.7</b>	<b>13.3</b>	<b>13.1</b>	<b>12.6</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from oil (% of total)***Production d'électricité à partir du pétrole (% du total)**Stromerzeugung auf Ölbasis (in %)**Produzione di energia termoelettrica da prodotti petroliferi (% del totale)**石油からの発電量 (%)**Generación de electricidad a partir del petróleo (% del total)**Производство электроэнергии за счет потребления нефти (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	43.1	41.7	26.6	4.3	6.5	5.8	5.0	4.8	4.6
Brunei Darussalam	1.6	-	1.2	0.9	0.9	0.9	1.0	1.0	1.0
Cambodia*	..	..	..	..	99.8	93.9	95.8	93.2	92.0
Chinese Taipei	68.2	76.7	59.9	26.5	16.6	6.8	6.1	3.8	4.4
India	6.3	7.0	6.4	3.5	4.3	3.3	2.8	2.5	2.8
Indonesia	56.0	56.5	82.1	46.9	19.7	30.7	28.7	22.7	20.3
DPR of Korea	2.4	5.8	2.0	3.6	4.1	3.6	3.4	2.8	2.6
Malaysia	72.4	76.8	84.9	48.3	5.2	2.7	1.8	3.0	2.9
Mongolia*	..	..	..	7.6	2.9	3.0	3.9	3.6	4.0
Myanmar	23.2	20.7	31.3	10.9	13.5	0.6	0.6	0.4	0.4
Nepal	22.1	22.1	6.5	0.1	1.6	0.6	0.3	0.4	0.1
Pakistan	4.2	3.2	1.1	20.6	39.5	20.3	35.4	38.0	35.2
Philippines	99.9	85.7	67.9	47.2	20.3	10.9	8.0	8.7	10.5
Singapore	100.0	100.0	100.0	98.9	80.0	22.0	15.4	15.4	18.7
Sri Lanka	7.3	31.3	11.3	0.2	54.2	62.8	55.1	60.3	47.5
Thailand	53.6	69.5	81.4	23.5	10.4	6.6	1.1	0.5	0.7
Vietnam	-	-	18.3	15.0	17.0	4.0	2.1	2.5	4.2
Other Asia	59.5	75.2	67.7	45.2	35.6	41.7	28.6	30.1	30.1
<b>Asia</b>	<b>26.7</b>	<b>32.0</b>	<b>31.7</b>	<b>18.2</b>	<b>13.2</b>	<b>8.8</b>	<b>7.8</b>	<b>7.1</b>	<b>7.0</b>
People's Rep. of China	7.9	18.6	25.8	7.8	3.4	2.4	0.7	0.4	0.3
Hong Kong, China	100.0	100.0	100.0	1.8	0.5	0.4	0.4	0.4	0.3
<b>China</b>	<b>11.4</b>	<b>21.8</b>	<b>28.8</b>	<b>7.6</b>	<b>3.3</b>	<b>2.4</b>	<b>0.7</b>	<b>0.4</b>	<b>0.3</b>
Albania	42.9	33.8	20.6	10.9	3.0	1.3	-	0.0	0.0
Armenia*	..	..	..	68.6	-	-	-	-	-
Azerbaijan*	..	..	..	97.0	72.0	27.7	7.9	2.7	0.2
Belarus*	..	..	..	47.8	6.6	2.9	2.7	17.6	2.0
Bosnia and Herzegovina*	..	..	..	7.3	0.5	1.1	0.0	0.2	0.3
Bulgaria	8.2	11.0	22.5	2.9	1.6	1.4	0.6	0.8	0.9
Croatia*	..	..	..	31.6	15.1	15.0	16.2	15.9	4.0
Cyprus	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.1	97.6
Georgia*	..	..	..	29.2	3.7	0.9	0.1	0.5	0.3
Gibraltar	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Kazakhstan*	..	..	..	10.0	5.2	3.9	3.8	1.1	0.8
Kosovo*	..	..	..	..	0.6	0.6	0.6	0.3	0.4
Latvia*	..	..	..	5.4	2.6	0.1	0.0	0.1	0.0
Lithuania*	..	..	..	14.6	5.9	2.8	4.2	5.0	13.0
FYR of Macedonia*	..	..	..	1.8	6.3	0.2	2.9	3.7	0.8
Malta	100.0	100.0	100.0	44.1	100.0	100.0	100.0	100.0	100.0
Republic of Moldova*	..	..	..	25.4	1.0	0.3	0.3	1.4	0.8
Romania	7.0	9.6	9.6	18.4	6.5	3.2	1.1	1.8	1.1
Russian Federation*	..	..	..	11.9	3.8	2.2	1.6	1.6	0.9
Serbia*	..	..	..	4.6	0.9	1.9	0.5	0.3	0.3
Ukraine*	..	..	..	16.1	0.7	0.3	0.4	0.9	0.4
Uzbekistan*	..	..	..	4.4	10.1	6.6	2.9	2.1	1.5
Former Soviet Union*	18.1	21.9	26.0	x	x	x	x	x	x
Former Yugoslavia*	2.9	5.3	8.0	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>17.0</b>	<b>20.7</b>	<b>24.4</b>	<b>14.3</b>	<b>4.9</b>	<b>3.0</b>	<b>2.1</b>	<b>2.3</b>	<b>1.3</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from oil (% of total)***Production d'électricité à partir du pétrole (% du total)**Stromerzeugung auf Ölbasis (in %)**Produzione di energia termoelettrica da prodotti petroliferi (% del totale)**石油からの発電量 (%)**Generación de electricidad a partir del petróleo (% del total)**Производство электроэнергии за счет потребления нефти (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	-	-	-	-	-	-	0.0	-	-
Islamic Republic of Iran	61.4	59.0	49.6	37.1	20.9	15.8	19.4	20.4	19.8
Iraq	92.9	91.8	93.9	89.2	98.1	47.4	41.1	36.0	34.3
Jordan	100.0	100.0	100.0	87.8	89.4	44.4	18.9	11.4	36.4
Kuwait	14.0	9.8	43.9	55.5	67.1	74.9	64.3	71.2	74.6
Lebanon	39.0	73.3	69.1	66.7	95.4	91.6	97.2	93.9	87.7
Oman	100.0	100.0	21.5	18.4	17.2	18.0	18.0	18.0	18.0
Qatar	9.5	9.5	2.7	-	-	-	-	-	-
Saudi Arabia	100.0	100.0	28.3	49.0	54.0	43.5	51.2	55.2	53.9
Syrian Arab Republic	96.2	98.8	31.9	56.0	50.1	50.5	61.7	50.0	39.4
United Arab Emirates	-	-	3.7	3.7	3.1	2.1	1.7	1.8	1.5
Yemen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	73.4
<b>Middle East</b>	<b>62.5</b>	<b>61.5</b>	<b>44.4</b>	<b>46.3</b>	<b>42.9</b>	<b>33.0</b>	<b>34.3</b>	<b>35.1</b>	<b>34.4</b>
<b>Non-OECD Total*</b>	<b>18.9</b>	<b>22.7</b>	<b>25.4</b>	<b>15.3</b>	<b>10.8</b>	<b>7.9</b>	<b>7.0</b>	<b>6.9</b>	<b>6.4</b>
<i>European Union - 27*</i>	..	..	..	8.6	6.0	4.3	3.2	3.0	2.6
OECD Americas	13.0	15.9	11.0	5.5	4.7	4.4	2.5	2.3	2.0
OECD Asia Oceania	54.9	63.7	42.1	24.4	11.5	9.6	8.5	6.2	6.2
OECD Europe*	22.7	25.3	17.8	7.7	5.6	3.9	2.9	2.7	2.2
<b>OECD Total*</b>	<b>21.7</b>	<b>25.4</b>	<b>17.5</b>	<b>9.1</b>	<b>6.1</b>	<b>5.1</b>	<b>3.7</b>	<b>3.1</b>	<b>2.8</b>
<b>World</b>	<b>20.9</b>	<b>24.7</b>	<b>20.0</b>	<b>11.3</b>	<b>7.8</b>	<b>6.3</b>	<b>5.2</b>	<b>4.9</b>	<b>4.6</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from natural gas (% of total)***Production d'électricité à partir du gaz naturel (% du total)**Stromerzeugung auf Erdgasbasis (in %)**Produzione di energia termoelettrica da gas (% del totale)**天然ガスからの発電量 (%)**Generación de electricidad a partir del gas natural (% del total)**Производство электроэнергии за счет потребления газа (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	38.9	55.0	84.1	93.7	96.7	96.2	97.3	97.6	97.5
Cameroon	-	-	-	-	-	-	8.8	7.1	7.1
Congo	8.0	8.3	-	-	-	18.0	18.7	34.5	20.9
Dem. Rep. of Congo	-	-	-	-	-	-	0.4	0.4	0.4
Côte d'Ivoire	-	-	-	-	63.0	72.6	65.1	61.9	71.0
Egypt	-	-	20.5	44.8	53.7	74.3	68.4	68.7	69.0
Gabon	-	-	-	16.4	17.9	16.3	24.2	23.5	25.0
Libya	-	-	-	-	21.9	28.4	41.0	41.0	41.0
Morocco	-	-	-	-	-	10.1	13.8	13.3	9.7
Mozambique	-	-	-	-	0.0	0.1	0.1	0.1	0.1
Nigeria	5.9	11.5	43.5	53.7	60.3	56.7	64.1	64.3	64.3
Senegal	-	-	-	2.3	0.1	2.4	1.7	1.7	1.7
United Rep. of Tanzania	-	-	-	-	-	31.8	36.2	32.8	38.1
Tunisia	-	32.7	34.7	63.7	87.6	96.9	94.5	95.4	98.8
Other Africa	-	-	-	-	-	0.8	0.8	0.8	0.8
<b>Africa</b>	<b>1.1</b>	<b>2.0</b>	<b>7.6</b>	<b>14.3</b>	<b>20.7</b>	<b>27.3</b>	<b>28.6</b>	<b>29.0</b>	<b>30.2</b>
Argentina	22.9	24.5	22.0	39.2	54.7	52.5	52.5	49.2	49.8
Bolivia	2.9	4.4	19.6	38.9	47.7	57.4	57.5	59.7	64.1
Brazil	-	-	-	0.1	1.2	4.7	6.2	2.9	7.1
Colombia	9.3	8.7	19.3	12.4	19.1	14.7	10.3	19.3	20.4
Cuba	-	-	0.5	0.2	8.7	12.6	14.4	13.4	13.0
Dominican Republic	-	-	-	-	-	7.6	11.9	13.5	21.0
Ecuador	-	-	-	-	-	11.4	9.2	11.0	12.6
Peru	0.3	0.5	1.9	1.7	4.0	17.8	31.2	31.7	34.1
Trinidad and Tobago	92.5	95.4	96.5	99.0	99.6	99.5	99.5	99.4	99.7
Uruguay	-	-	-	-	-	0.0	0.1	0.2	0.7
Venezuela	50.7	43.1	26.9	26.2	17.3	13.8	14.7	15.1	19.9
Other Non-OECD Americas	-	-	-	0.2	4.7	7.9	9.6	9.0	9.0
<b>Non-OECD Americas</b>	<b>11.2</b>	<b>10.3</b>	<b>8.3</b>	<b>9.2</b>	<b>11.4</b>	<b>13.3</b>	<b>14.6</b>	<b>13.2</b>	<b>15.9</b>
Bangladesh	39.9	34.7	48.6	84.3	87.5	89.1	89.0	89.4	89.9
Brunei Darussalam	98.4	100.0	98.8	99.1	99.1	99.1	99.0	99.0	99.0
Chinese Taipei	-	-	-	1.4	9.7	16.5	19.7	19.6	23.5
India	0.6	0.5	0.5	3.4	10.0	10.8	10.3	12.8	12.3
Indonesia	-	-	-	2.2	28.0	15.0	16.9	22.2	23.6
Malaysia	-	-	1.2	21.7	73.6	66.9	63.8	61.0	56.5
Myanmar	3.9	6.6	13.2	39.3	49.5	39.8	28.6	17.3	23.0
Pakistan	44.7	40.4	40.5	33.6	32.0	44.0	32.4	29.4	27.4
Philippines	-	-	-	-	0.0	29.8	32.2	32.1	28.8
Singapore	-	-	-	-	18.5	75.6	82.1	82.1	78.7
Thailand	-	-	-	40.2	64.2	72.3	70.7	72.4	74.8
Vietnam	-	-	-	0.1	16.4	41.7	42.3	43.4	45.9
Other Asia	-	-	-	-	3.6	3.1	3.9	4.0	4.0
<b>Asia</b>	<b>3.3</b>	<b>2.8</b>	<b>3.1</b>	<b>9.0</b>	<b>21.2</b>	<b>26.4</b>	<b>25.8</b>	<b>27.3</b>	<b>27.6</b>
People's Rep. of China	-	-	0.2	0.4	0.4	0.5	0.9	1.4	1.6
Hong Kong, China	-	-	-	-	39.1	29.3	31.5	28.9	37.6
<b>China</b>	<b>-</b>	<b>-</b>	<b>0.2</b>	<b>0.4</b>	<b>1.3</b>	<b>0.9</b>	<b>1.2</b>	<b>1.6</b>	<b>2.0</b>



**Electricity generation from natural gas (% of total)***Production d'électricité à partir du gaz naturel (% du total)**Stromerzeugung auf Erdgasbasis (in %)**Produzione di energia termoelettrica da gas (% del totale)**天然ガスからの発電量 (%)**Generación de electricidad a partir del gas natural (% del total)**Производство электроэнергии за счет потребления газа (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Armenia*	..	..	..	16.4	45.2	28.9	26.2	20.3	22.2
Azerbaijan*	..	..	..	-	19.8	58.1	81.7	85.1	81.4
Belarus*	..	..	..	52.1	93.3	96.8	96.9	81.7	97.1
Bosnia and Herzegovina*	..	..	..	-	-	-	-	0.4	0.3
Bulgaria	-	-	-	7.6	4.7	3.9	5.3	4.6	4.3
Croatia*	..	..	..	20.3	14.8	14.7	20.1	17.4	18.2
Georgia*	..	..	..	15.6	17.4	13.3	15.1	12.9	7.2
Kazakhstan*	..	..	..	10.5	10.7	10.7	10.2	16.3	8.9
Kyrgyzstan*	..	..	..	23.5	10.4	9.5	7.1	8.0	6.7
Latvia*	..	..	..	26.1	27.3	30.3	39.0	36.0	45.1
Lithuania*	..	..	..	23.8	14.5	20.9	15.2	14.3	63.8
FYR of Macedonia*	..	..	..	-	0.0	0.0	-	0.0	0.3
Republic of Moldova*	..	..	..	42.3	92.4	98.1	97.4	97.1	97.0
Romania	55.4	48.3	40.2	35.1	17.3	16.2	15.3	13.2	12.1
Russian Federation*	..	..	..	47.3	42.3	46.2	47.6	47.4	50.2
Serbia*	..	..	..	3.2	1.1	0.9	1.1	0.5	0.9
Tajikistan*	..	..	..	9.1	1.6	0.7	2.1	2.0	3.4
Turkmenistan*	..	..	..	95.2	99.9	100.0	100.0	100.0	100.0
Ukraine*	..	..	..	16.7	17.5	18.4	11.4	6.6	8.3
Uzbekistan*	..	..	..	76.4	73.3	71.7	70.0	75.2	73.5
Former Soviet Union*	19.1	18.5	20.6	x	x	x	x	x	x
Former Yugoslavia*	0.8	1.9	2.1	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>19.6</b>	<b>18.8</b>	<b>20.2</b>	<b>37.1</b>	<b>35.1</b>	<b>37.8</b>	<b>38.5</b>	<b>37.8</b>	<b>39.7</b>
Bahrain	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Islamic Republic of Iran	5.3	17.1	24.8	52.5	75.7	74.8	78.0	76.0	75.9
Iraq	-	-	-	-	-	32.9	49.4	56.9	56.2
Jordan	-	-	-	11.9	10.1	54.9	80.6	88.1	63.1
Kuwait	86.0	90.2	56.1	44.5	32.9	25.1	35.7	28.8	25.4
Lebanon	-	-	-	-	-	-	-	1.6	7.0
Oman	-	-	78.5	81.6	82.8	82.0	82.0	82.0	82.0
Qatar	90.5	90.5	97.3	100.0	100.0	100.0	100.0	100.0	100.0
Saudi Arabia	-	-	71.7	51.0	46.0	56.5	48.8	44.8	46.1
Syrian Arab Republic	-	-	3.4	20.5	37.1	37.1	31.3	45.7	55.0
United Arab Emirates	100.0	100.0	96.3	96.3	96.9	97.9	98.3	98.2	98.5
Yemen	-	-	-	-	-	-	-	-	26.6
<b>Middle East</b>	<b>18.3</b>	<b>25.2</b>	<b>43.7</b>	<b>48.3</b>	<b>55.1</b>	<b>62.2</b>	<b>64.0</b>	<b>63.1</b>	<b>63.4</b>
<b>Non-OECD Total*</b>	<b>14.1</b>	<b>13.5</b>	<b>14.5</b>	<b>22.8</b>	<b>21.0</b>	<b>21.7</b>	<b>20.8</b>	<b>20.5</b>	<b>21.0</b>
<i>European Union - 27*</i>	..	..	..	7.4	16.0	20.2	23.5	22.9	22.9
OECD Americas	21.0	16.9	13.6	10.6	14.8	17.8	20.5	22.3	23.1
OECD Asia Oceania	1.6	2.4	12.1	17.1	18.8	18.9	22.9	22.9	24.4
OECD Europe*	5.5	7.4	6.7	6.3	15.9	20.5	23.9	23.6	23.5
<b>OECD Total*</b>	<b>13.0</b>	<b>11.6</b>	<b>10.9</b>	<b>10.1</b>	<b>15.8</b>	<b>18.9</b>	<b>22.1</b>	<b>22.8</b>	<b>23.4</b>
<b>World</b>	<b>13.3</b>	<b>12.1</b>	<b>12.0</b>	<b>14.6</b>	<b>17.7</b>	<b>20.1</b>	<b>21.5</b>	<b>21.7</b>	<b>22.2</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from nuclear energy (% of total)***Production d'électricité à partir d'énergie nucléaire (% du total)**Stromerzeugung auf Kernkraftbasis (in %)**Produzione di energia nucleotermoelettrica (% del totale)**原子力からの発電量 (%)**Generación de electricidad a partir de energía nuclear (% del total)**Производство атомной электроэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
South Africa	-	-	-	5.1	6.3	4.7	5.1	5.2	4.7
<b>Africa</b>	-	-	-	<b>2.7</b>	<b>2.9</b>	<b>2.0</b>	<b>2.1</b>	<b>2.0</b>	<b>1.8</b>
Argentina	-	-	5.9	14.3	6.9	6.5	6.0	6.7	5.7
Brazil	-	-	-	1.0	1.7	2.4	3.0	2.8	2.8
<b>Non-OECD Americas</b>	-	-	<b>0.8</b>	<b>1.9</b>	<b>1.6</b>	<b>1.9</b>	<b>2.1</b>	<b>2.1</b>	<b>2.0</b>
Chinese Taipei	-	-	19.2	37.2	21.3	17.9	17.4	18.4	17.1
India	1.8	3.3	2.5	2.1	3.0	2.5	1.8	2.1	2.7
Pakistan	1.4	3.6	0.0	0.8	2.9	2.6	1.8	3.0	3.6
<b>Asia</b>	<b>1.0</b>	<b>1.7</b>	<b>4.1</b>	<b>6.3</b>	<b>4.6</b>	<b>3.7</b>	<b>3.1</b>	<b>3.2</b>	<b>3.4</b>
People's Rep. of China	-	-	-	-	1.2	2.1	2.0	1.9	1.8
<b>China</b>	-	-	-	-	<b>1.2</b>	<b>2.1</b>	<b>1.9</b>	<b>1.9</b>	<b>1.7</b>
Armenia*	..	..	..	-	33.7	43.0	42.7	44.0	38.4
Bulgaria	-	-	17.7	34.8	44.7	42.4	35.4	36.0	33.1
Lithuania*	..	..	..	60.0	75.7	71.7	74.2	74.1	-
Romania	-	-	-	-	10.5	9.3	17.3	20.4	19.3
Russian Federation*	..	..	..	10.9	14.9	15.7	15.7	16.5	16.4
Ukraine*	..	..	..	25.5	45.2	47.7	46.7	47.8	47.3
Former Soviet Union*	0.8	1.3	5.6	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>0.7</b>	<b>1.2</b>	<b>5.4</b>	<b>11.9</b>	<b>16.9</b>	<b>17.4</b>	<b>17.2</b>	<b>17.7</b>	<b>17.0</b>
<b>Non-OECD Total*</b>	<b>0.5</b>	<b>0.9</b>	<b>3.5</b>	<b>6.8</b>	<b>6.0</b>	<b>5.4</b>	<b>4.8</b>	<b>4.7</b>	<b>4.4</b>
<i>European Union - 27*</i>	..	..	..	31.0	31.5	30.5	28.1	28.2	27.6
OECD Americas	2.3	4.6	10.6	18.0	18.0	17.6	17.7	18.2	17.7
OECD Asia Oceania	1.7	1.7	11.6	22.2	26.5	25.1	22.0	23.3	22.4
OECD Europe*	3.6	4.6	11.2	29.6	29.1	28.1	25.6	25.6	25.4
<b>OECD Total*</b>	<b>2.7</b>	<b>4.2</b>	<b>11.0</b>	<b>22.7</b>	<b>23.1</b>	<b>22.4</b>	<b>21.1</b>	<b>21.6</b>	<b>21.1</b>
<b>World</b>	<b>2.1</b>	<b>3.3</b>	<b>8.6</b>	<b>17.0</b>	<b>16.8</b>	<b>15.2</b>	<b>13.5</b>	<b>13.4</b>	<b>12.9</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from hydro energy (% of total)***Production d'électricité à partir d'énergie hydraulique (% du total)**Stromerzeugung auf Wasserkraftbasis (in %)**Produzione di energia idroelettrica (% del totale)**水力からの発電量 (%)**Generación de electricidad a partir de energía hidráulica (% del total)**Производство гидроэлектрoэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	14.8	26.8	3.6	0.8	0.2	1.6	0.7	0.8	0.4
Angola	81.5	82.7	88.1	86.2	63.1	79.6	75.4	65.3	67.3
Benin	-	-	-	-	2.4	0.9	-	-	-
Cameroon	97.3	95.5	93.9	98.5	98.9	94.2	74.5	69.4	72.2
Congo	61.4	52.1	64.5	99.4	99.7	82.0	81.3	61.2	76.9
Dem. Rep. of Congo	97.0	97.9	95.5	99.6	100.0	99.9	99.4	99.6	99.6
Côte d'Ivoire	23.6	21.1	77.3	66.7	36.8	25.3	32.7	36.1	27.0
Egypt	63.0	63.6	51.8	23.5	17.5	11.6	11.2	9.3	8.9
Ethiopia	51.3	56.3	70.2	88.4	98.3	99.6	87.3	88.3	99.0
Gabon	-	3.0	49.1	72.1	61.1	52.2	48.7	47.6	43.8
Ghana	98.8	99.0	99.2	100.0	91.5	82.9	74.4	77.0	83.6
Kenya	46.6	45.3	65.0	76.6	31.6	50.5	42.1	31.6	45.7
Morocco	66.4	41.5	28.9	12.7	5.6	4.9	4.5	12.0	15.5
Mozambique	33.2	29.8	65.2	62.6	99.5	99.8	99.9	99.9	99.9
Namibia*	..	..	..	..	99.6	97.9	67.5	82.0	84.9
Nigeria	83.4	70.8	38.8	32.6	38.2	33.0	27.1	22.9	24.4
Senegal	-	-	-	-	-	10.5	9.5	8.4	8.4
South Africa	0.2	1.5	1.0	0.6	0.5	0.6	0.5	0.6	0.8
Sudan	49.5	70.0	70.0	63.2	46.0	33.0	26.6	44.6	49.0
United Rep. of Tanzania	62.9	50.9	86.4	95.1	86.4	49.2	60.1	63.1	58.0
Togo	49.7	37.6	74.5	60.1	57.1	39.2	74.0	74.6	74.6
Tunisia	5.6	6.2	0.8	0.8	0.6	1.1	0.2	0.5	0.3
Zambia	74.7	92.0	98.9	99.2	99.4	99.4	99.7	99.7	99.7
Zimbabwe	67.3	67.4	88.3	46.7	46.6	56.8	50.2	50.2	50.2
Other Africa	32.1	34.8	48.4	48.8	46.0	43.2	38.4	37.3	37.3
<b>Africa</b>	<b>24.8</b>	<b>26.6</b>	<b>25.8</b>	<b>17.8</b>	<b>17.0</b>	<b>16.1</b>	<b>15.1</b>	<b>15.6</b>	<b>15.9</b>
Argentina	6.5	11.2	38.1	35.2	32.4	32.2	25.0	27.8	26.8
Bolivia	86.3	83.0	65.7	51.1	50.1	40.1	39.7	37.5	31.7
Brazil	83.8	89.4	92.5	92.8	87.2	83.7	79.8	83.9	78.2
Colombia	65.4	68.5	69.9	75.6	74.4	79.1	82.9	71.8	71.1
Costa Rica	89.5	84.0	95.2	97.5	82.2	79.5	78.0	77.6	75.8
Cuba	2.2	1.1	1.0	0.6	0.6	0.4	0.8	0.9	0.6
Dominican Republic	50.2	23.6	17.1	9.4	8.9	15.1	9.1	11.3	11.3
Ecuador	41.9	34.6	25.9	78.5	71.7	54.8	59.4	51.2	48.8
El Salvador	70.7	53.7	64.8	74.3	34.8	34.6	33.9	26.0	34.8
Guatemala	38.3	26.9	12.9	78.6	41.7	48.6	42.3	27.8	37.3
Haiti	32.9	68.9	70.1	76.5	51.7	47.7	37.2	28.7	30.2
Honduras	61.9	73.9	86.3	98.3	61.9	30.8	35.0	42.7	44.0
Jamaica	7.5	4.5	7.2	3.6	1.7	2.0	2.6	2.5	3.6
Nicaragua	33.2	54.7	51.1	27.7	8.9	14.2	15.9	8.6	13.8
Panama	9.2	8.7	53.2	83.2	69.9	63.9	61.2	55.7	56.0
Paraguay	69.8	79.9	85.9	99.9	100.0	100.0	100.0	100.0	100.0
Peru	72.0	71.6	69.9	75.8	81.2	70.9	59.0	59.6	55.8
Uruguay	60.9	61.0	75.6	94.2	92.9	87.0	51.3	59.3	80.2
Venezuela	39.7	37.9	40.7	62.3	73.7	73.2	72.8	71.9	64.9
Other Non-OECD Americas	34.2	27.2	5.9	6.8	3.2	4.7	5.6	5.7	5.6
<b>Non-OECD Americas</b>	<b>53.8</b>	<b>57.3</b>	<b>64.3</b>	<b>72.4</b>	<b>70.1</b>	<b>67.4</b>	<b>64.6</b>	<b>65.8</b>	<b>62.9</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from hydro energy (% of total)***Production d'électricité à partir d'énergie hydraulique (% du total)**Stromerzeugung auf Wasserkraftbasis (in %)**Produzione di energia idroelettrica (% del totale)**水力からの発電量 (%)**Generación de electricidad a partir de energía hidráulica (% del total)**Производство гидроэлектрoэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	17.0	23.6	24.8	11.4	6.0	4.9	4.2	4.1	3.9
Cambodia*	..	..	..	..	-	4.6	2.9	2.9	2.6
Chinese Taipei	19.5	16.4	6.9	7.2	2.5	1.8	1.8	1.7	1.7
India	42.2	39.8	39.0	24.8	13.3	14.6	13.1	11.5	11.9
Indonesia	44.0	43.5	17.9	17.5	10.7	8.4	7.7	7.3	10.4
DPR of Korea	61.6	57.2	50.0	56.3	52.6	57.3	60.6	59.1	61.9
Malaysia	27.6	23.2	13.9	17.3	10.1	6.3	7.6	6.0	5.2
Myanmar	69.0	70.2	53.5	48.1	37.0	49.8	61.5	75.5	67.7
Nepal	77.9	77.9	93.5	99.9	98.4	99.4	99.7	99.6	99.9
Pakistan	48.6	52.0	58.2	44.9	25.2	32.9	30.3	29.4	33.7
Philippines	-	14.2	19.6	23.0	17.2	14.8	16.2	15.8	11.5
Sri Lanka	92.7	68.7	88.7	99.8	45.6	37.0	44.7	39.5	52.3
Thailand	40.3	27.0	8.8	11.3	6.3	4.4	4.8	4.8	3.5
Vietnam	26.7	17.9	41.8	61.8	54.8	31.6	35.4	36.0	29.0
Other Asia	40.3	24.7	32.2	54.5	58.1	51.7	64.6	63.3	63.3
<b>Asia</b>	<b>37.8</b>	<b>34.7</b>	<b>30.6</b>	<b>23.7</b>	<b>13.5</b>	<b>13.5</b>	<b>13.2</b>	<b>12.4</b>	<b>12.4</b>
People's Rep. of China	21.7	22.8	19.4	20.4	16.4	15.9	16.8	16.5	17.2
<b>China</b>	<b>20.8</b>	<b>21.9</b>	<b>18.6</b>	<b>19.5</b>	<b>16.0</b>	<b>15.6</b>	<b>16.6</b>	<b>16.3</b>	<b>17.0</b>
Albania	57.1	66.2	79.4	89.1	97.0	98.7	100.0	100.0	100.0
Armenia*	..	..	..	15.0	21.2	28.1	31.1	35.6	39.4
Azerbaijan*	..	..	..	3.0	8.2	14.2	10.3	12.2	18.4
Belarus*	..	..	..	0.1	0.1	0.1	0.1	0.1	0.1
Bosnia and Herzegovina*	..	..	..	20.9	48.8	47.6	32.8	39.8	46.9
Bulgaria	10.3	11.7	10.7	4.5	6.6	9.9	6.3	8.2	11.0
Croatia*	..	..	..	41.3	55.5	51.3	42.7	53.0	59.5
Georgia*	..	..	..	55.2	78.9	85.8	84.7	86.6	92.5
Kazakhstan*	..	..	..	8.4	14.7	11.6	9.3	8.7	9.7
Kosovo*	..	..	..	..	1.8	2.5	1.5	2.4	3.0
Kyrgyzstan*	..	..	..	63.5	85.6	86.9	90.4	89.3	91.0
Latvia*	..	..	..	67.6	68.2	67.8	58.9	62.1	53.1
Lithuania*	..	..	..	1.5	3.1	3.1	3.0	2.9	10.8
FYR of Macedonia*	..	..	..	8.5	17.2	21.5	13.3	18.6	33.5
Republic of Moldova*	..	..	..	1.6	1.7	1.6	2.3	1.6	2.2
Montenegro*	..	..	..	..	..	57.9	46.9	71.0	66.0
Romania	11.4	16.1	18.7	17.7	28.5	34.0	26.5	26.9	32.4
Russian Federation*	..	..	..	15.3	18.7	18.2	15.9	17.6	16.1
Serbia*	..	..	..	23.1	35.1	33.0	26.0	27.9	31.8
Tajikistan*	..	..	..	90.9	98.4	99.3	97.9	98.0	96.6
Turkmenistan*	..	..	..	4.8	0.1	0.0	0.0	0.0	0.0
Ukraine*	..	..	..	3.5	6.6	6.6	5.9	6.9	7.0
Uzbekistan*	..	..	..	11.8	12.5	17.5	23.0	18.7	21.0
Former Soviet Union*	15.7	13.4	14.3	x	x	x	x	x	x
Former Yugoslavia*	53.0	46.8	47.2	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>16.7</b>	<b>14.7</b>	<b>15.9</b>	<b>14.0</b>	<b>19.2</b>	<b>19.3</b>	<b>16.6</b>	<b>18.2</b>	<b>18.3</b>
Islamic Republic of Iran	33.1	23.5	25.1	10.3	3.0	9.0	2.3	3.3	4.1
Iraq	7.1	8.2	6.1	10.8	1.9	19.7	9.5	7.1	9.5
Jordan	-	-	-	0.3	0.5	0.6	0.4	0.4	0.4
Lebanon	61.0	26.7	30.9	33.3	4.6	8.4	2.8	4.5	5.3
Syrian Arab Republic	3.8	1.2	64.7	23.5	12.8	12.4	7.0	4.3	5.6
<b>Middle East</b>	<b>19.1</b>	<b>13.1</b>	<b>11.8</b>	<b>5.4</b>	<b>1.9</b>	<b>4.7</b>	<b>1.6</b>	<b>1.7</b>	<b>2.2</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from hydro energy (% of total)***Production d'électricité à partir d'énergie hydraulique (% du total)**Stromerzeugung auf Wasserkraftbasis (in %)**Produzione di energia idroelettrica (% del totale)**水力からの発電量 (%)**Generación de electricidad a partir de energía hidráulica (% del total)**Производство гидроэлектроэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
<b>Non-OECD Total*</b>	<b>23.0</b>	<b>22.1</b>	<b>23.9</b>	<b>23.0</b>	<b>22.5</b>	<b>21.0</b>	<b>19.8</b>	<b>19.8</b>	<b>19.7</b>
<i>European Union - 27*</i>	..	..	..	11.1	11.8	9.3	9.8	10.3	11.0
OECD Americas	22.7	21.1	19.3	15.8	13.6	13.3	13.1	13.6	12.7
OECD Asia Oceania	23.5	16.4	16.5	11.6	8.1	6.6	6.1	6.3	6.3
OECD Europe*	23.1	21.2	20.3	16.8	17.0	14.0	14.5	14.9	15.4
<b>OECD Total*</b>	<b>22.9</b>	<b>20.5</b>	<b>19.3</b>	<b>15.5</b>	<b>13.8</b>	<b>12.4</b>	<b>12.3</b>	<b>12.8</b>	<b>12.4</b>
<b>World</b>	<b>22.9</b>	<b>21.0</b>	<b>20.7</b>	<b>18.1</b>	<b>17.0</b>	<b>16.1</b>	<b>15.8</b>	<b>16.2</b>	<b>16.0</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total electricity generation (GWh)***Production totale d'électricité (GWh)**Gesamte Stromerzeugung (GWh)**Produzione totale di energia elettrica (GWh)**総発電量 (GWh)**Generación total de electricidad (GWh)**Общее производство электроэнергии (ГВт. ч)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	2 229	2 806	7 123	16 104	25 412	33 915	40 236	38 195	45 560
Angola	742	984	675	841	1 445	2 786	4 156	4 735	5 256
Benin	-	9	10	21	84	107	229	128	150
Botswana*	..	..	..	906	947	867	631	550	457
Cameroon	1 075	1 118	1 453	2 697	3 480	4 004	5 681	5 783	5 899
Congo	88	96	155	493	296	433	461	539	559
Dem. Rep. of Congo	3 545	3 848	4 445	5 650	5 999	7 397	7 525	7 831	7 884
Côte d'Ivoire	588	796	1 749	1 983	4 800	5 684	5 800	5 905	5 993
Egypt	7 998	8 106	18 939	42 256	78 143	108 690	131 040	139 000	146 795
Eritrea*	..	..	..	..	210	288	287	295	311
Ethiopia	593	591	689	1 202	1 674	2 845	3 777	3 992	4 980
Gabon	114	165	530	978	1 315	1 557	1 837	1 860	1 847
Ghana	2 944	3 910	5 317	5 721	7 223	6 788	8 323	8 935	8 365
Kenya	728	901	1 630	3 235	4 194	5 990	6 770	6 870	7 501
Libya	508	1 147	4 800	10 169	15 496	22 317	28 667	30 426	31 613
Morocco	2 290	2 875	5 247	9 628	12 863	19 911	20 824	21 371	22 308
Mozambique	674	641	462	454	9 696	13 285	15 127	16 963	16 666
Namibia*	..	..	..	..	1 325	1 585	2 097	1 742	1 488
Nigeria	1 887	2 625	7 169	13 463	14 727	23 539	21 110	19 777	26 121
Senegal	382	442	676	945	1 604	2 544	2 401	2 858	2 977
South Africa	54 647	64 390	98 951	165 385	207 837	242 055	255 519	246 815	256 648
Sudan	495	610	817	1 515	2 569	3 826	5 506	7 239	7 842
United Rep. of Tanzania	491	582	792	1 628	2 480	3 613	4 414	4 164	4 440
Togo	153	101	51	158	175	189	123	126	130
Tunisia	926	1 179	2 924	5 811	10 596	12 661	14 363	15 252	16 096
Zambia	1 216	3 368	9 300	8 013	7 798	8 936	9 696	10 415	11 307
Zimbabwe	3 602	5 172	4 541	9 362	6 995	10 269	7 002	7 422	8 091
Other Africa	2 511	3 037	5 153	7 380	11 856	14 284	15 990	16 329	16 928
<b>Africa</b>	<b>90 426</b>	<b>109 499</b>	<b>183 598</b>	<b>315 998</b>	<b>441 239</b>	<b>560 365</b>	<b>619 592</b>	<b>625 517</b>	<b>664 212</b>
Argentina	23 624	26 661	39 706	50 740	88 910	105 491	121 604	121 919	125 263
Bolivia	1 040	1 171	1 619	2 311	3 880	4 896	5 817	6 121	6 884
Brazil	51 579	64 727	139 381	222 821	348 910	403 033	462 861	466 031	515 745
Colombia	10 193	11 590	20 446	36 357	43 125	50 337	55 953	57 189	56 792
Costa Rica	1 148	1 347	2 226	3 468	6 919	8 260	9 475	9 311	9 584
Cuba	5 020	5 708	9 989	15 024	15 032	15 342	17 677	17 728	17 397
Dominican Republic	1 068	2 246	3 258	3 698	8 539	12 623	15 172	14 982	15 912
Ecuador	1 050	1 256	3 372	6 349	10 612	12 569	19 010	18 022	17 688
El Salvador	738	917	1 460	2 218	3 377	4 830	6 019	5 788	5 980
Guatemala	678	865	1 818	2 186	6 048	7 822	8 717	9 039	8 832
Haiti	82	122	314	597	547	556	486	721	587
Honduras	391	486	906	2 319	3 652	5 579	6 537	6 552	6 734
Jamaica	1 676	2 187	1 676	2 458	6 606	7 422	6 008	5 541	4 194
Netherlands Antilles*	710	775	850	790	1 121	1 248	1 242	1 298	1 289
Nicaragua	612	678	1 005	1 457	2 351	3 051	3 361	3 453	3 659
Panama	899	1 179	1 812	2 661	4 887	5 827	6 492	6 996	7 492
Paraguay	235	378	767	27 185	53 492	51 166	55 464	54 959	54 066
Peru	5 951	6 660	10 031	13 808	19 914	25 499	32 430	32 929	35 890
Trinidad and Tobago	991	1 105	2 035	3 577	5 459	7 058	7 683	7 735	8 487
Uruguay	2 411	2 551	4 600	7 444	7 588	7 682	8 769	8 867	10 811
Venezuela	13 589	16 445	35 803	59 321	85 271	105 492	119 297	119 581	118 272
Other Non-OECD Americas	3 197	3 741	17 896	22 220	32 441	37 346	36 450	36 639	37 419
<b>Non-OECD Americas</b>	<b>126 882</b>	<b>152 795</b>	<b>300 970</b>	<b>489 009</b>	<b>758 681</b>	<b>883 129</b>	<b>1 006 524</b>	<b>1 011 401</b>	<b>1 068 977</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Total electricity generation (GWh)

*Production totale d'électricité (GWh)*

*Gesamte Stromerzeugung (GWh)*

*Produzione totale di energia elettrica (GWh)*

*総発電量 (GWh)*

*Generación total de electricidad (GWh)*

*Общее производство электроэнергии (ГВт. ч)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	1 030	1 404	2 353	7 732	15 771	26 506	34 957	37 862	42 347
Brunei Darussalam	250	246	343	1 172	2 543	3 264	3 423	3 612	3 862
Cambodia*	..	..	..	..	448	964	1 479	1 256	994
Chinese Taipei	15 811	20 735	42 607	88 398	180 552	223 523	234 846	226 389	243 935
India	66 384	72 796	119 260	289 438	561 248	698 248	841 712	906 818	959 916
Indonesia	1 756	2 370	7 502	32 667	93 325	127 370	149 437	156 799	169 785
DPR of Korea	14 860	16 580	21 200	27 700	19 400	22 913	23 206	21 093	21 673
Malaysia	3 795	4 773	10 049	23 016	69 255	82 673	97 801	116 440	125 288
Mongolia*	..	..	..	3 471	3 000	3 512	4 145	4 180	4 481
Myanmar	691	821	1 487	2 478	5 118	6 016	6 622	6 964	7 543
Nepal	86	104	217	878	1 659	2 533	2 812	3 115	3 207
Pakistan	7 572	8 377	14 974	37 673	68 125	93 832	91 626	95 400	94 453
Philippines	9 145	13 186	18 009	26 327	45 290	56 567	60 821	61 921	67 728
Singapore	2 585	3 719	6 991	15 714	31 665	38 214	41 716	41 799	45 369
Sri Lanka	900	1 031	1 668	3 150	7 004	9 324	9 242	9 882	10 764
Thailand	5 083	6 971	14 426	44 176	95 977	132 197	147 426	148 389	159 518
Vietnam	2 300	2 350	3 559	8 681	26 561	53 656	73 396	83 175	94 903
Other Asia	2 261	3 505	7 154	8 426	13 768	16 702	20 566	20 810	22 249
<b>Asia</b>	<b>134 509</b>	<b>158 968</b>	<b>271 799</b>	<b>621 097</b>	<b>1 240 709</b>	<b>1 598 014</b>	<b>1 845 233</b>	<b>1 945 904</b>	<b>2 078 015</b>
People's Rep. of China	138 400	166 800	300 630	621 204	1 356 235	2 502 477	3 481 978	3 742 095	4 208 261
Hong Kong, China	5 574	6 799	12 634	28 938	31 331	38 451	37 994	38 732	38 295
<b>China</b>	<b>143 974</b>	<b>173 599</b>	<b>313 264</b>	<b>650 142</b>	<b>1 387 566</b>	<b>2 540 928</b>	<b>3 519 972</b>	<b>3 780 827</b>	<b>4 246 556</b>
Albania	1 225	1 702	3 715	3 198	4 738	5 443	3 797	5 207	7 580
Armenia*	..	..	..	10 362	5 958	6 317	5 770	5 671	6 491
Azerbaijan*	..	..	..	23 200	18 699	21 218	21 643	18 869	18 710
Belarus*	..	..	..	39 526	26 101	30 961	35 048	30 376	34 895
Bosnia and Herzegovina*	..	..	..	14 632	10 429	12 602	14 823	15 668	17 124
Bulgaria	21 016	21 956	34 835	42 141	40 646	43 972	44 584	42 381	46 017
Croatia*	..	..	..	9 208	10 590	12 354	12 216	12 691	13 999
Cyprus	665	830	1 034	1 974	3 370	4 377	5 078	5 233	5 380
Georgia*	..	..	..	13 724	7 424	7 267	8 453	8 558	10 124
Gibraltar*	47	49	54	79	125	145	166	174	177
Kazakhstan*	..	..	..	87 379	51 324	67 847	80 327	78 710	82 646
Kosovo*	..	..	..	..	2 957	4 458	5 162	4 976	5 168
Kyrgyzstan*	..	..	..	15 732	15 983	16 415	11 877	11 100	11 350
Latvia*	..	..	..	6 648	4 136	4 906	5 274	5 569	6 627
Lithuania*	..	..	..	28 405	11 121	14 415	13 327	14 643	4 994
FYR of Macedonia*	..	..	..	5 758	6 811	6 945	6 311	6 828	7 258
Malta	305	365	527	1 100	1 917	2 240	2 312	2 168	2 113
Republic of Moldova*	..	..	..	16 221	3 356	3 846	3 561	3 524	3 553
Montenegro*	..	..	..	..	..	3 225	3 282	2 917	4 169
Romania	39 454	46 779	67 486	64 309	51 934	59 413	64 956	57 741	60 259
Russian Federation*	..	..	..	1 082 152	876 468	951 159	1 038 431	990 045	1 036 116
Serbia*	..	..	..	40 948	34 140	36 474	36 831	37 719	37 423
Tajikistan*	..	..	..	18 146	14 247	17 090	16 147	16 117	16 410
Turkmenistan*	..	..	..	14 610	9 845	12 820	15 040	15 980	16 660
Ukraine*	..	..	..	298 626	171 269	185 913	192 456	173 619	188 584
Uzbekistan*	..	..	..	56 325	46 864	49 200	49 400	49 950	51 710
Former Soviet Union*	800 400	914 600	1 294 000	x	x	x	x	x	x
Former Yugoslavia*	29 509	35 062	59 716	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>892 621</b>	<b>1 021 343</b>	<b>1 461 367</b>	<b>1 894 403</b>	<b>1 430 452</b>	<b>1 581 022</b>	<b>1 696 272</b>	<b>1 616 434</b>	<b>1 695 537</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total electricity generation (GWh)***Production totale d'électricité (GWh)**Gesamte Stromerzeugung (GWh)**Produzione totale di energia elettrica (GWh)**総発電量 (GWh)**Generación total de electricidad (GWh)**Общее производство электроэнергии (ГВт. ч)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	430	500	1 660	3 482	6 297	8 867	11 933	12 056	13 230
Islamic Republic of Iran	8 105	12 093	22 380	59 102	121 369	178 088	214 530	221 370	232 955
Iraq	2 800	3 519	11 383	24 000	31 900	30 400	36 838	45 607	50 167
Jordan	230	315	1 070	3 638	7 375	9 654	13 838	14 272	14 779
Kuwait	2 623	3 651	9 023	18 477	32 323	43 734	51 749	53 216	57 029
Lebanon	1 375	1 791	2 752	1 500	9 757	12 433	13 356	13 771	15 712
Oman	13	47	818	4 501	9 111	12 648	15 829	17 823	19 819
Qatar	315	420	2 416	4 818	9 134	14 396	21 616	24 796	28 144
Saudi Arabia	2 082	2 949	20 452	69 208	126 191	176 124	204 200	217 082	240 067
Syrian Arab Republic	1 345	1 423	3 960	11 611	25 217	34 935	41 023	43 308	46 413
United Arab Emirates	203	720	6 306	17 080	39 944	60 698	86 260	90 573	97 728
Yemen	209	206	503	1 663	3 413	4 768	6 546	6 744	7 757
<b>Middle East</b>	<b>19 730</b>	<b>27 634</b>	<b>82 723</b>	<b>219 080</b>	<b>422 031</b>	<b>586 745</b>	<b>717 718</b>	<b>760 618</b>	<b>823 800</b>
<b>Non-OECD Total*</b>	<b>1 408 142</b>	<b>1 643 838</b>	<b>2 613 721</b>	<b>4 189 729</b>	<b>5 680 678</b>	<b>7 750 203</b>	<b>9 405 311</b>	<b>9 740 701</b>	<b>10 577 097</b>
<i>European Union - 27*</i>	..	..	..	2 567 792	2 996 677	3 274 932	3 339 646	3 172 281	3 315 350
OECD Americas	1 964 776	2 281 456	2 879 311	3 819 063	4 875 736	5 191 227	5 305 486	5 101 070	5 293 598
OECD Asia Oceania	469 602	571 874	740 004	1 148 333	1 629 282	1 797 650	1 863 335	1 837 876	1 952 385
OECD Europe*	1 402 515	1 618 194	2 048 911	2 661 873	3 224 794	3 511 283	3 627 235	3 453 845	3 608 386
<b>OECD Total*</b>	<b>3 836 893</b>	<b>4 471 524</b>	<b>5 668 226</b>	<b>7 629 269</b>	<b>9 729 812</b>	<b>10 500 160</b>	<b>10 796 056</b>	<b>10 392 791</b>	<b>10 854 369</b>
<b>World</b>	<b>5 245 035</b>	<b>6 115 362</b>	<b>8 281 947</b>	<b>11 818 998</b>	<b>15 410 490</b>	<b>18 250 363</b>	<b>20 201 367</b>	<b>20 133 492</b>	<b>21 431 466</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Electricity generation from renewables (% of total)***Production d'électricité d'origine renouvelable (% du total)**Stromerzeugung auf Erneuerbarebasis (in %)**Produzione di elettricità da fonti rinnovabili (% del totale)**再生可能エネルギーによる発電量(%)**Generación de electricidad a partir de renovables (% del total)**Производство возобновляемой электроэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	14.80	26.80	3.61	0.84	0.21	1.64	0.70	0.80	0.38
Angola	81.54	82.72	88.15	86.21	63.11	79.65	75.41	65.34	67.26
Benin	-	-	-	-	2.38	0.93	1.31	0.78	0.67
Cameroon	97.30	95.53	93.94	98.48	98.91	94.21	75.85	70.67	73.22
Congo	61.36	52.08	64.52	99.39	99.66	81.99	81.34	61.22	76.92
Dem. Rep. of Congo	96.95	97.92	95.46	99.56	99.95	99.91	99.39	99.55	99.56
Côte d'Ivoire	23.64	21.11	77.30	66.67	36.75	27.22	34.76	37.90	28.82
Egypt	63.03	63.61	51.75	23.50	17.70	12.14	11.91	10.07	9.90
Eritrea*	..	..	..	..	0.48	0.35	0.70	0.68	0.64
Ethiopia	51.26	56.35	70.25	88.35	98.63	99.58	87.64	88.88	99.38
Gabon	-	3.03	49.06	72.39	61.60	52.60	49.05	48.01	44.18
Ghana	98.81	99.03	99.23	100.00	91.51	82.93	74.43	76.97	83.62
Kenya	60.44	57.27	73.62	92.86	49.36	72.54	64.17	55.91	69.51
Morocco	66.38	41.46	28.87	12.67	6.08	5.95	5.89	13.85	18.50
Mozambique	33.23	29.80	65.15	62.56	99.55	99.84	99.91	99.92	99.89
Namibia*	..	..	..	..	99.62	97.92	67.48	82.03	84.95
Nigeria	83.41	70.78	38.82	32.59	38.22	33.00	27.10	22.90	24.40
Senegal	9.95	8.60	5.92	4.66	3.30	12.66	10.87	10.22	10.21
South Africa	0.21	1.53	1.00	0.61	0.68	0.68	0.62	0.72	0.96
Sudan	49.49	70.00	70.01	63.23	46.05	32.96	26.57	44.59	48.99
United Rep. of Tanzania	62.93	50.86	86.36	95.15	86.37	49.21	60.13	63.14	57.97
Togo	49.67	37.62	74.51	60.13	57.14	40.21	75.61	76.19	76.15
Tunisia	5.62	6.19	0.82	0.79	0.82	1.48	0.48	1.15	1.17
Zambia	74.67	91.95	98.86	99.23	99.38	99.41	99.69	99.69	99.70
Zimbabwe	67.32	67.42	88.26	46.67	46.60	56.81	50.23	50.24	50.23
Other Africa	32.10	34.80	48.44	48.82	46.08	43.24	39.07	37.93	37.93
<b>Africa</b>	<b>24.99</b>	<b>26.70</b>	<b>25.92</b>	<b>18.01</b>	<b>17.29</b>	<b>16.52</b>	<b>15.66</b>	<b>16.21</b>	<b>16.59</b>
Argentina	6.78	11.44	38.38	35.44	33.16	33.53	27.33	30.08	28.59
Bolivia	87.12	84.03	67.63	52.44	51.52	41.28	40.78	38.59	34.02
Brazil	84.95	90.60	93.78	94.50	89.49	87.12	84.26	88.99	84.72
Colombia	65.37	68.50	70.98	76.38	75.52	80.17	83.99	72.83	72.09
Costa Rica	90.42	84.48	95.69	97.52	99.15	96.72	92.85	95.16	93.31
Cuba	18.47	13.68	10.52	10.25	6.87	3.18	3.96	3.89	3.24
Dominican Republic	50.19	27.07	19.52	10.14	9.37	15.15	9.31	11.49	11.42
Ecuador	41.90	34.63	25.86	78.55	71.70	55.16	62.17	53.64	51.57
El Salvador	70.73	53.65	98.49	93.19	58.07	58.16	61.99	56.34	65.08
Guatemala	42.04	31.33	15.73	91.63	51.72	66.39	59.77	57.79	66.89
Haiti	47.56	78.69	73.89	79.40	51.74	47.66	37.24	28.71	30.15
Honduras	61.89	73.87	86.31	98.28	61.91	33.64	38.06	44.84	46.11
Jamaica	13.66	13.90	23.99	7.57	3.30	3.21	3.91	4.28	6.41
Nicaragua	34.80	55.90	52.94	61.36	21.40	34.61	35.53	30.90	37.00
Panama	9.45	8.82	54.42	85.27	70.43	64.30	62.45	56.68	56.95
Paraguay	86.81	90.48	91.53	99.97	100.00	100.00	100.00	100.00	100.00
Peru	75.84	75.06	70.73	76.80	81.99	72.32	60.58	61.07	57.87
Trinidad and Tobago	3.53	2.62	1.28	0.87	0.37	0.31	0.26	0.25	-
Uruguay	61.30	61.35	75.83	94.95	93.38	87.50	60.91	68.74	88.97
Venezuela	39.66	37.85	40.74	62.34	73.75	73.21	72.79	71.89	64.92
Other Non-OECD Americas	37.57	30.13	6.65	7.18	3.47	4.99	5.86	5.98	5.90
<b>Non-OECD Americas</b>	<b>55.46</b>	<b>58.82</b>	<b>65.79</b>	<b>73.91</b>	<b>71.88</b>	<b>69.85</b>	<b>67.75</b>	<b>69.47</b>	<b>67.25</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from renewables (% of total)***Production d'électricité d'origine renouvelable (% du total)**Stromerzeugung auf Erneuerbarebasis (in %)**Produzione di elettricità da fonti rinnovabili (% del totale)**再生可能エネルギーによる発電量(%)**Generación de electricidad a partir de renovables (% del total)**Производство возобновляемой электроэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	16.99	23.58	24.78	11.43	6.00	4.88	4.22	4.10	3.92
Cambodia*	..	..	..	..	0.22	6.12	4.19	4.62	4.93
Chinese Taipei	19.55	16.39	6.87	7.22	3.11	2.65	2.94	2.88	3.00
India	42.22	39.81	39.04	24.77	13.81	15.79	14.97	13.68	14.21
Indonesia	44.02	43.46	17.93	20.92	15.96	13.62	13.31	13.23	15.98
DPR of Korea	61.64	57.18	50.00	56.32	52.58	57.31	60.62	59.09	61.87
Malaysia	27.56	23.21	13.89	17.33	10.06	6.28	7.63	7.23	6.19
Myanmar	69.03	70.16	53.53	48.14	36.97	49.82	61.48	75.47	67.68
Nepal	77.91	77.88	93.55	99.89	98.37	99.37	99.68	99.58	99.91
Pakistan	48.59	51.99	58.19	44.93	25.24	32.89	30.32	29.45	33.68
Philippines	-	14.22	31.09	45.42	42.89	32.37	33.92	32.59	26.29
Singapore	-	-	-	0.54	0.77	1.20	1.26	1.27	1.29
Sri Lanka	92.67	68.67	88.67	99.84	45.80	37.21	44.90	39.71	52.53
Thailand	40.29	26.97	8.82	11.26	6.81	5.54	6.60	6.89	5.61
Vietnam	26.70	17.87	41.81	61.85	54.78	31.67	35.48	36.12	29.09
Other Asia	40.51	24.82	32.30	54.84	59.57	52.97	65.71	64.43	64.42
<b>Asia</b>	<b>37.85</b>	<b>34.66</b>	<b>31.37</b>	<b>24.88</b>	<b>15.23</b>	<b>15.33</b>	<b>15.45</b>	<b>14.83</b>	<b>14.86</b>
People's Rep. of China	21.68	22.78	19.36	20.40	16.62	16.05	17.31	17.25	18.30
Hong Kong, China	-	-	-	-	-	-	0.00	0.00	0.00
<b>China</b>	<b>20.84</b>	<b>21.89</b>	<b>18.58</b>	<b>19.49</b>	<b>16.25</b>	<b>15.81</b>	<b>17.12</b>	<b>17.07</b>	<b>18.14</b>
Albania	57.14	66.22	79.41	89.06	96.96	98.71	100.00	99.98	99.99
Armenia*	..	..	..	15.01	21.16	28.07	31.18	35.67	39.49
Azerbaijan*	..	..	..	3.02	8.20	14.18	10.31	12.25	18.42
Belarus*	..	..	..	0.05	0.10	0.12	0.21	0.35	0.37
Bosnia and Herzegovina*	..	..	..	20.90	48.84	47.60	32.83	39.82	46.87
Bulgaria	10.33	11.71	10.66	4.46	6.58	9.87	6.61	8.77	12.58
Croatia*	..	..	..	41.32	55.47	51.46	43.20	53.65	60.73
Cyprus	-	-	-	-	-	0.02	0.28	0.19	1.34
Georgia*	..	..	..	55.21	78.93	85.81	84.73	86.61	92.52
Kazakhstan*	..	..	..	8.43	14.67	11.58	9.29	8.74	9.71
Kosovo*	..	..	..	..	1.76	2.51	1.47	2.41	3.04
Kyrgyzstan*	..	..	..	63.48	85.61	86.87	90.43	89.28	91.01
Latvia*	..	..	..	67.63	68.25	69.59	60.90	63.85	54.85
Lithuania*	..	..	..	1.46	3.06	3.19	4.52	4.67	18.24
FYR of Macedonia*	..	..	..	8.53	17.18	21.48	13.31	18.60	33.47
Republic of Moldova*	..	..	..	1.58	1.73	1.64	2.30	1.56	2.22
Montenegro*	..	..	..	..	..	57.86	46.89	71.00	65.96
Romania	11.39	16.13	18.73	17.74	28.46	34.02	26.52	26.94	33.09
Russian Federation*	..	..	..	15.34	18.73	18.20	15.91	17.64	16.12
Serbia*	..	..	..	23.13	35.15	32.99	25.97	27.95	31.77
Tajikistan*	..	..	..	90.93	98.44	99.28	97.85	98.03	96.56
Turkmenistan*	..	..	..	4.79	0.05	0.02	0.02	0.02	0.02
Ukraine*	..	..	..	3.52	6.59	6.67	5.94	7.04	7.15
Uzbekistan*	..	..	..	11.80	12.54	17.54	23.00	18.68	20.96
Former Soviet Union*	18.58	15.86	16.36	x	x	x	x	x	x
Former Yugoslavia*	53.01	46.76	47.16	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>19.24</b>	<b>16.91</b>	<b>17.74</b>	<b>14.02</b>	<b>19.20</b>	<b>19.36</b>	<b>16.70</b>	<b>18.34</b>	<b>18.45</b>
Islamic Republic of Iran	33.05	23.50	25.11	10.29	3.04	9.08	2.42	3.37	4.16
Iraq	7.14	8.24	6.06	10.83	1.92	19.74	9.46	7.08	9.50
Jordan	-	-	-	0.33	0.57	0.67	0.53	0.48	0.48
Lebanon	61.02	26.69	30.89	33.33	4.60	8.41	2.79	4.52	5.34
Syrian Arab Republic	3.79	1.19	64.67	23.50	12.81	12.38	6.99	4.31	5.58
<b>Middle East</b>	<b>19.10</b>	<b>13.13</b>	<b>11.75</b>	<b>5.44</b>	<b>1.90</b>	<b>4.71</b>	<b>1.67</b>	<b>1.74</b>	<b>2.18</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity generation from renewables (% of total)***Production d'électricité d'origine renouvelable (% du total)**Stromerzeugung auf Erneuerbarebasis (in %)**Produzione di elettricità da fonti rinnovabili (% del totale)**再生可能エネルギーによる発電量 (%)**Generación de electricidad a partir de renovables (% del total)**Производство возобновляемой электроэнергии (в % к общему производству)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
<b>Non-OECD Total*</b>	<b>24.81</b>	<b>23.64</b>	<b>25.17</b>	<b>23.32</b>	<b>23.22</b>	<b>21.80</b>	<b>20.86</b>	<b>21.02</b>	<b>21.17</b>
<i>European Union - 27*</i>	..	..	..	11.88	13.83	13.82	16.59	18.55	20.14
OECD Americas	22.70	21.25	19.55	18.55	15.54	15.54	16.07	17.22	16.67
OECD Asia Oceania	23.79	16.72	16.88	12.87	9.43	8.52	8.33	8.62	8.83
OECD Europe*	23.68	21.71	20.84	17.52	18.99	18.26	20.92	22.68	24.01
<b>OECD Total*</b>	<b>23.19</b>	<b>20.84</b>	<b>19.67</b>	<b>17.33</b>	<b>15.66</b>	<b>15.25</b>	<b>16.36</b>	<b>17.51</b>	<b>17.70</b>
<b>World</b>	<b>23.63</b>	<b>21.59</b>	<b>21.40</b>	<b>19.46</b>	<b>18.44</b>	<b>18.03</b>	<b>18.46</b>	<b>19.21</b>	<b>19.41</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption (GWh)**  
*Consommation d'électricité (GWh)*  
*Elektrizitätsverbrauch (GWh)*  
*Consumo finale di energia elettrica (GWh)*  
*電力消費量 (GWh)*  
*Consumo de electricidad (GWh)*  
*Потребление электроэнергии (ГВт. ч)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	1 991	2 494	6 349	13 693	21 211	29 524	32 900	30 304	36 402
Angola	556	738	506	630	1 234	2 124	3 740	4 261	4 730
Benin	32	58	103	174	399	589	751	786	878
Botswana*	..	..	..	990	1 592	2 666	2 956	2 989	3 184
Cameroon	1 019	1 079	1 346	2 345	2 719	3 306	5 143	5 243	5 319
Congo	77	91	148	410	299	425	543	600	588
Dem. Rep. of Congo	3 337	3 630	3 978	4 530	4 549	4 901	6 114	6 668	6 277
Côte d'Ivoire	517	669	1 469	1 913	2 863	3 154	3 836	4 056	4 137
Egypt	7 216	7 282	16 544	38 049	67 246	95 308	116 207	123 448	130 437
Eritrea*	..	..	..	..	172	242	242	260	272
Ethiopia	552	551	635	1 082	1 507	2 560	3 419	3 613	4 502
Gabon	112	162	526	873	1 081	1 261	1 503	1 521	1 512
Ghana	2 764	3 668	4 601	4 780	6 332	5 337	6 207	6 580	7 264
Kenya	909	1 067	1 707	2 930	3 525	4 879	5 716	5 813	6 321
Libya	398	900	3 606	6 996	11 904	19 692	24 606	26 116	27 135
Morocco	2 047	2 594	4 735	8 910	14 110	19 323	23 247	23 865	24 957
Mozambique	476	559	432	548	2 225	9 243	10 327	10 363	10 379
Namibia*	..	..	..	..	2 236	2 945	3 828	3 534	3 376
Nigeria	1 637	2 122	4 997	8 291	9 109	17 959	19 121	18 617	21 624
Senegal	324	374	575	780	1 005	1 777	1 932	2 373	2 428
South Africa	50 768	59 870	100 499	155 988	205 950	222 019	240 764	230 121	240 085
Sudan	373	491	702	1 282	2 170	3 042	4 303	5 657	6 127
United Rep. of Tanzania	424	503	684	1 303	1 980	2 703	3 564	3 266	3 491
Togo	140	128	171	343	469	614	638	657	679
Tunisia	803	1 036	2 567	5 206	9 480	10 951	12 382	13 411	14 241
Zambia	4 411	5 174	6 070	6 123	6 224	8 214	7 578	7 524	8 055
Zimbabwe	3 560	4 962	6 995	9 028	10 668	12 504	12 740	12 801	12 850
Other Africa	2 524	3 068	4 873	7 082	11 537	13 697	15 289	15 580	16 151
<b>Africa</b>	<b>86 967</b>	<b>103 270</b>	<b>174 818</b>	<b>284 279</b>	<b>403 796</b>	<b>500 959</b>	<b>569 596</b>	<b>570 027</b>	<b>603 401</b>
Argentina	21 214	24 111	34 693	42 534	77 016	93 671	111 235	110 523	117 375
Bolivia	760	832	1 414	1 827	3 501	4 367	5 187	5 458	6 121
Brazil	44 832	56 717	122 705	217 658	331 639	375 195	428 251	426 030	464 700
Colombia	9 086	9 932	17 143	28 852	33 511	38 776	43 759	47 726	46 867
Costa Rica	1 148	1 347	2 226	3 344	5 971	7 376	8 432	8 342	8 643
Cuba	4 486	5 023	8 274	12 847	12 661	13 008	14 869	14 979	14 629
Dominican Republic	1 068	1 955	2 561	2 791	6 258	11 821	13 461	13 306	14 317
Ecuador	903	1 080	2 873	4 918	8 051	10 469	15 335	15 908	15 261
El Salvador	639	807	1 256	1 857	3 621	4 579	5 298	5 206	5 296
Guatemala	666	851	1 700	1 857	3 850	6 068	7 430	7 691	8 163
Haiti	59	99	233	414	303	343	229	352	244
Honduras	354	426	775	1 823	3 211	4 274	5 179	5 032	5 098
Jamaica	1 552	1 969	1 430	2 100	6 043	6 568	5 347	5 134	3 303
Netherlands Antilles*	603	658	722	678	976	1 048	1 043	1 090	1 083
Nicaragua	558	585	844	1 278	1 748	2 243	2 674	2 735	2 739
Panama	821	1 042	1 530	2 058	3 838	4 846	5 657	6 057	6 444
Paraguay	207	278	769	2 130	4 706	5 006	6 250	6 697	7 319
Peru	5 405	6 021	8 729	11 925	17 627	23 118	29 772	30 180	32 145
Trinidad and Tobago	991	1 105	2 035	3 278	5 060	6 669	7 515	7 566	7 907
Uruguay	2 063	1 990	2 927	3 870	6 743	6 650	8 666	8 944	9 275
Venezuela	12 343	14 469	30 658	48 643	64 536	76 405	86 369	86 644	94 766
Other Non-OECD Americas	3 134	3 646	17 719	21 921	30 918	35 039	34 049	34 239	34 966
<b>Non-OECD Americas</b>	<b>112 892</b>	<b>134 943</b>	<b>263 216</b>	<b>418 603</b>	<b>631 788</b>	<b>737 539</b>	<b>846 007</b>	<b>849 839</b>	<b>906 661</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Electricity consumption (GWh)

Consumption d'électricité (GWh)

Elektrizitätsverbrauch (GWh)

Consumo finale di energia elettrica (GWh)

電力消費量 (GWh)

Consumo de electricidad (GWh)

Потребление электроэнергии (ГВт. ч)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	710	1 042	1 522	5 136	13 354	24 540	33 268	36 997	41 466
Brunei Darussalam	238	235	328	1 119	2 514	3 149	3 259	3 394	3 494
Cambodia*	..	..	..	..	398	886	1 591	1 803	2 065
Chinese Taipei	14 520	18 913	39 821	84 852	176 151	218 326	229 729	220 281	237 333
India	55 522	59 853	97 898	234 293	407 477	519 703	662 247	712 497	754 612
Indonesia	1 692	1 965	6 808	29 484	82 580	113 133	134 343	141 751	153 832
DPR of Korea	13 463	15 021	19 201	25 111	16 334	19 292	19 538	17 759	18 247
Malaysia	3 464	4 347	9 090	20 867	63 716	73 828	89 500	109 334	116 937
Mongolia*	..	..	..	3 376	2 580	3 256	3 891	3 825	4 217
Myanmar	553	666	1 162	1 823	3 516	3 664	4 701	4 993	6 290
Nepal	74	74	186	665	1 408	1 984	2 226	2 606	2 777
Pakistan	5 584	6 389	10 619	29 865	51 579	71 067	72 439	76 607	79 269
Philippines	8 688	12 562	17 703	22 347	38 945	49 750	53 141	54 422	59 942
Singapore	2 440	3 507	6 562	15 184	30 513	36 290	39 610	38 853	42 171
Sri Lanka	735	881	1 425	2 624	5 536	7 820	7 758	8 441	9 277
Thailand	4 568	6 485	13 766	40 131	91 160	125 259	140 077	140 492	155 069
Vietnam	1 794	1 833	2 930	6 476	22 904	47 781	69 215	78 919	89 941
Other Asia	2 175	3 391	6 696	6 550	9 884	13 098	16 355	17 538	18 751
<b>Asia</b>	<b>116 220</b>	<b>137 164</b>	<b>235 717</b>	<b>529 903</b>	<b>1 020 549</b>	<b>1 332 826</b>	<b>1 582 888</b>	<b>1 670 512</b>	<b>1 795 690</b>
People's Rep. of China	127 177	153 274	276 340	579 584	1 254 232	2 325 647	3 255 388	3 504 893	3 937 923
Hong Kong, China	5 250	6 008	10 919	23 833	36 302	40 051	40 933	41 494	41 866
<b>China</b>	<b>132 427</b>	<b>159 282</b>	<b>287 259</b>	<b>603 417</b>	<b>1 290 534</b>	<b>2 365 698</b>	<b>3 296 321</b>	<b>3 546 387</b>	<b>3 979 789</b>
Albania	1 164	1 363	3 054	1 717	4 438	5 186	4 768	5 379	5 673
Armenia*	..	..	..	9 633	3 983	4 536	4 854	4 783	4 967
Azerbaijan*	..	..	..	18 500	16 423	20 203	17 884	14 499	14 518
Belarus*	..	..	..	44 637	29 902	31 363	33 174	31 360	33 821
Bosnia and Herzegovina*	..	..	..	13 112	7 616	8 998	11 212	10 803	11 693
Bulgaria	19 571	23 131	35 213	41 488	30 014	31 901	35 024	33 379	33 727
Croatia*	..	..	..	14 296	12 572	15 440	17 197	16 439	16 848
Cyprus	615	774	970	1 863	3 182	4 213	4 925	5 044	5 160
Georgia*	..	..	..	14 594	6 419	7 479	7 241	6 992	7 761
Gibraltar	45	47	52	74	125	145	166	174	177
Kazakhstan*	..	..	..	96 535	47 174	60 771	73 498	71 570	77 170
Kosovo*	..	..	..	..	2 647	3 700	4 621	4 506	4 705
Kyrgyzstan*	..	..	..	10 234	9 360	9 475	7 649	7 460	7 490
Latvia*	..	..	..	9 046	4 930	6 218	6 996	6 482	6 775
Lithuania*	..	..	..	14 878	8 808	10 589	11 941	11 457	10 750
FYR of Macedonia*	..	..	..	5 325	5 892	6 952	7 600	7 079	7 399
Malta	305	365	527	1 000	1 682	1 984	1 980	1 829	1 727
Republic of Moldova*	..	..	..	11 958	3 657	5 516	4 742	3 554	3 737
Montenegro*	..	..	..	..	..	3 993	4 020	3 179	3 503
Romania	33 395	39 732	63 883	67 856	44 609	50 430	53 518	48 690	51 287
Russian Federation*	..	..	..	989 579	762 070	828 118	913 506	870 331	915 650
Serbia*	..	..	..	35 113	31 559	29 182	31 546	30 926	31 782
Tajikistan*	..	..	..	17 746	13 437	14 594	14 165	13 459	13 788
Turkmenistan*	..	..	..	8 410	7 642	9 755	11 434	11 786	12 118
Ukraine*	..	..	..	248 432	136 632	152 905	163 493	148 658	162 834
Uzbekistan*	..	..	..	48 880	43 889	44 781	44 968	45 471	47 075
Former Soviet Union*	730 500	832 300	1 168 000	x	x	x	x	x	x
Former Yugoslavia*	26 127	31 260	53 607	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>811 722</b>	<b>928 972</b>	<b>1 325 306</b>	<b>1 724 906</b>	<b>1 238 662</b>	<b>1 368 427</b>	<b>1 492 122</b>	<b>1 415 289</b>	<b>1 492 135</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption (GWh)**  
*Consommation d'électricité (GWh)*  
*Elektrizitätsverbrauch (GWh)*  
*Consumo finale di energia elettrica (GWh)*  
*電力消費量 (GWh)*  
*Consumo de electricidad (GWh)*  
*Потребление электроэнергии (ГВт. ч)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	430	500	1 660	3 240	5 740	8 456	10 194	10 777	12 384
Islamic Republic of Iran	8 027	11 855	20 800	53 034	101 487	145 075	174 718	182 739	196 201
Iraq	2 660	3 343	10 814	22 800	29 160	22 521	21 789	32 767	37 895
Jordan	237	338	870	3 330	6 606	9 100	12 114	12 492	13 458
Kuwait	2 413	3 359	8 301	17 230	28 767	38 767	45 235	46 601	50 136
Lebanon	1 237	1 612	2 537	1 400	9 769	11 301	12 239	13 137	15 088
Oman	11	41	720	3 963	7 262	10 301	13 476	15 185	16 507
Qatar	315	420	2 173	4 568	8 501	13 377	20 086	23 041	26 377
Saudi Arabia	1 975	2 784	19 103	65 223	117 060	157 545	186 488	199 117	218 679
Syrian Arab Republic	1 158	1 283	3 184	8 573	17 476	27 503	32 215	32 133	38 957
United Arab Emirates	189	671	5 865	15 543	38 593	56 262	73 495	77 169	82 962
Yemen	209	206	503	1 471	2 465	3 693	5 039	5 105	5 980
<b>Middle East</b>	<b>18 861</b>	<b>26 412</b>	<b>76 530</b>	<b>200 375</b>	<b>372 886</b>	<b>503 901</b>	<b>607 088</b>	<b>650 263</b>	<b>714 624</b>
<b>Non-OECD Total*</b>	<b>1 279 089</b>	<b>1 490 043</b>	<b>2 362 846</b>	<b>3 761 483</b>	<b>4 958 215</b>	<b>6 809 350</b>	<b>8 394 022</b>	<b>8 702 317</b>	<b>9 492 300</b>
<i>European Union - 27*</i>	..	..	..	2 451 326	2 830 668	3 104 831	3 186 410	3 026 898	3 157 178
OECD Americas	1 796 876	2 087 678	2 625 291	3 487 515	4 595 165	4 864 846	4 978 169	4 744 831	4 942 176
OECD Asia Oceania	439 699	536 846	704 146	1 097 871	1 560 486	1 723 837	1 782 834	1 756 929	1 872 315
OECD Europe*	1 314 993	1 515 936	1 930 412	2 518 885	3 017 941	3 322 286	3 440 609	3 278 757	3 431 378
<b>OECD Total*</b>	<b>3 551 568</b>	<b>4 140 460</b>	<b>5 259 849</b>	<b>7 104 271</b>	<b>9 173 592</b>	<b>9 910 969</b>	<b>10 201 612</b>	<b>9 780 517</b>	<b>10 245 869</b>
<b>World</b>	<b>4 830 657</b>	<b>5 630 503</b>	<b>7 622 695</b>	<b>10 865 754</b>	<b>14 131 807</b>	<b>16 720 319</b>	<b>18 595 634</b>	<b>18 482 834</b>	<b>19 738 169</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Final consumption of coal and peat (Mtoe)***Consommation finale de charbon et de tourbe (Mtep)**Endverbrauch von Kohle und Torf (Mtoe)**Consumo finale di carbone e torba (Mtep)*

石炭及び泥炭の最終消費量（石油換算百万トン）

*Consumo final de carbón y turba (Mtep)**Конечное потребление угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.07	0.07	0.03	0.25	0.08	0.17	0.19	0.12	0.11
Botswana*	..	..	..	0.11	0.19	0.17	0.20	0.19	0.20
Dem. Rep. of Congo	0.22	0.18	0.18	0.19	0.18	0.21	0.24	0.25	0.26
Egypt	0.19	0.14	0.29	0.36	0.40	0.42	0.40	0.39	0.38
Kenya	0.05	0.04	0.01	0.09	0.04	0.05	0.07	0.06	0.10
Morocco	0.20	0.08	0.02	0.35	0.53	0.14	0.04	0.02	0.02
Mozambique	0.37	0.35	0.15	0.02	-	-	0.00	0.00	0.00
Nigeria	0.12	0.17	0.10	0.04	0.00	0.00	0.00	0.00	0.00
Senegal	-	-	-	-	-	0.09	0.13	0.16	0.16
South Africa	15.75	16.91	18.89	16.35	15.93	16.73	18.40	19.01	13.97
Sudan	-	-	0.00	-	-	-	-	-	-
United Rep. of Tanzania	-	-	0.00	0.00	0.03	0.02	0.02	0.02	0.02
Tunisia	0.05	0.05	0.05	0.05	0.04	-	-	-	-
Zambia	0.43	0.48	0.34	0.20	0.07	0.08	0.00	0.00	0.00
Zimbabwe	1.06	1.18	1.24	1.60	1.12	0.57	0.41	0.43	0.47
Other Africa	0.12	0.14	0.12	0.06	0.14	0.10	0.11	0.09	0.09
<b>Africa</b>	<b>18.66</b>	<b>19.81</b>	<b>21.42</b>	<b>19.67</b>	<b>18.74</b>	<b>18.76</b>	<b>20.22</b>	<b>20.74</b>	<b>15.81</b>
Argentina	0.28	0.27	0.21	0.19	0.38	0.25	0.19	0.19	0.18
Brazil	0.75	0.83	2.33	3.86	5.72	5.52	6.04	4.88	7.21
Colombia	1.00	1.05	1.35	1.60	2.26	1.72	1.64	1.67	1.09
Costa Rica	0.00	0.00	0.00	-	0.00	0.02	0.04	0.04	0.03
Cuba	0.03	0.02	0.08	0.13	0.02	0.02	0.02	0.01	0.01
Dominican Republic	-	-	-	-	-	-	0.07	0.07	0.07
El Salvador	-	-	0.00	-	0.00	0.00	-	-	-
Guatemala	-	-	0.01	-	-	-	-	-	-
Haiti	-	-	-	0.01	-	-	-	-	-
Honduras	-	-	-	0.00	0.08	0.11	0.11	0.11	0.11
Jamaica	-	-	-	0.04	0.04	0.04	0.03	0.03	0.04
Panama	0.00	0.01	-	0.02	0.04	0.23	0.02	0.04	0.07
Peru	0.08	0.09	0.09	0.11	0.45	0.60	0.60	0.58	0.66
Uruguay	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Venezuela	0.09	0.16	0.10	0.35	0.13	0.04	0.14	0.24	0.20
Other Non-OECD Americas	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00
<b>Non-OECD Americas</b>	<b>2.27</b>	<b>2.48</b>	<b>4.21</b>	<b>6.31</b>	<b>9.13</b>	<b>8.55</b>	<b>8.92</b>	<b>7.88</b>	<b>9.68</b>
Bangladesh	0.09	0.12	0.12	0.28	0.33	0.35	0.40	0.40	0.40
Chinese Taipei	2.26	2.09	2.19	3.59	4.96	5.97	6.52	6.08	7.83
India	24.80	23.88	27.52	41.81	33.48	43.87	57.85	71.02	75.83
Indonesia	0.09	0.05	0.09	2.13	4.65	8.34	11.91	10.45	12.86
DPR of Korea	13.94	14.36	20.44	22.24	14.12	15.37	14.36	13.82	13.22
Malaysia	0.01	0.01	0.05	0.51	0.99	1.34	1.71	1.28	1.83
Mongolia*	..	..	..	1.00	0.29	0.29	0.41	0.51	0.35
Myanmar	0.13	0.04	0.14	0.05	0.32	0.17	0.22	0.23	0.23
Nepal	0.01	0.05	0.05	0.04	0.26	0.25	0.18	0.19	0.20
Pakistan	0.58	0.54	0.64	1.52	1.37	3.29	3.96	4.05	3.86
Philippines	0.00	0.00	0.22	0.76	0.87	1.21	1.84	1.68	1.99
Singapore	0.00	0.00	0.00	0.02	-	0.00	0.00	0.00	0.01
Sri Lanka	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.07	0.07
Thailand	0.02	0.02	0.09	1.31	3.54	6.75	7.78	7.88	9.21
Vietnam	0.96	1.01	1.51	1.33	3.22	5.27	8.12	8.93	9.81
Other Asia	1.02	0.92	1.88	0.21	0.30	0.33	0.64	0.68	0.73
<b>Asia</b>	<b>43.92</b>	<b>43.10</b>	<b>54.95</b>	<b>76.81</b>	<b>68.70</b>	<b>92.87</b>	<b>115.97</b>	<b>127.28</b>	<b>138.42</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Final consumption of coal and peat (Mtoe)***Consommation finale de charbon et de tourbe (Mtep)**Endverbrauch von Kohle und Torf (Mtoe)**Consumo finale di carbone e torba (Mtep)*

石炭及び泥炭の最終消費量（石油換算百万トン）

*Consumo final de carbón y turba (Mtep)**Конечное потребление угля и торфа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
People's Rep. of China	140.12	149.85	220.17	319.93	303.97	445.38	496.52	518.33	512.13
Hong Kong, China	0.04	0.04	0.08	0.32	0.56	1.12	1.60	1.91	1.53
<b>China</b>	<b>140.16</b>	<b>149.89</b>	<b>220.25</b>	<b>320.26</b>	<b>304.53</b>	<b>446.50</b>	<b>498.12</b>	<b>520.24</b>	<b>513.66</b>
Albania	0.26	0.31	0.52	0.58	0.01	0.02	0.02	0.05	0.06
Armenia*	..	..	..	0.25	-	-	-	-	-
Azerbaijan*	..	..	..	0.09	-	-	-	-	-
Belarus*	..	..	..	1.70	0.59	0.40	0.34	0.32	0.35
Bosnia and Herzegovina*	..	..	..	1.91	0.33	0.42	0.50	0.29	0.35
Bulgaria	3.58	3.79	3.57	1.61	0.75	0.76	0.64	0.35	0.44
Croatia*	..	..	..	0.54	0.08	0.16	0.16	0.13	0.15
Cyprus	-	-	-	0.06	0.03	0.04	0.03	0.01	0.02
Georgia*	..	..	..	0.65	0.01	0.01	0.07	0.12	0.04
Kazakhstan*	..	..	..	15.78	3.85	7.37	14.84	13.24	14.38
Kosovo*	..	..	..	..	0.04	0.04	0.05	0.05	0.08
Kyrgyzstan*	..	..	..	2.08	0.22	0.40	0.42	0.47	0.46
Latvia*	..	..	..	0.31	0.06	0.07	0.09	0.07	0.09
Lithuania*	..	..	..	0.75	0.09	0.19	0.21	0.16	0.20
FYR of Macedonia*	..	..	..	0.11	0.10	0.13	0.15	0.07	0.11
Republic of Moldova*	..	..	..	0.87	0.06	0.07	0.09	0.08	0.08
Montenegro*	..	..	..	..	..	0.02	0.02	0.01	0.00
Romania	2.85	2.98	5.65	3.13	0.77	1.16	0.98	0.66	0.71
Russian Federation*	..	..	..	54.74	18.86	13.67	16.63	18.27	19.34
Serbia*	..	..	..	0.96	1.25	0.99	1.17	0.72	0.88
Tajikistan*	..	..	..	0.63	0.01	0.05	0.09	0.09	0.09
Turkmenistan*	..	..	..	0.30	-	-	-	-	-
Ukraine*	..	..	..	25.61	9.97	11.96	11.68	7.98	8.26
Uzbekistan*	..	..	..	1.27	0.39	0.23	0.36	0.44	0.27
Former Soviet Union*	102.08	109.75	139.89	x	x	x	x	x	x
Former Yugoslavia*	4.77	4.20	2.62	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>113.55</b>	<b>121.03</b>	<b>152.24</b>	<b>113.92</b>	<b>37.48</b>	<b>38.15</b>	<b>48.55</b>	<b>43.57</b>	<b>46.39</b>
Islamic Republic of Iran	0.06	0.17	0.28	0.18	0.26	0.54	0.34	0.25	0.23
Lebanon	0.00	0.01	0.00	-	0.13	0.13	0.13	0.07	0.22
Syrian Arab Republic	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00
United Arab Emirates	-	-	-	-	-	0.15	0.34	0.55	0.72
<b>Middle East</b>	<b>0.07</b>	<b>0.18</b>	<b>0.28</b>	<b>0.18</b>	<b>0.39</b>	<b>0.82</b>	<b>0.82</b>	<b>0.87</b>	<b>1.17</b>
<b>Non-OECD Total*</b>	<b>318.63</b>	<b>336.48</b>	<b>453.35</b>	<b>537.15</b>	<b>438.97</b>	<b>605.65</b>	<b>692.59</b>	<b>720.58</b>	<b>725.14</b>
<i>European Union - 27*</i>	..	..	..	122.55	51.83	44.73	44.19	36.05	40.69
OECD Americas	85.44	81.46	62.72	61.04	38.22	36.86	35.17	28.28	31.99
OECD Asia Oceania	34.26	36.66	40.32	49.42	40.86	41.69	42.45	37.94	41.86
OECD Europe*	204.33	185.08	155.88	125.41	62.16	54.18	55.93	48.31	54.15
<b>OECD Total*</b>	<b>324.02</b>	<b>303.19</b>	<b>258.92</b>	<b>235.88</b>	<b>141.24</b>	<b>132.72</b>	<b>133.55</b>	<b>114.54</b>	<b>128.00</b>
<b>World</b>	<b>642.68</b>	<b>639.67</b>	<b>712.28</b>	<b>773.03</b>	<b>580.21</b>	<b>738.37</b>	<b>826.13</b>	<b>835.12</b>	<b>853.14</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



## Final consumption of oil (Mtoe)

Consommation finale de pétrole (Mtep)

Endverbrauch von Öl (Mtoe)

Consumo finale di petrolio (Mtep)

石油の最終消費量 (石油換算百万トン)

Consumo final de petróleo (Mtep)

Конечное потребление нефти и нефтепродуктов (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	1.68	2.26	4.61	8.04	8.36	10.37	12.77	14.65	14.50
Angola	0.46	0.63	0.65	0.85	1.03	1.69	3.33	3.54	4.29
Benin	0.10	0.13	0.13	0.08	0.46	0.87	1.23	1.37	1.48
Botswana*	..	..	..	0.30	0.57	0.68	0.89	0.85	0.91
Cameroon	0.23	0.25	0.53	0.91	0.94	0.95	0.97	1.11	1.15
Congo	0.18	0.18	0.21	0.21	0.17	0.27	0.43	0.47	0.54
Dem. Rep. of Congo	0.49	0.56	0.70	0.69	0.31	0.45	0.58	0.60	0.64
Côte d'Ivoire	0.63	0.66	0.96	0.73	0.89	0.81	1.08	1.04	0.86
Egypt	5.29	5.58	9.95	15.96	19.93	24.03	25.60	25.07	25.17
Eritrea*	..	..	..	..	0.15	0.15	0.09	0.09	0.10
Ethiopia	0.32	0.35	0.38	0.65	1.06	1.47	1.73	1.74	1.76
Gabon	0.12	0.16	0.37	0.20	0.32	0.51	0.55	0.59	0.63
Ghana	0.62	0.67	0.72	0.90	1.54	1.78	1.85	2.51	2.45
Kenya	0.87	0.95	1.27	1.60	1.51	1.81	2.06	2.49	2.86
Libya	0.38	0.81	2.59	3.58	5.96	5.67	5.83	6.33	6.49
Morocco	1.66	2.01	3.21	3.58	5.68	7.68	9.04	9.42	9.89
Mozambique	0.32	0.33	0.39	0.30	0.42	0.49	0.59	0.67	0.72
Namibia*	..	..	..	..	0.59	0.81	0.89	0.96	1.02
Nigeria	1.47	2.29	7.10	6.40	9.80	11.85	10.04	9.46	9.18
Senegal	0.28	0.33	0.46	0.43	0.69	0.80	1.05	0.94	0.98
South Africa	8.80	10.39	11.23	15.08	16.06	19.66	24.57	23.95	18.49
Sudan	0.99	1.42	1.12	1.67	1.39	2.25	3.13	3.41	3.45
United Rep. of Tanzania	0.42	0.49	0.44	0.46	0.65	1.20	1.48	1.34	1.38
Togo	0.09	0.08	0.12	0.17	0.28	0.31	0.36	0.38	0.39
Tunisia	0.82	0.95	1.62	2.33	3.34	3.99	3.83	3.75	3.85
Zambia	0.47	0.63	0.60	0.55	0.46	0.56	0.51	0.55	0.61
Zimbabwe	0.53	0.66	0.62	0.87	0.97	0.68	0.56	0.59	0.63
Other Africa	2.31	2.59	3.65	4.04	4.94	5.67	6.46	6.45	6.69
<b>Africa</b>	<b>29.53</b>	<b>35.38</b>	<b>53.62</b>	<b>70.57</b>	<b>88.50</b>	<b>107.47</b>	<b>121.49</b>	<b>124.33</b>	<b>121.11</b>
Argentina	16.63	17.13	19.07	15.54	22.25	22.42	24.12	22.91	24.03
Bolivia	0.60	0.70	1.11	1.12	1.52	1.84	2.35	2.37	2.62
Brazil	24.78	33.48	49.65	53.46	80.05	78.93	86.48	85.66	93.83
Colombia	5.36	5.77	6.51	8.74	11.13	10.71	10.93	10.09	10.49
Costa Rica	0.36	0.44	0.67	0.80	1.55	1.81	1.93	1.93	1.94
Cuba	5.16	5.16	6.74	6.82	5.13	3.80	3.54	3.72	3.71
Dominican Republic	0.75	0.88	1.08	1.53	3.75	3.17	3.23	3.07	3.03
Ecuador	0.95	1.05	2.75	4.03	5.19	6.52	7.22	7.98	7.84
El Salvador	0.39	0.45	0.54	0.69	1.36	1.55	1.53	1.56	1.53
Guatemala	0.60	0.66	0.86	1.02	2.08	2.71	2.39	2.67	2.60
Haiti	0.10	0.12	0.18	0.22	0.41	0.61	0.70	0.66	0.60
Honduras	0.30	0.36	0.48	0.69	1.03	1.40	1.55	1.54	1.53
Jamaica	1.28	1.90	1.69	1.65	1.40	1.98	2.85	1.71	1.54
Netherlands Antilles*	2.08	2.15	1.04	0.57	0.66	0.69	0.75	0.72	0.73
Nicaragua	0.35	0.43	0.45	0.43	0.71	0.83	0.83	0.79	0.91
Panama	0.40	0.47	0.59	0.65	1.18	1.41	1.61	1.85	1.99
Paraguay	0.17	0.21	0.42	0.64	1.08	1.14	1.25	1.38	1.57
Peru	4.13	4.30	5.03	4.80	6.52	6.15	7.12	7.62	7.57
Trinidad and Tobago	0.36	0.50	0.73	0.62	0.70	1.01	1.21	1.21	1.30
Uruguay	1.34	1.35	1.41	1.07	1.48	1.31	1.50	1.58	1.62
Venezuela	6.39	7.57	12.67	14.36	18.02	21.52	22.34	23.11	28.65
Other Non-OECD Americas	1.37	1.98	1.71	2.54	2.77	2.75	2.91	3.00	3.05
<b>Non-OECD Americas</b>	<b>73.87</b>	<b>87.05</b>	<b>115.35</b>	<b>121.99</b>	<b>169.98</b>	<b>174.29</b>	<b>188.35</b>	<b>187.12</b>	<b>202.70</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Final consumption of oil (Mtoe)

Consommation finale de pétrole (Mtep)

Endverbrauch von Öl (Mtoe)

Consumo finale di petrolio (Mtep)

石油の最終消費量 (石油換算百万トン)

Consumo final de petróleo (Mtep)

Конечное потребление нефти и нефтепродуктов (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.56	0.59	1.24	1.57	2.72	3.63	3.70	3.96	4.28
Brunei Darussalam	0.06	0.06	0.18	0.26	0.36	0.40	0.53	0.58	0.58
Cambodia*	..	..	..	..	0.53	0.63	0.78	0.87	0.98
Chinese Taipei	3.24	4.88	12.05	18.29	28.26	35.47	36.73	37.48	38.84
India	17.81	19.91	26.92	52.57	95.70	102.93	122.65	123.80	128.34
Indonesia	6.38	7.69	17.29	27.24	49.07	53.41	54.03	57.23	61.82
DPR of Korea	0.71	0.80	2.42	2.11	0.66	0.55	0.51	0.39	0.37
Malaysia	3.44	3.27	5.28	9.19	18.01	21.00	22.77	24.78	24.63
Mongolia*	..	..	..	0.72	0.40	0.52	0.79	0.73	0.77
Myanmar	1.19	0.96	1.15	0.59	1.53	1.98	0.98	1.03	1.03
Nepal	0.04	0.06	0.10	0.24	0.69	0.72	0.73	0.90	0.98
Pakistan	2.66	2.85	4.15	7.75	11.68	11.41	11.25	11.20	11.97
Philippines	5.78	6.62	7.04	8.15	13.11	11.89	10.66	11.13	11.46
Singapore	0.88	1.11	1.60	3.81	7.01	13.37	15.13	15.92	19.16
Sri Lanka	0.82	1.04	1.07	1.18	2.50	2.85	2.67	2.50	3.00
Thailand	4.58	5.53	7.28	14.93	28.92	39.61	38.25	40.57	43.53
Vietnam	3.48	3.71	1.66	2.33	6.51	11.54	13.05	15.03	16.91
Other Asia	1.20	1.43	2.03	2.12	2.14	2.60	2.98	3.57	3.81
<b>Asia</b>	<b>52.85</b>	<b>60.52</b>	<b>91.47</b>	<b>153.06</b>	<b>269.81</b>	<b>314.51</b>	<b>338.18</b>	<b>351.69</b>	<b>372.46</b>
People's Rep. of China	35.57	42.62	59.40	85.11	178.87	267.97	317.95	332.54	369.05
Hong Kong, China	1.57	1.46	1.83	2.78	5.47	2.92	2.89	3.37	3.13
<b>China</b>	<b>37.14</b>	<b>44.08</b>	<b>61.23</b>	<b>87.89</b>	<b>184.34</b>	<b>270.89</b>	<b>320.84</b>	<b>335.92</b>	<b>372.18</b>
Albania	0.58	0.47	1.24	0.90	0.92	1.29	1.20	1.20	1.20
Armenia*	..	..	..	2.36	0.29	0.37	0.40	0.37	0.35
Azerbaijan*	..	..	..	5.28	1.78	2.86	2.83	2.53	2.70
Belarus*	..	..	..	15.61	5.37	5.63	6.32	5.99	5.81
Bosnia and Herzegovina*	..	..	..	1.56	1.06	1.06	1.41	1.37	1.48
Bulgaria	8.48	9.04	8.22	5.48	3.56	3.99	4.02	3.48	3.13
Croatia*	..	..	..	3.09	2.88	3.35	3.48	3.29	3.03
Cyprus	0.38	0.48	0.53	0.66	1.11	1.16	1.22	1.20	1.18
Georgia*	..	..	..	2.88	0.63	0.70	0.83	0.80	0.90
Gibraltar	0.02	0.02	0.02	0.04	0.10	0.11	0.12	0.12	0.13
Kazakhstan*	..	..	..	15.08	6.38	7.79	10.75	8.80	14.78
Kosovo*	..	..	..	..	0.32	0.44	0.53	0.55	0.53
Kyrgyzstan*	..	..	..	2.95	0.40	0.49	0.80	1.20	1.24
Latvia*	..	..	..	2.07	1.11	1.37	1.54	1.36	1.40
Lithuania*	..	..	..	4.15	1.45	1.79	2.08	1.67	1.75
FYR of Macedonia*	..	..	..	0.89	0.64	0.72	0.74	0.74	0.79
Malta	0.10	0.12	0.12	0.19	0.18	0.15	0.22	0.22	0.22
Republic of Moldova*	..	..	..	3.60	0.38	0.64	0.76	0.66	0.73
Montenegro*	..	..	..	..	..	0.09	0.12	0.14	0.14
Romania	9.34	10.62	14.67	8.75	6.44	7.91	8.50	7.56	6.83
Russian Federation*	..	..	..	145.00	90.57	91.90	106.01	101.57	103.78
Serbia*	..	..	..	4.31	1.18	3.43	3.64	3.16	3.30
Tajikistan*	..	..	..	1.68	0.19	0.27	0.50	0.51	0.54
Turkmenistan*	..	..	..	4.57	2.40	2.81	3.31	3.09	2.94
Ukraine*	..	..	..	28.01	5.89	7.72	13.64	11.59	12.30
Uzbekistan*	..	..	..	7.33	4.71	3.45	3.42	3.60	3.16
Former Soviet Union*	177.65	203.08	274.02	x	x	x	x	x	x
Former Yugoslavia*	7.48	8.54	10.83	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>204.04</b>	<b>232.37</b>	<b>309.66</b>	<b>266.44</b>	<b>139.92</b>	<b>151.50</b>	<b>178.40</b>	<b>166.77</b>	<b>174.32</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Final consumption of oil (Mtoe)***Consommation finale de pétrole (Mtep)**Endverbrauch von Öl (Mtoe)**Consumo finale di petrolio (Mtep)**石油の最終消費量 (石油換算百万トン)**Consumo final de petróleo (Mtep)**Конечное потребление нефти и нефтепродуктов (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.08	0.09	0.26	0.40	0.59	0.96	1.17	1.28	1.39
Islamic Republic of Iran	10.16	13.51	23.95	40.73	54.98	65.25	73.53	74.45	65.36
Iraq	1.95	2.22	6.21	12.13	15.24	19.02	15.72	16.05	17.40
Jordan	0.38	0.45	1.09	2.01	2.95	3.79	3.36	3.59	3.38
Kuwait	0.87	0.96	2.72	1.51	3.39	5.31	5.46	6.08	6.11
Lebanon	1.22	1.45	1.17	0.93	2.20	2.26	2.00	3.05	2.29
Oman	0.08	0.08	0.49	1.26	2.08	2.93	4.08	4.60	4.52
Qatar	0.08	0.12	0.45	0.54	0.89	2.81	3.26	3.78	3.80
Saudi Arabia	1.91	2.84	19.81	28.54	43.44	55.84	65.89	70.32	76.01
Syrian Arab Republic	1.57	1.36	3.58	6.14	6.67	10.05	10.97	9.08	8.99
United Arab Emirates	0.14	0.26	3.09	6.22	7.25	9.42	10.74	11.39	11.99
Yemen	0.28	0.47	0.92	1.66	3.10	4.46	4.86	4.90	4.69
<b>Middle East</b>	<b>18.71</b>	<b>23.80</b>	<b>63.75</b>	<b>102.07</b>	<b>142.77</b>	<b>182.11</b>	<b>201.03</b>	<b>208.57</b>	<b>205.92</b>
<b>Non-OECD Total*</b>	<b>416.14</b>	<b>483.21</b>	<b>695.08</b>	<b>802.01</b>	<b>995.31</b>	<b>1 200.77</b>	<b>1 348.29</b>	<b>1 374.39</b>	<b>1 448.69</b>
<i>European Union - 27*</i>	..	..	..	499.33	536.31	550.37	533.60	502.69	500.86
OECD Americas	722.73	795.17	812.85	808.78	945.05	1 013.86	955.25	905.67	924.99
OECD Asia Oceania	180.28	211.62	209.26	265.68	337.49	330.07	302.99	304.18	306.62
OECD Europe*	507.96	577.22	551.43	517.96	568.12	580.49	563.87	535.69	535.16
<b>OECD Total*</b>	<b>1 410.97</b>	<b>1 584.02</b>	<b>1 573.54</b>	<b>1 592.42</b>	<b>1 850.66</b>	<b>1 924.42</b>	<b>1 822.11</b>	<b>1 745.53</b>	<b>1 766.76</b>
<b>World marine bunkers</b>	<b>108.21</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>1 991.83</b>	<b>2 249.51</b>	<b>2 445.49</b>	<b>2 594.97</b>	<b>3 117.24</b>	<b>3 440.73</b>	<b>3 516.30</b>	<b>3 452.36</b>	<b>3 569.82</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

## Final consumption of natural gas (Mtoe)

*Consommation finale de gaz naturel (Mtep)**Endverbrauch von Erdgas (Mtoe)**Consumo finale di gas (Mtep)**天然ガスの最終消費量 (石油換算百万トン)**Consumo final de gas natural (Mtep)**Конечное потребление природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.22	0.27	0.81	3.36	5.31	7.70	8.29	9.68	9.47
Angola	0.04	0.05	0.06	0.44	0.47	0.53	0.56	0.56	0.60
Côte d'Ivoire	-	-	-	-	0.49	0.14	0.21	0.23	0.18
Egypt	-	-	0.75	2.42	3.95	9.08	12.82	11.06	11.66
Gabon	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libya	0.28	0.26	1.01	1.29	2.15	2.06	2.35	2.35	2.27
Morocco	0.04	0.06	0.06	0.04	0.04	0.03	0.04	0.04	0.04
Mozambique	-	-	-	-	0.00	0.02	0.08	0.08	0.12
Nigeria	0.03	0.03	0.04	0.72	0.97	1.35	1.54	0.99	1.21
United Rep. of Tanzania	-	-	-	-	-	0.05	0.07	0.08	0.10
Tunisia	0.00	0.01	0.08	0.31	0.61	0.84	1.11	1.05	1.10
Other Africa	-	-	-	-	0.00	0.00	0.00	0.00	0.00
<b>Africa</b>	<b>0.61</b>	<b>0.68</b>	<b>2.80</b>	<b>8.58</b>	<b>13.99</b>	<b>21.81</b>	<b>27.06</b>	<b>26.11</b>	<b>26.76</b>
Argentina	2.89	3.68	5.41	9.57	15.59	18.00	19.46	18.66	18.19
Bolivia	-	0.00	0.04	0.17	0.35	0.53	0.79	0.92	0.99
Brazil	0.15	0.22	0.89	2.42	4.86	9.61	11.10	9.59	12.76
Colombia	0.11	0.21	0.54	0.91	1.62	2.83	3.93	3.35	3.58
Cuba	0.03	0.03	0.05	0.06	0.20	0.21	0.41	0.42	0.38
Dominican Republic	-	-	-	-	-	-	-	0.01	0.04
Peru	0.04	0.04	0.07	0.07	0.00	0.15	0.73	0.90	1.14
Trinidad and Tobago	0.46	0.52	0.86	2.82	7.29	11.01	12.63	13.57	13.85
Uruguay	-	-	-	-	0.03	0.07	0.07	0.05	0.05
Venezuela	2.12	3.91	7.52	8.34	10.98	14.94	8.48	7.71	8.28
Other Non-OECD Americas	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.01
<b>Non-OECD Americas</b>	<b>5.81</b>	<b>8.62</b>	<b>15.39</b>	<b>24.36</b>	<b>40.94</b>	<b>57.37</b>	<b>57.60</b>	<b>55.19</b>	<b>59.26</b>
Bangladesh	0.19	0.33	0.66	1.85	3.57	4.67	6.33	6.84	6.10
Brunei Darussalam	-	-	-	-	-	-	0.81	0.79	0.84
Chinese Taipei	0.65	0.94	1.35	0.88	1.55	1.78	1.83	1.83	2.11
India	0.28	0.29	0.68	5.64	9.67	14.94	17.50	22.97	22.92
Indonesia	0.10	0.12	2.36	6.02	11.55	13.62	12.29	15.41	15.85
Malaysia	0.01	0.01	0.03	0.98	3.48	6.28	9.67	6.12	5.63
Myanmar	0.02	0.03	0.08	0.22	0.32	0.43	0.50	0.50	0.60
Pakistan	1.50	1.80	3.02	6.01	10.18	15.54	18.52	19.42	19.12
Philippines	-	-	-	-	-	0.01	0.07	0.07	0.07
Singapore	0.02	0.02	0.05	0.06	0.11	0.48	0.62	0.71	0.93
Thailand	-	-	-	0.14	1.11	1.86	2.89	4.34	4.58
Vietnam	-	-	-	-	0.02	0.54	0.67	0.64	0.49
Other Asia	0.19	0.15	0.09	0.24	0.10	0.11	0.13	0.13	0.14
<b>Asia</b>	<b>2.96</b>	<b>3.69</b>	<b>8.32</b>	<b>22.05</b>	<b>41.64</b>	<b>60.24</b>	<b>71.81</b>	<b>79.78</b>	<b>79.39</b>
People's Rep. of China	1.41	2.25	6.36	8.87	12.27	27.73	48.58	50.04	57.21
<b>China</b>	<b>1.41</b>	<b>2.25</b>	<b>6.36</b>	<b>8.87</b>	<b>12.27</b>	<b>27.73</b>	<b>48.58</b>	<b>50.04</b>	<b>57.21</b>

**Final consumption of natural gas (Mtoe)***Consommation finale de gaz naturel (Mtep)**Endverbrauch von Erdgas (Mtoe)**Consumo finale di gas (Mtep)**天然ガスの最終消費量 (石油換算百万トン)**Consumo final de gas natural (Mtep)**Конечное потребление природного газа (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	0.11	0.16	0.32	0.20	0.00	-	-	0.00	0.00
Armenia*	..	..	..	2.75	0.44	0.93	1.36	1.13	1.02
Azerbaijan*	..	..	..	9.05	3.24	3.21	3.09	2.68	2.75
Belarus*	..	..	..	4.31	3.21	3.95	4.47	4.39	4.69
Bosnia and Herzegovina*	..	..	..	0.35	0.16	0.25	0.28	0.13	0.14
Bulgaria	0.25	0.17	3.18	2.60	1.71	1.68	1.76	1.15	1.25
Croatia*	..	..	..	1.24	1.45	1.62	1.67	1.56	1.69
Georgia*	..	..	..	2.59	0.46	0.57	0.61	0.54	0.61
Kazakhstan*	..	..	..	7.77	2.67	2.26	6.64	2.53	3.20
Kyrgyzstan*	..	..	..	0.61	0.16	0.23	0.26	0.18	0.07
Latvia*	..	..	..	0.70	0.33	0.51	0.50	0.43	0.50
Lithuania*	..	..	..	2.13	0.91	1.10	1.50	1.10	1.10
FYR of Macedonia*	..	..	..	-	0.01	0.03	0.03	0.03	0.03
Republic of Moldova*	..	..	..	0.98	0.47	0.74	0.53	0.40	0.43
Romania	13.01	13.89	27.25	19.85	7.28	8.26	7.78	6.64	6.78
Russian Federation*	..	..	..	143.08	117.14	128.02	133.94	128.50	143.19
Serbia*	..	..	..	2.36	1.16	1.24	1.42	0.88	1.15
Tajikistan*	..	..	..	0.73	0.38	0.29	0.22	0.15	0.10
Turkmenistan*	..	..	..	6.74	4.98	6.45	8.16	7.22	8.28
Ukraine*	..	..	..	33.22	28.51	34.54	31.84	25.60	28.40
Uzbekistan*	..	..	..	19.68	26.21	24.22	27.98	22.37	21.73
Former Soviet Union*	100.90	116.20	181.67	x	x	x	x	x	x
Former Yugoslavia*	0.80	0.98	2.12	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>115.06</b>	<b>131.41</b>	<b>214.55</b>	<b>260.93</b>	<b>200.88</b>	<b>220.10</b>	<b>234.02</b>	<b>207.62</b>	<b>227.08</b>
Bahrain	0.18	0.59	0.87	1.71	1.48	1.73	2.98	2.94	2.91
Islamic Republic of Iran	1.50	1.92	1.61	9.35	29.21	46.61	64.14	70.10	75.28
Iraq	0.38	0.49	0.52	0.81	1.29	0.07	0.13	0.18	0.20
Kuwait	2.37	2.77	3.16	1.62	3.03	4.44	3.04	2.71	4.04
Oman	-	-	-	0.32	0.40	1.13	1.66	1.72	1.82
Qatar	0.35	0.58	1.30	2.40	3.68	4.52	6.28	7.16	7.37
Saudi Arabia	-	-	0.24	2.61	3.02	7.34	13.44	13.46	12.51
Syrian Arab Republic	-	-	-	0.75	2.59	1.78	1.76	1.07	1.73
United Arab Emirates	0.81	0.82	2.00	8.73	14.93	12.33	21.29	24.81	25.64
<b>Middle East</b>	<b>5.59</b>	<b>7.17</b>	<b>9.71</b>	<b>28.31</b>	<b>59.63</b>	<b>79.97</b>	<b>114.71</b>	<b>124.15</b>	<b>131.51</b>
<b>Non-OECD Total*</b>	<b>131.43</b>	<b>153.82</b>	<b>257.13</b>	<b>353.10</b>	<b>369.35</b>	<b>467.22</b>	<b>553.79</b>	<b>542.89</b>	<b>581.21</b>
<i>European Union - 27*</i>	..	..	..	224.41	270.80	290.10	275.10	258.21	274.15
OECD Americas	384.86	398.00	386.57	361.35	429.54	383.20	395.85	377.15	386.08
OECD Asia Oceania	3.65	5.39	11.34	26.38	48.42	58.76	64.74	64.85	69.68
OECD Europe*	61.98	95.09	160.82	201.34	268.27	291.87	280.24	263.32	281.19
<b>OECD Total*</b>	<b>450.48</b>	<b>498.48</b>	<b>558.73</b>	<b>589.07</b>	<b>746.22</b>	<b>733.83</b>	<b>740.83</b>	<b>705.32</b>	<b>736.95</b>
<b>World</b>	<b>581.92</b>	<b>652.29</b>	<b>815.86</b>	<b>942.16</b>	<b>1 115.57</b>	<b>1 201.05</b>	<b>1 294.62</b>	<b>1 248.21</b>	<b>1 318.16</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Final consumption of electricity (Mtoe)

Consommation finale d'électricité (Mtep)

Stromendverbrauch (Mtoe)

Consumo finale di energia elettrica (Mtep)

電力の最終消費量 (石油換算百万トン)

Consumo final de electricidad (Mtep)

Конечное потребление электроэнергии (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.14	0.17	0.43	1.06	1.60	2.29	2.58	2.37	2.88
Angola	0.04	0.06	0.04	0.05	0.10	0.17	0.30	0.34	0.38
Benin	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.07
Botswana*	..	..	..	0.07	0.17	0.22	0.25	0.25	0.27
Cameroon	0.09	0.09	0.12	0.20	0.23	0.28	0.40	0.40	0.42
Congo	0.01	0.01	0.01	0.03	0.02	0.03	0.04	0.04	0.04
Dem. Rep. of Congo	0.31	0.30	0.34	0.18	0.39	0.42	0.52	0.57	0.54
Côte d'Ivoire	0.04	0.05	0.12	0.16	0.24	0.26	0.32	0.36	0.37
Egypt	0.59	0.60	1.34	3.11	5.53	7.92	9.61	10.23	10.76
Eritrea*	..	..	..	..	0.01	0.02	0.02	0.02	0.02
Ethiopia	0.05	0.05	0.05	0.08	0.12	0.20	0.27	0.28	0.33
Gabon	0.01	0.01	0.04	0.07	0.09	0.10	0.12	0.12	0.12
Ghana	0.24	0.31	0.39	0.38	0.52	0.45	0.53	0.54	0.59
Kenya	0.08	0.09	0.14	0.25	0.30	0.42	0.49	0.50	0.54
Libya	0.03	0.07	0.26	0.50	0.87	1.64	1.82	1.93	2.01
Morocco	0.16	0.20	0.37	0.70	1.10	1.52	1.87	1.93	2.04
Mozambique	0.04	0.05	0.04	0.04	0.18	0.79	0.85	0.82	0.88
Namibia*	..	..	..	..	0.19	0.25	0.33	0.30	0.29
Nigeria	0.14	0.18	0.40	0.68	0.75	1.49	1.59	1.55	1.80
Senegal	0.03	0.03	0.05	0.06	0.08	0.15	0.16	0.20	0.20
South Africa	4.01	4.74	7.96	11.91	15.98	17.05	18.50	17.62	18.39
Sudan	0.03	0.04	0.06	0.11	0.19	0.26	0.37	0.48	0.52
United Rep. of Tanzania	0.04	0.04	0.06	0.11	0.16	0.22	0.28	0.30	0.32
Togo	0.01	0.01	0.01	0.03	0.04	0.05	0.05	0.06	0.06
Tunisia	0.07	0.08	0.21	0.42	0.77	0.97	1.10	1.10	1.19
Zambia	0.38	0.44	0.50	0.51	0.52	0.69	0.63	0.63	0.67
Zimbabwe	0.30	0.42	0.60	0.77	0.90	1.04	1.06	1.07	1.07
Other Africa	0.21	0.26	0.40	0.58	0.92	1.13	1.25	1.27	1.32
<b>Africa</b>	<b>7.03</b>	<b>8.30</b>	<b>13.94</b>	<b>22.08</b>	<b>32.02</b>	<b>40.09</b>	<b>45.37</b>	<b>45.35</b>	<b>48.09</b>
Argentina	1.70	1.96	2.83	3.47	6.49	7.76	9.21	9.15	9.70
Bolivia	0.07	0.07	0.12	0.15	0.30	0.37	0.44	0.46	0.52
Brazil	3.65	4.66	10.19	18.13	27.62	31.10	35.25	35.03	37.66
Colombia	0.76	0.77	1.37	2.31	2.87	3.35	3.70	3.99	4.11
Costa Rica	0.09	0.10	0.17	0.28	0.49	0.63	0.72	0.72	0.74
Cuba	0.34	0.38	0.61	1.03	1.01	1.04	1.20	1.21	1.18
Dominican Republic	0.09	0.16	0.21	0.27	0.51	1.01	1.13	1.10	1.19
Ecuador	0.07	0.08	0.25	0.41	0.68	0.78	1.05	1.11	1.21
El Salvador	0.05	0.07	0.11	0.16	0.31	0.37	0.43	0.42	0.43
Guatemala	0.06	0.07	0.14	0.17	0.33	0.52	0.62	0.64	0.67
Haiti	0.01	0.01	0.02	0.03	0.03	0.03	0.02	0.03	0.02
Honduras	0.03	0.04	0.07	0.15	0.28	0.37	0.44	0.43	0.44
Jamaica	0.13	0.16	0.09	0.14	0.52	0.55	0.45	0.44	0.28
Netherlands Antilles*	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08
Nicaragua	0.05	0.05	0.08	0.09	0.13	0.17	0.21	0.22	0.21
Panama	0.07	0.08	0.13	0.18	0.33	0.41	0.47	0.50	0.54
Paraguay	0.02	0.02	0.07	0.17	0.38	0.41	0.51	0.55	0.59
Peru	0.46	0.52	0.75	1.01	1.49	1.96	2.51	2.55	2.72
Trinidad and Tobago	0.05	0.07	0.15	0.27	0.41	0.55	0.63	0.64	0.68
Uruguay	0.17	0.16	0.24	0.33	0.57	0.56	0.73	0.76	0.78
Venezuela	0.84	1.00	2.37	3.87	5.23	6.12	6.71	6.95	7.12
Other Non-OECD Americas	0.27	0.31	1.52	1.86	2.54	2.89	2.82	2.83	2.89
<b>Non-OECD Americas</b>	<b>9.00</b>	<b>10.78</b>	<b>21.52</b>	<b>34.55</b>	<b>52.58</b>	<b>61.03</b>	<b>69.35</b>	<b>69.81</b>	<b>73.74</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Final consumption of electricity (Mtoe)***Consommation finale d'électricité (Mtep)**Stromendverbrauch (Mtoe)**Consumo finale di energia elettrica (Mtep)**電力の最終消費量 (石油換算百万トン)**Consumo final de electricidad (Mtep)**Конечное потребление электроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.06	0.09	0.12	0.40	1.07	1.91	2.73	3.05	3.39
Brunei Darussalam	0.02	0.02	0.03	0.09	0.21	0.26	0.27	0.28	0.29
Cambodia*	..	..	..	..	0.03	0.07	0.13	0.15	0.18
Chinese Taipei	1.15	1.50	3.17	6.59	13.76	17.10	18.07	17.34	18.78
India	4.45	4.77	7.70	18.21	31.59	40.53	52.57	56.59	61.12
Indonesia	0.15	0.17	0.56	2.43	6.81	9.26	11.08	11.70	12.73
DPR of Korea	1.08	1.21	1.55	2.03	1.25	1.47	1.49	1.36	1.39
Malaysia	0.28	0.35	0.75	1.72	5.26	6.94	7.99	8.85	9.53
Mongolia*	..	..	..	0.24	0.17	0.23	0.28	0.27	0.30
Myanmar	0.04	0.05	0.09	0.15	0.28	0.31	0.41	0.43	0.54
Nepal	0.01	0.01	0.01	0.05	0.11	0.17	0.19	0.22	0.24
Pakistan	0.46	0.53	0.89	2.48	4.18	5.81	6.05	6.39	6.63
Philippines	0.71	1.03	1.47	1.82	3.14	3.88	4.23	4.38	4.75
Singapore	0.18	0.25	0.47	1.11	2.35	2.77	3.05	3.34	3.63
Sri Lanka	0.06	0.08	0.12	0.22	0.42	0.53	0.62	0.63	0.79
Thailand	0.37	0.53	1.12	3.30	7.56	10.43	11.65	11.63	12.84
Vietnam	0.15	0.16	0.23	0.53	1.93	4.05	5.83	6.61	7.48
Other Asia	0.19	0.29	0.51	0.52	0.76	1.00	1.27	1.38	1.48
<b>Asia</b>	<b>9.36</b>	<b>11.01</b>	<b>18.79</b>	<b>41.90</b>	<b>80.89</b>	<b>106.74</b>	<b>127.91</b>	<b>134.61</b>	<b>146.07</b>
People's Rep. of China	9.82	11.83	21.35	39.03	89.15	171.54	244.67	263.65	296.79
Hong Kong, China	0.45	0.52	0.94	2.05	3.12	3.44	3.52	3.57	3.60
<b>China</b>	<b>10.27</b>	<b>12.35</b>	<b>22.29</b>	<b>41.08</b>	<b>92.27</b>	<b>174.98</b>	<b>248.19</b>	<b>267.22</b>	<b>300.39</b>
Albania	0.09	0.11	0.25	0.14	0.37	0.44	0.40	0.46	0.49
Armenia*	..	..	..	0.78	0.31	0.36	0.42	0.39	0.40
Azerbaijan*	..	..	..	1.59	1.28	1.57	1.35	1.07	1.07
Belarus*	..	..	..	3.41	2.30	2.38	2.53	2.38	2.53
Bosnia and Herzegovina*	..	..	..	0.87	0.50	0.67	0.86	0.81	0.89
Bulgaria	1.50	1.78	2.55	3.03	2.09	2.21	2.46	2.31	2.33
Croatia*	..	..	..	1.14	1.01	1.24	1.39	1.33	1.36
Cyprus	0.05	0.06	0.08	0.15	0.26	0.34	0.40	0.41	0.42
Georgia*	..	..	..	1.16	0.54	0.53	0.51	0.50	0.63
Gibraltar	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Kazakhstan*	..	..	..	8.30	3.03	5.23	4.47	4.38	4.94
Kosovo*	..	..	..	..	0.20	0.27	0.35	0.34	0.35
Kyrgyzstan*	..	..	..	0.85	0.78	0.80	0.64	0.62	0.62
Latvia*	..	..	..	0.72	0.39	0.49	0.57	0.52	0.53
Lithuania*	..	..	..	1.03	0.53	0.69	0.78	0.72	0.72
FYR of Macedonia*	..	..	..	0.40	0.45	0.54	0.59	0.55	0.58
Malta	0.02	0.03	0.04	0.08	0.13	0.17	0.16	0.15	0.14
Republic of Moldova*	..	..	..	0.89	0.27	0.43	0.36	0.27	0.28
Montenegro*	..	..	..	..	..	0.32	0.32	0.26	0.28
Romania	2.43	2.89	4.65	4.66	2.92	3.34	3.60	3.23	3.55
Russian Federation*	..	..	..	71.09	52.33	55.90	62.39	59.02	62.49
Serbia*	..	..	..	2.78	2.35	2.21	2.34	2.31	2.37
Tajikistan*	..	..	..	1.53	1.14	1.25	1.23	1.16	1.19
Turkmenistan*	..	..	..	0.72	0.50	0.64	0.75	0.77	0.79
Ukraine*	..	..	..	17.68	9.76	10.59	11.60	10.07	11.53
Uzbekistan*	..	..	..	3.69	3.42	3.49	3.50	3.54	3.67
Former Soviet Union*	54.67	62.41	82.85	x	x	x	x	x	x
Former Yugoslavia*	2.05	2.46	4.21	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>60.82</b>	<b>69.75</b>	<b>94.63</b>	<b>126.72</b>	<b>86.86</b>	<b>96.09</b>	<b>103.97</b>	<b>97.59</b>	<b>104.17</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Final consumption of electricity (Mtoe)***Consommation finale d'électricité (Mtep)**Stromendverbrauch (Mtoe)**Consumo finale di energia elettrica (Mtep)**電力の最終消費量（石油換算百万トン）**Consumo final de electricidad (Mtep)**Конечное потребление электроэнергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.04	0.04	0.14	0.26	0.47	0.68	0.84	0.88	1.04
Islamic Republic of Iran	0.61	0.91	1.67	4.24	8.12	11.65	14.13	14.81	16.00
Iraq	0.23	0.29	0.93	1.96	2.51	1.94	1.87	2.82	3.26
Jordan	0.01	0.01	0.07	0.26	0.52	0.76	1.00	1.04	1.10
Kuwait	0.15	0.18	0.37	0.83	1.72	2.42	2.86	2.95	3.18
Lebanon	0.10	0.13	0.20	0.12	0.84	0.97	1.05	1.13	1.30
Oman	0.00	0.00	0.06	0.30	0.59	0.72	1.11	1.25	1.39
Qatar	0.03	0.04	0.19	0.39	0.66	1.04	1.57	1.80	2.12
Saudi Arabia	0.17	0.23	1.09	4.72	8.51	11.61	14.71	15.78	16.83
Syrian Arab Republic	0.09	0.11	0.26	0.71	1.25	2.02	2.37	2.34	2.89
United Arab Emirates	0.02	0.05	0.48	1.23	3.26	4.63	6.03	6.33	6.82
Yemen	0.02	0.02	0.04	0.11	0.18	0.28	0.39	0.40	0.43
<b>Middle East</b>	<b>1.45</b>	<b>2.01</b>	<b>5.51</b>	<b>15.13</b>	<b>28.64</b>	<b>38.73</b>	<b>47.93</b>	<b>51.52</b>	<b>56.37</b>
<b>Non-OECD Total*</b>	<b>97.94</b>	<b>114.21</b>	<b>176.68</b>	<b>281.47</b>	<b>373.25</b>	<b>517.66</b>	<b>642.73</b>	<b>666.09</b>	<b>728.82</b>
<i>European Union - 27*</i>	..	..	..	184.93	216.63	238.22	246.08	233.25	243.95
OECD Americas	143.25	165.66	206.03	272.40	359.49	383.89	392.88	375.18	389.96
OECD Asia Oceania	35.63	43.34	56.39	87.68	124.91	138.08	142.12	140.02	149.68
OECD Europe*	99.82	115.43	146.95	191.82	233.08	257.17	267.82	254.73	267.22
<b>OECD Total*</b>	<b>278.70</b>	<b>324.43</b>	<b>409.37</b>	<b>551.90</b>	<b>717.47</b>	<b>779.13</b>	<b>802.82</b>	<b>769.93</b>	<b>806.87</b>
<b>World</b>	<b>376.63</b>	<b>438.64</b>	<b>586.05</b>	<b>833.37</b>	<b>1 090.72</b>	<b>1 296.79</b>	<b>1 445.55</b>	<b>1 436.02</b>	<b>1 535.69</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Total final consumption of energy (Mtoe)***Consommation finale totale d'énergie (Mtep)**Gesamter Energieendverbrauch (Mtoe)**Consumo finale totale di energia (Mtep)**最終エネルギー総消費量（石油換算百万トン）**Consumo final total de energia (Mtep)**Общее конечное потребление топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	2.13	2.79	5.89	12.73	15.42	20.64	23.89	26.90	27.03
Angola	2.90	3.13	3.42	4.53	5.73	7.29	9.54	9.95	10.93
Benin	0.97	1.03	1.18	1.44	1.67	2.26	2.86	3.05	3.21
Botswana*	..	..	..	0.90	1.44	1.52	1.81	1.77	1.86
Cameroon	2.57	2.69	3.47	4.75	5.94	6.55	5.47	5.76	5.82
Congo	0.42	0.44	0.51	0.60	0.59	0.75	0.95	1.01	1.09
Dem. Rep. of Congo	6.34	6.64	8.11	10.60	16.29	19.45	21.67	22.42	22.72
Côte d'Ivoire	1.81	3.35	3.79	3.71	4.27	5.07	5.61	5.37	5.24
Egypt	6.73	7.01	13.11	22.91	31.12	42.89	49.94	48.28	49.54
Eritrea*	..	..	..	..	0.57	0.51	0.48	0.50	0.52
Ethiopia	8.15	8.59	10.31	14.14	17.97	20.56	29.64	30.44	31.32
Gabon	0.62	0.67	1.00	1.01	1.33	1.64	1.75	1.82	1.88
Ghana	2.58	2.92	3.42	4.32	6.08	6.45	6.72	7.44	7.48
Kenya	3.76	4.06	5.28	7.49	9.09	10.53	11.51	12.18	12.88
Libya	0.78	1.24	3.99	5.49	9.12	9.52	10.16	10.78	10.93
Morocco	2.19	2.49	3.92	4.99	7.79	9.83	11.46	11.88	12.48
Mozambique	5.44	5.37	5.27	4.75	5.55	6.70	7.48	7.78	8.22
Namibia*	..	..	..	..	0.96	1.26	1.42	1.47	1.52
Nigeria	34.81	37.39	49.47	62.91	83.60	96.17	100.98	102.04	104.50
Senegal	0.81	0.88	1.05	1.08	1.45	1.72	2.17	2.18	2.25
South Africa	33.21	37.09	43.74	51.05	57.20	63.38	71.78	71.02	61.44
Sudan	3.81	4.37	4.66	6.07	7.39	9.04	9.84	10.42	10.67
United Rep. of Tanzania	6.72	6.83	7.12	8.74	12.01	14.78	16.49	16.84	17.43
Togo	0.47	0.48	0.59	0.85	1.28	1.45	1.59	1.63	1.67
Tunisia	1.28	1.45	2.36	3.64	5.51	6.70	7.02	6.88	7.14
Zambia	2.87	3.27	3.61	4.29	4.96	5.72	5.89	6.06	6.24
Zimbabwe	4.95	5.44	6.12	7.97	8.58	8.32	8.24	8.33	8.43
Other Africa	25.40	26.55	31.64	39.55	51.33	59.12	65.28	66.94	68.93
<b>Africa</b>	<b>161.72</b>	<b>176.17</b>	<b>223.04</b>	<b>290.51</b>	<b>374.22</b>	<b>439.80</b>	<b>491.66</b>	<b>501.13</b>	<b>503.37</b>
Argentina	23.22	24.81	29.30	30.07	47.32	49.97	54.59	52.15	53.73
Bolivia	0.86	0.99	1.96	2.16	2.84	3.47	4.56	4.78	5.77
Brazil	62.54	72.83	96.15	111.55	153.30	171.68	194.54	190.77	210.61
Colombia	11.63	11.18	14.38	18.92	21.13	21.69	23.52	22.48	22.42
Costa Rica	1.00	1.11	1.40	1.81	2.28	3.08	3.50	3.41	3.46
Cuba	9.13	8.99	11.51	14.09	9.75	6.92	6.27	6.52	6.23
Dominican Republic	1.85	2.01	2.34	2.70	5.42	5.25	5.77	5.61	5.67
Ecuador	2.12	2.18	3.97	5.27	6.56	7.86	8.75	9.57	9.53
El Salvador	1.65	1.81	2.06	2.03	3.00	3.26	2.86	2.59	2.57
Guatemala	2.41	2.58	3.29	4.04	5.97	6.58	6.74	7.11	8.48
Haiti	1.26	1.33	1.70	1.23	1.71	2.31	2.48	2.34	2.07
Honduras	1.31	1.41	1.78	2.33	2.72	3.35	3.70	3.71	3.75
Jamaica	1.43	2.09	1.79	1.96	2.18	2.87	3.62	2.48	2.09
Netherlands Antilles*	2.13	2.20	1.09	0.63	0.74	0.78	0.83	0.80	0.81
Nicaragua	1.09	1.21	1.34	1.54	2.11	2.45	2.16	2.10	2.23
Panama	0.79	0.89	1.12	1.23	1.99	2.44	2.58	2.85	3.02
Paraguay	1.29	1.42	1.97	2.93	3.65	3.65	3.84	4.03	4.31
Peru	7.89	8.19	9.16	8.56	10.60	10.98	12.64	13.94	14.90
Trinidad and Tobago	0.88	1.10	1.76	3.71	8.41	12.58	14.48	15.43	15.84
Uruguay	1.92	1.92	2.12	1.93	2.51	2.38	3.19	3.32	3.61
Venezuela	9.99	13.17	23.18	27.66	35.21	43.52	38.60	38.93	45.18
Other Non-OECD Americas	2.07	2.74	3.82	4.95	5.94	6.31	6.41	6.51	6.64
<b>Non-OECD Americas</b>	<b>148.44</b>	<b>166.16</b>	<b>217.22</b>	<b>251.31</b>	<b>335.35</b>	<b>373.38</b>	<b>405.64</b>	<b>401.43</b>	<b>432.92</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Total final consumption of energy (Mtoe)

Consommation finale totale d'énergie (Mtep)

Gesamter Energieendverbrauch (Mtoe)

Consumo finale totale di energia (Mtep)

最終エネルギー総消費量（石油換算百万トン）

Consumo final total de energia (Mtep)

Общее конечное потребление топлива и энергии (Мтнэ)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	5.36	5.92	7.78	10.97	15.30	18.82	21.70	22.89	22.90
Brunei Darussalam	0.10	0.10	0.21	0.35	0.58	0.67	1.61	1.65	1.70
Cambodia*	..	..	..	..	2.95	2.87	2.89	4.13	4.26
Chinese Taipei	7.30	9.41	18.77	29.36	48.64	60.44	63.29	62.88	67.71
India	143.12	149.07	179.28	251.69	318.58	360.23	415.24	441.33	457.49
Indonesia	32.07	34.13	49.65	79.82	120.39	134.24	140.74	146.52	156.45
DPR of Korea	16.42	17.09	25.28	27.33	17.03	18.43	17.42	16.62	16.06
Malaysia	4.66	4.64	7.28	13.95	29.57	37.61	44.33	42.72	43.33
Mongolia*	..	..	..	2.97	1.53	1.86	2.30	2.40	2.28
Myanmar	7.16	7.15	8.36	9.40	11.48	12.97	12.44	12.60	12.89
Nepal	3.65	3.86	4.55	5.76	8.04	9.05	9.50	9.87	10.13
Pakistan	15.65	16.86	22.49	36.20	50.93	61.87	67.04	68.82	69.83
Philippines	12.65	14.19	16.54	19.80	24.01	22.88	22.42	22.90	23.82
Singapore	1.09	1.40	2.13	5.01	9.47	16.62	18.80	19.97	23.72
Sri Lanka	3.63	3.90	4.28	5.30	7.36	8.05	8.03	7.97	8.93
Thailand	9.57	10.88	15.18	28.87	50.50	69.78	73.61	77.82	84.58
Vietnam	12.45	13.12	13.06	16.06	25.09	35.35	41.53	45.05	48.52
Other Asia	3.69	3.92	7.04	6.09	7.17	8.00	9.04	9.82	10.31
<b>Asia</b>	<b>278.58</b>	<b>295.64</b>	<b>381.89</b>	<b>548.93</b>	<b>748.60</b>	<b>879.74</b>	<b>971.92</b>	<b>1 015.97</b>	<b>1 064.91</b>
People's Rep. of China	341.15	368.29	494.59	666.60	814.55	1 162.38	1 369.86	1 431.92	1 512.22
Hong Kong, China	2.12	2.06	2.91	5.21	9.21	7.54	8.07	8.91	8.32
<b>China</b>	<b>343.27</b>	<b>370.35</b>	<b>497.49</b>	<b>671.80</b>	<b>823.76</b>	<b>1 169.92</b>	<b>1 377.93</b>	<b>1 440.84</b>	<b>1 520.54</b>
Albania	1.42	1.42	2.70	2.24	1.56	1.98	1.84	1.94	1.96
Armenia*	..	..	..	6.46	1.10	1.71	2.21	1.91	1.79
Azerbaijan*	..	..	..	16.00	6.70	8.16	7.74	6.57	6.82
Belarus*	..	..	..	34.48	18.13	19.11	19.81	19.27	19.93
Bosnia and Herzegovina*	..	..	..	4.89	2.26	2.61	3.33	2.90	3.17
Bulgaria	14.71	15.78	19.61	17.43	9.53	10.35	10.61	9.02	9.08
Croatia*	..	..	..	6.48	6.00	6.99	7.27	6.91	6.89
Cyprus	0.44	0.55	0.61	0.87	1.44	1.59	1.74	1.73	1.72
Georgia*	..	..	..	8.98	2.30	2.22	2.46	2.43	2.62
Gibraltar	0.03	0.02	0.03	0.05	0.11	0.13	0.13	0.13	0.14
Kazakhstan*	..	..	..	59.63	21.61	30.60	42.96	34.92	43.72
Kosovo*	..	..	..	..	0.77	0.98	1.17	1.18	1.20
Kyrgyzstan*	..	..	..	6.91	1.81	2.10	2.36	2.71	2.61
Latvia*	..	..	..	6.42	3.30	4.06	4.17	4.01	4.21
Lithuania*	..	..	..	10.40	4.41	5.37	6.19	5.28	5.42
FYR of Macedonia*	..	..	..	1.51	1.57	1.70	1.80	1.70	1.82
Malta	0.13	0.15	0.16	0.27	0.32	0.32	0.38	0.36	0.36
Republic of Moldova*	..	..	..	6.65	1.40	2.22	2.06	1.70	1.83
Montenegro*	..	..	..	..	..	0.44	0.49	0.45	0.44
Romania	32.61	35.34	57.89	43.15	23.78	26.05	26.58	23.66	23.60
Russian Federation*	..	..	..	625.00	418.72	412.36	434.88	418.15	445.76
Serbia*	..	..	..	12.13	7.16	9.74	10.11	8.86	9.58
Tajikistan*	..	..	..	4.68	1.80	1.94	2.11	2.00	2.01
Turkmenistan*	..	..	..	12.33	7.99	10.06	12.39	11.26	12.20
Ukraine*	..	..	..	135.50	67.64	77.59	78.83	69.01	73.79
Uzbekistan*	..	..	..	34.95	37.28	33.77	37.62	32.24	31.10
Former Soviet Union*	501.63	562.48	767.84	x	x	x	x	x	x
Former Yugoslavia*	16.73	17.00	20.44	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>567.68</b>	<b>632.75</b>	<b>869.29</b>	<b>1 057.44</b>	<b>648.67</b>	<b>674.15</b>	<b>721.24</b>	<b>670.30</b>	<b>713.77</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total final consumption of energy (Mtoe)***Consommation finale totale d'énergie (Mtep)**Gesamter Energieendverbrauch (Mtoe)**Consumo finale totale di energia (Mtep)**最終エネルギー総消費量（石油換算百万トン）**Consumo final total de energia (Mtep)**Общее конечное потребление топлива и энергии (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.29	0.72	1.27	2.37	2.55	3.37	4.99	5.10	5.34
Islamic Republic of Iran	12.43	16.60	27.59	54.69	92.71	124.45	152.45	159.91	157.18
Iraq	2.58	3.02	7.69	14.92	19.05	21.04	17.74	19.07	20.87
Jordan	0.38	0.46	1.16	2.33	3.54	4.62	4.48	4.76	4.61
Kuwait	3.40	3.93	6.26	3.95	8.15	12.18	11.36	11.73	13.33
Lebanon	1.42	1.69	1.48	1.14	3.29	3.50	3.33	4.39	3.93
Oman	0.08	0.09	0.55	1.88	3.07	4.79	6.84	7.57	7.73
Qatar	0.46	0.73	1.94	3.34	5.23	8.37	11.10	12.73	13.29
Saudi Arabia	2.08	3.07	21.14	35.89	54.97	74.80	94.04	99.56	105.36
Syrian Arab Republic	1.67	1.47	3.85	7.61	10.52	13.86	15.10	12.49	13.62
United Arab Emirates	0.96	1.13	5.56	16.19	25.45	26.55	38.43	43.10	45.20
Yemen	0.32	0.51	0.99	1.81	3.32	4.79	5.30	5.35	5.18
<b>Middle East</b>	<b>26.08</b>	<b>33.42</b>	<b>79.49</b>	<b>146.11</b>	<b>231.84</b>	<b>302.32</b>	<b>365.15</b>	<b>385.77</b>	<b>395.64</b>
<b>Non-OECD Total*</b>	<b>1 525.77</b>	<b>1 674.50</b>	<b>2 268.41</b>	<b>2 966.10</b>	<b>3 162.44</b>	<b>3 839.32</b>	<b>4 333.54</b>	<b>4 415.43</b>	<b>4 631.14</b>
<i>European Union - 27*</i>	..	..	..	1 123.92	1 169.04	1 238.52	1 217.80	1 150.95	1 194.21
OECD Americas	1 386.11	1 492.94	1 539.62	1 547.78	1 854.53	1 899.87	1 876.12	1 782.24	1 833.43
OECD Asia Oceania	257.34	300.53	321.38	438.46	566.71	584.19	569.16	563.24	584.87
OECD Europe*	919.15	1 022.01	1 080.61	1 123.19	1 225.59	1 299.58	1 287.02	1 223.22	1 272.81
<b>OECD Total*</b>	<b>2 562.60</b>	<b>2 815.48</b>	<b>2 941.62</b>	<b>3 109.43</b>	<b>3 646.83</b>	<b>3 783.65</b>	<b>3 732.30</b>	<b>3 568.70</b>	<b>3 691.11</b>
<b>World marine bunkers</b>	<b>108.24</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>4 253.11</b>	<b>4 672.26</b>	<b>5 386.91</b>	<b>6 276.06</b>	<b>7 080.53</b>	<b>7 938.51</b>	<b>8 411.73</b>	<b>8 316.56</b>	<b>8 676.63</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

**Consumption of coal and peat in industry (Mtoe)***Consommation industrielle de charbon et de tourbe (Mtep)**Industrieverbrauch von Kohle und Torf (Mtoe)**Consumo di carbone e torba nell'industria (Mtep)**石炭及び泥炭の産業用消費量（石油換算百万トン）**Consumo industrial de carbón y turba (Mtep)**Потребление угля и торфа промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.06	0.06	0.03	0.25	0.08	0.17	0.19	0.12	0.11
Botswana*	..	..	..	0.11	0.16	0.16	0.19	0.18	0.19
Dem. Rep. of Congo	0.22	0.18	0.13	0.14	0.11	0.14	0.16	0.17	0.18
Egypt	0.16	0.12	0.25	0.35	0.39	0.42	0.39	0.38	0.37
Kenya	0.01	0.01	0.01	0.09	0.04	0.05	0.07	0.06	0.10
Morocco	0.18	0.07	0.02	0.35	0.53	0.12	0.04	0.02	0.02
Mozambique	0.37	0.35	0.15	0.02	-	-	0.00	0.00	0.00
Nigeria	0.03	0.08	0.09	0.04	0.00	0.00	0.00	0.00	0.00
Senegal	-	-	-	-	-	0.09	0.13	0.16	0.16
South Africa	9.24	10.96	15.31	13.87	14.35	11.97	10.57	11.52	10.61
Sudan	-	-	0.00	-	-	-	-	-	-
United Rep. of Tanzania	-	-	0.00	0.00	0.03	0.02	0.02	0.02	0.02
Tunisia	0.04	0.05	0.04	0.05	0.04	-	-	-	-
Zambia	0.41	0.47	0.31	0.18	0.06	0.07	0.00	0.00	0.00
Zimbabwe	0.59	0.68	0.77	1.03	0.58	0.32	0.21	0.23	0.24
Other Africa	0.02	0.03	0.09	0.03	0.10	0.07	0.08	0.06	0.06
<b>Africa</b>	<b>11.34</b>	<b>13.06</b>	<b>17.22</b>	<b>16.51</b>	<b>16.48</b>	<b>13.62</b>	<b>12.08</b>	<b>12.92</b>	<b>12.09</b>
Argentina	0.26	0.27	0.21	0.19	0.38	0.25	0.19	0.19	0.18
Brazil	0.69	0.78	2.19	3.75	5.58	5.36	5.89	4.74	7.06
Colombia	0.84	0.89	1.19	1.47	2.19	1.65	1.58	1.59	1.04
Costa Rica	0.00	0.00	0.00	-	0.00	0.02	0.04	0.04	0.03
Cuba	0.03	0.02	0.08	0.13	0.02	0.02	0.02	0.01	0.01
Dominican Republic	-	-	-	-	-	-	0.07	0.07	0.07
El Salvador	-	-	0.00	-	0.00	0.00	-	-	-
Guatemala	-	-	0.01	-	-	-	-	-	-
Haiti	-	-	-	0.01	-	-	-	-	-
Honduras	-	-	-	0.00	0.08	0.11	0.11	0.11	0.11
Jamaica	-	-	-	0.04	0.04	0.04	0.03	0.03	0.04
Panama	0.00	0.01	-	0.02	0.04	0.23	0.02	0.04	0.07
Peru	0.08	0.09	0.09	0.10	0.44	0.60	0.60	0.58	0.64
Uruguay	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Venezuela	0.09	0.16	0.10	0.35	0.13	0.04	0.14	0.24	0.20
<b>Non-OECD Americas</b>	<b>2.00</b>	<b>2.23</b>	<b>3.88</b>	<b>6.06</b>	<b>8.90</b>	<b>8.32</b>	<b>8.70</b>	<b>7.65</b>	<b>9.47</b>
Bangladesh	0.09	0.12	0.12	0.28	0.33	0.35	0.40	0.40	0.40
Chinese Taipei	1.96	1.83	2.10	3.58	4.96	5.97	6.52	6.08	7.83
India	11.06	11.03	14.78	28.71	25.17	34.51	46.28	52.55	62.06
Indonesia	0.06	0.03	0.08	2.13	4.65	8.34	11.91	10.45	12.86
DPR of Korea	11.00	11.33	16.23	18.09	10.68	11.74	10.97	10.55	10.10
Malaysia	0.01	0.01	0.05	0.51	0.99	1.34	1.71	1.28	1.83
Mongolia*	..	..	..	0.54	0.09	0.04	0.13	0.12	0.12
Myanmar	0.13	0.04	0.14	0.05	0.30	0.16	0.21	0.22	0.22
Nepal	0.01	0.05	0.05	0.04	0.26	0.24	0.18	0.19	0.20
Pakistan	0.48	0.50	0.62	1.52	1.37	3.29	3.96	4.05	3.86
Philippines	0.00	0.00	0.22	0.76	0.87	1.21	1.84	1.68	1.99
Singapore	0.00	0.00	0.00	0.02	-	0.00	0.00	0.00	0.01
Sri Lanka	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.07	0.07
Thailand	0.02	0.02	0.09	1.31	3.54	6.75	7.78	7.88	9.21
Vietnam	0.00	0.00	0.93	1.02	2.34	3.96	6.68	7.47	8.23
Other Asia	0.78	0.76	1.85	0.19	0.30	0.33	0.64	0.68	0.73
<b>Asia</b>	<b>25.62</b>	<b>25.73</b>	<b>37.27</b>	<b>58.77</b>	<b>55.84</b>	<b>78.30</b>	<b>99.27</b>	<b>103.68</b>	<b>119.70</b>
People's Rep. of China	85.54	91.54	138.45	201.95	234.45	360.79	418.56	438.72	430.16
Hong Kong, China	0.02	0.01	0.01	0.01	0.02	0.55	1.03	1.35	0.96
<b>China</b>	<b>85.56</b>	<b>91.55</b>	<b>138.46</b>	<b>201.97</b>	<b>234.47</b>	<b>361.34</b>	<b>419.59</b>	<b>440.06</b>	<b>431.12</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of coal and peat in industry (Mtoe)***Consommation industrielle de charbon et de tourbe (Mtep)**Industrieverbrauch von Kohle und Torf (Mtoe)**Consumo di carbone e torba nell'industria (Mtep)*

石炭及び泥炭の産業用消費量（石油換算百万トン）

*Consumo industrial de carbón y turba (Mtep)**Потребление угля и торфа промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	0.17	0.20	0.34	0.17	0.01	0.01	0.01	0.05	0.06
Belarus*	..	..	..	0.08	0.06	0.07	0.07	0.07	0.08
Bosnia and Herzegovina*	..	..	..	0.76	0.30	0.15	0.18	0.17	0.19
Bulgaria	2.44	2.43	2.55	0.87	0.50	0.51	0.43	0.21	0.26
Croatia*	..	..	..	0.39	0.06	0.14	0.15	0.13	0.14
Cyprus	-	-	-	0.06	0.03	0.04	0.03	0.01	0.02
Georgia*	..	..	..	0.58	-	0.01	0.03	0.03	0.01
Kazakhstan*	..	..	..	15.78	3.84	7.33	12.81	9.46	10.28
Kosovo*	..	..	..	..	0.03	0.03	0.02	0.02	0.05
Kyrgyzstan*	..	..	..	2.08	0.22	0.40	0.42	0.47	0.46
Latvia*	..	..	..	0.03	0.01	0.03	0.05	0.04	0.05
Lithuania*	..	..	..	0.05	0.01	0.09	0.12	0.07	0.09
FYR of Macedonia*	..	..	..	0.11	0.10	0.11	0.14	0.06	0.11
Republic of Moldova*	..	..	..	0.20	0.01	0.00	0.04	0.03	0.03
Montenegro*	..	..	..	..	..	0.01	0.01	0.01	0.00
Romania	1.57	1.74	3.43	2.20	0.73	1.14	0.93	0.63	0.70
Russian Federation*	..	..	..	14.59	8.88	8.00	10.38	13.71	15.24
Serbia*	..	..	..	0.39	0.70	0.45	0.66	0.33	0.44
Ukraine*	..	..	..	17.98	7.30	9.65	9.99	7.20	7.56
Uzbekistan*	..	..	..	-	0.07	0.09	0.14	0.11	0.09
Former Soviet Union*	37.89	42.09	66.61	x	x	x	x	x	x
Former Yugoslavia*	3.28	3.05	1.58	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>45.35</b>	<b>49.50</b>	<b>74.50</b>	<b>56.32</b>	<b>22.87</b>	<b>28.25</b>	<b>36.62</b>	<b>32.80</b>	<b>35.84</b>
Islamic Republic of Iran	0.06	0.17	0.28	0.18	0.24	0.53	0.33	0.24	0.22
Lebanon	0.00	0.01	0.00	-	0.13	0.13	0.13	0.07	0.22
Syrian Arab Republic	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00
United Arab Emirates	-	-	-	-	-	0.15	0.34	0.55	0.72
<b>Middle East</b>	<b>0.07</b>	<b>0.18</b>	<b>0.28</b>	<b>0.18</b>	<b>0.37</b>	<b>0.81</b>	<b>0.81</b>	<b>0.86</b>	<b>1.16</b>
<b>Non-OECD Total*</b>	<b>169.93</b>	<b>182.25</b>	<b>271.61</b>	<b>339.80</b>	<b>338.94</b>	<b>490.64</b>	<b>577.06</b>	<b>597.97</b>	<b>609.38</b>
<i>European Union - 27*</i>	..	..	..	69.93	38.50	33.36	31.62	23.44	26.42
OECD Americas	67.24	66.85	54.57	51.25	35.91	34.26	33.36	26.66	30.46
OECD Asia Oceania	22.60	24.64	27.41	39.38	39.45	39.87	40.58	36.28	40.24
OECD Europe*	98.40	94.30	80.66	72.37	47.19	40.70	37.09	29.13	33.41
<b>OECD Total*</b>	<b>188.23</b>	<b>185.79</b>	<b>162.65</b>	<b>163.00</b>	<b>122.56</b>	<b>114.83</b>	<b>111.04</b>	<b>92.07</b>	<b>104.11</b>
<b>World</b>	<b>358.16</b>	<b>368.04</b>	<b>434.25</b>	<b>502.80</b>	<b>461.49</b>	<b>605.47</b>	<b>688.10</b>	<b>690.04</b>	<b>713.49</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Consumption of oil in industry (Mtoe)

*Consommation industrielle de pétrole (Mtep)**Ölverbrauch der Industrie (Mtoe)**Consumo di petrolio nell'industria (Mtep)**石油の産業用消費量 (石油換算百万トン)**Consumo industrial de petróleo (Mtep)**Потребление нефти и нефтепродуктов промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.23	0.48	0.95	1.45	1.57	1.58	2.30	2.15	1.75
Angola	0.09	0.10	0.10	0.29	0.33	0.52	0.37	0.47	0.46
Benin	0.00	0.00	0.01	0.01	0.05	0.04	0.04	0.05	0.05
Botswana*	..	..	..	0.03	0.09	0.11	0.16	0.15	0.16
Cameroon	0.03	0.02	0.05	0.09	0.09	0.08	0.10	0.12	0.12
Congo	0.05	0.05	0.02	0.03	0.02	0.02	0.04	0.03	0.03
Dem. Rep. of Congo	0.00	0.00	0.00	0.10	0.04	0.07	0.08	0.08	0.08
Côte d'Ivoire	0.24	0.26	0.26	0.19	0.28	0.15	0.21	0.21	0.18
Egypt	2.59	2.59	4.69	7.48	6.83	8.56	6.41	4.52	4.39
Eritrea*	..	..	..	..	0.02	0.03	0.01	0.01	0.01
Ethiopia	0.11	0.12	0.11	0.21	0.29	0.40	0.44	0.42	0.44
Gabon	0.12	0.13	0.26	0.05	0.16	0.29	0.29	0.31	0.34
Ghana	0.15	0.16	0.16	0.17	0.28	0.37	0.39	0.50	0.48
Kenya	0.22	0.22	0.35	0.38	0.30	0.49	0.58	0.69	0.77
Libya	0.02	0.13	0.75	1.04	1.51	1.63	1.49	1.57	1.67
Morocco	0.71	0.91	1.57	1.28	1.23	2.18	2.42	2.50	2.50
Mozambique	0.03	0.04	0.00	0.02	0.03	0.08	0.09	0.10	0.10
Namibia*	..	..	..	..	0.06	0.07	0.09	0.09	0.10
Nigeria	0.29	0.64	1.37	1.02	0.58	0.52	0.62	0.32	0.33
Senegal	0.11	0.13	0.18	0.09	0.16	0.13	0.12	0.11	0.11
South Africa	2.04	2.36	3.00	3.60	2.11	2.68	4.95	4.63	3.56
Sudan	0.21	0.54	0.34	0.32	0.33	0.30	0.44	0.59	0.68
United Rep. of Tanzania	0.12	0.14	0.12	0.12	0.12	0.13	0.16	0.17	0.18
Togo	-	-	-	0.01	0.09	0.04	0.03	0.03	0.03
Tunisia	0.26	0.30	0.59	0.78	0.89	1.25	1.12	0.95	0.95
Zambia	0.19	0.30	0.23	0.21	0.16	0.20	0.26	0.28	0.26
Zimbabwe	0.09	0.11	0.10	0.12	0.12	0.09	0.07	0.07	0.08
Other Africa	0.12	0.16	0.40	0.62	0.76	0.84	1.18	1.15	1.19
<b>Africa</b>	<b>8.05</b>	<b>9.90</b>	<b>15.61</b>	<b>19.72</b>	<b>18.49</b>	<b>22.87</b>	<b>24.45</b>	<b>22.27</b>	<b>20.98</b>
Argentina	5.11	4.42	4.34	2.78	6.86	7.45	7.38	7.45	7.05
Bolivia	0.14	0.16	0.16	0.14	0.06	0.07	0.09	0.09	0.11
Brazil	7.93	11.09	19.48	16.93	26.58	23.41	25.42	25.52	27.26
Colombia	1.55	1.46	1.33	1.54	3.29	2.80	2.54	1.93	2.03
Costa Rica	0.11	0.13	0.19	0.22	0.33	0.31	0.31	0.30	0.28
Cuba	2.79	2.51	3.38	3.39	3.37	1.97	2.10	2.65	2.66
Dominican Republic	0.21	0.28	0.38	0.25	0.48	0.33	0.37	0.39	0.39
Ecuador	0.18	0.17	0.79	0.97	1.38	1.69	1.69	1.88	1.67
El Salvador	0.15	0.18	0.21	0.21	0.36	0.39	0.52	0.48	0.44
Guatemala	0.27	0.22	0.24	0.24	0.43	0.78	0.49	0.58	0.45
Haiti	0.05	0.05	0.07	0.06	0.09	0.13	0.17	0.15	0.17
Honduras	0.09	0.11	0.17	0.24	0.23	0.18	0.34	0.26	0.27
Jamaica	0.64	1.19	1.24	0.17	0.15	0.14	0.09	0.08	0.06
Netherlands Antilles*	1.45	1.59	0.39	0.20	0.23	0.24	0.26	0.25	0.26
Nicaragua	0.06	0.08	0.08	0.12	0.15	0.22	0.19	0.16	0.20
Panama	0.10	0.13	0.19	0.14	0.27	0.31	0.41	0.53	0.54
Paraguay	0.03	0.04	0.04	0.06	0.09	0.08	0.04	0.04	0.05
Peru	1.15	1.30	1.71	1.15	1.83	1.79	1.73	1.86	1.49
Trinidad and Tobago	0.06	0.06	0.19	0.10	0.08	0.27	0.14	0.17	0.16
Uruguay	0.46	0.45	0.48	0.23	0.27	0.20	0.25	0.26	0.25
Venezuela	1.58	1.77	2.53	3.21	5.19	5.21	6.22	6.23	11.10
Other Non-OECD Americas	0.02	0.02	0.05	0.18	0.35	0.42	0.45	0.47	0.48
<b>Non-OECD Americas</b>	<b>24.13</b>	<b>27.42</b>	<b>37.64</b>	<b>32.53</b>	<b>52.09</b>	<b>48.40</b>	<b>51.21</b>	<b>51.76</b>	<b>57.38</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of oil in industry (Mtoe)***Consommation industrielle de pétrole (Mtep)**Ölverbrauch der Industrie (Mtoe)**Consumo di petrolio nell'industria (Mtep)**石油の産業用消費量 (石油換算百万トン)**Consumo industrial de petróleo (Mtep)**Потребление нефти и нефтепродуктов промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.19	0.27	0.41	0.27	0.72	0.69	0.61	0.58	0.56
Brunei Darussalam	0.03	0.03	0.06	0.06	0.07	0.06	0.09	0.15	0.16
Cambodia*	..	..	..	..	0.02	0.04	0.06	0.13	0.21
Chinese Taipei	1.52	2.38	7.12	8.58	13.82	19.55	22.46	23.22	24.33
India	6.82	8.26	9.16	16.10	42.33	43.18	49.63	49.49	50.64
Indonesia	1.55	1.81	5.37	8.82	12.82	14.66	14.60	14.71	15.47
DPR of Korea	0.09	0.09	0.36	0.37	0.07	0.08	0.08	0.06	0.05
Malaysia	1.94	1.53	2.70	3.71	6.02	6.18	6.35	8.88	7.29
Mongolia*	..	..	..	0.22	0.09	0.15	0.24	0.23	0.28
Myanmar	0.37	0.27	0.43	0.14	0.20	0.22	0.15	0.15	0.23
Nepal	-	0.00	0.01	0.02	0.04	0.04	0.02	0.02	0.02
Pakistan	0.29	0.37	0.43	1.47	2.27	2.31	1.39	1.42	1.70
Philippines	1.79	2.30	2.34	2.51	2.74	1.79	1.65	1.45	1.52
Singapore	0.28	0.45	0.58	2.42	5.04	11.21	12.58	13.29	16.47
Sri Lanka	0.10	0.21	0.19	0.15	0.32	0.35	0.36	0.33	0.32
Thailand	1.65	1.90	2.26	3.19	9.87	16.45	15.58	17.18	19.84
Vietnam	0.02	0.01	0.50	0.48	1.65	3.06	3.18	3.53	4.68
Other Asia	0.06	0.08	0.18	0.19	0.57	0.74	0.43	0.30	0.32
<b>Asia</b>	<b>16.70</b>	<b>19.96</b>	<b>32.10</b>	<b>48.70</b>	<b>98.67</b>	<b>120.77</b>	<b>129.45</b>	<b>135.12</b>	<b>144.11</b>
People's Rep. of China	18.62	21.14	28.38	35.00	59.75	81.29	94.63	100.77	123.90
Hong Kong, China	0.85	0.76	0.75	1.09	1.51	0.77	1.00	0.91	0.86
<b>China</b>	<b>19.46</b>	<b>21.90</b>	<b>29.13</b>	<b>36.09</b>	<b>61.26</b>	<b>82.06</b>	<b>95.63</b>	<b>101.68</b>	<b>124.76</b>
Albania	0.23	0.06	0.66	0.56	0.18	0.22	0.22	0.28	0.26
Armenia*	..	..	..	0.74	0.02	0.01	0.01	0.01	0.01
Azerbaijan*	..	..	..	1.02	0.74	0.81	0.74	0.57	0.52
Belarus*	..	..	..	9.21	2.35	2.31	2.09	1.96	1.63
Bosnia and Herzegovina*	..	..	..	0.75	0.06	0.09	0.11	0.14	0.17
Bulgaria	0.27	0.35	0.66	1.83	1.50	1.32	1.26	0.74	0.50
Croatia*	..	..	..	0.94	0.66	0.76	0.81	0.63	0.48
Cyprus	0.14	0.19	0.27	0.20	0.45	0.30	0.28	0.25	0.23
Georgia*	..	..	..	0.92	0.07	0.10	0.14	0.04	0.10
Gibraltar	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
Kazakhstan*	..	..	..	7.38	2.00	3.07	2.40	1.99	2.16
Kosovo*	..	..	..	..	0.08	0.10	0.12	0.12	0.13
Kyrgyzstan*	..	..	..	..	0.01	0.02	0.06	0.06	0.06
Latvia*	..	..	..	0.49	0.21	0.16	0.17	0.13	0.14
Lithuania*	..	..	..	1.41	0.27	0.29	0.29	0.18	0.20
FYR of Macedonia*	..	..	..	0.42	0.19	0.19	0.20	0.17	0.20
Malta	-	-	0.00	0.01	-	0.02	0.02	0.04	0.02
Republic of Moldova*	..	..	..	0.00	0.01	0.01	0.06	0.02	0.01
Montenegro*	..	..	..	..	..	0.03	0.07	0.07	0.08
Romania	2.03	2.16	3.72	2.96	2.36	2.36	2.71	1.93	1.60
Russian Federation*	..	..	..	43.62	35.64	32.44	36.41	36.59	37.29
Serbia*	..	..	..	2.47	0.31	1.13	1.12	0.79	0.92
Turkmenistan*	..	..	..	0.81	0.42	0.49	0.58	0.54	0.51
Ukraine*	..	..	..	12.84	1.53	2.08	3.08	2.03	2.29
Uzbekistan*	..	..	..	1.92	0.95	0.71	0.64	0.64	0.56
Former Soviet Union*	76.70	89.45	119.16	x	x	x	x	x	x
Former Yugoslavia*	2.88	3.76	5.24	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>82.26</b>	<b>95.98</b>	<b>129.73</b>	<b>90.52</b>	<b>50.01</b>	<b>49.04</b>	<b>53.61</b>	<b>49.94</b>	<b>50.07</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of oil in industry (Mtoe)***Consommation industrielle de pétrole (Mtep)**Ölverbrauch der Industrie (Mtoe)**Consumo di petrolio nell'industria (Mtep)**石油の産業用消費量 (石油換算百万トン)**Consumo industrial de petróleo (Mtep)**Потребление нефти и нефтепродуктов промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	-	-	0.02	0.02	0.01	0.04	0.06	0.06	0.07
Islamic Republic of Iran	3.77	4.85	7.45	12.32	10.54	13.00	20.96	20.77	16.12
Iraq	0.40	0.51	1.65	2.91	3.27	3.99	2.79	2.85	2.90
Jordan	0.08	0.09	0.26	0.53	0.82	1.09	0.96	0.97	0.86
Kuwait	0.14	0.14	0.82	0.48	1.21	2.38	1.71	1.94	1.94
Lebanon	0.45	0.47	-	0.10	0.28	0.44	0.18	0.25	0.14
Oman	0.01	0.01	0.06	0.51	0.93	1.34	1.76	1.75	1.83
Qatar	-	-	0.03	0.01	0.03	1.17	0.29	0.85	0.63
Saudi Arabia	0.61	1.13	12.37	11.21	21.83	29.03	31.45	34.84	39.25
Syrian Arab Republic	0.72	0.43	1.82	1.37	1.56	2.13	2.49	2.02	2.39
United Arab Emirates	-	-	0.79	2.39	2.20	1.98	2.18	2.67	3.13
Yemen	-	-	-	0.07	0.42	0.73	0.93	0.74	0.45
<b>Middle East</b>	<b>6.16</b>	<b>7.63</b>	<b>25.27</b>	<b>31.90</b>	<b>43.12</b>	<b>57.32</b>	<b>65.76</b>	<b>69.71</b>	<b>69.70</b>
<b>Non-OECD Total*</b>	<b>156.77</b>	<b>182.79</b>	<b>269.48</b>	<b>259.46</b>	<b>323.64</b>	<b>380.45</b>	<b>420.10</b>	<b>430.49</b>	<b>467.00</b>
<i>European Union - 27*</i>	..	..	..	135.10	139.34	139.09	134.99	121.22	123.28
OECD Americas	158.17	184.51	218.03	177.15	193.13	222.59	199.05	181.76	192.78
OECD Asia Oceania	96.72	111.64	87.26	95.83	120.85	118.14	109.46	114.25	115.35
OECD Europe*	201.06	221.12	190.01	138.41	146.59	146.60	140.72	129.57	132.37
<b>OECD Total*</b>	<b>455.94</b>	<b>517.26</b>	<b>495.30</b>	<b>411.40</b>	<b>460.57</b>	<b>487.34</b>	<b>449.23</b>	<b>425.58</b>	<b>440.49</b>
<b>World</b>	<b>612.71</b>	<b>700.06</b>	<b>764.78</b>	<b>670.86</b>	<b>784.21</b>	<b>867.79</b>	<b>869.33</b>	<b>856.06</b>	<b>907.50</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Consumption of natural gas in industry (Mtoe)***Consommation industrielle de gaz naturel (Mtep)**Erdgasverbrauch der Industrie (Mtoe)**Consumo di gas nell'industria (Mtep)**天然ガスの産業用消費量（石油換算百万トン）**Consumo industrial de gas natural (Mtep)**Потребление природного газа промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.16	0.18	0.45	2.02	2.60	3.14	3.38	3.79	4.27
Angola	0.04	0.05	0.06	0.44	0.47	0.53	0.56	0.56	0.60
Egypt	-	-	0.75	2.35	3.62	8.26	11.78	9.89	10.43
Gabon	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libya	0.28	0.26	1.01	1.29	2.15	2.06	2.35	2.35	2.27
Morocco	0.04	0.06	0.06	0.04	0.04	0.03	0.04	0.04	0.04
Mozambique	-	-	-	-	-	0.02	0.05	0.06	0.06
Nigeria	0.03	0.03	0.04	0.72	0.97	1.35	1.54	0.99	1.21
United Rep. of Tanzania	-	-	-	-	-	0.05	0.07	0.08	0.10
Tunisia	0.00	0.01	0.08	0.26	0.45	0.62	0.82	0.73	0.79
Other Africa	-	-	-	-	0.00	0.00	0.00	0.00	0.00
<b>Africa</b>	<b>0.55</b>	<b>0.59</b>	<b>2.45</b>	<b>7.12</b>	<b>10.30</b>	<b>16.06</b>	<b>20.58</b>	<b>18.49</b>	<b>19.76</b>
Argentina	1.71	2.31	3.02	4.30	6.59	7.78	8.59	7.90	6.84
Bolivia	-	0.00	0.04	0.17	0.32	0.38	0.46	0.56	0.54
Brazil	0.04	0.09	0.74	2.22	4.35	7.54	8.67	7.44	10.15
Colombia	0.11	0.21	0.54	0.79	0.98	1.70	2.21	1.74	1.93
Cuba	0.00	0.00	0.00	0.00	0.13	0.14	0.35	0.36	0.33
Dominican Republic	-	-	-	-	-	-	-	0.01	0.04
Peru	-	0.00	0.04	0.03	-	0.14	0.56	0.57	0.70
Trinidad and Tobago	0.46	0.52	0.86	2.82	7.17	10.92	12.53	13.38	13.76
Uruguay	-	-	-	-	0.03	0.05	0.04	0.02	0.01
Venezuela	1.71	3.41	6.90	7.73	9.58	13.22	6.86	6.21	6.73
Other Non-OECD Americas	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Non-OECD Americas</b>	<b>4.02</b>	<b>6.55</b>	<b>12.13</b>	<b>18.06</b>	<b>29.14</b>	<b>41.88</b>	<b>40.26</b>	<b>38.19</b>	<b>41.04</b>
Bangladesh	0.19	0.33	0.56	1.56	2.78	3.23	4.00	4.20	3.03
Brunei Darussalam	-	-	-	-	-	-	0.78	0.77	0.81
Chinese Taipei	0.62	0.87	1.09	0.34	0.74	0.80	0.82	0.82	1.01
India	0.27	0.27	0.63	5.52	9.19	14.09	15.90	20.82	20.43
Indonesia	0.10	0.12	2.36	6.00	11.49	13.57	12.20	15.28	15.69
Malaysia	-	-	0.00	0.98	3.45	6.17	9.46	5.88	5.37
Myanmar	0.02	0.03	0.08	0.22	0.32	0.40	0.40	0.41	0.41
Pakistan	1.41	1.69	2.58	4.25	6.49	10.22	11.01	11.52	10.64
Philippines	-	-	-	-	-	0.01	0.07	0.07	0.07
Singapore	-	-	-	-	-	0.33	0.43	0.57	0.80
Thailand	-	-	-	0.14	1.11	1.81	2.29	3.19	3.12
Vietnam	-	-	-	-	0.02	0.54	0.67	0.64	0.49
<b>Asia</b>	<b>2.60</b>	<b>3.31</b>	<b>7.31</b>	<b>19.01</b>	<b>35.59</b>	<b>51.17</b>	<b>58.03</b>	<b>64.16</b>	<b>61.88</b>
People's Rep. of China	1.35	2.16	6.09	7.07	8.89	16.84	25.82	24.36	25.75
<b>China</b>	<b>1.35</b>	<b>2.16</b>	<b>6.09</b>	<b>7.07</b>	<b>8.89</b>	<b>16.84</b>	<b>25.82</b>	<b>24.36</b>	<b>25.75</b>

Includes non-energy use for industry/transformation processes/energy industry.

## Consumption of natural gas in industry (Mtoe)

*Consommation industrielle de gaz naturel (Mtep)*

*Erdgasverbrauch der Industrie (Mtoe)*

*Consumo di gas nell'industria (Mtep)*

*天然ガスの産業用消費量（石油換算百万トン）*

*Consumo industrial de gas natural (Mtep)*

*Потребление природного газа промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	-	-	-	0.16	0.00	-	-	0.00	0.00
Armenia*	..	..	..	0.97	0.31	0.58	0.57	0.41	0.22
Azerbaijan*	..	..	..	6.03	0.97	0.73	0.46	0.30	0.28
Belarus*	..	..	..	2.93	1.81	2.45	2.70	2.60	2.80
Bosnia and Herzegovina*	..	..	..	0.32	0.12	0.19	0.23	0.07	0.07
Bulgaria	-	-	-	2.58	1.52	1.36	1.31	0.82	0.89
Croatia*	..	..	..	0.99	0.95	0.92	0.97	0.85	0.92
Georgia*	..	..	..	1.31	0.20	0.27	0.25	0.25	0.27
Kazakhstan*	..	..	..	-	-	-	1.37	1.31	1.47
Latvia*	..	..	..	0.44	0.21	0.29	0.26	0.21	0.24
Lithuania*	..	..	..	1.53	0.75	0.87	1.22	0.84	0.82
FYR of Macedonia*	..	..	..	-	0.01	0.03	0.03	0.03	0.03
Republic of Moldova*	..	..	..	0.53	0.18	0.27	0.20	0.04	0.06
Romania	13.01	11.45	27.25	16.76	4.78	5.11	4.68	3.45	3.55
Russian Federation*	..	..	..	51.60	42.75	51.53	53.88	55.69	66.33
Serbia*	..	..	..	0.78	0.86	1.03	1.13	0.57	0.82
Turkmenistan*	..	..	..	0.31	0.28	0.36	0.45	0.63	0.65
Ukraine*	..	..	..	23.29	11.95	16.30	14.28	8.62	10.55
Uzbekistan*	..	..	..	-	7.54	6.34	8.40	6.72	6.52
Former Soviet Union*	77.20	88.80	128.28	x	x	x	x	x	x
Former Yugoslavia*	0.70	0.86	1.80	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>90.92</b>	<b>101.11</b>	<b>157.34</b>	<b>110.53</b>	<b>75.18</b>	<b>88.63</b>	<b>92.40</b>	<b>83.40</b>	<b>96.50</b>
Bahrain	0.18	0.59	0.87	1.71	1.48	1.73	2.98	2.94	2.91
Islamic Republic of Iran	1.50	1.91	0.94	6.74	10.57	15.66	24.84	26.70	30.25
Iraq	0.38	0.49	0.52	0.81	1.29	0.07	0.13	0.18	0.20
Kuwait	1.03	1.20	1.15	1.62	3.03	4.44	3.04	2.71	4.04
Oman	-	-	-	0.25	0.19	1.08	1.53	1.56	1.66
Qatar	0.35	0.58	1.30	2.40	3.68	4.52	6.28	7.16	7.37
Saudi Arabia	-	-	0.24	2.61	3.02	7.34	13.44	13.46	12.51
Syrian Arab Republic	-	-	-	-	2.30	1.58	1.57	0.95	1.54
United Arab Emirates	0.81	0.82	2.00	8.73	14.93	12.33	21.29	24.81	25.64
<b>Middle East</b>	<b>4.24</b>	<b>5.59</b>	<b>7.02</b>	<b>24.89</b>	<b>40.48</b>	<b>48.76</b>	<b>75.08</b>	<b>80.48</b>	<b>86.12</b>
<b>Non-OECD Total*</b>	<b>103.68</b>	<b>119.30</b>	<b>192.35</b>	<b>186.67</b>	<b>199.58</b>	<b>263.33</b>	<b>312.18</b>	<b>309.09</b>	<b>331.06</b>
<i>European Union - 27*</i>	..	..	..	111.91	116.98	110.67	101.86	87.33	97.95
OECD Americas	181.89	195.95	182.44	158.10	193.94	156.71	163.06	150.03	159.74
OECD Asia Oceania	2.56	3.21	6.26	11.64	18.31	20.62	23.22	22.98	25.01
OECD Europe*	40.10	56.86	79.41	91.85	112.80	107.75	99.50	88.01	100.47
<b>OECD Total*</b>	<b>224.55</b>	<b>256.01</b>	<b>268.11</b>	<b>261.59</b>	<b>325.05</b>	<b>285.08</b>	<b>285.78</b>	<b>261.03</b>	<b>285.22</b>
<b>World</b>	<b>328.23</b>	<b>375.31</b>	<b>460.46</b>	<b>448.26</b>	<b>524.64</b>	<b>548.41</b>	<b>597.96</b>	<b>570.11</b>	<b>616.27</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Consumption of electricity in industry (Mtoe)

*Consommation industrielle d'électricité (Mtep)**Stromerbrauch der Industrie (Mtoe)**Consumo di energia elettrica nell'industria (Mtep)**電力の産業用消費量（石油換算百万トン）**Consumo industrial de electricidad (Mtep)**Потребление электроэнергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.068	0.081	0.244	0.515	0.594	0.762	0.831	0.837	1.092
Angola	0.011	0.015	0.010	0.014	0.031	0.054	0.094	0.107	0.119
Benin	0.001	0.002	0.005	0.008	0.009	0.010	0.012	0.011	0.012
Botswana*	..	..	..	0.052	0.085	0.111	0.109	0.106	0.117
Cameroon	0.076	0.072	0.068	0.117	0.130	0.128	0.233	0.234	0.239
Congo	0.003	0.004	0.006	0.018	0.012	0.014	0.018	0.020	0.021
Dem. Rep. of Congo	-	-	0.223	0.093	0.163	0.266	0.333	0.363	0.341
Côte d'Ivoire	0.011	0.016	0.039	0.043	0.082	0.109	0.084	0.083	0.084
Egypt	0.354	0.362	0.862	1.451	2.112	2.812	3.206	3.347	3.500
Eritrea*	..	..	..	..	0.006	0.005	0.005	0.006	0.006
Ethiopia	0.031	0.031	0.030	0.042	0.047	0.081	0.102	0.105	0.120
Gabon	-	0.003	0.021	0.034	0.023	0.027	0.032	0.032	0.032
Ghana	0.210	0.279	0.340	0.306	0.346	0.219	0.255	0.251	0.271
Kenya	0.040	0.047	0.068	0.168	0.197	0.265	0.287	0.290	0.312
Libya	0.006	0.013	0.072	0.143	0.263	0.273	0.273	0.320	0.333
Morocco	0.084	0.105	0.195	0.345	0.521	0.616	0.710	0.731	0.775
Mozambique	0.017	0.020	0.016	0.015	0.129	0.719	0.709	0.657	0.773
Namibia*	..	..	..	..	-	0.051	0.057	0.055	0.058
Nigeria	0.087	0.110	0.150	0.173	0.164	0.192	0.319	0.279	0.298
Senegal	0.016	0.022	0.031	0.039	0.025	0.049	0.042	0.049	0.051
South Africa	2.798	3.058	5.057	7.081	8.337	9.462	10.094	9.826	10.115
Sudan	0.018	0.020	0.020	0.018	0.053	0.043	0.047	0.062	0.067
United Rep. of Tanzania	0.013	0.015	0.021	0.034	0.053	0.131	0.133	0.140	0.148
Togo	0.003	0.003	0.005	0.009	0.011	0.016	0.013	0.014	0.014
Tunisia	0.040	0.050	0.127	0.244	0.377	0.434	0.440	0.406	0.440
Zambia	0.311	0.361	0.415	0.377	0.357	0.479	0.385	0.325	0.351
Zimbabwe	0.190	0.293	0.415	0.486	0.457	0.469	0.469	0.471	0.473
Other Africa	0.020	0.024	0.116	0.145	0.266	0.286	0.319	0.320	0.332
<b>Africa</b>	<b>4.407</b>	<b>5.005</b>	<b>8.555</b>	<b>11.970</b>	<b>14.849</b>	<b>18.082</b>	<b>19.611</b>	<b>19.449</b>	<b>20.496</b>
Argentina	0.892	1.059	1.487	1.839	2.996	3.718	4.103	3.915	4.157
Bolivia	0.042	0.046	0.075	0.062	0.107	0.114	0.133	0.139	0.144
Brazil	1.918	2.538	5.867	9.661	12.619	15.082	16.961	16.020	17.488
Colombia	0.318	0.297	0.434	0.684	0.982	1.081	1.197	1.227	1.264
Costa Rica	0.027	0.031	0.060	0.065	0.120	0.148	0.164	0.151	0.157
Cuba	0.182	0.194	0.233	0.488	0.343	0.306	0.315	0.319	0.325
Dominican Republic	0.026	0.058	0.082	0.053	0.143	0.390	0.459	0.450	0.483
Ecuador	0.025	0.028	0.103	0.131	0.189	0.154	0.317	0.327	0.380
El Salvador	0.024	0.030	0.044	0.049	0.148	0.182	0.192	0.190	0.190
Guatemala	0.030	0.031	0.071	0.056	0.126	0.232	0.241	0.259	0.273
Haiti	0.001	0.002	0.009	0.015	0.009	0.013	0.006	0.010	0.007
Honduras	0.016	0.020	0.033	0.073	0.077	0.104	0.119	0.106	0.109
Jamaica	0.104	0.130	0.049	0.018	0.324	0.405	0.310	0.217	0.061
Netherlands Antilles*	0.027	0.029	0.032	0.029	0.041	0.044	0.044	0.046	0.046
Nicaragua	0.023	0.026	0.028	0.031	0.029	0.031	0.068	0.068	0.058
Panama	0.010	0.011	0.016	0.024	0.044	0.022	0.044	0.049	0.056
Paraguay	0.009	0.011	0.032	0.054	0.077	0.107	0.132	0.131	0.140
Peru	0.296	0.329	0.454	0.617	0.846	1.080	1.379	1.336	1.444
Trinidad and Tobago	0.029	0.044	0.091	0.165	0.263	0.358	0.372	0.374	0.410
Uruguay	0.057	0.056	0.093	0.127	0.137	0.146	0.219	0.216	0.218
Venezuela	0.441	0.483	1.186	2.117	2.375	2.972	2.967	3.067	3.170
Other Non-OECD Americas	0.010	0.012	0.021	0.080	0.633	0.734	0.697	0.666	0.681
<b>Non-OECD Americas</b>	<b>4.505</b>	<b>5.465</b>	<b>10.500</b>	<b>16.438</b>	<b>22.626</b>	<b>27.423</b>	<b>30.439</b>	<b>29.281</b>	<b>31.257</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Consumption of electricity in industry (Mtoe)

*Consommation industrielle d'électricité (Mtep)**Stromerbrauch der Industrie (Mtoe)**Consumo di energia elettrica nell'industria (Mtep)**電力の産業用消費量 (石油換算百万トン)**Consumo industrial de electricidad (Mtep)**Потребление электроэнергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.041	0.067	0.076	0.234	0.464	0.971	1.539	1.691	1.882
Brunei Darussalam	0.004	0.004	0.006	0.021	0.025	0.049	0.047	0.048	0.051
Cambodia*	..	..	..	..	0.003	0.012	0.024	0.028	0.033
Chinese Taipei	0.777	1.005	2.049	3.801	7.473	9.335	10.068	9.434	10.677
India	3.120	3.241	4.750	9.080	13.622	18.138	24.050	25.595	27.643
Indonesia	0.015	0.030	0.148	1.251	2.925	3.674	4.119	4.017	4.405
DPR of Korea	0.541	0.603	0.774	1.013	0.623	0.736	0.746	0.678	0.696
Malaysia	0.156	0.205	0.384	0.830	2.806	3.372	3.688	4.283	4.534
Mongolia*	..	..	..	0.155	0.102	0.135	0.165	0.162	0.180
Myanmar	0.026	0.031	0.052	0.074	0.117	0.121	0.164	0.159	0.196
Nepal	0.001	0.001	0.005	0.018	0.045	0.068	0.073	0.083	0.090
Pakistan	0.246	0.315	0.353	0.889	1.234	1.703	1.662	1.705	1.824
Philippines	0.292	0.408	0.706	0.855	1.135	1.325	1.465	1.469	1.598
Singapore	0.079	0.116	0.211	0.473	0.917	1.071	1.114	1.136	1.233
Sri Lanka	0.033	0.043	0.058	0.078	0.189	0.210	0.230	0.217	0.271
Thailand	0.258	0.339	0.545	1.542	3.452	4.892	4.939	4.874	5.472
Vietnam	-	-	0.127	0.245	0.782	1.962	3.016	3.433	4.001
Other Asia	-	-	0.201	0.233	0.341	0.419	0.575	0.512	0.547
<b>Asia</b>	<b>5.588</b>	<b>6.406</b>	<b>10.444</b>	<b>20.791</b>	<b>36.254</b>	<b>48.192</b>	<b>57.683</b>	<b>59.522</b>	<b>65.331</b>
People's Rep. of China	7.635	9.202	16.597	29.612	59.345	116.547	165.768	175.183	203.207
Hong Kong, China	0.206	0.208	0.361	0.596	0.425	0.350	0.291	0.266	0.265
<b>China</b>	<b>7.841</b>	<b>9.410</b>	<b>16.958</b>	<b>30.208</b>	<b>59.769</b>	<b>116.896</b>	<b>166.059</b>	<b>175.449</b>	<b>203.472</b>
Albania	-	-	-	0.042	0.078	0.062	0.069	0.071	0.089
Armenia*	..	..	..	0.285	0.060	0.082	0.101	0.087	0.090
Azerbaijan*	..	..	..	0.783	0.064	0.352	0.273	0.166	0.145
Belarus*	..	..	..	1.941	1.110	1.144	1.249	1.061	1.136
Bosnia and Herzegovina*	..	..	..	0.523	0.103	0.207	0.335	0.269	0.328
Bulgaria	1.066	1.207	1.424	1.596	0.738	0.846	0.898	0.722	0.672
Croatia*	..	..	..	0.541	0.261	0.301	0.341	0.305	0.310
Cyprus	0.015	0.020	0.023	0.029	0.038	0.047	0.055	0.051	0.050
Georgia*	..	..	..	0.652	0.077	0.063	0.061	0.113	0.184
Kazakhstan*	..	..	..	5.498	1.821	3.786	3.072	3.013	3.450
Kosovo*	..	..	..	..	0.020	0.029	0.099	0.095	0.099
Kyrgyzstan*	..	..	..	0.439	0.239	0.275	0.354	0.348	0.345
Latvia*	..	..	..	0.274	0.123	0.146	0.145	0.130	0.137
Lithuania*	..	..	..	0.470	0.197	0.244	0.240	0.209	0.228
FYR of Macedonia*	..	..	..	0.225	0.134	0.184	0.207	0.134	0.173
Malta	-	-	-	-	0.043	0.042	0.048	0.044	0.040
Republic of Moldova*	..	..	..	0.387	0.060	0.092	0.066	0.059	0.068
Montenegro*	..	..	..	..	..	0.224	0.215	0.146	0.136
Romania	1.930	2.297	3.463	3.316	1.712	2.037	1.977	1.564	1.753
Russian Federation*	..	..	..	41.428	26.867	28.369	30.967	26.782	28.109
Serbia*	..	..	..	1.188	0.545	0.521	0.608	0.582	0.627
Tajikistan*	..	..	..	0.989	0.462	0.566	0.556	0.528	0.541
Turkmenistan*	..	..	..	0.342	0.181	0.231	0.270	0.278	0.285
Ukraine*	..	..	..	12.502	5.186	5.651	5.774	4.610	5.668
Uzbekistan*	..	..	..	1.875	1.311	1.337	1.342	1.357	1.405
Former Soviet Union*	38.820	43.765	55.651	x	x	x	x	x	x
Former Yugoslavia*	1.164	1.354	2.322	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>42.996</b>	<b>48.644</b>	<b>62.882</b>	<b>75.322</b>	<b>41.431</b>	<b>46.838</b>	<b>49.321</b>	<b>42.724</b>	<b>46.069</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of electricity in industry (Mtoe)***Consommation industrielle d'électricité (Mtep)**Stromerbrauch der Industrie (Mtep)**Consumo di energia elettrica nell'industria (Mtep)**電力の産業用消費量（石油換算百万トン）**Consumo industrial de electricidad (Mtep)**Потребление электроэнергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.015	0.015	0.020	0.029	0.074	0.123	0.108	0.107	0.121
Islamic Republic of Iran	0.400	0.586	0.752	1.241	2.834	3.920	4.705	5.020	5.423
Iraq	0.078	0.098	0.326	0.779	1.035	0.376	0.426	0.474	0.540
Jordan	0.007	0.010	0.024	0.102	0.162	0.220	0.260	0.250	0.280
Lebanon	-	-	-	-	0.221	0.255	0.276	0.297	0.341
Oman	-	0.000	0.001	0.006	0.028	0.040	0.085	0.101	0.132
Qatar	-	-	0.040	0.052	0.140	0.244	0.420	0.481	0.669
Saudi Arabia	0.110	0.150	0.108	0.713	1.074	1.319	1.907	2.087	1.853
Syrian Arab Republic	0.067	0.075	0.150	0.361	0.580	0.727	0.878	0.639	0.973
United Arab Emirates	0.001	0.004	0.033	0.086	0.366	0.555	0.721	0.757	0.653
Yemen	0.002	0.003	0.001	-	-	-	-	-	-
<b>Middle East</b>	<b>0.679</b>	<b>0.940</b>	<b>1.453</b>	<b>3.369</b>	<b>6.513</b>	<b>7.778</b>	<b>9.786</b>	<b>10.212</b>	<b>10.986</b>
<b>Non-OECD Total*</b>	<b>66.015</b>	<b>75.870</b>	<b>110.792</b>	<b>158.098</b>	<b>181.441</b>	<b>265.209</b>	<b>332.898</b>	<b>336.637</b>	<b>377.610</b>
<i>European Union - 27*</i>	..	..	..	84.943	90.988	97.161	96.965	83.339	88.980
OECD Americas	59.251	66.608	78.985	94.431	126.474	109.432	106.651	95.089	102.901
OECD Asia Oceania	23.619	28.496	33.901	40.487	52.763	53.867	52.884	50.672	57.048
OECD Europe*	55.025	63.410	73.694	87.253	98.539	105.623	106.960	92.780	99.401
<b>OECD Total*</b>	<b>137.895</b>	<b>158.514</b>	<b>186.580</b>	<b>222.170</b>	<b>277.776</b>	<b>268.922</b>	<b>266.495</b>	<b>238.540</b>	<b>259.350</b>
<b>World</b>	<b>203.910</b>	<b>234.383</b>	<b>297.373</b>	<b>380.268</b>	<b>459.217</b>	<b>534.131</b>	<b>599.393</b>	<b>575.178</b>	<b>636.960</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Total consumption of energy in industry (Mtoe)

*Consommation industrielle totale d'énergie (Mtep)*

*Gesamtenergieverbrauch der Industrie (Mtoe)*

*Consumo totale di energia nell'industria (Mtep)*

*産業用エネルギー総消費量（石油換算百万トン）*

*Consumo total industrial de energía (Mtep)*

*Общее потребление топлива и энергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.52	0.81	1.68	4.24	4.84	5.65	6.70	6.89	7.22
Angola	0.19	0.23	0.24	0.82	0.92	1.23	1.14	1.27	1.31
Benin	0.01	0.00	0.01	0.02	0.07	0.05	0.05	0.06	0.06
Botswana*	..	..	..	0.20	0.34	0.38	0.46	0.44	0.48
Cameroon	0.10	0.09	0.12	0.20	0.22	0.21	0.33	0.36	0.35
Congo	0.05	0.05	0.03	0.04	0.03	0.04	0.05	0.05	0.05
Dem. Rep. of Congo	1.35	1.37	1.81	2.34	3.55	4.34	4.85	5.03	5.08
Côte d'Ivoire	0.25	0.27	0.30	0.24	0.36	0.26	0.30	0.29	0.27
Egypt	3.44	3.42	6.95	12.16	13.62	20.78	22.55	18.92	19.49
Eritrea*	..	..	..	..	0.02	0.03	0.01	0.02	0.01
Ethiopia	0.15	0.15	0.14	0.25	0.34	0.48	0.55	0.52	0.56
Gabon	0.22	0.23	0.40	0.23	0.37	0.52	0.54	0.56	0.59
Ghana	0.50	0.63	0.74	0.76	0.99	1.57	1.65	1.77	1.78
Kenya	0.26	0.28	0.42	0.64	0.54	0.81	0.94	1.04	1.18
Libya	0.30	0.40	1.84	2.47	3.92	3.97	4.11	4.23	4.27
Morocco	1.02	1.15	1.84	2.02	2.39	3.03	3.28	3.36	3.42
Mozambique	0.96	0.94	0.71	0.56	0.72	1.40	1.46	1.45	1.57
Namibia*	..	..	..	..	0.06	0.12	0.15	0.14	0.15
Nigeria	3.79	4.38	5.89	7.53	8.86	10.14	11.19	10.52	10.99
Senegal	0.13	0.16	0.21	0.13	0.19	0.28	0.30	0.31	0.33
South Africa	14.84	17.12	24.39	25.94	26.38	25.83	27.40	27.78	26.11
Sudan	0.65	1.00	0.88	0.99	1.36	1.21	1.26	1.44	1.57
United Rep. of Tanzania	0.75	0.78	0.79	0.96	1.26	1.82	2.21	2.34	2.52
Togo	0.00	0.00	0.00	0.02	0.10	0.05	0.04	0.04	0.04
Tunisia	0.35	0.40	0.83	1.32	1.76	2.30	2.38	2.09	2.18
Zambia	1.16	1.39	1.28	1.23	1.17	1.41	1.35	1.33	1.35
Zimbabwe	0.93	1.14	1.35	1.73	1.25	0.99	0.87	0.89	0.91
Other Africa	2.26	2.39	3.13	4.01	5.79	6.57	7.43	7.55	7.78
<b>Africa</b>	<b>34.17</b>	<b>38.77</b>	<b>56.00</b>	<b>71.03</b>	<b>81.42</b>	<b>95.45</b>	<b>103.56</b>	<b>100.72</b>	<b>101.63</b>
Argentina	9.22	9.42	10.52	10.20	18.96	20.23	21.35	20.35	19.00
Bolivia	0.21	0.26	0.35	0.51	0.91	1.07	1.14	1.27	1.69
Brazil	19.10	24.15	40.67	49.43	69.56	79.78	89.46	85.18	96.20
Colombia	3.45	3.07	4.16	5.40	8.14	7.98	8.40	7.41	7.00
Costa Rica	0.26	0.31	0.39	0.51	0.63	0.79	0.94	0.92	0.88
Cuba	5.45	4.93	6.28	8.42	6.03	3.23	3.38	3.94	3.84
Dominican Republic	0.78	0.85	0.96	0.57	0.95	0.92	1.34	1.37	1.41
Ecuador	0.32	0.33	1.09	1.38	1.87	2.15	2.14	2.33	2.18
El Salvador	0.29	0.34	0.39	0.55	0.80	0.80	0.93	0.83	0.79
Guatemala	0.66	0.65	0.54	0.53	0.94	1.08	0.74	0.84	0.72
Haiti	0.18	0.17	0.22	0.15	0.34	0.46	0.51	0.40	0.35
Honduras	0.23	0.26	0.43	0.58	0.60	0.58	0.67	0.58	0.59
Jamaica	0.75	1.32	1.29	0.22	0.51	0.67	0.50	0.42	0.22
Netherlands Antilles*	1.48	1.62	0.42	0.23	0.27	0.29	0.31	0.30	0.30
Nicaragua	0.24	0.27	0.29	0.31	0.33	0.31	0.34	0.29	0.33
Panama	0.16	0.20	0.32	0.25	0.43	0.64	0.55	0.70	0.75
Paraguay	0.35	0.42	0.63	0.96	1.31	1.24	1.26	1.23	1.30
Peru	1.87	2.07	2.67	1.97	3.12	3.61	4.26	4.35	4.27
Trinidad and Tobago	0.55	0.62	1.15	3.09	7.51	11.55	13.04	13.93	14.33
Uruguay	0.59	0.58	0.70	0.58	0.54	0.54	1.10	1.08	1.29
Venezuela	4.13	6.11	10.92	13.73	17.60	21.77	16.52	16.07	21.53
Other Non-OECD Americas	0.33	0.34	0.41	0.51	1.28	1.47	1.47	1.47	1.50
<b>Non-OECD Americas</b>	<b>50.60</b>	<b>58.31</b>	<b>84.80</b>	<b>100.09</b>	<b>142.67</b>	<b>161.15</b>	<b>170.33</b>	<b>165.27</b>	<b>180.47</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total consumption of energy in industry (Mtoe)***Consommation industrielle totale d'énergie (Mtep)**Gesamtenergieverbrauch der Industrie (Mtoe)**Consumo totale di energia nell'industria (Mtep)**産業用エネルギー総消費量（石油換算百万トン）**Consumo total industrial de energía (Mtep)**Общее потребление топлива и энергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.52	0.79	1.17	2.34	4.29	5.25	6.55	6.87	5.88
Brunei Darussalam	0.03	0.03	0.06	0.08	0.09	0.11	0.92	0.97	1.03
Cambodia*	..	..	..	..	0.61	0.70	0.76	0.80	0.90
Chinese Taipei	4.88	6.10	12.36	16.31	27.02	35.69	39.91	39.60	43.89
India	37.42	39.70	48.97	81.92	115.88	137.20	164.29	177.26	189.98
Indonesia	1.72	1.99	7.96	25.44	40.51	46.52	49.29	50.96	54.75
DPR of Korea	11.63	12.03	17.37	19.48	11.37	12.56	11.79	11.29	10.85
Malaysia	2.31	1.96	3.39	6.36	13.69	17.54	21.71	20.32	19.02
Mongolia*	..	..	..	1.17	0.47	0.55	0.75	0.71	0.78
Myanmar	0.54	0.36	0.70	0.49	1.24	1.22	1.24	1.26	1.39
Nepal	0.02	0.06	0.09	0.11	0.39	0.41	0.33	0.35	0.37
Pakistan	3.56	4.08	5.47	10.12	13.98	20.38	21.05	21.78	21.16
Philippines	2.39	3.03	3.66	5.03	5.72	5.50	6.31	5.99	6.64
Singapore	0.36	0.57	0.80	2.92	5.96	12.61	14.13	14.99	18.51
Sri Lanka	0.55	0.68	0.67	0.81	1.78	2.06	2.17	2.01	2.31
Thailand	3.23	3.52	4.21	9.08	22.27	35.33	36.99	39.88	44.66
Vietnam	1.90	1.97	3.85	4.57	7.99	12.50	16.38	17.79	19.99
Other Asia	0.94	0.94	2.23	0.74	1.35	1.63	1.79	1.64	1.74
<b>Asia</b>	<b>71.99</b>	<b>77.79</b>	<b>112.94</b>	<b>186.96</b>	<b>274.62</b>	<b>347.76</b>	<b>396.37</b>	<b>414.48</b>	<b>443.84</b>
People's Rep. of China	113.14	124.04	195.34	284.37	381.38	604.72	739.63	774.93	828.20
Hong Kong, China	1.08	0.98	1.12	1.70	1.96	1.67	2.32	2.52	2.09
<b>China</b>	<b>114.21</b>	<b>125.02</b>	<b>196.46</b>	<b>286.07</b>	<b>383.34</b>	<b>606.39</b>	<b>741.95</b>	<b>777.45</b>	<b>830.29</b>
Albania	0.40	0.26	1.00	0.94	0.33	0.30	0.31	0.41	0.40
Armenia*	..	..	..	2.10	0.42	0.69	0.71	0.52	0.33
Azerbaijan*	..	..	..	7.83	2.05	2.28	1.88	1.25	1.18
Belarus*	..	..	..	19.30	7.62	8.14	8.29	7.56	7.63
Bosnia and Herzegovina*	..	..	..	2.36	0.58	0.64	0.86	0.65	0.76
Bulgaria	4.28	4.57	5.80	10.44	4.57	4.49	4.47	3.02	2.98
Croatia*	..	..	..	2.92	2.05	2.23	2.38	2.01	1.95
Cyprus	0.15	0.21	0.30	0.29	0.52	0.39	0.37	0.33	0.32
Georgia*	..	..	..	4.26	0.38	0.46	0.50	0.45	0.58
Gibraltar	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
Kazakhstan*	..	..	..	28.65	10.40	18.07	21.83	18.20	20.33
Kosovo*	..	..	..	..	0.16	0.19	0.25	0.25	0.28
Kyrgyzstan*	..	..	..	2.52	0.47	0.69	0.83	0.87	0.86
Latvia*	..	..	..	2.03	0.63	0.77	0.77	0.71	0.83
Lithuania*	..	..	..	4.18	1.42	1.77	2.12	1.53	1.59
FYR of Macedonia*	..	..	..	0.78	0.53	0.59	0.64	0.45	0.55
Malta	-	-	0.00	0.01	0.04	0.06	0.07	0.09	0.06
Republic of Moldova*	..	..	..	1.12	0.32	0.48	0.44	0.19	0.21
Montenegro*	..	..	..	..	..	0.27	0.29	0.23	0.21
Romania	18.54	17.64	37.87	25.23	10.35	11.30	10.87	8.04	8.17
Russian Federation*	..	..	..	248.86	165.00	167.72	172.48	171.89	191.84
Serbia*	..	..	..	5.05	2.42	3.74	3.84	2.59	3.23
Tajikistan*	..	..	..	0.99	0.46	0.57	0.56	0.53	0.54
Turkmenistan*	..	..	..	1.47	0.87	1.08	1.29	1.45	1.45
Ukraine*	..	..	..	83.03	33.09	40.43	38.30	22.50	31.27
Uzbekistan*	..	..	..	3.80	9.87	8.47	10.53	8.82	8.57
Former Soviet Union*	266.70	304.59	405.22	x	x	x	x	x	x
Former Yugoslavia*	8.02	9.02	10.94	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>298.10</b>	<b>336.31</b>	<b>461.13</b>	<b>458.16</b>	<b>254.58</b>	<b>275.86</b>	<b>284.89</b>	<b>254.55</b>	<b>286.16</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total consumption of energy in industry (Mtoe)***Consommation industrielle totale d'énergie (Mtep)**Gesamtenergieverbrauch der Industrie (Mtoe)**Consumo totale di energia nell'industria (Mtep)**産業用エネルギー総消費量（石油換算百万トン）**Consumo total industrial de energía (Mtep)**Общее потребление топлива и энергии промышленным сектором (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.19	0.60	0.91	1.76	1.57	1.90	3.15	3.12	3.10
Islamic Republic of Iran	5.73	7.51	9.41	20.48	24.18	33.11	50.84	52.73	52.01
Iraq	0.86	1.11	2.51	4.50	5.59	4.44	3.35	3.51	3.64
Jordan	0.09	0.10	0.29	0.63	0.98	1.31	1.22	1.22	1.14
Kuwait	1.17	1.33	1.98	2.09	4.25	6.82	4.74	4.65	5.99
Lebanon	0.45	0.48	0.00	0.10	0.63	0.82	0.59	0.62	0.71
Oman	0.01	0.01	0.07	0.77	1.15	2.46	3.37	3.41	3.62
Qatar	0.35	0.58	1.37	2.47	3.85	5.94	6.99	8.49	8.67
Saudi Arabia	0.72	1.28	12.71	14.54	25.93	37.70	46.79	50.39	53.61
Syrian Arab Republic	0.79	0.51	1.97	1.73	4.45	4.44	4.93	3.61	4.90
United Arab Emirates	0.81	0.83	2.82	11.21	17.49	15.01	24.53	28.79	30.14
Yemen	0.00	0.00	0.00	0.07	0.42	0.73	0.93	0.74	0.45
<b>Middle East</b>	<b>11.16</b>	<b>14.35</b>	<b>34.04</b>	<b>60.33</b>	<b>90.49</b>	<b>114.67</b>	<b>151.44</b>	<b>161.27</b>	<b>167.97</b>
<b>Non-OECD Total*</b>	<b>580.24</b>	<b>650.54</b>	<b>945.38</b>	<b>1 162.65</b>	<b>1 227.12</b>	<b>1 601.28</b>	<b>1 848.54</b>	<b>1 873.73</b>	<b>2 010.36</b>
<i>European Union - 27*</i>	..	..	..	435.00	412.53	418.95	403.10	351.79	376.46
OECD Americas	499.03	549.85	576.54	498.92	600.63	568.84	550.95	499.02	532.34
OECD Asia Oceania	147.01	169.47	157.06	192.22	240.58	242.17	236.32	233.61	247.25
OECD Europe*	408.54	451.40	444.11	418.58	432.25	439.89	422.61	376.50	405.99
<b>OECD Total*</b>	<b>1 054.57</b>	<b>1 170.73</b>	<b>1 177.70</b>	<b>1 109.71</b>	<b>1 273.45</b>	<b>1 250.90</b>	<b>1 209.88</b>	<b>1 109.13</b>	<b>1 185.58</b>
<b>World</b>	<b>1 634.82</b>	<b>1 821.27</b>	<b>2 123.09</b>	<b>2 272.36</b>	<b>2 500.57</b>	<b>2 852.18</b>	<b>3 058.42</b>	<b>2 982.86</b>	<b>3 195.95</b>

Includes non-energy use for industry/transformation processes/energy industry.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Consumption of oil in transport (Mtoe)***Consommation de pétrole dans les transports (Mtep)**Ölverbrauch im Verkehrssektor (Mtoe)**Consumo di petrolio nel settore dei trasporti (Mtep)**運輸部門の石油消費量 (石油換算百万トン)**Consumo de petróleo en el transporte (Mtep)**Потребление нефти и нефтепродуктов в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.89	1.00	2.08	3.74	3.97	4.97	6.19	10.04	10.36
Angola	0.34	0.47	0.33	0.34	0.36	0.83	1.98	1.90	2.53
Benin	0.08	0.10	0.09	0.05	0.31	0.52	0.82	0.94	1.06
Botswana*	..	..	..	0.22	0.41	0.51	0.67	0.64	0.68
Cameroon	0.19	0.21	0.39	0.58	0.62	0.70	0.74	0.84	0.90
Congo	0.11	0.12	0.17	0.16	0.13	0.23	0.37	0.40	0.47
Dem. Rep. of Congo	0.14	0.17	0.21	0.19	0.13	0.18	0.22	0.23	0.26
Côte d'Ivoire	0.29	0.31	0.52	0.40	0.42	0.41	0.52	0.53	0.42
Egypt	1.31	1.47	2.69	5.27	9.38	9.75	12.34	13.31	12.60
Eritrea*	..	..	..	..	0.07	0.06	0.04	0.04	0.05
Ethiopia	0.18	0.19	0.21	0.31	0.51	0.69	0.82	0.86	0.88
Gabon	-	0.01	0.08	0.11	0.10	0.15	0.17	0.19	0.20
Ghana	0.35	0.37	0.42	0.54	0.97	1.18	1.22	1.61	1.65
Kenya	0.45	0.50	0.64	0.90	0.75	0.89	1.07	1.30	1.57
Libya	0.23	0.55	1.57	2.07	3.59	3.14	3.41	4.01	4.02
Morocco	0.58	0.67	0.86	1.23	2.42	2.96	3.56	3.76	3.48
Mozambique	0.11	0.10	0.10	0.20	0.28	0.34	0.45	0.50	0.56
Namibia*	..	..	..	..	0.36	0.52	0.52	0.57	0.60
Nigeria	0.89	1.27	4.54	3.97	7.49	9.43	8.55	8.15	6.57
Senegal	0.15	0.17	0.24	0.24	0.38	0.48	0.78	0.64	0.66
South Africa	5.30	6.54	6.92	9.91	12.14	14.53	17.22	16.82	12.91
Sudan	0.67	0.80	0.75	1.29	0.90	1.56	2.18	2.27	2.26
United Rep. of Tanzania	0.24	0.27	0.23	0.23	0.41	0.88	1.09	0.98	1.00
Togo	0.07	0.07	0.11	0.14	0.14	0.21	0.29	0.30	0.31
Tunisia	0.29	0.35	0.58	0.82	1.33	1.51	1.53	1.88	1.98
Zambia	0.20	0.24	0.29	0.26	0.24	0.31	0.18	0.20	0.22
Zimbabwe	0.33	0.42	0.40	0.52	0.63	0.43	0.33	0.35	0.39
Other Africa	0.67	0.82	1.15	1.92	2.88	3.50	3.97	4.02	4.17
<b>Africa</b>	<b>14.05</b>	<b>17.21</b>	<b>25.56</b>	<b>35.60</b>	<b>51.32</b>	<b>60.85</b>	<b>71.23</b>	<b>77.27</b>	<b>72.75</b>
Argentina	8.01	8.76	10.45	9.34	11.60	10.21	12.13	10.66	11.78
Bolivia	0.33	0.39	0.71	0.76	1.16	1.35	1.75	1.79	1.98
Brazil	14.18	18.84	24.20	27.00	41.18	43.86	48.14	47.54	53.66
Colombia	2.31	2.63	4.01	5.70	6.24	6.67	6.99	6.54	6.79
Costa Rica	0.22	0.28	0.44	0.53	1.00	1.36	1.45	1.47	1.52
Cuba	1.38	1.48	1.77	1.70	0.72	0.64	0.61	0.48	0.48
Dominican Republic	0.48	0.53	0.60	0.93	2.27	2.04	1.82	1.82	1.81
Ecuador	0.62	0.70	1.34	2.30	3.01	3.67	4.29	4.87	4.91
El Salvador	0.19	0.22	0.29	0.42	0.84	0.97	0.81	0.86	0.86
Guatemala	0.23	0.32	0.45	0.57	1.29	1.71	1.67	1.88	1.90
Haiti	0.05	0.06	0.10	0.14	0.24	0.39	0.45	0.44	0.36
Honduras	0.15	0.18	0.21	0.35	0.70	0.75	0.99	1.01	1.00
Jamaica	0.54	0.54	0.29	0.37	0.66	0.81	1.23	0.98	0.93
Netherlands Antilles*	0.49	0.45	0.51	0.29	0.37	0.39	0.42	0.40	0.41
Nicaragua	0.23	0.28	0.29	0.25	0.48	0.48	0.50	0.51	0.57
Panama	0.26	0.30	0.35	0.42	0.78	0.95	1.04	1.13	1.17
Paraguay	0.13	0.16	0.36	0.53	0.92	1.00	1.12	1.25	1.41
Peru	1.78	2.10	2.04	2.38	3.20	3.31	4.45	4.76	5.15
Trinidad and Tobago	0.25	0.38	0.48	0.46	0.55	0.67	0.98	0.94	1.05
Uruguay	0.57	0.59	0.55	0.50	0.80	0.76	0.88	0.94	0.99
Venezuela	4.09	4.96	9.19	9.71	11.57	14.37	15.19	15.92	16.56
Other Non-OECD Americas	0.09	0.10	0.35	0.64	1.49	1.57	1.69	1.74	1.77
<b>Non-OECD Americas</b>	<b>36.59</b>	<b>44.23</b>	<b>58.98</b>	<b>65.28</b>	<b>91.05</b>	<b>97.93</b>	<b>108.59</b>	<b>107.94</b>	<b>117.05</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Consumption of oil in transport (Mtoe)

*Consommation de pétrole dans les transports (Mtep)**Ölverbrauch im Verkehrssektor (Mtoe)**Consumo di petrolio nel settore dei trasporti (Mtep)**運輸部門の石油消費量 (石油換算百万トン)**Consumo de petróleo en el transporte (Mtep)**Потребление нефти и нефтепродуктов в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.08	0.08	0.32	0.54	1.00	1.47	1.77	1.91	2.06
Brunei Darussalam	0.03	0.03	0.11	0.19	0.27	0.32	0.38	0.38	0.40
Cambodia*	..	..	..	..	0.44	0.50	0.61	0.62	0.65
Chinese Taipei	0.70	1.11	2.83	6.67	11.48	12.73	11.55	11.68	12.06
India	6.17	6.80	11.62	24.32	31.12	33.14	43.61	48.06	51.86
Indonesia	2.66	3.06	5.94	10.71	21.85	25.07	27.68	31.68	35.84
DPR of Korea	0.59	0.67	1.84	1.56	0.56	0.43	0.41	0.31	0.30
Malaysia	1.36	1.56	2.14	4.76	10.48	13.18	14.25	13.94	14.34
Mongolia*	..	..	..	0.47	0.30	0.35	0.51	0.46	0.45
Myanmar	0.51	0.43	0.63	0.44	1.16	1.52	0.63	0.66	0.64
Nepal	0.02	0.02	0.05	0.11	0.27	0.27	0.44	0.57	0.62
Pakistan	1.04	1.08	2.21	4.50	8.14	8.06	8.88	8.88	8.88
Philippines	2.98	3.28	3.46	4.52	8.10	8.29	7.34	7.70	7.85
Singapore	0.51	0.60	0.95	1.34	1.97	2.12	2.52	2.61	2.66
Sri Lanka	0.45	0.54	0.68	0.82	1.68	2.07	1.96	1.86	2.31
Thailand	1.90	2.39	3.21	9.01	14.60	18.05	16.71	17.36	17.37
Vietnam	0.97	0.97	0.59	1.37	3.50	6.37	7.91	9.48	10.14
Other Asia	0.37	0.36	0.93	0.95	1.18	1.47	1.90	2.56	2.72
<b>Asia</b>	<b>20.34</b>	<b>22.99</b>	<b>37.51</b>	<b>72.26</b>	<b>118.10</b>	<b>135.42</b>	<b>149.04</b>	<b>160.71</b>	<b>171.14</b>
People's Rep. of China	7.82	10.39	16.23	24.80	80.79	124.39	154.33	159.16	169.29
Hong Kong, China	0.42	0.50	0.82	1.48	3.74	1.72	1.42	1.99	1.85
<b>China</b>	<b>8.25</b>	<b>10.89</b>	<b>17.05</b>	<b>26.28</b>	<b>84.53</b>	<b>126.11</b>	<b>155.76</b>	<b>161.15</b>	<b>171.14</b>
Albania	0.24	0.26	0.50	0.24	0.49	0.79	0.75	0.74	0.74
Armenia*	..	..	..	1.02	0.20	0.22	0.25	0.23	0.20
Azerbaijan*	..	..	..	1.15	0.67	1.63	1.73	1.57	1.75
Belarus*	..	..	..	3.32	1.63	1.59	1.91	2.07	2.20
Bosnia and Herzegovina*	..	..	..	0.73	0.70	0.76	1.11	1.02	1.07
Bulgaria	1.42	1.39	1.42	2.16	1.69	2.37	2.55	2.53	2.44
Croatia*	..	..	..	1.35	1.51	1.88	2.09	2.09	2.01
Cyprus	0.20	0.25	0.21	0.39	0.58	0.67	0.73	0.73	0.75
Georgia*	..	..	..	1.25	0.32	0.50	0.55	0.68	0.67
Gibraltar	0.01	0.01	0.01	0.03	0.08	0.09	0.10	0.10	0.11
Kazakhstan*	..	..	..	4.90	3.19	3.25	4.80	4.16	4.44
Kosovo*	..	..	..	..	0.19	0.27	0.33	0.34	0.32
Kyrgyzstan*	..	..	..	2.01	0.29	0.40	0.67	0.84	0.86
Latvia*	..	..	..	1.04	0.73	1.02	1.19	1.04	1.06
Lithuania*	..	..	..	1.85	1.05	1.39	1.70	1.40	1.45
FYR of Macedonia*	..	..	..	0.26	0.34	0.35	0.41	0.43	0.45
Malta	0.07	0.08	0.09	0.15	0.15	0.11	0.18	0.15	0.18
Republic of Moldova*	..	..	..	0.83	0.14	0.24	0.34	0.29	0.34
Montenegro*	..	..	..	..	..	0.06	0.05	0.07	0.06
Romania	2.11	2.39	2.37	3.90	3.19	4.01	4.97	4.92	4.60
Russian Federation*	..	..	..	72.90	42.30	47.58	54.64	55.02	56.30
Serbia*	..	..	..	1.48	0.77	2.18	2.33	2.19	2.19
Tajikistan*	..	..	..	0.25	0.01	0.03	0.08	0.08	0.09
Turkmenistan*	..	..	..	0.84	0.67	0.80	0.94	0.88	0.83
Ukraine*	..	..	..	9.52	4.02	5.04	8.57	7.59	7.60
Uzbekistan*	..	..	..	1.97	2.40	1.84	1.89	2.04	1.81
Former Soviet Union*	52.56	59.96	84.11	x	x	x	x	x	x
Former Yugoslavia*	3.46	3.51	4.31	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>60.07</b>	<b>67.84</b>	<b>93.02</b>	<b>113.52</b>	<b>67.31</b>	<b>79.06</b>	<b>94.87</b>	<b>93.20</b>	<b>94.52</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of oil in transport (Mtoe)***Consommation de pétrole dans les transports (Mtep)**Ölverbrauch im Verkehrssektor (Mtoe)**Consumo di petrolio nel settore dei trasporti (Mtep)**運輸部門の石油消費量（石油換算百万トン）**Consumo de petróleo en el transporte (Mtep)**Потребление нефти и нефтепродуктов в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.06	0.08	0.21	0.34	0.52	0.84	1.04	1.13	1.23
Islamic Republic of Iran	2.50	3.44	7.12	13.03	25.38	34.56	36.94	39.04	35.98
Iraq	0.82	0.98	3.16	7.03	8.85	10.48	8.96	9.22	10.05
Jordan	0.17	0.24	0.55	0.91	1.20	1.61	1.55	1.73	1.75
Kuwait	0.66	0.75	1.79	0.97	2.06	2.78	3.56	3.95	3.97
Lebanon	0.43	0.55	0.64	0.64	1.38	1.39	1.53	1.76	1.74
Oman	0.03	0.04	0.22	0.58	0.90	1.25	1.51	1.95	2.17
Qatar	0.08	0.11	0.35	0.50	0.81	1.57	2.87	2.84	3.07
Saudi Arabia	1.11	1.45	6.59	16.40	20.37	25.32	32.91	33.96	35.26
Syrian Arab Republic	0.48	0.58	1.21	2.42	2.79	4.48	4.97	4.25	4.10
United Arab Emirates	0.14	0.26	2.30	3.72	4.92	7.38	8.45	8.53	8.65
Yemen	0.22	0.41	0.76	1.35	1.49	1.97	1.88	2.01	2.14
<b>Middle East</b>	<b>6.70</b>	<b>8.88</b>	<b>24.89</b>	<b>47.88</b>	<b>70.67</b>	<b>93.64</b>	<b>106.18</b>	<b>110.36</b>	<b>110.12</b>
<b>Non-OECD Total*</b>	<b>146.00</b>	<b>172.04</b>	<b>257.01</b>	<b>360.83</b>	<b>482.99</b>	<b>593.01</b>	<b>685.66</b>	<b>710.63</b>	<b>736.72</b>
<i>European Union - 27*</i>	..	..	..	254.01	298.03	314.48	312.51	302.38	299.13
OECD Americas	399.91	448.16	481.57	548.39	663.08	701.80	676.12	648.71	655.85
OECD Asia Oceania	50.31	58.22	78.07	111.70	146.18	146.99	141.95	139.81	141.24
OECD Europe*	144.28	165.58	203.47	262.37	312.44	327.73	327.26	317.45	314.38
<b>OECD Total*</b>	<b>594.51</b>	<b>671.96</b>	<b>763.11</b>	<b>922.45</b>	<b>1 121.70</b>	<b>1 176.52</b>	<b>1 145.34</b>	<b>1 105.97</b>	<b>1 111.46</b>
<b>World marine bunkers</b>	<b>108.21</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>905.21</b>	<b>1 026.29</b>	<b>1 196.99</b>	<b>1 483.82</b>	<b>1 875.96</b>	<b>2 085.08</b>	<b>2 176.90</b>	<b>2 149.03</b>	<b>2 202.56</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.

**Consumption of electricity in transport (Mtoe)***Consommation d'électricité dans les transports (Mtep)**Elektrizitätsverbrauch im Verkehrssektor (Mtoe)**Consumo di energia elettrica nel settore dei trasporti (Mtep)**運輸部門の電力消費量（石油換算百万トン）**Consumo de electricidad en el transporte (Mtep)**Потребление электроэнергии в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.002	0.002	0.001	0.024	0.030	0.041	0.032	0.046	0.055
Gabon	-	-	-	-	0.000	0.000	0.001	0.001	0.001
Morocco	0.007	0.007	0.009	0.017	0.018	0.025	0.093	0.096	0.020
South Africa	0.282	0.249	0.372	0.340	0.463	0.468	0.307	0.304	0.313
Tunisia	-	-	0.005	0.009	0.016	0.020	0.023	0.024	0.026
Zambia	-	-	-	0.001	0.001	0.001	0.002	0.002	0.002
Other Africa	-	-	-	-	0.001	0.001	0.001	0.001	0.001
<b>Africa</b>	<b>0.290</b>	<b>0.259</b>	<b>0.387</b>	<b>0.391</b>	<b>0.530</b>	<b>0.556</b>	<b>0.458</b>	<b>0.475</b>	<b>0.418</b>
Argentina	0.025	0.025	0.023	0.027	0.045	0.052	0.056	0.057	0.058
Brazil	0.053	0.052	0.071	0.103	0.108	0.102	0.138	0.137	0.143
Colombia	-	-	-	-	0.004	0.004	0.005	0.005	0.005
Costa Rica	0.001	0.001	0.001	0.001	-	-	-	-	-
Cuba	0.003	0.003	0.006	0.008	0.008	0.009	0.024	0.023	0.022
Venezuela	-	-	-	0.024	0.022	0.022	0.024	0.025	0.025
<b>Non-OECD Americas</b>	<b>0.082</b>	<b>0.081</b>	<b>0.100</b>	<b>0.163</b>	<b>0.186</b>	<b>0.189</b>	<b>0.247</b>	<b>0.247</b>	<b>0.252</b>
Chinese Taipei	0.000	0.000	0.018	0.018	0.039	0.045	0.095	0.095	0.100
India	0.140	0.132	0.195	0.354	0.706	0.855	1.016	1.066	1.151
Malaysia	-	-	-	-	0.004	0.005	0.015	0.013	0.018
Mongolia*	..	..	..	0.015	0.007	0.009	0.011	0.011	0.012
Nepal	-	-	0.000	0.000	0.001	0.001	0.000	0.000	0.000
Pakistan	0.002	0.002	0.003	0.003	0.001	0.001	0.000	0.000	0.000
Philippines	-	-	-	-	0.005	0.008	0.010	0.010	0.010
Singapore	-	-	-	0.016	0.025	0.030	0.036	0.139	0.151
Thailand	-	-	-	-	0.003	0.005	0.005	0.005	0.006
<b>Asia</b>	<b>0.143</b>	<b>0.134</b>	<b>0.216</b>	<b>0.406</b>	<b>0.791</b>	<b>0.959</b>	<b>1.188</b>	<b>1.338</b>	<b>1.448</b>
People's Rep. of China	0.105	0.126	0.228	0.511	1.282	1.737	2.574	2.803	3.422
<b>China</b>	<b>0.105</b>	<b>0.126</b>	<b>0.228</b>	<b>0.511</b>	<b>1.282</b>	<b>1.737</b>	<b>2.574</b>	<b>2.803</b>	<b>3.422</b>
Albania	-	-	-	-	-	0.001	-	-	-
Armenia*	..	..	..	0.033	0.011	0.011	0.010	0.010	0.010
Azerbaijan*	..	..	..	0.112	0.041	0.051	0.050	0.045	0.047
Belarus*	..	..	..	0.262	0.165	0.180	0.155	0.139	0.147
Bosnia and Herzegovina*	..	..	..	-	-	-	0.008	0.008	0.012
Bulgaria	-	-	0.089	0.112	0.045	0.043	0.037	0.040	0.034
Croatia*	..	..	..	0.047	0.019	0.022	0.024	0.023	0.023
Cyprus	0.003	0.003	0.000	0.004	0.002	0.003	-	-	-
Georgia*	..	..	..	0.093	0.039	0.031	0.030	0.057	0.053
Kazakhstan*	..	..	..	0.556	0.130	0.297	0.291	0.235	0.269
Kyrgyzstan*	..	..	..	0.012	0.009	0.009	0.005	0.005	0.005
Latvia*	..	..	..	0.022	0.013	0.013	0.012	0.010	0.011
Lithuania*	..	..	..	0.018	0.007	0.009	0.007	0.007	0.007
FYR of Macedonia*	..	..	..	0.002	0.002	0.002	0.003	0.002	0.002
Republic of Moldova*	..	..	..	0.007	0.008	0.007	0.005	0.004	0.004
Montenegro*	..	..	..	..	..	0.002	0.002	0.002	0.002
Romania	-	-	0.166	0.225	0.160	0.139	0.124	0.119	0.117
Russian Federation*	..	..	..	8.924	5.239	7.153	7.146	6.984	7.334
Serbia*	..	..	..	0.039	0.022	0.021	0.023	0.043	0.019
Tajikistan*	..	..	..	0.017	0.004	0.002	0.002	0.002	0.002
Turkmenistan*	..	..	..	0.089	0.013	0.017	0.019	0.020	0.021
Ukraine*	..	..	..	1.245	0.794	0.816	0.918	0.786	0.772
Uzbekistan*	..	..	..	0.107	0.113	0.115	0.115	0.117	0.121
Former Soviet Union*	4.197	4.627	6.536	x	x	x	x	x	x
Former Yugoslavia*	0.046	0.062	0.077	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>4.246</b>	<b>4.692</b>	<b>6.868</b>	<b>11.928</b>	<b>6.833</b>	<b>8.941</b>	<b>8.986</b>	<b>8.658</b>	<b>9.011</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Consumption of electricity in transport (Mtoe)***Consommation d'électricité dans les transports (Mtep)**Elektrizitätsverbrauch im Verkehrssektor (Mtoe)**Consumo di energia elettrica nel settore dei trasporti (Mtep)**運輸部門の電力消費量（石油換算百万トン）**Consumo de electricidad en el transporte (Mtep)**Потребление электроэнергии в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Islamic Republic of Iran	-	-	-	-	0.001	0.009	0.021	0.024	0.026
<b>Middle East</b>	-	-	-	-	<b>0.001</b>	<b>0.009</b>	<b>0.021</b>	<b>0.024</b>	<b>0.026</b>
<b>Non-OECD Total*</b>	<b>4.866</b>	<b>5.292</b>	<b>7.799</b>	<b>13.398</b>	<b>9.624</b>	<b>12.392</b>	<b>13.473</b>	<b>13.545</b>	<b>14.577</b>
<i>European Union - 27*</i>	..	..	..	5.415	6.203	5.994	5.893	5.713	5.808
OECD Americas	0.596	0.694	0.517	0.723	0.883	1.127	1.129	1.135	1.127
OECD Asia Oceania	1.058	1.209	1.423	1.697	1.982	2.168	2.166	2.211	2.184
OECD Europe*	3.193	3.400	4.125	5.340	6.324	6.161	6.125	5.913	6.023
<b>OECD Total*</b>	<b>4.847</b>	<b>5.303</b>	<b>6.066</b>	<b>7.760</b>	<b>9.188</b>	<b>9.456</b>	<b>9.420</b>	<b>9.260</b>	<b>9.334</b>
<b>World</b>	<b>9.712</b>	<b>10.596</b>	<b>13.865</b>	<b>21.158</b>	<b>18.812</b>	<b>21.848</b>	<b>22.893</b>	<b>22.805</b>	<b>23.910</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total consumption of energy in transport (Mtoe)***Consommation totale d'énergie dans les transports (Mtep)**Gesamtenergieverbrauch im Verkehrssektor (Mtoe)**Consumo totale di energia nel settore dei trasporti (Mtep)**運輸部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía en el transporte (Mtep)**Общее потребление топлива и энергии в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.89	1.00	2.09	4.06	4.66	6.19	7.09	11.65	11.39
Angola	0.34	0.47	0.33	0.34	0.36	0.83	1.98	1.90	2.53
Benin	0.08	0.10	0.09	0.05	0.31	0.52	0.82	0.94	1.06
Botswana*	..	..	..	0.22	0.41	0.51	0.67	0.64	0.68
Cameroon	0.19	0.21	0.39	0.58	0.62	0.70	0.74	0.84	0.90
Congo	0.11	0.12	0.17	0.16	0.13	0.23	0.37	0.40	0.47
Dem. Rep. of Congo	0.14	0.17	0.21	0.19	0.13	0.18	0.22	0.23	0.26
Côte d'Ivoire	0.29	0.31	0.52	0.40	0.42	0.41	0.52	0.53	0.42
Egypt	1.31	1.47	2.69	5.27	9.38	10.00	12.79	13.67	12.97
Eritrea*	..	..	..	..	0.07	0.06	0.04	0.04	0.05
Ethiopia	0.18	0.19	0.21	0.31	0.51	0.69	0.82	0.86	0.88
Gabon	-	0.01	0.08	0.11	0.10	0.15	0.17	0.19	0.20
Ghana	0.35	0.37	0.42	0.54	0.97	1.18	1.22	1.61	1.65
Kenya	0.49	0.53	0.64	0.90	0.75	0.89	1.07	1.30	1.57
Libya	0.23	0.55	1.57	2.07	3.59	3.14	3.41	4.01	4.02
Morocco	0.59	0.68	0.87	1.24	2.44	2.98	3.65	3.86	3.50
Mozambique	0.11	0.10	0.10	0.20	0.28	0.34	0.45	0.50	0.56
Namibia*	..	..	..	..	0.36	0.52	0.52	0.57	0.60
Nigeria	0.97	1.36	4.54	3.97	7.49	9.43	8.55	8.15	6.57
Senegal	0.15	0.17	0.24	0.24	0.38	0.48	0.78	0.64	0.66
South Africa	8.87	9.53	8.55	10.30	12.60	14.99	17.53	17.12	13.23
Sudan	0.67	0.80	0.75	1.29	0.90	1.56	2.18	2.27	2.26
United Rep. of Tanzania	0.24	0.27	0.23	0.23	0.41	0.88	1.09	0.98	1.00
Togo	0.07	0.07	0.11	0.14	0.14	0.21	0.29	0.30	0.31
Tunisia	0.29	0.35	0.58	0.83	1.34	1.53	1.56	1.90	2.01
Zambia	0.21	0.25	0.29	0.26	0.24	0.31	0.18	0.20	0.22
Zimbabwe	0.61	0.68	0.57	0.65	0.64	0.43	0.34	0.36	0.39
Other Africa	0.67	0.82	1.16	1.92	2.88	3.50	3.97	4.02	4.17
<b>Africa</b>	<b>18.04</b>	<b>20.59</b>	<b>27.37</b>	<b>36.47</b>	<b>52.52</b>	<b>62.85</b>	<b>73.00</b>	<b>79.68</b>	<b>74.53</b>
Argentina	8.09	8.82	10.47	9.55	13.94	13.34	14.91	13.36	15.00
Bolivia	0.33	0.39	0.71	0.76	1.18	1.47	2.02	2.10	2.36
Brazil	14.42	19.09	25.71	32.96	47.37	52.55	62.33	62.59	69.99
Colombia	2.31	2.63	4.02	5.72	6.30	6.91	7.57	7.08	7.37
Costa Rica	0.23	0.28	0.44	0.53	1.00	1.36	1.45	1.47	1.52
Cuba	1.38	1.48	1.78	1.70	0.73	0.65	0.63	0.50	0.50
Dominican Republic	0.48	0.53	0.60	0.93	2.27	2.04	1.82	1.82	1.81
Ecuador	0.62	0.70	1.34	2.30	3.01	3.67	4.29	4.87	4.91
El Salvador	0.19	0.22	0.29	0.42	0.84	0.97	0.81	0.86	0.86
Guatemala	0.23	0.32	0.45	0.57	1.29	1.71	1.67	1.88	1.90
Haiti	0.05	0.06	0.10	0.14	0.24	0.39	0.45	0.44	0.36
Honduras	0.15	0.18	0.21	0.35	0.70	0.75	0.99	1.01	1.00
Jamaica	0.54	0.54	0.29	0.37	0.66	0.81	1.23	0.98	0.93
Netherlands Antilles*	0.49	0.45	0.51	0.29	0.37	0.39	0.42	0.40	0.41
Nicaragua	0.23	0.28	0.29	0.25	0.48	0.48	0.50	0.51	0.57
Panama	0.26	0.30	0.35	0.42	0.78	0.95	1.04	1.13	1.17
Paraguay	0.14	0.18	0.37	0.56	0.92	1.01	1.14	1.29	1.47
Peru	1.78	2.10	2.04	2.38	3.20	3.31	4.58	5.09	5.60
Trinidad and Tobago	0.25	0.38	0.48	0.46	0.55	0.67	0.98	0.94	1.05
Uruguay	0.57	0.59	0.55	0.50	0.80	0.76	0.88	0.94	0.99
Venezuela	4.09	4.96	9.19	9.74	11.69	14.53	15.23	15.95	16.59
Other Non-OECD Americas	0.09	0.10	0.35	0.64	1.49	1.57	1.69	1.74	1.77
<b>Non-OECD Americas</b>	<b>36.93</b>	<b>44.56</b>	<b>60.54</b>	<b>71.53</b>	<b>99.80</b>	<b>110.27</b>	<b>126.62</b>	<b>126.96</b>	<b>138.11</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total consumption of energy in transport (Mtoe)***Consommation totale d'énergie dans les transports (Mtep)**Gesamtenergieverbrauch im Verkehrssektor (Mtoe)**Consumo totale di energia nel settore dei trasporti (Mtep)**運輸部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía en el transporte (Mtep)**Общее потребление топлива и энергии в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.08	0.08	0.32	0.54	1.00	1.55	2.30	2.64	2.98
Brunei Darussalam	0.03	0.03	0.11	0.19	0.27	0.32	0.38	0.38	0.40
Cambodia*	..	..	..	..	0.44	0.50	0.61	0.62	0.65
Chinese Taipei	0.79	1.21	2.86	6.68	11.51	12.78	11.65	11.77	12.16
India	13.99	13.64	17.28	27.10	31.99	34.76	46.16	51.28	55.49
Indonesia	2.69	3.08	5.95	10.71	21.87	25.08	27.71	31.70	35.89
DPR of Korea	0.59	0.67	1.84	1.56	0.56	0.43	0.41	0.31	0.30
Malaysia	1.36	1.56	2.14	4.76	10.50	13.27	14.48	14.17	14.58
Mongolia*	..	..	..	0.52	0.33	0.39	0.54	0.49	0.47
Myanmar	0.51	0.43	0.63	0.44	1.16	1.54	0.71	0.74	0.81
Nepal	0.02	0.02	0.05	0.11	0.27	0.27	0.44	0.57	0.62
Pakistan	1.04	1.09	2.21	4.50	8.24	8.92	10.84	11.08	11.39
Philippines	2.98	3.28	3.46	4.52	8.10	8.30	7.41	7.92	8.04
Singapore	0.51	0.60	0.95	1.36	1.99	2.19	2.63	2.76	2.83
Sri Lanka	0.45	0.54	0.68	0.82	1.68	2.07	1.96	1.86	2.31
Thailand	1.90	2.39	3.21	9.01	14.61	18.13	17.79	19.16	19.49
Vietnam	0.97	0.97	0.65	1.38	3.50	6.37	7.91	9.48	10.14
Other Asia	0.37	0.36	0.93	0.95	1.18	1.47	1.90	2.56	2.72
<b>Asia</b>	<b>28.28</b>	<b>29.95</b>	<b>43.28</b>	<b>75.15</b>	<b>119.21</b>	<b>138.36</b>	<b>155.81</b>	<b>169.47</b>	<b>181.28</b>
People's Rep. of China	14.30	17.32	26.01	35.16	86.47	131.45	166.12	172.56	184.37
Hong Kong, China	0.42	0.50	0.82	1.48	3.74	1.72	1.42	1.99	1.85
<b>China</b>	<b>14.72</b>	<b>17.83</b>	<b>26.83</b>	<b>36.64</b>	<b>90.21</b>	<b>133.17</b>	<b>167.55</b>	<b>174.55</b>	<b>186.21</b>
Albania	0.24	0.26	0.50	0.24	0.49	0.79	0.75	0.74	0.74
Armenia*	..	..	..	1.05	0.21	0.28	0.53	0.49	0.50
Azerbaijan*	..	..	..	1.43	0.74	1.80	1.78	1.62	1.80
Belarus*	..	..	..	3.76	1.95	2.00	2.55	2.61	2.70
Bosnia and Herzegovina*	..	..	..	0.73	0.70	0.76	1.12	1.03	1.08
Bulgaria	1.68	1.59	1.51	2.27	1.90	2.64	2.88	2.76	2.70
Croatia*	..	..	..	1.40	1.53	1.90	2.12	2.12	2.03
Cyprus	0.20	0.25	0.21	0.39	0.58	0.68	0.74	0.75	0.76
Georgia*	..	..	..	1.39	0.36	0.55	0.62	0.78	0.76
Gibraltar	0.01	0.01	0.01	0.03	0.08	0.09	0.10	0.10	0.11
Kazakhstan*	..	..	..	5.45	3.32	3.54	5.09	4.39	4.71
Kosovo*	..	..	..	..	0.19	0.27	0.33	0.34	0.32
Kyrgyzstan*	..	..	..	2.02	0.29	0.41	0.68	0.86	0.88
Latvia*	..	..	..	1.09	0.74	1.03	1.21	1.05	1.10
Lithuania*	..	..	..	1.87	1.05	1.41	1.79	1.48	1.52
FYR of Macedonia*	..	..	..	0.26	0.34	0.35	0.41	0.44	0.46
Malta	0.07	0.08	0.09	0.15	0.15	0.11	0.18	0.15	0.18
Republic of Moldova*	..	..	..	0.84	0.19	0.32	0.36	0.30	0.34
Montenegro*	..	..	..	..	..	0.06	0.06	0.07	0.06
Romania	2.66	2.84	2.54	4.15	3.38	4.18	5.25	5.26	4.84
Russian Federation*	..	..	..	115.87	74.48	88.56	97.20	89.61	96.49
Serbia*	..	..	..	1.52	0.80	2.21	2.36	2.23	2.22
Tajikistan*	..	..	..	0.27	0.02	0.05	0.10	0.09	0.10
Turkmenistan*	..	..	..	3.35	1.86	2.40	2.67	1.52	1.65
Ukraine*	..	..	..	10.83	7.72	9.16	12.56	11.73	11.70
Uzbekistan*	..	..	..	2.08	3.90	3.28	3.46	3.32	3.06
Former Soviet Union*	65.48	73.23	97.65	x	x	x	x	x	x
Former Yugoslavia*	3.93	3.82	4.44	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>74.28</b>	<b>82.08</b>	<b>106.94</b>	<b>162.45</b>	<b>106.96</b>	<b>128.84</b>	<b>146.90</b>	<b>135.85</b>	<b>142.81</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total consumption of energy in transport (Mtoe)***Consommation totale d'énergie dans les transports (Mtep)**Gesamtenergieverbrauch im Verkehrssektor (Mtoe)**Consumo totale di energia nel settore dei trasporti (Mtep)**運輸部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía en el transporte (Mtep)**Общее потребление топлива и энергии в транспорте (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.06	0.08	0.21	0.34	0.52	0.84	1.04	1.13	1.23
Islamic Republic of Iran	2.50	3.44	7.12	13.03	25.49	35.25	38.86	42.31	41.11
Iraq	0.82	0.98	3.16	7.03	8.85	10.48	8.96	9.22	10.05
Jordan	0.17	0.24	0.55	0.91	1.20	1.61	1.55	1.73	1.75
Kuwait	0.66	0.75	1.79	0.97	2.06	2.78	3.56	3.95	3.97
Lebanon	0.43	0.55	0.64	0.64	1.38	1.39	1.53	1.76	1.74
Oman	0.03	0.04	0.22	0.58	0.90	1.25	1.51	1.95	2.17
Qatar	0.08	0.11	0.35	0.50	0.81	1.57	2.87	2.84	3.07
Saudi Arabia	1.11	1.45	6.59	16.40	20.37	25.32	32.91	33.96	35.26
Syrian Arab Republic	0.48	0.58	1.21	2.42	2.79	4.48	4.97	4.25	4.10
United Arab Emirates	0.14	0.26	2.30	3.72	4.92	7.38	8.45	8.53	8.65
Yemen	0.22	0.41	0.76	1.35	1.49	1.97	1.88	2.01	2.14
<b>Middle East</b>	<b>6.70</b>	<b>8.88</b>	<b>24.89</b>	<b>47.88</b>	<b>70.78</b>	<b>94.33</b>	<b>108.10</b>	<b>113.63</b>	<b>115.25</b>
<b>Non-OECD Total*</b>	<b>178.96</b>	<b>203.89</b>	<b>289.86</b>	<b>430.13</b>	<b>539.47</b>	<b>667.82</b>	<b>777.98</b>	<b>800.15</b>	<b>838.18</b>
<i>European Union - 27*</i>	..	..	..	259.99	305.75	325.45	330.42	322.21	320.73
OECD Americas	418.15	465.95	498.52	567.42	687.23	729.68	716.45	690.14	702.15
OECD Asia Oceania	52.09	59.66	79.51	113.53	148.56	150.07	145.68	143.93	145.59
OECD Europe*	155.89	176.00	210.71	268.24	320.13	338.70	345.19	337.34	336.15
<b>OECD Total*</b>	<b>626.14</b>	<b>701.61</b>	<b>788.73</b>	<b>949.19</b>	<b>1 155.92</b>	<b>1 218.44</b>	<b>1 207.33</b>	<b>1 171.41</b>	<b>1 183.89</b>
<b>World marine bunkers</b>	<b>108.24</b>	<b>119.93</b>	<b>109.43</b>	<b>114.14</b>	<b>152.44</b>	<b>174.42</b>	<b>193.11</b>	<b>186.29</b>	<b>200.72</b>
<b>World aviation bunkers</b>	<b>56.50</b>	<b>62.35</b>	<b>67.44</b>	<b>86.39</b>	<b>118.83</b>	<b>141.13</b>	<b>152.78</b>	<b>146.14</b>	<b>153.65</b>
<b>World**</b>	<b>969.83</b>	<b>1 087.77</b>	<b>1 255.47</b>	<b>1 579.85</b>	<b>1 966.66</b>	<b>2 201.81</b>	<b>2 331.21</b>	<b>2 303.99</b>	<b>2 376.44</b>

Includes non-energy use in transport.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

\*\*World includes World marine bunkers and World aviation bunkers.



### Other consumption of coal and peat (Mtoe)

*Consommation de charbon et de tourbe des autres secteurs (Mtep)*

*Kohle- und Torfverbrauch in restlichen Sektoren (Mtoe)*

*Consumo di carbone e torba negli altri settori (Mtep)*

*他の部門の石炭及び泥炭消費量（石油換算百万トン）*

*Consumo de carbón y turba de otros sectores (Mtep)*

*Потребление угля и торфа другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.016	0.005	-	-	-	-	-	-	-
Botswana*	..	..	..	0.004	0.029	0.003	0.009	0.009	0.009
Dem. Rep. of Congo	-	-	0.049	0.054	0.061	0.071	0.077	0.079	0.081
Egypt	0.030	0.021	0.045	0.006	0.008	0.009	0.008	0.008	0.008
Morocco	0.021	0.011	-	-	-	0.019	-	-	-
Nigeria	0.006	0.006	0.006	-	-	-	-	-	-
South Africa	3.222	3.217	2.327	2.436	1.572	4.755	7.828	7.490	3.357
Tunisia	0.006	0.007	0.008	0.001	-	-	-	-	-
Zambia	0.012	0.012	0.022	0.021	0.006	0.006	-	-	-
Zimbabwe	0.198	0.239	0.303	0.436	0.531	0.247	0.193	0.204	0.224
Other Africa	0.099	0.105	0.016	0.021	0.037	0.030	0.030	0.030	0.031
<b>Africa</b>	<b>3.610</b>	<b>3.623</b>	<b>2.775</b>	<b>2.979</b>	<b>2.244</b>	<b>5.138</b>	<b>8.144</b>	<b>7.820</b>	<b>3.710</b>
Brazil	0.048	0.055	0.120	0.109	0.142	0.160	0.149	0.143	0.143
Colombia	0.153	0.151	0.161	0.123	0.071	0.064	0.061	0.081	0.052
Peru	-	-	-	0.007	0.008	0.005	-	-	0.018
Uruguay	0.007	0.007	0.007	0.008	0.009	-	-	-	-
Other Non-OECD Americas	0.025	0.030	0.017	0.001	0.001	0.002	0.003	0.003	0.003
<b>Non-OECD Americas</b>	<b>0.234</b>	<b>0.243</b>	<b>0.304</b>	<b>0.248</b>	<b>0.231</b>	<b>0.231</b>	<b>0.212</b>	<b>0.227</b>	<b>0.215</b>
Bangladesh	0.002	0.002	-	-	-	-	-	-	-
Chinese Taipei	0.214	0.166	0.091	0.006	0.001	-	-	-	-
India	6.067	6.142	7.269	10.671	8.309	9.359	11.572	18.474	13.766
Indonesia	-	-	-	-	0.006	0.001	-	-	-
DPR of Korea	2.942	3.033	4.215	4.145	3.437	3.631	3.392	3.263	3.123
Mongolia*	..	..	..	0.418	0.175	0.222	0.263	0.372	0.215
Myanmar	-	-	-	-	0.024	0.015	0.017	0.016	0.011
Nepal	-	-	-	-	0.001	0.001	0.001	0.001	0.001
Pakistan	0.098	0.033	0.017	0.003	0.000	-	0.001	-	-
Vietnam	0.957	1.011	0.518	0.291	0.884	1.308	1.439	1.460	1.588
Other Asia	0.239	0.161	0.026	0.026	-	-	-	-	-
<b>Asia</b>	<b>10.517</b>	<b>10.548</b>	<b>12.136</b>	<b>15.560</b>	<b>12.838</b>	<b>14.537</b>	<b>16.683</b>	<b>23.585</b>	<b>18.704</b>
People's Rep. of China	48.225	51.517	72.225	108.171	65.256	80.575	74.691	76.445	78.827
Hong Kong, China	0.020	0.025	0.071	0.311	0.539	0.567	0.573	0.567	0.573
<b>China</b>	<b>48.244</b>	<b>51.542</b>	<b>72.296</b>	<b>108.482</b>	<b>65.795</b>	<b>81.142</b>	<b>75.264</b>	<b>77.011</b>	<b>79.399</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### Other consumption of coal and peat (Mtoe)

*Consommation de charbon et de tourbe des autres secteurs (Mtep)*

*Kohle- und Torfverbrauch in restlichen Sektoren (Mtoe)*

*Consumo di carbone e torba negli altri settori (Mtep)*

*他の部門の石炭及び泥炭消費量（石油換算百万トン）*

*Consumo de carbón y turba de otros sectores (Mtep)*

*Потребление угля и торфа другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	0.095	0.108	0.173	0.410	0.002	0.004	0.011	0.003	0.003
Armenia*	..	..	..	0.245	-	-	-	-	-
Azerbaijan*	..	..	..	0.089	-	-	-	-	-
Belarus*	..	..	..	1.617	0.522	0.322	0.265	0.243	0.269
Bosnia and Herzegovina*	..	..	..	1.147	0.029	0.271	0.324	0.119	0.168
Bulgaria	0.882	1.173	1.022	0.747	0.243	0.245	0.211	0.147	0.179
Croatia*	..	..	..	0.146	0.019	0.019	0.010	0.009	0.011
Cyprus	-	-	-	-	-	0.000	0.000	0.000	0.000
Georgia*	..	..	..	0.053	0.008	0.004	0.024	0.063	0.012
Kazakhstan*	..	..	..	-	0.006	0.040	2.023	3.783	4.091
Kosovo*	..	..	..	..	0.011	0.013	0.025	0.025	0.028
Latvia*	..	..	..	0.279	0.049	0.047	0.041	0.035	0.047
Lithuania*	..	..	..	0.702	0.074	0.096	0.091	0.092	0.113
FYR of Macedonia*	..	..	..	0.007	0.005	0.014	0.005	0.004	0.004
Republic of Moldova*	..	..	..	0.669	0.053	0.070	0.049	0.051	0.058
Montenegro*	..	..	..	..	..	0.001	0.008	0.004	0.002
Romania	0.740	0.784	2.216	0.920	0.046	0.024	0.056	0.023	0.019
Russian Federation*	..	..	..	40.153	9.973	5.678	6.254	4.557	4.101
Serbia*	..	..	..	0.570	0.553	0.536	0.511	0.381	0.440
Tajikistan*	..	..	..	0.627	0.012	0.046	0.090	0.094	0.095
Turkmenistan*	..	..	..	0.297	-	-	-	-	-
Ukraine*	..	..	..	7.555	2.672	2.262	1.660	0.748	0.671
Uzbekistan*	..	..	..	1.269	0.322	0.148	0.214	0.334	0.186
Former Soviet Union*	56.060	59.712	67.272	x	x	x	x	x	x
Former Yugoslavia*	1.064	0.908	0.997	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>58.841</b>	<b>62.685</b>	<b>71.679</b>	<b>57.502</b>	<b>14.601</b>	<b>9.839</b>	<b>11.871</b>	<b>10.715</b>	<b>10.497</b>
Islamic Republic of Iran	-	-	-	-	0.019	0.009	0.009	0.009	0.009
<b>Middle East</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.019</b>	<b>0.009</b>	<b>0.009</b>	<b>0.009</b>	<b>0.009</b>
<b>Non-OECD Total*</b>	<b>121.446</b>	<b>128.641</b>	<b>159.191</b>	<b>184.771</b>	<b>95.727</b>	<b>110.896</b>	<b>112.183</b>	<b>119.367</b>	<b>112.534</b>
<i>European Union - 27*</i>	..	..	..	52.414	13.322	11.362	12.552	12.597	14.254
OECD Americas	17.901	14.355	8.096	9.795	2.306	2.607	1.802	1.622	1.533
OECD Asia Oceania	10.943	11.785	12.899	9.962	1.324	1.680	1.738	1.528	1.492
OECD Europe*	97.642	83.927	72.685	52.830	14.954	13.466	18.821	19.174	20.734
<b>OECD Total*</b>	<b>126.485</b>	<b>110.067</b>	<b>93.680</b>	<b>72.587</b>	<b>18.585</b>	<b>17.753</b>	<b>22.361</b>	<b>22.325</b>	<b>23.759</b>
<b>World</b>	<b>247.931</b>	<b>238.707</b>	<b>252.871</b>	<b>257.357</b>	<b>114.312</b>	<b>128.649</b>	<b>134.544</b>	<b>141.691</b>	<b>136.292</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Other consumption of oil (Mtoe)***Consommation de pétrole des autres secteurs (Mtep)**Ölverbrauch in restlichen Sektoren (Mtoe)**Consumo di petrolio negli altri settori (Mtep)**他の部門の石油消費量 (石油換算百万トン)**Consumo de petróleo de otros sectores (Mtep)**Потребление нефти и нефтепродуктов другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.559	0.793	1.577	2.851	2.825	3.826	4.279	2.470	2.396
Angola	0.042	0.050	0.228	0.221	0.348	0.342	0.991	1.171	1.298
Benin	0.014	0.020	0.030	0.012	0.100	0.307	0.369	0.380	0.376
Botswana*	..	..	..	0.042	0.065	0.061	0.059	0.059	0.059
Cameroon	0.019	0.015	0.084	0.240	0.243	0.172	0.136	0.140	0.142
Congo	0.014	0.015	0.018	0.025	0.023	0.019	0.028	0.034	0.038
Dem. Rep. of Congo	0.345	0.384	0.495	0.399	0.140	0.204	0.282	0.288	0.299
Côte d'Ivoire	0.093	0.091	0.182	0.144	0.190	0.250	0.345	0.301	0.260
Egypt	1.391	1.526	2.558	3.206	3.720	5.719	6.847	7.245	8.182
Eritrea*	..	..	..	..	0.071	0.065	0.043	0.044	0.044
Ethiopia	0.028	0.035	0.055	0.132	0.263	0.379	0.457	0.457	0.438
Gabon	-	0.014	0.029	0.049	0.060	0.078	0.086	0.093	0.099
Ghana	0.126	0.145	0.139	0.185	0.292	0.228	0.237	0.404	0.326
Kenya	0.201	0.231	0.293	0.326	0.462	0.432	0.408	0.497	0.522
Libya	0.126	0.128	0.267	0.471	0.869	0.892	0.929	0.753	0.796
Morocco	0.365	0.433	0.778	1.072	2.025	2.539	3.067	3.159	3.900
Mozambique	0.184	0.189	0.283	0.076	0.113	0.066	0.057	0.066	0.067
Namibia*	..	..	..	..	0.169	0.218	0.287	0.305	0.325
Nigeria	0.291	0.377	1.192	1.403	1.724	1.900	0.862	0.990	2.274
Senegal	0.024	0.025	0.038	0.101	0.148	0.189	0.154	0.198	0.206
South Africa	1.455	1.486	1.312	1.562	1.812	2.454	2.396	2.499	2.017
Sudan	0.105	0.083	0.041	0.051	0.158	0.385	0.504	0.551	0.518
United Rep. of Tanzania	0.064	0.081	0.094	0.115	0.116	0.183	0.225	0.190	0.195
Togo	0.019	0.013	0.012	0.019	0.050	0.063	0.046	0.047	0.050
Tunisia	0.269	0.305	0.453	0.736	1.118	1.238	1.177	0.919	0.918
Zambia	0.072	0.091	0.090	0.084	0.051	0.056	0.075	0.076	0.137
Zimbabwe	0.110	0.133	0.117	0.229	0.229	0.161	0.158	0.159	0.159
Other Africa	1.523	1.611	2.095	1.497	1.302	1.326	1.312	1.287	1.333
<b>Africa</b>	<b>7.439</b>	<b>8.273</b>	<b>12.461</b>	<b>15.246</b>	<b>18.686</b>	<b>23.751</b>	<b>25.817</b>	<b>24.779</b>	<b>27.374</b>
Argentina	3.515	3.947	4.279	3.413	3.791	4.756	4.606	4.800	5.204
Bolivia	0.125	0.153	0.239	0.216	0.303	0.420	0.512	0.495	0.528
Brazil	2.672	3.558	5.966	9.524	12.294	11.650	12.909	12.602	12.909
Colombia	1.506	1.677	1.172	1.495	1.596	1.246	1.403	1.618	1.673
Costa Rica	0.029	0.031	0.038	0.051	0.222	0.144	0.162	0.162	0.147
Cuba	0.991	1.172	1.587	1.741	1.037	1.192	0.840	0.587	0.573
Dominican Republic	0.067	0.073	0.099	0.353	1.002	0.797	1.042	0.856	0.839
Ecuador	0.146	0.177	0.613	0.763	0.799	1.161	1.237	1.226	1.254
El Salvador	0.051	0.052	0.052	0.061	0.161	0.192	0.198	0.207	0.231
Guatemala	0.092	0.115	0.164	0.207	0.360	0.213	0.231	0.214	0.253
Haiti	0.007	0.006	0.013	0.027	0.080	0.093	0.081	0.072	0.070
Honduras	0.059	0.069	0.105	0.111	0.101	0.467	0.229	0.261	0.270
Jamaica	0.102	0.169	0.156	1.110	0.590	1.040	1.530	0.650	0.549
Netherlands Antilles*	0.136	0.113	0.134	0.077	0.061	0.064	0.069	0.067	0.068
Nicaragua	0.064	0.067	0.066	0.069	0.080	0.123	0.142	0.118	0.138
Panama	0.038	0.042	0.051	0.085	0.130	0.159	0.158	0.185	0.275
Paraguay	0.013	0.015	0.022	0.048	0.083	0.072	0.097	0.096	0.098
Peru	1.199	0.901	1.275	1.276	1.479	1.048	0.947	0.996	0.933
Trinidad and Tobago	0.048	0.065	0.064	0.053	0.067	0.069	0.090	0.092	0.090
Uruguay	0.313	0.302	0.374	0.331	0.413	0.350	0.368	0.374	0.383
Venezuela	0.717	0.839	0.953	1.439	1.260	1.941	0.933	0.958	0.993
Other Non-OECD Americas	1.258	1.859	1.312	1.729	0.934	0.769	0.771	0.790	0.798
<b>Non-OECD Americas</b>	<b>13.148</b>	<b>15.403</b>	<b>18.731</b>	<b>24.178</b>	<b>26.839</b>	<b>27.965</b>	<b>28.555</b>	<b>27.426</b>	<b>28.274</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Other consumption of oil (Mtoe)***Consommation de pétrole des autres secteurs (Mtep)**Ölverbrauch in restlichen Sektoren (Mtoe)**Consumo di petrolio negli altri settori (Mtep)**他の部門の石油消費量 (石油換算百万トン)**Consumo de petróleo de otros sectores (Mtep)**Потребление нефти и нефтепродуктов другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.288	0.242	0.508	0.758	1.002	1.468	1.321	1.469	1.659
Brunei Darussalam	0.007	0.007	0.010	0.017	0.022	0.019	0.058	0.053	0.016
Cambodia*	..	..	..	..	0.067	0.089	0.113	0.123	0.132
Chinese Taipei	1.017	1.381	2.101	3.038	2.972	3.188	2.717	2.582	2.455
India	4.822	4.855	6.137	12.160	22.244	26.614	29.407	26.251	25.842
Indonesia	2.172	2.824	5.980	7.715	14.392	13.680	11.748	10.847	10.511
DPR of Korea	0.031	0.037	0.216	0.178	0.028	0.034	0.032	0.025	0.024
Malaysia	0.139	0.182	0.430	0.728	1.503	1.640	2.171	1.965	3.008
Mongolia*	..	..	..	0.031	0.015	0.023	0.036	0.034	0.042
Myanmar	0.306	0.260	0.097	0.003	0.174	0.230	0.214	0.219	0.152
Nepal	0.023	0.037	0.046	0.117	0.380	0.407	0.273	0.314	0.337
Pakistan	1.331	1.395	1.512	1.781	1.271	1.045	0.978	0.898	1.382
Philippines	1.006	1.040	1.242	1.117	2.271	1.815	1.672	1.970	2.088
Singapore	0.093	0.069	0.073	0.043	-	0.038	0.028	0.026	0.023
Sri Lanka	0.283	0.288	0.195	0.213	0.497	0.424	0.349	0.322	0.368
Thailand	1.029	1.241	1.812	2.725	4.441	5.111	5.958	6.026	6.314
Vietnam	2.486	2.738	0.575	0.486	1.365	2.101	1.966	2.017	2.086
Other Asia	0.777	0.988	0.921	0.984	0.392	0.395	0.640	0.719	0.772
<b>Asia</b>	<b>15.809</b>	<b>17.580</b>	<b>21.853</b>	<b>32.093</b>	<b>53.036</b>	<b>58.322</b>	<b>59.684</b>	<b>55.859</b>	<b>57.209</b>
People's Rep. of China	9.127	11.096	14.789	25.304	38.338	62.288	68.987	72.616	75.854
Hong Kong, China	0.304	0.200	0.266	0.207	0.215	0.434	0.465	0.471	0.423
<b>China</b>	<b>9.431</b>	<b>11.296</b>	<b>15.054</b>	<b>25.511</b>	<b>38.553</b>	<b>62.722</b>	<b>69.452</b>	<b>73.087</b>	<b>76.276</b>
Albania	0.108	0.148	0.082	0.095	0.255	0.277	0.226	0.183	0.202
Armenia*	..	..	..	0.595	0.071	0.140	0.142	0.130	0.143
Azerbaijan*	..	..	..	3.113	0.368	0.425	0.362	0.393	0.427
Belarus*	..	..	..	3.078	1.381	1.723	2.316	1.961	1.979
Bosnia and Herzegovina*	..	..	..	0.077	0.308	0.215	0.191	0.212	0.241
Bulgaria	6.783	7.295	6.140	1.481	0.372	0.304	0.203	0.219	0.193
Croatia*	..	..	..	0.802	0.706	0.709	0.586	0.577	0.553
Cyprus	0.041	0.045	0.049	0.066	0.083	0.184	0.214	0.216	0.199
Georgia*	..	..	..	0.704	0.237	0.107	0.150	0.089	0.125
Kazakhstan*	..	..	..	2.807	1.194	1.475	3.551	2.650	8.176
Kosovo*	..	..	..	..	0.050	0.067	0.080	0.085	0.081
Kyrgyzstan*	..	..	..	0.944	0.107	0.069	0.076	0.298	0.325
Latvia*	..	..	..	0.547	0.164	0.187	0.170	0.186	0.195
Lithuania*	..	..	..	0.888	0.136	0.117	0.094	0.088	0.096
FYR of Macedonia*	..	..	..	0.221	0.115	0.183	0.130	0.140	0.137
Malta	0.034	0.041	0.030	0.033	0.031	0.023	0.024	0.020	0.023
Republic of Moldova*	..	..	..	2.774	0.231	0.384	0.356	0.351	0.382
Montenegro*	..	..	..	..	..	0.001	0.001	0.001	0.001
Romania	5.200	6.076	8.581	1.894	0.886	1.544	0.821	0.708	0.631
Russian Federation*	..	..	..	28.475	12.622	11.882	14.953	9.953	10.181
Serbia*	..	..	..	0.359	0.091	0.109	0.181	0.176	0.192
Tajikistan*	..	..	..	1.430	0.174	0.241	0.413	0.432	0.447
Turkmenistan*	..	..	..	2.916	1.309	1.529	1.788	1.672	1.596
Ukraine*	..	..	..	5.662	0.340	0.597	1.990	1.974	2.414
Uzbekistan*	..	..	..	3.443	1.364	0.904	0.895	0.921	0.794
Former Soviet Union*	48.388	53.666	70.749	x	x	x	x	x	x
Former Yugoslavia*	1.150	1.267	1.282	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>61.703</b>	<b>68.539</b>	<b>86.912</b>	<b>62.404</b>	<b>22.593</b>	<b>23.394</b>	<b>29.913</b>	<b>23.635</b>	<b>29.732</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Other consumption of oil (Mtoe)***Consommation de pétrole des autres secteurs (Mtep)**Ölverbrauch in restlichen Sektoren (Mtoe)**Consumo di petrolio negli altri settori (Mtep)**他の部門の石油消費量（石油換算百万トン）**Consumo de petróleo de otros sectores (Mtep)**Потребление нефти и нефтепродуктов другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.016	0.013	0.024	0.045	0.063	0.083	0.077	0.084	0.091
Islamic Republic of Iran	3.894	5.226	9.386	15.381	19.053	17.692	15.629	14.649	13.261
Iraq	0.726	0.729	1.403	2.194	3.121	4.548	3.971	3.983	4.454
Jordan	0.123	0.116	0.271	0.574	0.937	1.095	0.844	0.885	0.770
Kuwait	0.077	0.077	0.108	0.060	0.122	0.159	0.190	0.186	0.194
Lebanon	0.343	0.423	0.528	0.187	0.537	0.431	0.287	1.047	0.408
Oman	0.042	0.033	0.211	0.174	0.249	0.348	0.810	0.906	0.511
Qatar	0.004	0.006	0.077	0.034	0.047	0.062	0.090	0.094	0.103
Saudi Arabia	0.197	0.249	0.857	0.921	1.232	1.487	1.525	1.521	1.496
Syrian Arab Republic	0.369	0.352	0.563	2.355	2.313	3.432	3.515	2.807	2.497
United Arab Emirates	-	-	-	0.115	0.122	0.050	0.113	0.184	0.212
Yemen	0.058	0.057	0.158	0.249	1.185	1.767	2.051	2.150	2.101
<b>Middle East</b>	<b>5.848</b>	<b>7.280</b>	<b>13.585</b>	<b>22.290</b>	<b>28.982</b>	<b>31.153</b>	<b>29.101</b>	<b>28.493</b>	<b>26.099</b>
<b>Non-OECD Total*</b>	<b>113.378</b>	<b>128.372</b>	<b>168.596</b>	<b>181.722</b>	<b>188.689</b>	<b>227.307</b>	<b>242.521</b>	<b>233.279</b>	<b>244.963</b>
<i>European Union - 27*</i>	..	..	..	110.221	98.940	96.800	86.090	79.093	78.454
OECD Americas	164.652	162.502	113.254	83.246	88.840	89.464	80.082	75.199	76.367
OECD Asia Oceania	33.250	41.766	43.928	58.153	70.457	64.934	51.576	50.109	50.028
OECD Europe*	162.622	190.524	157.944	117.174	109.086	106.161	95.888	88.676	88.408
<b>OECD Total*</b>	<b>360.524</b>	<b>394.791</b>	<b>315.126</b>	<b>258.573</b>	<b>268.383</b>	<b>260.558</b>	<b>227.546</b>	<b>213.984</b>	<b>214.803</b>
<b>World</b>	<b>473.902</b>	<b>523.163</b>	<b>483.722</b>	<b>440.296</b>	<b>457.072</b>	<b>487.866</b>	<b>470.067</b>	<b>447.263</b>	<b>459.767</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Other consumption of natural gas (Mtoe)***Consommation de gaz naturel des autres secteurs (Mtep)**Erdgasverbrauch in restlichen Sektoren (Mtoe)**Consumo di gas negli altri settori (Mtep)**他の部門の天然ガス消費量（石油換算百万トン）**Consumo de gas natural de otros sectores (Mtep)**Потребление природного газа другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.060	0.085	0.354	1.045	2.044	3.383	4.047	4.323	4.220
Côte d'Ivoire	-	-	-	-	0.493	0.143	0.206	0.227	0.185
Egypt	-	-	-	0.065	0.330	0.576	0.601	0.805	0.854
Mozambique	-	-	-	-	0.000	0.000	0.034	0.021	0.068
Tunisia	-	-	-	0.059	0.157	0.220	0.282	0.313	0.313
<b>Africa</b>	<b>0.060</b>	<b>0.085</b>	<b>0.354</b>	<b>1.169</b>	<b>3.024</b>	<b>4.322</b>	<b>5.170</b>	<b>5.689</b>	<b>5.639</b>
Argentina	1.182	1.371	2.387	5.086	6.711	7.173	8.162	8.166	8.728
Bolivia	-	-	-	-	0.010	0.031	0.050	0.046	0.069
Brazil	0.117	0.123	0.154	0.199	0.241	0.451	0.383	0.397	0.491
Colombia	-	-	0.002	0.107	0.593	0.891	1.153	1.087	1.093
Cuba	0.031	0.033	0.048	0.056	0.063	0.071	0.060	0.060	0.054
Peru	0.042	0.042	0.035	0.041	0.001	0.011	0.043	0.070	0.064
Trinidad and Tobago	-	-	-	-	0.121	0.087	0.104	0.190	0.087
Uruguay	-	-	-	-	0.000	0.022	0.030	0.031	0.033
Venezuela	0.414	0.501	0.624	0.605	1.312	1.587	1.611	1.496	1.541
Other Non-OECD Americas	0.003	0.003	0.008	0.012	0.017	0.006	0.007	0.007	0.008
<b>Non-OECD Americas</b>	<b>1.788</b>	<b>2.073</b>	<b>3.257</b>	<b>6.106</b>	<b>9.069</b>	<b>10.330</b>	<b>11.603</b>	<b>11.549</b>	<b>12.167</b>
Bangladesh	0.002	0.003	0.091	0.295	0.792	1.356	1.789	1.919	2.147
Brunei Darussalam	-	-	-	-	-	-	0.028	0.026	0.025
Chinese Taipei	0.030	0.066	0.264	0.534	0.808	0.975	1.008	1.012	1.109
India	0.016	0.018	0.049	0.115	0.402	0.187	0.212	0.161	0.184
Indonesia	-	-	-	0.018	0.039	0.046	0.067	0.118	0.151
Malaysia	0.006	0.009	0.031	0.007	0.015	0.025	0.033	0.024	0.032
Myanmar	0.000	0.000	0.001	0.001	0.001	0.013	0.017	0.018	0.019
Pakistan	0.089	0.118	0.439	1.759	3.590	4.454	5.549	5.698	5.973
Singapore	0.020	0.023	0.047	0.063	0.105	0.106	0.113	0.131	0.119
Thailand	-	-	-	-	-	-	-	0.000	0.001
Other Asia	0.193	0.145	0.090	0.245	0.098	0.109	0.128	0.130	0.139
<b>Asia</b>	<b>0.356</b>	<b>0.382</b>	<b>1.010</b>	<b>3.036</b>	<b>5.850</b>	<b>7.271</b>	<b>8.945</b>	<b>9.236</b>	<b>9.898</b>
People's Rep. of China	0.046	0.074	0.209	1.757	3.244	9.574	17.984	19.479	24.165
<b>China</b>	<b>0.046</b>	<b>0.074</b>	<b>0.209</b>	<b>1.757</b>	<b>3.244</b>	<b>9.574</b>	<b>17.984</b>	<b>19.479</b>	<b>24.165</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

**Other consumption of natural gas (Mtoe)***Consommation de gaz naturel des autres secteurs (Mtep)**Erdgasverbrauch in restlichen Sektoren (Mtoe)**Consumo di gas negli altri settori (Mtep)**他の部門の天然ガス消費量（石油換算百万トン）**Consumo de gas natural de otros sectores (Mtep)**Потребление природного газа другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Albania	0.106	0.159	0.322	0.040	-	-	-	-	-
Armenia*	..	..	..	1.776	0.131	0.309	0.507	0.477	0.510
Azerbaijan*	..	..	..	2.846	2.239	2.367	2.630	2.378	2.467
Belarus*	..	..	..	1.217	1.254	1.282	1.303	1.422	1.576
Bosnia and Herzegovina*	..	..	..	0.032	0.037	0.052	0.052	0.064	0.068
Bulgaria	0.247	0.168	3.180	0.018	0.025	0.084	0.155	0.143	0.154
Croatia*	..	..	..	0.243	0.498	0.704	0.694	0.716	0.770
Georgia*	..	..	..	1.246	0.266	0.283	0.328	0.266	0.325
Kazakhstan*	..	..	..	7.770	2.674	2.258	5.274	1.214	1.725
Kyrgyzstan*	..	..	..	0.606	0.163	0.231	0.254	0.169	0.060
Latvia*	..	..	..	0.225	0.120	0.211	0.239	0.220	0.255
Lithuania*	..	..	..	0.597	0.159	0.213	0.249	0.234	0.256
FYR of Macedonia*	..	..	..	-	-	0.001	0.001	0.001	0.001
Republic of Moldova*	..	..	..	0.442	0.248	0.397	0.318	0.350	0.371
Romania	-	2.449	-	3.087	2.472	3.118	3.043	3.137	3.214
Russian Federation*	..	..	..	57.439	47.457	42.655	44.654	45.207	44.007
Serbia*	..	..	..	1.582	0.296	0.208	0.281	0.306	0.316
Tajikistan*	..	..	..	0.734	0.384	0.274	0.204	0.138	0.088
Turkmenistan*	..	..	..	4.003	3.533	4.504	6.003	5.965	6.831
Ukraine*	..	..	..	9.933	13.658	15.000	14.526	13.656	14.544
Uzbekistan*	..	..	..	19.679	17.284	16.553	18.125	14.494	14.075
Former Soviet Union*	23.100	26.700	52.386	x	x	x	x	x	x
Former Yugoslavia*	0.094	0.124	0.318	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>23.547</b>	<b>29.600</b>	<b>56.205</b>	<b>113.514</b>	<b>92.898</b>	<b>90.703</b>	<b>98.840</b>	<b>90.555</b>	<b>91.612</b>
Islamic Republic of Iran	-	0.013	0.674	2.610	18.540	30.273	37.399	40.153	39.933
Kuwait	1.343	1.568	2.009	-	-	-	-	-	-
Oman	-	-	-	0.070	0.217	0.053	0.131	0.156	0.164
Syrian Arab Republic	-	-	-	0.750	0.288	0.198	0.196	0.119	0.192
<b>Middle East</b>	<b>1.343</b>	<b>1.580</b>	<b>2.683</b>	<b>3.429</b>	<b>19.044</b>	<b>30.524</b>	<b>37.726</b>	<b>40.427</b>	<b>40.289</b>
<b>Non-OECD Total*</b>	<b>27.140</b>	<b>33.794</b>	<b>63.719</b>	<b>129.011</b>	<b>133.129</b>	<b>152.724</b>	<b>180.268</b>	<b>176.935</b>	<b>183.770</b>
<i>European Union - 27*</i>	..	..	..	112.164	153.030	177.562	170.807	168.692	173.752
OECD Americas	185.623	185.204	187.750	184.942	215.649	207.987	213.874	209.784	207.628
OECD Asia Oceania	1.086	2.180	5.080	14.674	29.808	37.390	40.403	40.546	43.212
OECD Europe*	21.757	38.081	80.840	109.183	154.821	182.417	178.433	173.141	178.220
<b>OECD Total*</b>	<b>208.466</b>	<b>225.466</b>	<b>273.670</b>	<b>308.799</b>	<b>400.277</b>	<b>427.793</b>	<b>432.711</b>	<b>423.471</b>	<b>429.060</b>
<b>World</b>	<b>235.606</b>	<b>259.260</b>	<b>337.388</b>	<b>437.809</b>	<b>533.406</b>	<b>580.517</b>	<b>612.978</b>	<b>600.406</b>	<b>612.830</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total other consumption of energy (Mtoe)***Consommation totale d'énergie des autres secteurs (Mtep)**Gesamtenergieverbrauch in restlichen Sektoren (Mtoe)**Consumo totale di energia negli altri settori (Mtep)**他の部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía de otros sectores (Mtep)**Общее потребление топлива и энергии другими секторами (Мтпэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.71	0.98	2.12	4.43	5.92	8.80	10.11	8.35	8.42
Angola	2.37	2.42	2.85	3.37	4.45	5.23	6.42	6.78	7.08
Benin	0.88	0.92	1.08	1.36	1.29	1.69	1.98	2.04	2.09
Botswana*	..	..	..	0.48	0.69	0.63	0.68	0.70	0.71
Cameroon	2.28	2.38	2.96	3.97	5.10	5.65	4.40	4.56	4.57
Congo	0.26	0.27	0.31	0.40	0.43	0.48	0.53	0.55	0.57
Dem. Rep. of Congo	4.85	5.11	6.10	8.06	12.60	14.93	16.59	17.16	17.38
Côte d'Ivoire	1.26	2.77	2.97	3.08	3.49	4.40	4.79	4.56	4.55
Egypt	1.98	2.12	3.47	5.48	8.12	12.11	14.60	15.69	17.07
Eritrea*	..	..	..	..	0.48	0.42	0.43	0.45	0.46
Ethiopia	7.83	8.24	9.96	13.58	17.12	19.38	28.27	29.06	29.88
Gabon	0.40	0.43	0.52	0.67	0.86	0.97	1.04	1.07	1.09
Ghana	1.73	1.92	2.25	3.01	4.12	3.70	3.85	4.06	4.05
Kenya	3.00	3.25	4.22	5.95	7.80	8.83	9.51	9.84	10.13
Libya	0.25	0.29	0.58	0.95	1.62	2.41	2.64	2.53	2.64
Morocco	0.59	0.67	1.21	1.73	2.96	3.82	4.53	4.66	5.56
Mozambique	4.37	4.33	4.46	4.00	4.55	4.97	5.57	5.83	6.09
Namibia*	..	..	..	..	0.53	0.61	0.76	0.76	0.77
Nigeria	30.05	31.65	39.04	51.40	67.24	76.60	81.23	83.37	86.94
Senegal	0.54	0.55	0.60	0.71	0.88	0.97	1.10	1.23	1.26
South Africa	9.49	10.44	10.80	14.82	18.22	22.55	26.86	26.11	22.10
Sudan	2.48	2.57	3.03	3.79	5.13	6.27	6.39	6.70	6.85
United Rep. of Tanzania	5.73	5.79	6.10	7.55	10.33	12.07	13.19	13.52	13.91
Togo	0.40	0.41	0.48	0.69	1.04	1.19	1.26	1.28	1.31
Tunisia	0.64	0.70	0.95	1.49	2.41	2.86	3.08	2.89	2.95
Zambia	1.50	1.64	2.04	2.81	3.54	4.01	4.36	4.52	4.67
Zimbabwe	3.42	3.62	4.20	5.59	6.69	6.90	7.04	7.08	7.13
Other Africa	22.47	23.35	27.35	33.61	42.65	49.05	53.88	55.37	56.98
<b>Africa</b>	<b>109.50</b>	<b>116.81</b>	<b>139.66</b>	<b>183.00</b>	<b>240.28</b>	<b>281.51</b>	<b>315.09</b>	<b>320.72</b>	<b>327.21</b>
Argentina	5.91	6.57	8.31	10.31	14.41	16.40	18.33	18.44	19.74
Bolivia	0.31	0.34	0.90	0.88	0.75	0.93	1.40	1.41	1.72
Brazil	29.02	29.59	29.78	29.16	36.36	39.36	42.76	43.01	44.43
Colombia	5.87	5.47	6.21	7.80	6.68	6.80	7.55	8.00	8.05
Costa Rica	0.52	0.53	0.57	0.77	0.65	0.93	1.11	1.01	1.06
Cuba	2.29	2.58	3.45	3.97	2.98	3.04	2.26	2.08	1.89
Dominican Republic	0.58	0.62	0.78	1.20	2.20	2.28	2.60	2.41	2.45
Ecuador	1.17	1.15	1.54	1.59	1.67	2.03	2.32	2.37	2.44
El Salvador	1.17	1.24	1.38	1.06	1.37	1.49	1.12	0.89	0.93
Guatemala	1.52	1.61	2.30	2.93	3.74	3.79	4.34	4.39	5.86
Haiti	1.04	1.10	1.38	0.95	1.13	1.46	1.52	1.51	1.37
Honduras	0.93	0.97	1.14	1.41	1.42	2.02	2.05	2.12	2.16
Jamaica	0.14	0.22	0.22	1.37	1.01	1.40	1.89	1.08	0.94
Netherlands Antilles*	0.15	0.13	0.16	0.10	0.09	0.10	0.10	0.10	0.11
Nicaragua	0.61	0.66	0.75	0.99	1.30	1.66	1.33	1.30	1.33
Panama	0.37	0.39	0.45	0.56	0.78	0.86	0.99	1.01	1.10
Paraguay	0.80	0.83	0.97	1.41	1.42	1.40	1.44	1.51	1.54
Peru	4.24	4.02	4.45	4.21	4.28	4.06	3.80	4.50	5.03
Trinidad and Tobago	0.09	0.10	0.14	0.17	0.35	0.36	0.47	0.56	0.46
Uruguay	0.76	0.75	0.87	0.84	1.16	1.09	1.21	1.29	1.33
Venezuela	1.76	2.10	3.07	4.19	5.91	7.22	6.85	6.91	7.05
Other Non-OECD Americas	1.65	2.30	3.07	3.81	3.18	3.27	3.25	3.31	3.37
<b>Non-OECD Americas</b>	<b>60.91</b>	<b>63.29</b>	<b>71.88</b>	<b>79.68</b>	<b>92.88</b>	<b>101.95</b>	<b>108.68</b>	<b>109.20</b>	<b>114.34</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Total other consumption of energy (Mtoe)***Consommation totale d'énergie des autres secteurs (Mtep)**Gesamtenergieverbrauch in restlichen Sektoren (Mtoe)**Consumo totale di energia negli altri settori (Mtep)**他の部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía de otros sectores (Mtep)**Общее потребление топлива и энергии другими секторами (Мтпэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	4.76	5.05	6.29	8.09	10.01	12.02	12.84	13.38	14.04
Brunei Darussalam	0.04	0.04	0.04	0.09	0.21	0.23	0.31	0.31	0.28
Cambodia*	..	..	..	..	1.90	1.68	1.52	2.70	2.72
Chinese Taipei	1.64	2.10	3.56	6.37	10.10	11.98	11.73	11.51	11.67
India	91.72	95.73	113.03	142.68	170.71	188.27	204.79	212.80	212.02
Indonesia	27.65	29.06	35.73	43.66	58.01	62.64	63.74	63.86	65.81
DPR of Korea	4.20	4.40	6.06	6.29	5.09	5.44	5.23	5.03	4.91
Malaysia	0.99	1.12	1.75	2.83	5.38	6.80	8.14	8.22	9.73
Mongolia*	..	..	..	1.28	0.73	0.91	1.01	1.19	1.03
Myanmar	6.11	6.36	7.02	8.47	9.08	10.21	10.49	10.59	10.68
Nepal	3.61	3.78	4.41	5.54	7.38	8.37	8.74	8.95	9.14
Pakistan	11.05	11.69	14.80	21.58	28.72	32.56	35.15	35.96	37.28
Philippines	7.28	7.88	9.43	10.25	10.19	9.08	8.70	8.99	9.14
Singapore	0.22	0.23	0.39	0.73	1.51	1.81	2.04	2.22	2.38
Sri Lanka	2.64	2.69	2.92	3.67	3.90	3.91	3.91	4.11	4.30
Thailand	4.43	4.98	7.77	10.78	13.62	16.31	18.82	18.79	20.43
Vietnam	9.59	10.19	8.56	10.11	13.60	16.48	17.24	17.79	18.39
Other Asia	2.39	2.62	3.89	4.40	4.64	4.91	5.36	5.62	5.85
<b>Asia</b>	<b>178.31</b>	<b>187.91</b>	<b>225.66</b>	<b>286.82</b>	<b>354.77</b>	<b>393.62</b>	<b>419.74</b>	<b>432.02</b>	<b>439.80</b>
People's Rep. of China	213.71	226.92	273.24	347.07	346.70	426.21	464.10	484.44	499.65
Hong Kong, China	0.62	0.58	0.97	2.03	3.51	4.15	4.32	4.40	4.39
<b>China</b>	<b>214.33</b>	<b>227.50</b>	<b>274.20</b>	<b>349.09</b>	<b>350.21</b>	<b>430.36</b>	<b>468.43</b>	<b>488.83</b>	<b>504.04</b>
Albania	0.78	0.90	1.20	1.07	0.74	0.88	0.78	0.79	0.81
Armenia*	..	..	..	3.32	0.47	0.73	0.97	0.91	0.96
Azerbaijan*	..	..	..	6.74	3.90	4.08	4.08	3.70	3.84
Belarus*	..	..	..	11.42	8.55	8.97	8.97	9.10	9.59
Bosnia and Herzegovina*	..	..	..	1.80	0.98	1.22	1.35	1.23	1.33
Bulgaria	8.75	9.62	12.31	4.72	3.06	3.21	3.26	3.24	3.40
Croatia*	..	..	..	2.16	2.43	2.85	2.76	2.78	2.90
Cyprus	0.08	0.09	0.11	0.19	0.34	0.52	0.63	0.65	0.64
Georgia*	..	..	..	3.32	1.55	1.21	1.34	1.20	1.28
Gibraltar	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Kazakhstan*	..	..	..	25.52	7.89	8.99	16.04	12.32	18.69
Kosovo*	..	..	..	..	0.42	0.52	0.59	0.59	0.59
Kyrgyzstan*	..	..	..	2.36	1.04	1.00	0.84	0.98	0.87
Latvia*	..	..	..	3.31	1.93	2.25	2.19	2.25	2.28
Lithuania*	..	..	..	4.35	1.94	2.19	2.27	2.26	2.30
FYR of Macedonia*	..	..	..	0.47	0.70	0.77	0.75	0.81	0.80
Malta	0.06	0.07	0.07	0.11	0.12	0.15	0.14	0.12	0.12
Republic of Moldova*	..	..	..	4.69	0.90	1.42	1.27	1.21	1.28
Montenegro*	..	..	..	..	..	0.11	0.13	0.15	0.17
Romania	11.41	14.85	17.49	13.76	10.05	10.57	10.46	10.36	10.59
Russian Federation*	..	..	..	260.27	179.24	156.08	165.21	156.65	157.44
Serbia*	..	..	..	5.56	3.94	3.79	3.91	4.03	4.14
Tajikistan*	..	..	..	3.42	1.32	1.33	1.46	1.38	1.37
Turkmenistan*	..	..	..	7.51	5.26	6.57	8.42	8.29	9.10
Ukraine*	..	..	..	41.64	26.83	28.00	27.97	34.78	30.81
Uzbekistan*	..	..	..	29.08	23.51	22.02	23.63	20.10	19.47
Former Soviet Union*	169.45	184.67	264.97	x	x	x	x	x	x
Former Yugoslavia*	4.77	4.16	5.06	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>195.30</b>	<b>214.37</b>	<b>301.21</b>	<b>436.82</b>	<b>287.14</b>	<b>269.45</b>	<b>289.45</b>	<b>279.90</b>	<b>284.79</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Total other consumption of energy (Mtoe)***Consommation totale d'énergie des autres secteurs (Mtep)**Gesamtenergieverbrauch in restlichen Sektoren (Mtoe)**Consumo totale di energia negli altri settori (Mtep)**他の部門のエネルギー総消費量（石油換算百万トン）**Consumo total de energía de otros sectores (Mtep)**Общее потребление топлива и энергии другими секторами (Мтнэ)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.04	0.04	0.15	0.27	0.46	0.64	0.80	0.85	1.01
Islamic Republic of Iran	4.20	5.65	11.06	21.19	43.04	56.09	62.75	64.88	64.06
Iraq	0.89	0.93	2.02	3.39	4.61	6.12	5.43	6.34	7.19
Jordan	0.12	0.12	0.32	0.79	1.36	1.70	1.70	1.80	1.72
Kuwait	1.58	1.85	2.49	0.89	1.84	2.58	3.05	3.14	3.37
Lebanon	0.54	0.65	0.84	0.39	1.28	1.29	1.21	2.02	1.49
Oman	0.04	0.04	0.27	0.54	1.02	1.08	1.96	2.21	1.93
Qatar	0.03	0.04	0.22	0.38	0.57	0.86	1.24	1.41	1.55
Saudi Arabia	0.25	0.33	1.84	4.94	8.68	11.78	14.34	15.22	16.48
Syrian Arab Republic	0.40	0.39	0.68	3.46	3.28	4.93	5.21	4.63	4.62
United Arab Emirates	0.01	0.05	0.44	1.26	3.03	4.15	5.45	5.78	6.41
Yemen	0.10	0.10	0.23	0.40	1.40	2.09	2.49	2.60	2.59
<b>Middle East</b>	<b>8.21</b>	<b>10.19</b>	<b>20.56</b>	<b>37.90</b>	<b>70.57</b>	<b>93.33</b>	<b>105.62</b>	<b>110.87</b>	<b>112.41</b>
<b>Non-OECD Total*</b>	<b>766.56</b>	<b>820.07</b>	<b>1 033.17</b>	<b>1 373.32</b>	<b>1 395.85</b>	<b>1 570.21</b>	<b>1 707.02</b>	<b>1 741.55</b>	<b>1 782.60</b>
<i>European Union - 27*</i>	..	..	..	428.93	450.76	494.12	484.28	476.95	497.02
OECD Americas	468.93	477.13	464.57	481.44	566.67	601.36	608.72	593.08	598.94
OECD Asia Oceania	58.24	71.40	84.82	132.71	177.57	191.95	187.15	185.70	192.04
OECD Europe*	354.73	394.62	425.80	436.37	473.22	520.99	519.21	509.38	530.66
<b>OECD Total*</b>	<b>881.89</b>	<b>943.15</b>	<b>975.19</b>	<b>1 050.52</b>	<b>1 217.46</b>	<b>1 314.30</b>	<b>1 315.09</b>	<b>1 288.16</b>	<b>1 321.64</b>
<b>World</b>	<b>1 648.46</b>	<b>1 763.22</b>	<b>2 008.35</b>	<b>2 423.85</b>	<b>2 613.31</b>	<b>2 884.52</b>	<b>3 022.11</b>	<b>3 029.71</b>	<b>3 104.24</b>

Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using exchange rates (billion 2005 USD)***PIB basé sur les taux de change (milliards USD 2005)**BIP auf Wechselkursbasis (Milliarden 2005 USD)**PIL ai tassi di cambio (miliardi di USD 2005)*

為替換算による国内総生産（十億米ドル，2005年価格）

*PIB basado en los tipos de cambio (millardos 2005 USD)**ВВП по валютному курсу (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	25.75	34.06	51.92	68.21	80.60	102.34	110.10	112.41	115.79
Angola	13.68	14.83	13.84	17.36	18.72	30.63	50.71	51.93	53.12
Benin	1.29	1.42	1.71	2.22	3.55	4.29	4.91	5.09	5.25
Botswana*	..	..	..	4.55	7.94	10.26	11.62	11.05	11.85
Cameroon	4.79	5.18	8.70	12.07	13.83	16.59	18.24	18.60	19.08
Congo	1.57	1.84	2.70	4.33	4.99	6.09	6.71	7.21	7.85
Dem. Rep. of Congo	9.67	10.47	9.51	10.39	5.84	7.10	8.42	8.66	9.29
Côte d'Ivoire	7.94	8.77	12.14	13.04	16.36	16.36	17.15	17.79	18.33
Egypt	15.88	16.32	29.08	49.53	75.40	89.69	109.96	115.11	121.04
Eritrea*	..	..	..	..	0.97	1.10	1.00	1.11	1.14
Ethiopia	5.40	5.58	5.66	6.85	8.99	12.29	16.81	18.28	19.74
Gabon	2.98	3.66	5.64	6.74	7.95	8.67	9.47	9.34	9.87
Ghana	4.52	4.53	4.45	5.50	8.39	10.72	13.17	13.78	14.69
Kenya	4.94	6.13	8.74	13.02	15.67	18.74	21.65	22.21	23.39
Libya	34.40	30.20	43.83	29.79	34.50	44.00	51.12	52.20	54.36
Morocco	16.11	17.09	25.33	36.97	46.69	59.52	69.56	72.87	75.55
Mozambique	2.92	3.19	2.53	2.56	4.36	6.58	8.19	8.72	9.35
Namibia*	..	..	..	..	5.71	7.26	8.55	8.49	8.89
Nigeria	41.00	44.67	57.03	63.43	83.38	112.25	134.51	143.93	155.22
Senegal	3.34	3.36	3.96	5.12	6.93	8.70	9.67	9.88	10.29
South Africa	110.14	117.08	147.13	170.92	204.71	247.06	285.29	280.49	288.46
Sudan	6.81	6.51	9.43	12.06	21.11	27.39	35.87	37.30	38.96
United Rep. of Tanzania	3.91	4.30	5.39	7.45	10.06	14.14	17.38	18.42	19.71
Togo	0.91	1.02	1.38	1.53	1.90	2.12	2.31	2.38	2.46
Tunisia	5.18	6.06	9.55	16.43	26.05	32.28	37.88	39.06	40.50
Zambia	4.18	4.52	4.79	5.31	5.68	7.18	8.56	9.11	9.80
Zimbabwe	3.73	4.14	4.66	7.17	8.32	5.58	4.45	4.72	5.14
Other Africa	33.10	33.37	39.44	46.27	59.03	80.71	96.22	97.65	101.23
<b>Africa</b>	<b>364.15</b>	<b>388.30</b>	<b>508.53</b>	<b>618.81</b>	<b>787.63</b>	<b>989.63</b>	<b>1 169.46</b>	<b>1 197.77</b>	<b>1 250.34</b>
Argentina	97.86	102.25	123.91	106.43	166.01	183.19	230.49	232.45	253.74
Bolivia	4.01	4.58	5.60	5.67	8.20	9.55	11.11	11.48	11.95
Brazil	253.67	323.98	513.34	598.50	768.98	882.19	1 023.19	1 016.59	1 092.73
Colombia	41.12	47.26	66.37	94.37	122.70	146.57	173.11	175.62	183.19
Costa Rica	4.72	5.50	7.66	9.82	16.34	19.97	24.08	23.77	24.77
Cuba	18.60	20.16	26.19	39.07	33.92	42.64	53.67	52.98	55.19
Dominican Republic	6.99	8.72	12.55	15.87	28.59	34.00	42.97	44.45	47.90
Ecuador	10.40	12.63	19.17	23.48	28.08	36.94	42.35	42.50	44.02
El Salvador	8.37	9.31	10.09	9.70	15.22	17.09	18.68	18.09	18.35
Guatemala	8.75	10.02	14.36	15.66	23.44	27.21	31.48	31.66	32.54
Haiti	3.72	3.81	5.22	5.01	4.27	4.15	4.43	4.56	4.33
Honduras	2.72	3.10	4.43	5.63	7.77	9.76	11.51	11.26	11.58
Jamaica	7.23	8.06	6.52	8.49	10.13	11.15	11.56	11.20	11.14
Netherlands Antilles*	..	..	1.38	1.72	2.34	2.50	2.74	2.63	2.68
Nicaragua	3.42	3.72	3.43	2.99	4.17	4.87	5.59	5.41	5.82
Panama	4.88	5.38	6.67	7.64	12.52	15.47	20.84	21.34	22.37
Paraguay	1.89	2.16	4.20	5.52	6.59	7.47	8.81	8.47	9.74
Peru	34.60	37.50	47.43	43.79	64.65	79.39	102.28	103.13	112.19
Trinidad and Tobago	6.04	6.50	10.00	7.97	10.88	15.98	19.42	18.74	18.76
Uruguay	9.15	9.05	12.35	12.31	17.21	17.36	21.11	21.66	23.49
Venezuela	74.80	81.15	96.18	104.32	128.28	145.51	183.05	177.19	174.55
Other Non-OECD Americas	12.56	13.44	17.55	24.06	31.02	34.53	38.78	35.84	36.64
<b>Non-OECD Americas</b>	<b>615.49</b>	<b>718.28</b>	<b>1 014.56</b>	<b>1 147.99</b>	<b>1 511.31</b>	<b>1 747.51</b>	<b>2 081.22</b>	<b>2 071.01</b>	<b>2 197.65</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using exchange rates (billion 2005 USD)***PIB basé sur les taux de change (milliards USD 2005)**BIP auf Wechselkursbasis (Milliarden 2005 USD)**PIL ai tassi di cambio (miliardi di USD 2005)**為替換算による国内総生産（十億米ドル，2005年価格）**PIB basado en los tipos de cambio (millardos 2005 USD)**ВВП по валютному курсу (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	17.52	15.57	20.09	28.95	46.27	60.28	72.64	76.81	81.47
Brunei Darussalam	4.17	4.86	8.28	6.89	8.60	9.53	9.77	9.60	9.99
Cambodia*	..	..	..	..	4.03	6.29	8.20	8.20	8.69
Chinese Taipei	30.60	40.24	80.11	167.05	305.75	364.85	410.68	402.77	446.36
India	154.13	158.37	203.92	350.04	595.51	834.04	1 050.20	1 145.82	1 246.73
Indonesia	40.58	48.06	80.88	150.09	226.92	285.87	340.02	355.58	377.28
DPR of Korea	7.94	10.08	21.45	40.89	28.50	29.69	29.21	30.29	27.56
Malaysia	15.34	18.74	30.82	55.08	109.44	137.95	162.96	160.29	171.82
Mongolia*	..	..	..	1.85	1.84	2.52	3.29	3.25	3.45
Myanmar	1.92	1.95	2.90	3.30	6.55	11.99	15.73	16.54	17.41
Nepal	2.14	2.20	2.66	4.23	6.88	8.13	9.22	9.63	10.07
Pakistan	20.18	21.78	31.74	58.37	85.90	109.60	124.95	129.44	134.80
Philippines	31.17	35.81	52.54	62.10	82.35	103.07	120.45	121.83	131.13
Singapore	10.98	13.84	23.21	48.90	97.76	123.51	148.21	147.07	168.35
Sri Lanka	5.28	5.63	8.02	12.08	20.09	24.41	29.73	30.79	33.25
Thailand	22.57	25.95	41.77	88.92	137.52	176.35	199.52	194.87	210.09
Vietnam	9.57	8.76	10.22	17.75	36.85	52.92	66.04	69.55	74.27
Other Asia	15.08	15.83	19.69	23.97	32.30	42.52	54.63	56.84	60.77
<b>Asia</b>	<b>389.16</b>	<b>427.65</b>	<b>638.29</b>	<b>1 120.47</b>	<b>1 833.06</b>	<b>2 383.51</b>	<b>2 855.43</b>	<b>2 969.15</b>	<b>3 213.50</b>
People's Rep. of China	126.61	141.80	216.31	525.68	1 417.05	2 256.90	3 183.56	3 476.45	3 838.00
Hong Kong, China	22.21	28.95	51.64	98.86	145.18	177.77	207.08	201.57	215.62
<b>China</b>	<b>148.82</b>	<b>170.75</b>	<b>267.94</b>	<b>624.54</b>	<b>1 562.23</b>	<b>2 434.68</b>	<b>3 390.64</b>	<b>3 678.02</b>	<b>4 053.62</b>
Albania	2.99	3.62	4.95	5.62	6.44	8.38	10.03	10.36	10.73
Armenia*	..	..	..	4.06	2.76	4.90	6.75	5.79	5.91
Azerbaijan*	..	..	..	11.95	7.04	13.25	24.68	26.98	28.33
Belarus*	..	..	..	23.72	21.03	30.21	39.80	39.87	42.90
Bosnia and Herzegovina*	..	..	..	2.31	8.45	10.76	12.87	12.50	12.60
Bulgaria	10.70	12.47	19.66	24.98	22.13	28.90	34.79	32.88	32.95
Croatia*	..	..	..	42.11	36.03	44.82	50.49	47.46	46.90
Cyprus	2.54	3.02	5.27	9.64	14.50	17.00	19.28	18.96	19.16
Georgia*	..	..	..	12.00	4.50	6.41	8.06	7.76	8.25
Gibraltar	0.47	0.52	0.56	0.72	0.92	1.03	1.09	1.04	1.05
Kazakhstan*	..	..	..	50.24	34.88	57.12	71.14	71.99	77.25
Kosovo*	..	..	..	..	2.64	3.74	4.51	4.64	4.83
Kyrgyzstan*	..	..	..	3.07	2.04	2.46	2.98	3.07	3.03
Latvia*	..	..	..	14.40	10.82	16.04	18.96	15.56	15.50
Lithuania*	..	..	..	24.76	17.84	25.96	31.65	26.99	27.35
FYR of Macedonia*	..	..	..	6.07	5.54	5.99	7.00	6.94	7.06
Malta	0.89	1.03	2.33	3.42	5.64	5.96	6.69	6.47	6.67
Republic of Moldova*	..	..	..	5.96	2.12	2.99	3.48	3.27	3.50
Montenegro*	..	..	..	..	1.97	2.26	2.90	2.74	2.80
Romania	37.97	46.37	82.83	88.98	74.95	98.91	123.80	113.27	114.35
Russian Federation*	..	..	..	843.05	567.38	764.00	943.88	870.13	905.23
Serbia*	..	..	..	35.05	19.46	25.23	28.60	27.60	27.86
Tajikistan*	..	..	..	3.75	1.43	2.31	2.85	3.07	3.19
Turkmenistan*	..	..	..	4.93	3.75	8.10	11.58	12.28	13.41
Ukraine*	..	..	..	137.03	59.54	86.14	102.03	86.93	90.58
Uzbekistan*	..	..	..	11.22	11.00	14.31	18.32	19.81	21.49
Former Soviet Union*	645.82	736.65	985.20	x	x	x	x	x	x
Former Yugoslavia*	64.84	68.89	107.12	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>766.21</b>	<b>872.56</b>	<b>1 207.91</b>	<b>1 369.04</b>	<b>944.79</b>	<b>1 287.19</b>	<b>1 588.22</b>	<b>1 478.34</b>	<b>1 532.86</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using exchange rates (billion 2005 USD)***PIB basé sur les taux de change (milliards USD 2005)**BIP auf Wechselkursbasis (Milliarden 2005 USD)**PIL ai tassi di cambio (miliardi di USD 2005)**為替換算による国内総生産（十億米ドル，2005年価格）**PIB basado en los tipos de cambio (millardos 2005 USD)**ВВП по валютному курсу (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	1.66	1.64	5.01	5.84	10.02	13.46	16.54	17.01	17.71
Islamic Republic of Iran	67.27	82.55	82.74	101.52	146.28	192.02	224.29	228.32	229.46
Iraq	79.86	88.02	152.68	52.12	40.95	31.32	34.91	36.38	36.68
Jordan	2.26	2.23	4.60	5.60	9.25	12.59	15.86	16.23	16.74
Kuwait	46.06	45.77	40.29	36.59	54.46	80.80	92.60	97.19	92.14
Lebanon	14.36	16.86	11.95	9.51	18.15	21.86	25.83	28.03	29.99
Oman	4.14	3.90	7.01	16.55	25.99	30.91	39.28	39.71	42.26
Qatar	14.89	19.83	17.54	14.57	29.33	43.04	74.48	80.92	94.08
Saudi Arabia	73.51	114.04	213.76	200.42	262.04	315.58	346.16	346.70	359.75
Syrian Arab Republic	4.75	5.43	11.13	13.82	22.68	28.86	33.47	35.48	36.61
United Arab Emirates	15.52	32.84	83.16	88.26	139.12	180.62	211.64	208.23	211.21
Yemen	1.99	2.39	4.93	8.31	14.23	16.74	18.60	19.30	20.85
<b>Middle East</b>	<b>326.24</b>	<b>415.49</b>	<b>634.79</b>	<b>553.10</b>	<b>772.51</b>	<b>967.78</b>	<b>1 133.65</b>	<b>1 153.50</b>	<b>1 187.49</b>
<b>Non-OECD Total*</b>	<b>2 610.07</b>	<b>2 993.02</b>	<b>4 272.02</b>	<b>5 433.94</b>	<b>7 411.52</b>	<b>9 810.29</b>	<b>12 218.61</b>	<b>12 547.79</b>	<b>13 435.46</b>
<i>European Union - 27*</i>	..	..	..	10 033.52	12 520.68	13 752.62	14 708.72	14 069.55	14 365.38
OECD Americas	5 038.00	5 644.12	6 858.42	9 312.07	13 025.01	14 662.40	15 360.91	14 804.99	15 279.61
OECD Asia Oceania	2 039.34	2 363.63	2 992.30	4 743.69	5 804.58	6 408.86	6 761.99	6 490.77	6 756.03
OECD Europe*	6 354.60	7 052.35	8 355.13	10 650.77	13 396.35	14 735.66	15 764.14	15 105.53	15 458.47
<b>OECD Total*</b>	<b>13 431.94</b>	<b>15 060.10</b>	<b>18 205.85</b>	<b>24 706.52</b>	<b>32 225.93</b>	<b>35 806.92</b>	<b>37 887.03</b>	<b>36 401.29</b>	<b>37 494.11</b>
<b>World</b>	<b>16 042.01</b>	<b>18 053.12</b>	<b>22 477.87</b>	<b>30 140.46</b>	<b>39 637.45</b>	<b>45 617.21</b>	<b>50 105.65</b>	<b>48 949.09</b>	<b>50 929.57</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using purchasing power parities (billion 2005 USD)***PIB basé sur les parités de pouvoir d'achat (milliards USD 2005)**BIP auf Kaufkraftparitätenbasis (Milliarden 2005 USD)**PIL utilizzando le parità di potere d'acquisto (miliardi di USD 2005)**購買力平価換算による国内総生産（十億米ドル，2005年価格）**PIB basado en la paridad de poder adquisitivo (millardos 2005 USD)**ВВП по ППС (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	59.32	78.48	119.61	157.14	185.69	235.76	253.64	258.96	266.75
Angola	26.23	28.44	26.54	34.01	36.68	60.01	99.36	100.01	105.89
Benin	3.09	3.42	4.10	5.33	8.52	10.30	11.79	12.23	12.60
Botswana*	..	..	..	9.61	16.76	21.65	24.54	23.33	25.01
Cameroon	10.06	10.89	18.28	25.36	29.06	34.86	38.32	39.09	40.34
Congo	3.08	3.62	5.31	8.49	9.78	11.95	13.17	14.16	15.40
Dem. Rep. of Congo	21.39	23.17	21.04	22.97	12.91	15.71	18.63	19.15	20.53
Côte d'Ivoire	14.57	16.09	22.27	23.92	30.02	30.02	31.46	32.64	33.63
Egypt	59.02	60.64	108.05	184.02	280.15	333.22	408.54	427.69	449.70
Eritrea*	..	..	..	..	2.35	2.67	2.42	2.52	2.57
Ethiopia	20.77	21.45	21.76	26.35	34.58	47.24	64.65	70.33	77.46
Gabon	6.14	7.53	11.61	13.88	16.37	17.84	19.50	19.22	20.32
Ghana	11.02	11.06	10.84	13.42	20.45	26.14	32.11	33.39	35.97
Kenya	12.65	15.68	22.37	33.32	40.11	47.95	55.39	56.85	60.01
Libya	78.99	69.34	100.66	64.96	66.03	80.87	94.22	96.20	100.19
Morocco	29.28	31.06	46.03	67.18	84.84	108.17	126.41	132.42	137.29
Mozambique	6.17	6.74	5.34	5.42	9.21	13.91	17.32	18.44	19.77
Namibia*	..	..	..	..	8.51	10.83	12.74	12.65	13.26
Nigeria	89.36	97.35	124.30	138.23	181.73	244.64	293.16	313.68	338.31
Senegal	6.99	7.02	8.29	10.70	14.50	18.21	20.30	20.73	21.58
South Africa	180.89	192.29	241.64	280.71	336.20	405.76	468.53	460.65	473.77
Sudan	15.41	14.72	21.34	27.27	47.76	61.96	81.15	84.37	88.13
United Rep. of Tanzania	11.16	12.27	15.37	21.27	28.71	40.35	49.58	52.57	56.24
Togo	2.00	2.23	3.03	3.36	4.17	4.64	5.06	5.22	5.40
Tunisia	14.03	16.41	25.84	36.67	58.12	72.03	84.52	87.14	90.37
Zambia	7.72	8.35	8.85	9.81	10.50	13.27	15.82	16.83	18.11
Zimbabwe	2.52	2.80	3.15	4.85	5.63	3.78	2.91	3.08	3.35
Other Africa	76.46	76.93	90.62	107.50	138.03	187.56	223.20	227.27	237.30
<b>Africa</b>	<b>768.31</b>	<b>817.95</b>	<b>1 086.22</b>	<b>1 335.76</b>	<b>1 717.37</b>	<b>2 161.29</b>	<b>2 568.43</b>	<b>2 640.82</b>	<b>2 769.23</b>
Argentina	223.85	233.89	283.43	243.46	379.74	419.05	527.23	531.72	580.43
Bolivia	14.49	16.54	20.23	20.47	29.63	34.50	40.13	41.48	43.19
Brazil	455.09	581.22	920.94	1 073.70	1 379.55	1 582.64	1 835.60	1 823.77	1 960.36
Colombia	88.21	101.36	142.35	202.43	263.19	314.39	371.32	376.71	392.93
Costa Rica	9.22	10.74	14.95	19.16	31.89	38.96	46.99	46.39	48.35
Cuba	20.79	22.54	29.28	43.68	37.83	48.33	60.59	59.81	62.31
Dominican Republic	12.16	15.15	21.82	27.58	49.71	59.11	74.69	77.27	83.26
Ecuador	24.60	29.89	45.35	55.55	66.43	87.41	100.20	100.56	104.16
El Salvador	16.89	18.80	20.36	19.58	30.72	34.50	37.70	36.52	37.04
Guatemala	16.60	19.03	27.25	29.73	44.50	51.65	59.76	60.09	61.76
Haiti	7.29	7.48	10.25	9.89	9.83	9.56	10.19	10.49	9.96
Honduras	6.29	7.17	10.23	13.00	17.96	22.54	26.59	26.02	26.74
Jamaica	12.07	13.46	10.89	14.18	16.92	18.63	19.30	18.71	18.60
Netherlands Antilles*	..	..	1.23	1.54	2.10	2.24	2.46	2.36	2.40
Nicaragua	8.89	9.67	8.91	7.77	10.85	12.67	14.54	14.06	15.13
Panama	9.37	10.32	12.81	14.67	24.04	29.68	39.99	40.95	42.93
Paraguay	5.83	6.65	12.93	16.99	20.27	23.01	27.12	26.07	30.00
Peru	76.71	83.15	105.16	97.08	143.35	176.02	226.78	228.67	248.76
Trinidad and Tobago	9.97	10.72	16.50	13.15	17.96	26.38	32.05	30.93	30.96
Uruguay	16.87	16.69	22.76	22.70	31.72	32.01	38.92	39.93	43.31
Venezuela	135.59	147.10	174.33	189.09	232.52	263.76	331.80	321.18	316.40
Other Non-OECD Americas	14.87	15.54	20.11	26.79	34.79	39.02	42.79	40.28	41.19
<b>Non-OECD Americas</b>	<b>1 185.62</b>	<b>1 377.11</b>	<b>1 932.07</b>	<b>2 162.19</b>	<b>2 875.49</b>	<b>3 326.07</b>	<b>3 966.74</b>	<b>3 953.96</b>	<b>4 200.16</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using purchasing power parities (billion 2005 USD)***PIB basé sur les parités de pouvoir d'achat (milliards USD 2005)**BIP auf Kaufkraftparitätenbasis (Milliarden 2005 USD)**PIL utilizzando le parità di potere d'acquisto (miliardi di USD 2005)**購買力平価換算による国内総生産 (十億米ドル, 2005年価格)**PIB basado en la paridad de poder adquisitivo (millardos 2005 USD)**ВВП по ППС (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	47.59	42.30	54.57	78.65	125.68	163.73	197.31	208.63	221.30
Brunei Darussalam	7.68	8.96	15.26	12.71	15.85	17.57	18.01	17.69	18.41
Cambodia*	..	..	..	..	12.89	20.14	26.24	26.26	27.83
Chinese Taipei	50.89	66.93	133.24	277.82	508.50	606.78	683.00	669.85	742.34
India	465.19	477.99	615.46	1 056.50	1 797.38	2 517.28	3 169.71	3 458.31	3 762.86
Indonesia	100.10	118.55	199.52	370.23	559.74	705.16	838.73	877.11	930.65
DPR of Korea	29.78	37.83	80.49	153.47	106.99	111.45	109.63	113.69	103.45
Malaysia	33.50	40.93	67.32	120.31	239.04	301.31	355.93	350.10	375.29
Mongolia*	..	..	..	5.34	5.33	7.29	9.50	9.38	9.98
Myanmar	7.84	7.95	11.86	13.47	26.87	49.21	68.72	75.99	83.91
Nepal	6.86	7.04	8.52	13.53	22.03	26.02	29.51	30.82	32.22
Pakistan	62.64	67.61	98.52	181.20	266.68	340.26	387.91	401.85	418.51
Philippines	78.94	90.67	133.05	157.25	208.54	260.99	305.01	308.51	332.06
Singapore	17.54	22.12	36.37	76.64	153.21	193.56	232.27	230.48	263.83
Sri Lanka	15.08	16.08	22.90	34.53	57.41	69.74	84.96	87.97	95.02
Thailand	56.98	65.50	105.44	224.49	347.15	445.20	503.68	491.94	530.37
Vietnam	32.10	29.37	34.28	59.74	123.99	178.08	222.22	234.05	249.92
Other Asia	34.59	34.23	38.44	43.25	58.76	80.33	99.06	106.69	119.02
<b>Asia</b>	<b>1 047.30</b>	<b>1 134.05</b>	<b>1 655.23</b>	<b>2 879.11</b>	<b>4 636.02</b>	<b>6 094.09</b>	<b>7 341.38</b>	<b>7 699.31</b>	<b>8 316.96</b>
People's Rep. of China	301.19	337.08	514.12	1 249.45	3 368.07	5 364.25	7 566.76	8 262.90	9 122.24
Hong Kong, China	30.37	39.58	70.61	135.18	198.52	243.08	283.15	275.62	294.83
<b>China</b>	<b>331.56</b>	<b>376.67</b>	<b>584.72</b>	<b>1 384.63</b>	<b>3 566.58</b>	<b>5 607.33</b>	<b>7 849.90</b>	<b>8 538.51</b>	<b>9 417.06</b>
Albania	6.86	8.29	11.34	12.88	14.76	19.19	22.98	23.74	24.57
Armenia*	..	..	..	10.41	7.06	12.56	17.29	14.84	15.15
Azerbaijan*	..	..	..	34.03	20.04	37.73	70.31	76.85	80.70
Belarus*	..	..	..	65.56	58.13	83.49	110.01	110.19	118.57
Bosnia and Herzegovina*	..	..	..	5.05	18.52	23.59	28.22	27.40	27.62
Bulgaria	28.14	32.79	51.72	65.70	58.21	76.00	91.51	86.48	86.65
Croatia*	..	..	..	64.05	54.80	68.17	76.78	72.18	71.32
Cyprus	2.76	3.29	5.74	10.50	15.79	18.51	21.00	20.65	20.87
Georgia*	..	..	..	29.48	11.06	15.75	19.80	19.05	20.26
Gibraltar	0.40	0.44	0.47	0.62	0.79	0.89	0.94	0.90	0.91
Kazakhstan*	..	..	..	115.89	80.46	131.77	164.09	166.06	178.18
Kyrgyzstan*	..	..	..	11.08	7.38	8.89	10.78	11.09	10.94
Latvia*	..	..	..	26.95	20.26	30.03	35.49	29.12	29.02
Lithuania*	..	..	..	46.27	33.34	48.52	59.16	50.44	51.11
FYR of Macedonia*	..	..	..	16.29	14.86	16.06	18.79	18.62	18.95
Malta	1.26	1.46	3.31	4.86	8.02	8.47	9.50	9.19	9.48
Republic of Moldova*	..	..	..	16.94	6.03	8.49	9.88	9.29	9.94
Montenegro*	..	..	..	4.12	4.50	5.17	6.64	6.26	6.42
Romania	77.82	95.04	169.75	182.37	153.61	202.72	253.71	232.15	234.35
Russian Federation*	..	..	..	1 872.28	1 260.06	1 696.73	2 096.22	1 932.42	2 010.38
Serbia*	..	..	..	88.10	48.91	63.43	71.90	69.38	70.04
Tajikistan*	..	..	..	15.70	5.98	9.68	11.92	12.86	13.35
Turkmenistan*	..	..	..	13.75	10.45	22.61	32.30	34.27	37.42
Ukraine*	..	..	..	418.39	181.78	263.01	311.50	265.40	276.55
Uzbekistan*	..	..	..	41.07	40.24	52.36	67.06	72.49	78.65
Former Soviet Union*	1 522.06	1 736.11	2 321.90	x	x	x	x	x	x
Former Yugoslavia*	116.45	123.72	192.38	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>1 755.73</b>	<b>2 001.14</b>	<b>2 756.60</b>	<b>3 172.32</b>	<b>2 135.03</b>	<b>2 923.81</b>	<b>3 617.78</b>	<b>3 371.30</b>	<b>3 501.39</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**GDP using purchasing power parities (billion 2005 USD)***PIB basé sur les parités de pouvoir d'achat (milliards USD 2005)**BIP auf Kaufkraftparitätenbasis (Milliarden 2005 USD)**PIL utilizzando le parità di potere d'acquisto (miliardi di USD 2005)**購買力平価換算による国内総生産 (十億米ドル, 2005年価格)**PIB basado en la paridad de poder adquisitivo (millardos 2005 USD)**ВВП по ППС (млрд.долл.США в ценах 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	2.50	2.48	7.57	8.83	15.14	20.34	25.00	25.74	26.79
Islamic Republic of Iran	225.43	276.66	277.28	340.23	490.25	643.50	751.65	765.18	773.05
Iraq	218.63	240.98	418.02	142.69	112.20	82.51	97.39	101.48	102.34
Jordan	4.21	4.16	8.57	10.44	17.23	23.46	29.56	30.25	31.19
Kuwait	62.92	62.53	55.06	50.01	74.45	110.45	127.28	120.67	123.07
Lebanon	25.51	29.96	21.23	16.91	32.29	38.88	45.95	49.86	53.35
Oman	6.84	6.44	11.60	27.39	43.01	51.14	64.99	65.71	68.47
Qatar	20.05	26.70	23.62	19.59	38.31	57.07	107.65	116.95	135.99
Saudi Arabia	114.27	177.27	332.30	311.56	407.35	490.58	538.11	538.96	559.24
Syrian Arab Republic	12.56	14.37	29.46	36.58	60.05	76.40	88.61	93.93	96.93
United Arab Emirates	23.36	49.44	125.26	132.94	209.55	272.06	318.78	313.65	318.14
Yemen	5.23	6.29	12.98	21.88	37.50	46.13	50.97	52.88	57.12
<b>Middle East</b>	<b>721.53</b>	<b>897.28</b>	<b>1 322.94</b>	<b>1 119.03</b>	<b>1 537.31</b>	<b>1 912.51</b>	<b>2 245.94</b>	<b>2 275.25</b>	<b>2 345.67</b>
<b>Non-OECD Total*</b>	<b>5 810.05</b>	<b>6 604.18</b>	<b>9 337.78</b>	<b>12 053.04</b>	<b>16 467.79</b>	<b>22 025.09</b>	<b>27 590.18</b>	<b>28 479.15</b>	<b>30 550.47</b>
<i>European Union - 27*</i>	..	..	..	9 651.07	11 957.46	13 212.50	14 219.24	13 605.40	13 888.24
OECD Americas	5 190.54	5 818.90	7 124.11	9 635.84	13 496.48	15 188.45	15 941.98	15 353.67	15 858.53
OECD Asia Oceania	1 803.71	2 090.43	2 661.37	4 268.14	5 351.45	5 957.25	6 321.52	6 094.42	6 351.39
OECD Europe*	6 008.95	6 682.94	7 937.90	10 118.73	12 748.82	14 106.17	15 163.84	14 539.77	14 903.45
<b>OECD Total*</b>	<b>13 003.20</b>	<b>14 592.27</b>	<b>17 723.39</b>	<b>24 022.72</b>	<b>31 596.75</b>	<b>35 251.88</b>	<b>37 427.33</b>	<b>35 987.86</b>	<b>37 113.37</b>
<b>World</b>	<b>18 813.25</b>	<b>21 196.45</b>	<b>27 061.17</b>	<b>36 075.75</b>	<b>48 064.54</b>	<b>57 276.97</b>	<b>65 017.51</b>	<b>64 467.01</b>	<b>67 663.84</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Population (millions)***Population (millions)**Bevölkerung (Millionen)**Popolazione (milioni)**人口 (100 万人)**Población (millones)**Численность населения (млн. человек)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	14.2	15.1	18.8	25.3	30.5	32.9	34.4	35.0	35.5
Angola	6.0	6.3	7.6	10.3	13.9	16.5	18.0	18.6	19.1
Benin	2.9	3.0	3.6	4.8	6.5	7.6	8.4	8.6	8.9
Botswana*	..	..	..	1.4	1.8	1.9	2.0	2.0	2.0
Cameroon	7.0	7.4	9.1	12.2	15.7	17.6	18.8	19.2	19.6
Congo	1.4	1.5	1.8	2.4	3.1	3.5	3.8	3.9	4.0
Dem. Rep. of Congo	20.8	22.0	27.0	36.4	49.6	57.4	62.5	64.2	66.0
Côte d'Ivoire	5.7	6.2	8.5	12.5	16.6	18.0	19.0	19.4	19.7
Egypt	36.8	38.4	45.0	56.8	67.6	74.2	78.3	79.7	81.1
Eritrea*	..	..	..	..	3.7	4.5	4.9	5.1	5.3
Ethiopia	31.7	33.5	37.9	51.5	65.6	74.3	79.4	81.2	83.0
Gabon	0.5	0.6	0.7	0.9	1.2	1.4	1.5	1.5	1.5
Ghana	8.9	9.4	10.9	14.8	19.2	21.6	23.3	23.8	24.4
Kenya	11.7	12.5	16.3	23.4	31.3	35.6	38.5	39.5	40.5
Libya	2.1	2.3	3.1	4.3	5.2	5.8	6.2	6.3	6.4
Morocco	15.7	16.5	19.6	24.8	28.8	30.4	31.3	31.6	32.0
Mozambique	9.7	10.1	12.1	13.5	18.2	20.8	22.3	22.9	23.4
Namibia*	..	..	..	..	1.9	2.1	2.2	2.2	2.3
Nigeria	58.7	61.7	75.5	97.6	123.7	139.8	150.7	154.5	158.4
Senegal	4.2	4.5	5.4	7.2	9.5	10.9	11.8	12.1	12.4
South Africa	22.6	23.7	27.6	35.2	44.0	47.2	48.8	49.3	50.0
Sudan	15.2	16.1	20.1	26.5	34.2	38.4	41.4	42.5	43.6
United Rep. of Tanzania	14.0	15.0	18.7	25.5	34.0	38.8	42.3	43.5	44.8
Togo	2.2	2.3	2.7	3.7	4.8	5.4	5.8	5.9	6.0
Tunisia	5.2	5.4	6.4	8.2	9.6	10.0	10.3	10.4	10.5
Zambia	4.3	4.6	5.8	7.9	10.2	11.5	12.4	12.7	12.9
Zimbabwe	5.4	5.8	7.3	10.5	12.5	12.6	12.5	12.5	12.6
Other Africa	70.5	73.7	89.8	115.9	147.4	169.8	185.0	190.3	195.8
<b>Africa</b>	<b>377.3</b>	<b>397.5</b>	<b>481.2</b>	<b>633.5</b>	<b>810.3</b>	<b>910.4</b>	<b>975.6</b>	<b>998.3</b>	<b>1 021.6</b>
Argentina	24.4	25.2	28.1	32.6	36.9	38.7	39.7	40.1	40.4
Bolivia	4.3	4.5	5.4	6.7	8.3	9.1	9.6	9.8	9.9
Brazil	98.4	103.2	121.7	149.7	174.4	186.0	191.5	193.2	194.9
Colombia	21.9	22.9	26.9	33.2	39.8	43.0	45.0	45.7	46.3
Costa Rica	1.9	2.0	2.3	3.1	3.9	4.3	4.5	4.6	4.7
Cuba	8.9	9.2	9.8	10.6	11.1	11.3	11.3	11.3	11.3
Dominican Republic	4.6	4.9	5.8	7.2	8.6	9.3	9.7	9.8	9.9
Ecuador	6.2	6.5	8.0	10.3	12.3	13.4	14.1	14.3	14.5
El Salvador	3.8	4.0	4.7	5.3	5.9	6.1	6.1	6.2	6.2
Guatemala	5.6	5.9	7.0	8.9	11.2	12.7	13.7	14.0	14.4
Haiti	4.8	5.0	5.7	7.1	8.6	9.3	9.7	9.9	10.0
Honduras	2.8	2.9	3.6	4.9	6.2	6.9	7.3	7.5	7.6
Jamaica	1.9	2.0	2.1	2.4	2.6	2.7	2.7	2.7	2.7
Netherlands Antilles*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nicaragua	2.5	2.6	3.2	4.1	5.1	5.4	5.6	5.7	5.8
Panama	1.6	1.6	2.0	2.4	3.0	3.2	3.4	3.5	3.5
Paraguay	2.5	2.7	3.2	4.2	5.3	5.9	6.2	6.3	6.5
Peru	13.6	14.3	17.3	21.7	25.9	27.6	28.5	28.8	29.1
Trinidad and Tobago	1.0	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3
Uruguay	2.8	2.8	2.9	3.1	3.3	3.3	3.3	3.3	3.4
Venezuela	11.0	11.8	15.0	19.8	24.3	26.6	27.9	28.4	28.8
Other Non-OECD Americas	2.6	2.6	2.8	3.0	3.3	3.6	3.7	3.7	3.7
<b>Non-OECD Americas</b>	<b>227.1</b>	<b>237.9</b>	<b>278.8</b>	<b>341.6</b>	<b>401.7</b>	<b>429.8</b>	<b>445.1</b>	<b>450.1</b>	<b>455.1</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Population (millions)

*Population (millions)**Bevölkerung (Millionen)**Popolazione (milioni)**人口 (100 万人)**Población (millones)**Численность населения (млн. человек)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	67.8	68.9	80.6	105.3	129.6	140.6	145.5	147.0	148.7
Brunei Darussalam	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4
Cambodia*	..	..	..	..	12.4	13.4	13.8	14.0	14.1
Chinese Taipei	14.9	15.5	17.8	20.3	22.2	22.7	22.9	23.0	23.2
India	560.3	586.2	687.3	849.5	1 015.9	1 094.6	1 140.0	1 155.3	1 170.9
Indonesia	121.4	127.7	150.8	184.3	213.4	227.3	235.0	237.4	239.9
DPR of Korea	14.6	15.4	17.2	20.1	22.9	23.7	24.1	24.2	24.3
Malaysia	11.2	11.7	13.8	18.2	23.4	26.1	27.5	27.9	28.4
Mongolia*	..	..	..	2.2	2.4	2.5	2.7	2.7	2.8
Myanmar	26.8	28.2	32.9	39.3	45.0	46.3	47.3	47.6	48.0
Nepal	12.2	12.8	15.0	19.1	24.4	27.3	28.9	29.4	30.0
Pakistan	61.0	64.6	80.5	111.8	144.5	158.6	167.4	170.5	173.6
Philippines	36.5	38.6	47.1	61.6	77.3	85.5	90.2	91.7	93.3
Singapore	2.1	2.2	2.4	3.0	4.0	4.3	4.8	5.0	5.1
Sri Lanka	12.8	13.3	15.1	17.3	18.7	19.8	20.5	20.7	20.9
Thailand	38.0	40.2	47.5	57.1	63.2	66.7	68.3	68.7	69.1
Vietnam	43.7	45.8	53.7	66.0	77.6	82.4	85.1	86.0	86.9
Other Asia	28.4	29.6	32.7	40.2	38.7	43.5	46.7	47.8	49.1
<b>Asia</b>	<b>1 051.9</b>	<b>1 100.9</b>	<b>1 294.7</b>	<b>1 615.7</b>	<b>1 936.0</b>	<b>2 085.8</b>	<b>2 171.0</b>	<b>2 199.5</b>	<b>2 228.6</b>
People's Rep. of China	841.1	881.9	981.2	1 135.2	1 262.6	1 303.7	1 324.7	1 331.4	1 338.3
Hong Kong, China	4.0	4.2	5.1	5.7	6.7	6.8	7.0	7.0	7.1
<b>China</b>	<b>845.2</b>	<b>886.2</b>	<b>986.3</b>	<b>1 140.9</b>	<b>1 269.3</b>	<b>1 310.5</b>	<b>1 331.6</b>	<b>1 338.4</b>	<b>1 345.4</b>
Albania	2.2	2.3	2.7	3.3	3.1	3.1	3.2	3.2	3.2
Armenia*	..	..	..	3.5	3.1	3.1	3.1	3.1	3.1
Azerbaijan*	..	..	..	7.2	8.0	8.4	8.8	8.9	9.0
Belarus*	..	..	..	10.2	10.0	9.8	9.6	9.5	9.5
Bosnia and Herzegovina*	..	..	..	4.3	3.7	3.8	3.8	3.8	3.8
Bulgaria	8.5	8.6	8.9	8.7	8.1	7.7	7.6	7.6	7.5
Croatia*	..	..	..	4.8	4.4	4.4	4.4	4.4	4.4
Cyprus	0.6	0.6	0.5	0.6	0.7	0.7	0.8	0.8	0.8
Georgia*	..	..	..	4.8	4.4	4.4	4.4	4.4	4.5
Gibraltar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kazakhstan*	..	..	..	16.3	14.9	15.1	15.7	15.9	16.3
Kosovo*	..	..	..	1.9	1.7	1.8	1.8	1.8	1.8
Kyrgyzstan*	..	..	..	4.4	4.9	5.1	5.3	5.3	5.4
Latvia*	..	..	..	2.7	2.4	2.3	2.3	2.3	2.2
Lithuania*	..	..	..	3.7	3.5	3.4	3.4	3.3	3.3
FYR of Macedonia*	..	..	..	1.9	2.0	2.0	2.1	2.1	2.1
Malta	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Republic of Moldova*	..	..	..	3.7	3.6	3.6	3.6	3.6	3.6
Montenegro*	..	..	..	0.6	0.6	0.6	0.6	0.6	0.6
Romania	20.5	20.8	22.2	23.2	22.4	21.6	21.5	21.5	21.4
Russian Federation*	..	..	..	148.3	146.3	143.2	142.0	141.9	141.8
Serbia*	..	..	..	10.0	9.9	7.4	7.4	7.3	7.3
Tajikistan*	..	..	..	5.3	6.2	6.5	6.7	6.8	6.9
Turkmenistan*	..	..	..	3.7	4.5	4.7	4.9	5.0	5.0
Ukraine*	..	..	..	51.9	49.2	47.1	46.3	46.1	45.9
Uzbekistan*	..	..	..	20.5	24.7	26.2	27.3	27.8	28.2
Former Soviet Union*	245.2	249.9	265.8	x	x	x	x	x	x
Former Yugoslavia*	20.3	20.6	21.7	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>297.6</b>	<b>303.2</b>	<b>322.1</b>	<b>345.9</b>	<b>342.7</b>	<b>336.6</b>	<b>336.7</b>	<b>337.3</b>	<b>338.0</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Population (millions)***Population (millions)**Bevölkerung (Millionen)**Popolazione (milioni)**人口 (100 万人)**Población (millones)**Численность населения (млн. человек)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.2	0.2	0.4	0.5	0.6	0.7	1.1	1.2	1.3
Islamic Republic of Iran	29.4	31.0	38.6	54.9	65.3	69.7	72.3	73.1	74.0
Iraq	10.6	11.3	14.1	18.9	25.1	28.5	30.7	31.5	32.3
Jordan	1.6	1.7	2.2	3.2	4.8	5.4	5.8	5.9	6.0
Kuwait	0.8	0.9	1.4	2.1	1.9	2.3	2.5	2.6	2.7
Lebanon	2.5	2.7	2.8	2.9	3.7	4.1	4.2	4.2	4.2
Oman	0.8	0.8	1.2	1.9	2.3	2.4	2.6	2.7	2.8
Qatar	0.1	0.1	0.2	0.5	0.6	0.8	1.4	1.6	1.8
Saudi Arabia	6.0	6.6	9.8	16.1	20.0	24.0	26.2	26.8	27.4
Syrian Arab Republic	6.6	7.1	8.9	12.3	16.0	18.5	19.6	20.0	20.4
United Arab Emirates	0.3	0.4	1.0	1.8	3.0	4.1	6.2	6.9	7.5
Yemen	6.2	6.4	7.9	11.9	17.7	20.6	22.6	23.3	24.1
<b>Middle East</b>	<b>65.1</b>	<b>69.2</b>	<b>88.4</b>	<b>127.0</b>	<b>161.2</b>	<b>181.2</b>	<b>195.2</b>	<b>200.0</b>	<b>204.6</b>
<b>Non-OECD Total*</b>	<b>2 864.2</b>	<b>2 995.0</b>	<b>3 451.5</b>	<b>4 204.6</b>	<b>4 921.1</b>	<b>5 254.3</b>	<b>5 455.2</b>	<b>5 523.5</b>	<b>5 593.2</b>
<i>European Union - 27*</i>	..	..	..	472.9	482.9	492.1	498.7	500.3	501.7
OECD Americas	289.3	297.8	329.1	372.3	426.8	448.6	461.5	465.6	469.6
OECD Asia Oceania	157.0	162.9	177.0	191.7	203.4	207.6	209.7	210.2	210.8
OECD Europe*	448.4	455.0	473.8	500.1	521.7	536.9	546.6	549.3	551.8
<b>OECD Total*</b>	<b>894.7</b>	<b>915.7</b>	<b>980.0</b>	<b>1 064.1</b>	<b>1 151.9</b>	<b>1 193.0</b>	<b>1 217.8</b>	<b>1 225.1</b>	<b>1 232.2</b>
<b>World</b>	<b>3 758.9</b>	<b>3 910.7</b>	<b>4 431.4</b>	<b>5 268.7</b>	<b>6 073.0</b>	<b>6 447.3</b>	<b>6 673.0</b>	<b>6 748.7</b>	<b>6 825.4</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Energy production/TPES (self-sufficiency)**  
*Production d'énergie/ATEP (indépendance énergétique)*  
*Energieerzeugung/TPES (Eigenversorgung)*  
*Produzione di energia/ATEP (indice di autosufficienza energetica)*  
*エネルギー生産量／一次エネルギー総供給量（自給率）*  
*Producción energética/TPES (autosuficiencia energética)*  
*Производство топлива и энергии/ОППТЭ (самостоятельность)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	11.97	11.71	5.87	4.51	5.26	5.15	4.33	3.75	3.73
Angola	2.37	2.83	2.48	4.87	5.83	7.59	8.94	8.04	7.23
Benin	0.91	0.88	0.90	1.07	0.73	0.67	0.59	0.58	0.56
Botswana*	..	..	..	0.72	0.61	0.55	0.48	0.46	0.48
Cameroon	0.91	0.91	1.83	2.20	1.77	1.50	1.45	1.28	1.18
Congo	0.66	4.58	6.16	11.28	17.91	12.60	10.53	10.81	11.78
Dem. Rep. of Congo	0.89	0.89	1.01	1.02	1.05	1.04	1.02	1.02	1.01
Côte d'Ivoire	0.67	0.82	0.79	0.82	0.89	1.10	1.11	1.15	1.09
Egypt	2.10	1.23	2.21	1.70	1.31	1.24	1.24	1.23	1.21
Eritrea*	..	..	..	..	0.72	0.66	0.81	0.77	0.78
Ethiopia	0.94	0.95	0.95	0.95	0.94	0.93	0.94	0.94	0.95
Gabon	6.03	5.98	6.87	12.38	10.35	8.06	6.79	6.60	6.70
Ghana	0.78	0.78	0.82	0.83	0.76	0.75	0.71	0.74	0.72
Kenya	0.78	0.79	0.79	0.82	0.84	0.85	0.83	0.81	0.81
Libya	87.58	43.32	14.01	6.46	4.05	4.03	4.36	4.00	4.62
Morocco	0.26	0.23	0.18	0.11	0.06	0.05	0.04	0.05	0.05
Mozambique	0.89	0.90	0.91	0.95	1.01	1.19	1.23	1.22	1.22
Namibia*	..	..	..	..	0.29	0.25	0.20	0.21	0.20
Nigeria	3.09	3.60	2.83	2.13	2.23	2.19	2.06	2.10	2.29
Senegal	0.66	0.64	0.57	0.57	0.50	0.45	0.47	0.48	0.48
South Africa	0.83	0.82	1.12	1.26	1.33	1.23	1.09	1.11	1.19
Sudan	0.81	0.80	0.85	0.83	1.50	1.79	2.26	2.22	2.16
United Rep. of Tanzania	0.91	0.90	0.91	0.93	0.95	0.92	0.92	0.93	0.93
Togo	0.85	0.86	0.85	0.83	0.84	0.84	0.83	0.83	0.83
Tunisia	2.81	2.41	2.04	1.16	0.91	0.80	0.80	0.84	0.84
Zambia	0.77	0.79	0.90	0.91	0.95	0.92	0.93	0.93	0.92
Zimbabwe	0.94	0.90	0.89	0.92	0.87	0.91	0.89	0.89	0.90
Other Africa	0.91	0.91	0.89	0.88	0.99	1.32	1.28	1.24	1.25
<b>Africa</b>	<b>2.30</b>	<b>2.24</b>	<b>1.99</b>	<b>1.76</b>	<b>1.77</b>	<b>1.79</b>	<b>1.72</b>	<b>1.68</b>	<b>1.71</b>
Argentina	0.91	0.86	0.93	1.05	1.35	1.26	1.08	1.08	1.06
Bolivia	2.25	3.83	1.79	1.89	1.48	2.69	2.72	2.29	2.29
Brazil	0.70	0.63	0.57	0.74	0.79	0.90	0.92	0.96	0.93
Colombia	1.40	1.23	1.00	1.99	2.80	2.90	3.17	3.19	3.27
Costa Rica	0.58	0.54	0.50	0.51	0.41	0.53	0.51	0.52	0.52
Cuba	0.40	0.38	0.35	0.45	0.56	0.54	0.52	0.46	0.48
Dominican Republic	0.52	0.42	0.39	0.25	0.18	0.22	0.23	0.24	0.23
Ecuador	0.60	4.96	2.34	2.74	2.82	2.68	2.59	2.38	2.26
El Salvador	0.72	0.67	0.76	0.69	0.53	0.55	0.55	0.52	0.54
Guatemala	0.71	0.69	0.68	0.77	0.75	0.69	0.69	0.69	0.73
Haiti	0.92	0.92	0.90	0.80	0.77	0.74	0.72	0.72	0.71
Honduras	0.73	0.72	0.70	0.71	0.51	0.44	0.45	0.49	0.49
Jamaica	0.14	0.09	0.10	0.17	0.15	0.11	0.12	0.16	0.15
Nicaragua	0.59	0.58	0.59	0.71	0.57	0.59	0.55	0.54	0.55
Panama	0.20	0.17	0.37	0.41	0.29	0.27	0.29	0.25	0.22
Paraguay	0.85	0.84	0.77	1.49	1.78	1.66	1.70	1.59	1.48
Peru	0.81	0.83	1.29	1.09	0.77	0.80	0.84	0.95	1.00
Trinidad and Tobago	3.10	3.78	3.44	2.11	1.87	2.17	2.21	2.17	2.11
Uruguay	0.22	0.23	0.29	0.51	0.33	0.34	0.33	0.36	0.49
Venezuela	10.67	9.53	3.94	3.40	3.90	3.49	2.93	2.83	2.50
Other Non-OECD Americas	0.12	0.10	0.14	0.23	0.25	0.25	0.24	0.23	0.25
<b>Non-OECD Americas</b>	<b>1.79</b>	<b>1.65</b>	<b>1.15</b>	<b>1.27</b>	<b>1.43</b>	<b>1.46</b>	<b>1.36</b>	<b>1.37</b>	<b>1.32</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Energy production/TPES (self-sufficiency)**  
*Production d'énergie/ATEP (indépendance énergétique)*  
*Energieerzeugung/TPES (Eigenversorgung)*  
*Produzione di energia/ATEP (indice di autosufficienza energetica)*  
*エネルギー生産量／一次エネルギー総供給量（自給率）*  
*Producción energética/TPES (autosuficiencia energética)*  
*Производство топлива и энергии/ОППТЭ (самостоятельность)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.85	0.84	0.80	0.84	0.81	0.81	0.84	0.84	0.83
Brunei Darussalam	37.52	38.20	15.65	8.88	8.02	9.15	5.82	6.06	5.60
Cambodia*	..	..	..	..	0.80	0.73	0.65	0.73	0.72
Chinese Taipei	0.39	0.29	0.21	0.22	0.14	0.12	0.12	0.13	0.12
India	0.90	0.91	0.91	0.92	0.80	0.79	0.75	0.75	0.75
Indonesia	2.05	2.49	2.24	1.71	1.53	1.55	1.73	1.77	1.84
DPR of Korea	0.94	0.93	0.90	0.87	0.95	1.03	1.03	1.06	1.12
Malaysia	0.82	1.00	1.48	2.20	1.58	1.44	1.26	1.23	1.18
Mongolia*	..	..	..	0.80	0.81	1.33	1.64	2.39	4.57
Myanmar	0.93	0.99	1.01	1.00	1.20	1.50	1.50	1.54	1.61
Nepal	0.98	0.97	0.97	0.95	0.88	0.89	0.90	0.89	0.88
Pakistan	0.84	0.85	0.84	0.80	0.74	0.80	0.76	0.76	0.76
Philippines	0.49	0.47	0.54	0.60	0.49	0.55	0.57	0.62	0.58
Singapore	-	-	-	0.01	0.01	0.01	0.02	0.01	0.01
Sri Lanka	0.74	0.69	0.71	0.76	0.57	0.55	0.57	0.56	0.56
Thailand	0.58	0.52	0.51	0.63	0.61	0.56	0.61	0.60	0.60
Vietnam	0.76	0.74	0.92	1.02	1.39	1.47	1.26	1.24	1.11
Other Asia	1.11	1.08	0.88	1.24	1.04	1.19	1.58	1.51	1.34
<b>Asia</b>	<b>0.99</b>	<b>1.04</b>	<b>1.04</b>	<b>0.99</b>	<b>0.89</b>	<b>0.89</b>	<b>0.89</b>	<b>0.89</b>	<b>0.89</b>
People's Rep. of China	1.01	1.01	1.03	1.02	0.97	0.95	0.94	0.91	0.91
Hong Kong, China	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
<b>China</b>	<b>1.00</b>	<b>1.00</b>	<b>1.02</b>	<b>1.01</b>	<b>0.96</b>	<b>0.94</b>	<b>0.93</b>	<b>0.90</b>	<b>0.91</b>
Albania	1.42	1.73	1.12	0.92	0.55	0.52	0.55	0.60	0.78
Armenia*	..	..	..	0.02	0.32	0.34	0.27	0.32	0.36
Azerbaijan*	..	..	..	0.79	1.66	1.97	4.41	5.53	5.53
Belarus*	..	..	..	0.07	0.14	0.14	0.14	0.15	0.15
Bosnia and Herzegovina*	..	..	..	0.66	0.71	0.72	0.71	0.73	0.68
Bulgaria	0.30	0.27	0.27	0.34	0.53	0.53	0.52	0.56	0.59
Croatia*	..	..	..	0.57	0.46	0.43	0.44	0.47	0.49
Cyprus	0.02	0.01	0.01	0.00	0.02	0.02	0.03	0.03	0.04
Georgia*	..	..	..	0.16	0.46	0.34	0.36	0.38	0.42
Kazakhstan*	..	..	..	1.24	2.20	2.33	2.06	2.34	2.09
Kosovo*	..	..	..	..	0.74	0.75	0.79	0.78	0.76
Kyrgyzstan*	..	..	..	0.33	0.60	0.54	0.44	0.39	0.41
Latvia*	..	..	..	0.14	0.38	0.42	0.40	0.50	0.48
Lithuania*	..	..	..	0.31	0.47	0.46	0.43	0.51	0.22
FYR of Macedonia*	..	..	..	0.51	0.58	0.54	0.54	0.57	0.56
Malta	-	-	-	-	-	0.00	0.00	0.00	0.00
Republic of Moldova*	..	..	..	0.01	0.03	0.03	0.04	0.04	0.04
Montenegro*	..	..	..	..	..	0.70	0.70	0.67	0.85
Romania	1.02	0.97	0.81	0.66	0.78	0.72	0.73	0.81	0.78
Russian Federation*	..	..	..	1.47	1.58	1.85	1.82	1.83	1.84
Serbia*	..	..	..	0.69	0.86	0.64	0.64	0.67	0.68
Tajikistan*	..	..	..	0.38	0.59	0.66	0.60	0.64	0.65
Turkmenistan*	..	..	..	4.16	3.23	3.36	3.10	2.13	2.17
Ukraine*	..	..	..	0.54	0.58	0.57	0.60	0.68	0.58
Uzbekistan*	..	..	..	0.83	1.08	1.20	1.23	1.26	1.26
Former Soviet Union*	1.18	1.17	1.22	x	x	x	x	x	x
Former Yugoslavia*	0.66	0.63	0.56	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>1.14</b>	<b>1.12</b>	<b>1.16</b>	<b>1.14</b>	<b>1.33</b>	<b>1.51</b>	<b>1.53</b>	<b>1.58</b>	<b>1.56</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Energy production/TPES (self-sufficiency)***Production d'énergie/ATEP (indépendance énergétique)**Energieerzeugung/TPES (Eigenversorgung)**Produzione di energia/ATEP (indice di autosufficienza energetica)**エネルギー生産量／一次エネルギー総供給量（自給率）**Producción energética/TPES (autosuficiencia energética)**Производство топлива и энергии/ОППТЭ (самостоятельность)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	7.57	5.32	4.27	3.09	2.53	2.15	1.89	1.85	1.81
Islamic Republic of Iran	14.37	15.00	2.12	2.71	2.06	1.80	1.66	1.60	1.68
Iraq	20.83	22.08	14.04	5.60	5.20	3.64	4.20	3.81	3.33
Jordan	0.00	0.00	0.00	0.05	0.06	0.04	0.04	0.04	0.04
Kuwait	26.35	22.49	8.96	5.53	6.08	5.56	5.50	4.32	4.01
Lebanon	0.09	0.06	0.07	0.07	0.03	0.05	0.03	0.03	0.03
Oman	67.07	157.43	13.12	9.08	7.55	5.59	3.99	4.51	3.61
Qatar	23.79	20.62	7.95	4.31	5.69	5.68	6.34	6.12	7.73
Saudi Arabia	33.18	53.72	17.16	6.19	4.73	3.99	3.76	3.35	3.18
Syrian Arab Republic	2.24	2.71	2.13	2.13	2.09	1.27	1.04	1.13	1.27
United Arab Emirates	52.16	58.35	12.47	5.40	4.61	4.03	3.21	2.80	2.84
Yemen	0.07	0.05	0.05	3.73	4.65	3.10	2.14	2.07	2.76
<b>Middle East</b>	<b>19.34</b>	<b>21.74</b>	<b>8.78</b>	<b>4.45</b>	<b>3.72</b>	<b>3.13</b>	<b>2.91</b>	<b>2.67</b>	<b>2.70</b>
<b>Non-OECD Total*</b>	<b>1.66</b>	<b>1.72</b>	<b>1.48</b>	<b>1.33</b>	<b>1.38</b>	<b>1.36</b>	<b>1.32</b>	<b>1.28</b>	<b>1.28</b>
<i>European Union - 27*</i>	..	..	..	0.58	0.56	0.51	0.49	0.49	0.49
OECD Americas	0.92	0.88	0.91	0.94	0.84	0.82	0.85	0.88	0.88
OECD Asia Oceania	0.30	0.28	0.30	0.42	0.46	0.48	0.49	0.52	0.52
OECD Europe*	0.49	0.46	0.57	0.65	0.67	0.61	0.59	0.59	0.58
<b>OECD Total*</b>	<b>0.70</b>	<b>0.66</b>	<b>0.72</b>	<b>0.76</b>	<b>0.72</b>	<b>0.70</b>	<b>0.71</b>	<b>0.73</b>	<b>0.72</b>
<b>World</b>	<b>1.02</b>	<b>1.02</b>	<b>1.01</b>	<b>1.00</b>	<b>1.00</b>	<b>1.01</b>	<b>1.01</b>	<b>1.01</b>	<b>1.01</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net oil imports/GDP (toe per thousand 2005 USD)***Importations nettes de pétrole/PIB (tep par milliers de USD 2005)**Netto-Ölexport/BIP (toe pro tausend 2005er USD)**Importazioni nette di petrolio/PIL (tep per migliaia di USD 2005)**石油純輸入量/GDP (石油換算トン/千米ドル、2005年価格)**Importaciones netas de petróleo/PIB (tep por miles de 2005 USD)**Чистый импорт нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	- 1.37	- 1.44	- 0.88	- 0.75	- 0.77	- 0.77	- 0.66	- 0.58	- 0.52
Angola	- 0.34	- 0.49	- 0.46	- 1.29	- 2.02	- 2.00	- 1.84	- 1.70	- 1.56
Benin	0.08	0.10	0.08	- 0.05	0.15	0.20	0.27	0.29	0.32
Botswana*	..	..	..	0.08	0.07	0.07	0.08	0.08	0.08
Cameroon	0.06	0.06	- 0.34	- 0.50	- 0.35	- 0.21	- 0.17	- 0.12	- 0.08
Congo	0.11	- 0.70	- 1.17	- 1.83	- 2.76	- 2.06	- 1.76	- 1.97	- 2.00
Dem. Rep. of Congo	0.09	0.09	- 0.01	- 0.02	- 0.14	- 0.09	- 0.06	- 0.07	- 0.04
Côte d'Ivoire	0.10	0.12	0.12	0.08	0.06	- 0.03	- 0.07	- 0.08	- 0.05
Egypt	- 0.56	- 0.11	- 0.61	- 0.43	- 0.14	- 0.01	- 0.02	- 0.01	- 0.02
Eritrea*	..	..	..	..	0.22	0.21	0.13	0.14	0.14
Ethiopia	0.11	0.10	0.11	0.15	0.12	0.13	0.13	0.12	0.11
Gabon	- 1.84	- 1.95	- 1.45	- 1.80	- 1.71	- 1.50	- 1.17	- 1.17	- 1.27
Ghana	0.17	0.20	0.19	0.19	0.24	0.21	0.21	0.19	0.20
Kenya	0.34	0.29	0.25	0.16	0.20	0.16	0.17	0.19	0.18
Libya	- 3.95	- 3.62	- 1.99	- 2.13	- 1.61	- 1.57	- 1.44	- 1.19	- 1.12
Morocco	0.13	0.14	0.16	0.15	0.15	0.15	0.15	0.15	0.17
Mozambique	0.29	0.25	0.27	0.13	0.13	0.08	0.08	0.08	0.08
Namibia*	..	..	..	..	0.11	0.11	0.11	0.12	0.12
Nigeria	- 1.83	- 2.26	- 1.67	- 1.25	- 1.26	- 1.04	- 0.75	- 0.76	- 0.81
Senegal	0.43	0.46	0.31	0.07	0.22	0.22	0.21	0.17	0.18
South Africa	0.11	0.11	0.10	0.07	0.07	0.06	0.08	0.11	0.08
Sudan	0.22	0.25	0.14	0.16	- 0.32	- 0.41	- 0.51	- 0.50	- 0.44
United Rep. of Tanzania	0.22	0.23	0.16	0.10	0.08	0.10	0.09	0.08	0.08
Togo	0.12	0.10	0.09	0.15	0.17	0.17	0.14	0.19	0.19
Tunisia	- 0.51	- 0.38	- 0.27	- 0.11	- 0.00	0.02	0.00	0.00	0.00
Zambia	0.12	0.21	0.15	0.14	0.09	0.09	0.07	0.07	0.07
Zimbabwe	0.15	0.17	0.14	0.11	0.13	0.13	0.13	0.13	0.13
Other Africa	0.10	0.10	0.12	0.12	0.02	- 0.24	- 0.16	- 0.13	- 0.13
<b>Africa</b>	<b>- 0.66</b>	<b>- 0.64</b>	<b>- 0.46</b>	<b>- 0.38</b>	<b>- 0.35</b>	<b>- 0.35</b>	<b>- 0.30</b>	<b>- 0.27</b>	<b>- 0.27</b>
Argentina	0.03	0.04	0.01	- 0.04	- 0.10	- 0.07	- 0.03	- 0.03	- 0.02
Bolivia	- 0.31	- 0.38	- 0.01	- 0.03	- 0.02	- 0.04	- 0.01	0.02	0.03
Brazil	0.08	0.10	0.09	0.05	0.04	0.01	0.00	- 0.00	0.00
Colombia	- 0.12	- 0.06	0.02	- 0.13	- 0.19	- 0.10	- 0.09	- 0.12	- 0.14
Costa Rica	0.10	0.11	0.10	0.10	0.11	0.10	0.10	0.09	0.09
Cuba	0.35	0.35	0.37	0.26	0.17	0.12	0.10	0.12	0.11
Dominican Republic	0.17	0.19	0.17	0.19	0.22	0.17	0.13	0.12	0.11
Ecuador	0.11	- 0.72	- 0.33	- 0.44	- 0.49	- 0.49	- 0.40	- 0.35	- 0.32
El Salvador	0.06	0.07	0.06	0.08	0.12	0.12	0.11	0.12	0.11
Guatemala	0.10	0.10	0.09	0.07	0.08	0.10	0.08	0.10	0.08
Haiti	0.04	0.03	0.04	0.06	0.12	0.17	0.18	0.16	0.16
Honduras	0.14	0.13	0.13	0.13	0.18	0.21	0.20	0.19	0.20
Jamaica	0.27	0.36	0.33	0.29	0.35	0.32	0.35	0.24	0.25
Netherlands Antilles*	..	..	6.02	1.83	1.57	1.49	1.46	1.51	1.33
Nicaragua	0.15	0.17	0.19	0.21	0.28	0.28	0.24	0.26	0.23
Panama	0.42	0.45	0.32	0.33	0.36	0.28	0.21	0.24	0.25
Paraguay	0.12	0.13	0.12	0.12	0.17	0.15	0.15	0.17	0.15
Peru	0.06	0.05	- 0.06	- 0.01	0.04	0.03	0.03	0.02	- 0.01
Trinidad and Tobago	- 0.60	- 0.78	- 0.90	- 0.80	- 0.48	- 0.44	- 0.31	- 0.32	- 0.31
Uruguay	0.21	0.21	0.17	0.11	0.13	0.12	0.14	0.14	0.11
Venezuela	- 2.48	- 2.24	- 1.08	- 0.97	- 1.23	- 1.16	- 0.71	- 0.70	- 0.67
Other Non-OECD Americas	0.58	0.61	0.37	0.19	0.16	0.15	0.14	0.15	0.15
<b>Non-OECD Americas</b>	<b>- 0.23</b>	<b>- 0.19</b>	<b>- 0.04</b>	<b>- 0.07</b>	<b>- 0.10</b>	<b>- 0.10</b>	<b>- 0.06</b>	<b>- 0.06</b>	<b>- 0.06</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Net oil imports/GDP (toe per thousand 2005 USD)***Importations nettes de pétrole/PIB (tep par milliers de USD 2005)**Netto-Ölexport/BIP (toe pro tausend 2005er USD)**Importazioni nette di petrolio/PIL (tep per migliaia di USD 2005)**石油純輸入量/GDP (石油換算トン/千米ドル、2005年価格)**Importaciones netas de petróleo/PIB (tep por miles de 2005 USD)**Чистый импорт нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.05	0.06	0.08	0.06	0.07	0.07	0.06	0.06	0.07
Brunei Darussalam	- 1.43	- 2.42	- 1.42	- 1.10	- 1.13	- 1.10	- 0.91	- 0.79	- 0.77
Cambodia*	..	..	..	..	0.18	0.15	0.15	0.15	0.15
Chinese Taipei	0.24	0.26	0.27	0.17	0.15	0.13	0.11	0.11	0.10
India	0.10	0.11	0.11	0.08	0.13	0.11	0.11	0.11	0.10
Indonesia	- 0.83	- 1.06	- 0.72	- 0.27	- 0.06	0.04	0.04	0.05	0.05
DPR of Korea	0.11	0.12	0.13	0.07	0.04	0.03	0.03	0.02	0.02
Malaysia	0.09	0.01	- 0.16	- 0.34	- 0.10	- 0.08	- 0.05	- 0.04	- 0.04
Mongolia*	..	..	..	0.45	0.24	0.22	0.22	0.16	0.16
Myanmar	0.15	0.03	- 0.02	- 0.01	0.21	0.06	0.04	0.02	0.01
Nepal	0.03	0.03	0.05	0.06	0.11	0.10	0.09	0.10	0.11
Pakistan	0.14	0.15	0.15	0.15	0.19	0.13	0.14	0.13	0.13
Philippines	0.27	0.25	0.21	0.18	0.20	0.13	0.11	0.10	0.11
Singapore	0.60	0.88	0.34	0.50	0.41	0.36	0.38	0.42	0.42
Sri Lanka	0.26	0.30	0.21	0.14	0.19	0.17	0.14	0.12	0.12
Thailand	0.28	0.32	0.29	0.20	0.20	0.20	0.15	0.15	0.15
Vietnam	0.61	0.66	0.18	0.01	- 0.22	- 0.12	- 0.00	- 0.01	0.04
Other Asia	0.11	0.13	0.16	- 0.06	0.01	- 0.03	- 0.01	0.01	0.02
<b>Asia</b>	<b>0.05</b>	<b>0.02</b>	<b>0.03</b>	<b>0.05</b>	<b>0.10</b>	<b>0.10</b>	<b>0.10</b>	<b>0.10</b>	<b>0.10</b>
People's Rep. of China	- 0.00	- 0.01	- 0.08	- 0.05	0.05	0.06	0.06	0.06	0.07
Hong Kong, China	0.18	0.17	0.12	0.07	0.09	0.08	0.07	0.09	0.10
<b>China</b>	<b>0.03</b>	<b>0.02</b>	<b>- 0.04</b>	<b>- 0.03</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.07</b>
Albania	- 0.26	- 0.36	- 0.09	0.00	0.12	0.13	0.08	0.07	0.06
Armenia*	..	..	..	0.95	0.13	0.09	0.07	0.07	0.07
Azerbaijan*	..	..	..	0.01	- 1.10	- 1.20	- 1.63	- 1.74	- 1.67
Belarus*	..	..	..	1.15	0.28	0.19	0.18	0.18	0.12
Bosnia and Herzegovina*	..	..	..	0.89	0.14	0.11	0.12	0.12	0.13
Bulgaria	0.91	0.90	0.68	0.35	0.19	0.18	0.14	0.14	0.13
Croatia*	..	..	..	0.05	0.07	0.08	0.07	0.07	0.06
Cyprus	0.25	0.28	0.18	0.16	0.17	0.16	0.16	0.15	0.15
Georgia*	..	..	..	0.46	0.14	0.11	0.11	0.11	0.11
Gibraltar	0.45	0.44	0.30	0.69	1.24	1.61	1.90	2.47	2.49
Kazakhstan*	..	..	..	- 0.10	- 0.79	- 0.96	- 0.85	- 0.95	- 0.83
Kosovo*	..	..	..	..	0.10	0.10	0.10	0.11	0.10
Kyrgyzstan*	..	..	..	0.94	0.16	0.22	0.39	0.50	0.52
Latvia*	..	..	..	0.28	0.10	0.10	0.09	0.10	0.09
Lithuania*	..	..	..	0.29	0.12	0.10	0.09	0.09	0.10
FYR of Macedonia*	..	..	..	0.18	0.17	0.16	0.13	0.15	0.13
Malta	0.37	0.33	0.18	0.18	0.26	0.27	0.28	0.31	0.36
Republic of Moldova*	..	..	..	0.82	0.22	0.22	0.21	0.22	0.21
Montenegro*	..	..	..	..	..	0.04	0.05	0.05	0.05
Romania	- 0.06	- 0.01	0.09	0.12	0.04	0.04	0.04	0.04	0.04
Russian Federation*	..	..	..	- 0.31	- 0.34	- 0.44	- 0.36	- 0.40	- 0.39
Serbia*	..	..	..	0.12	0.03	0.15	0.13	0.12	0.11
Tajikistan*	..	..	..	0.44	0.12	0.12	0.18	0.17	0.17
Turkmenistan*	..	..	..	0.29	- 1.09	- 0.68	- 0.51	- 0.43	- 0.37
Ukraine*	..	..	..	0.38	0.11	0.11	0.10	0.11	0.11
Uzbekistan*	..	..	..	0.65	- 0.04	- 0.02	- 0.01	- 0.01	- 0.01
Former Soviet Union*	- 0.15	- 0.14	- 0.16	x	x	x	x	x	x
Former Yugoslavia*	0.08	0.13	0.11	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>- 0.11</b>	<b>- 0.10</b>	<b>- 0.10</b>	<b>- 0.08</b>	<b>- 0.21</b>	<b>- 0.28</b>	<b>- 0.25</b>	<b>- 0.28</b>	<b>- 0.28</b>

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Net oil imports/GDP (toe per thousand 2005 USD)***Importations nettes de pétrole/PIB (tep par milliers de USD 2005)**Netto-Ölimport/BIP (toe pro tausend 2005er USD)**Importazioni nette di petrolio/PIL (tep per migliaia di USD 2005)**石油純輸入量/GDP (石油換算トン/千米ドル、2005年価格)**Importaciones netas de petróleo/PIB (tep por miles de 2005 USD)**Чистый импорт нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	- 4.87	- 4.64	- 1.67	- 1.46	- 0.84	- 0.56	- 0.40	- 0.39	- 0.38
Islamic Republic of Iran	- 3.19	- 3.39	- 0.51	- 1.14	- 0.91	- 0.73	- 0.60	- 0.56	- 0.59
Iraq	- 1.02	- 1.11	- 0.82	- 1.70	- 2.64	- 2.24	- 2.59	- 2.51	- 2.40
Jordan	0.27	0.31	0.39	0.63	0.52	0.45	0.29	0.28	0.31
Kuwait	- 3.39	- 3.31	- 1.96	- 1.17	- 1.75	- 1.47	- 1.33	- 1.02	- 1.11
Lebanon	0.14	0.14	0.21	0.20	0.26	0.22	0.20	0.23	0.20
Oman	- 3.33	- 3.57	- 1.94	- 2.03	- 1.88	- 1.25	- 0.90	- 0.99	- 0.97
Qatar	- 1.41	- 1.42	- 1.32	- 1.36	- 1.31	- 1.21	- 0.83	- 0.73	- 0.67
Saudi Arabia	- 3.05	- 3.23	- 2.33	- 1.53	- 1.43	- 1.37	- 1.22	- 1.07	- 1.09
Syrian Arab Republic	- 0.54	- 0.57	- 0.36	- 0.81	- 0.79	- 0.24	- 0.04	- 0.09	- 0.13
United Arab Emirates	- 3.34	- 2.28	- 0.95	- 0.88	- 0.75	- 0.62	- 0.55	- 0.48	- 0.50
Yemen	0.54	0.53	0.39	- 0.77	- 1.20	- 0.76	- 0.42	- 0.40	- 0.34
<b>Middle East</b>	<b>- 2.36</b>	<b>- 2.45</b>	<b>- 1.36</b>	<b>- 1.28</b>	<b>- 1.21</b>	<b>- 1.01</b>	<b>- 0.87</b>	<b>- 0.78</b>	<b>- 0.79</b>
<b>Non-OECD Total*</b>	<b>- 0.47</b>	<b>- 0.49</b>	<b>- 0.30</b>	<b>- 0.20</b>	<b>- 0.17</b>	<b>- 0.15</b>	<b>- 0.11</b>	<b>- 0.10</b>	<b>- 0.09</b>
<i>European Union - 27*</i>	..	..	..	0.05	0.04	0.04	0.04	0.04	0.04
OECD Americas	0.04	0.05	0.04	0.03	0.03	0.04	0.03	0.03	0.03
OECD Asia Oceania	0.12	0.13	0.10	0.07	0.07	0.06	0.05	0.05	0.05
OECD Europe*	0.11	0.11	0.07	0.04	0.03	0.03	0.03	0.03	0.03
<b>OECD Total*</b>	<b>0.08</b>	<b>0.09</b>	<b>0.07</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.03</b>	<b>0.03</b>
<i>Memo: OPEC</i>	- 2.38	- 2.43	- 1.37	- 1.23	- 1.23	- 1.09	- 0.92	- 0.83	- 0.83

A negative number shows net exports.

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## TPES/GDP (toe per thousand 2005 USD)

ATEP/PIB (tep par milliers de USD 2005)

TPES/BIP (in toe pro tausend 2005er USD)

DTEP/PIL (tep per migliaia di USD 2005)

一次エネルギー供給/GDP (石油換算トン/千米ドル、2005年価格)

TPES/PIB (tep por miles de 2005 USD)

ОППТЭ / ВВП (тнэ на тыс.долл.США в ценах и по валютному курсу 2005 г.)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.13	0.14	0.22	0.33	0.34	0.32	0.34	0.36	0.35
Angola	0.28	0.28	0.33	0.34	0.40	0.31	0.23	0.24	0.26
Benin	0.86	0.83	0.79	0.75	0.56	0.58	0.67	0.68	0.70
Botswana*	..	..	..	0.28	0.23	0.19	0.19	0.18	0.19
Cameroon	0.56	0.54	0.42	0.41	0.46	0.42	0.35	0.37	0.37
Congo	0.32	0.29	0.23	0.18	0.16	0.18	0.19	0.20	0.19
Dem. Rep. of Congo	0.69	0.68	0.89	1.14	2.86	2.81	2.64	2.65	2.56
Côte d'Ivoire	0.31	0.59	0.46	0.41	0.41	0.59	0.60	0.53	0.52
Egypt	0.49	0.49	0.52	0.65	0.54	0.70	0.65	0.62	0.61
Eritrea*	..	..	..	..	0.73	0.69	0.68	0.65	0.65
Ethiopia	1.59	1.62	1.91	2.17	2.07	1.74	1.87	1.77	1.68
Gabon	0.36	0.40	0.24	0.18	0.18	0.21	0.21	0.22	0.22
Ghana	0.66	0.74	0.90	0.96	0.92	0.77	0.68	0.64	0.63
Kenya	1.07	0.93	0.84	0.82	0.88	0.86	0.82	0.85	0.84
Libya	0.05	0.09	0.16	0.38	0.54	0.55	0.48	0.45	0.35
Morocco	0.15	0.17	0.19	0.19	0.22	0.22	0.22	0.21	0.22
Mozambique	2.36	2.13	2.66	2.31	1.65	1.29	1.15	1.12	1.09
Namibia*	..	..	..	..	0.17	0.18	0.19	0.19	0.18
Nigeria	0.88	0.87	0.92	1.11	1.09	0.95	0.83	0.76	0.73
Senegal	0.37	0.39	0.39	0.33	0.35	0.32	0.32	0.33	0.33
South Africa	0.41	0.42	0.44	0.53	0.53	0.52	0.52	0.51	0.47
Sudan	1.03	1.13	0.89	0.88	0.63	0.55	0.42	0.43	0.41
United Rep. of Tanzania	1.94	1.79	1.49	1.31	1.33	1.21	1.09	1.05	1.02
Togo	0.80	0.73	0.64	0.83	1.11	1.12	1.11	1.10	1.09
Tunisia	0.32	0.31	0.34	0.30	0.28	0.26	0.25	0.23	0.24
Zambia	0.84	0.88	0.94	1.02	1.10	1.00	0.89	0.86	0.83
Zimbabwe	1.46	1.42	1.39	1.30	1.19	1.74	2.08	2.00	1.87
Other Africa	0.80	0.82	0.83	0.90	0.92	0.79	0.73	0.74	0.74
<b>Africa</b>	<b>0.53</b>	<b>0.54</b>	<b>0.54</b>	<b>0.63</b>	<b>0.63</b>	<b>0.61</b>	<b>0.58</b>	<b>0.57</b>	<b>0.55</b>
Argentina	0.34	0.35	0.34	0.43	0.37	0.37	0.33	0.32	0.29
Bolivia	0.25	0.26	0.44	0.46	0.46	0.54	0.54	0.54	0.61
Brazil	0.28	0.25	0.22	0.23	0.24	0.24	0.24	0.24	0.24
Colombia	0.34	0.30	0.27	0.26	0.21	0.18	0.17	0.18	0.18
Costa Rica	0.24	0.23	0.20	0.21	0.18	0.19	0.19	0.19	0.19
Cuba	0.58	0.55	0.57	0.45	0.38	0.25	0.20	0.22	0.20
Dominican Republic	0.33	0.33	0.27	0.26	0.27	0.23	0.19	0.18	0.17
Ecuador	0.22	0.19	0.26	0.26	0.29	0.30	0.26	0.27	0.27
El Salvador	0.21	0.21	0.25	0.25	0.26	0.26	0.24	0.23	0.23
Guatemala	0.31	0.29	0.26	0.28	0.30	0.29	0.26	0.29	0.32
Haiti	0.40	0.42	0.40	0.31	0.47	0.62	0.63	0.57	0.53
Honduras	0.51	0.48	0.42	0.42	0.38	0.41	0.40	0.40	0.39
Jamaica	0.28	0.36	0.35	0.33	0.38	0.34	0.37	0.29	0.27
Netherlands Antilles*	..	..	2.86	0.85	0.84	0.78	0.76	0.81	0.63
Nicaragua	0.36	0.37	0.45	0.70	0.65	0.68	0.55	0.56	0.54
Panama	0.34	0.38	0.21	0.20	0.21	0.19	0.15	0.16	0.17
Paraguay	0.72	0.70	0.50	0.56	0.58	0.53	0.49	0.53	0.49
Peru	0.26	0.25	0.24	0.22	0.19	0.17	0.15	0.15	0.17
Trinidad and Tobago	0.44	0.41	0.38	0.75	0.98	1.05	1.00	1.08	1.14
Uruguay	0.26	0.26	0.21	0.18	0.18	0.17	0.20	0.19	0.18
Venezuela	0.26	0.26	0.37	0.42	0.44	0.46	0.38	0.40	0.44
Other Non-OECD Americas	0.38	0.43	0.34	0.20	0.19	0.19	0.18	0.20	0.20
<b>Non-OECD Americas</b>	<b>0.30</b>	<b>0.29</b>	<b>0.27</b>	<b>0.29</b>	<b>0.28</b>	<b>0.28</b>	<b>0.26</b>	<b>0.26</b>	<b>0.27</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## TPES/GDP (toe per thousand 2005 USD)

ATEP/PIB (tep par milliers de USD 2005)

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ОППТЭ / ВВП (тнэ на тыс.долл.США в ценах и по валютному курсу 2005 г.)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.32	0.41	0.42	0.44	0.40	0.40	0.38	0.38	0.38
Brunei Darussalam	0.04	0.07	0.16	0.26	0.29	0.24	0.37	0.33	0.33
Cambodia*	..	..	..	..	0.85	0.55	0.43	0.60	0.58
Chinese Taipei	0.33	0.33	0.35	0.29	0.28	0.28	0.26	0.25	0.24
India	1.02	1.04	1.01	0.90	0.77	0.65	0.60	0.59	0.56
Indonesia	0.86	0.79	0.69	0.66	0.68	0.63	0.55	0.56	0.55
DPR of Korea	2.45	2.04	1.42	0.81	0.69	0.72	0.69	0.63	0.67
Malaysia	0.40	0.33	0.39	0.39	0.43	0.46	0.45	0.44	0.42
Mongolia*	..	..	..	1.85	1.30	1.04	0.96	1.00	0.95
Myanmar	4.12	4.07	3.25	3.24	1.96	1.24	0.96	0.86	0.80
Nepal	1.71	1.76	1.71	1.37	1.18	1.12	1.04	1.03	1.02
Pakistan	0.84	0.84	0.78	0.73	0.74	0.69	0.65	0.65	0.63
Philippines	0.49	0.48	0.43	0.46	0.48	0.38	0.33	0.31	0.31
Singapore	0.25	0.27	0.22	0.24	0.19	0.18	0.16	0.19	0.19
Sri Lanka	0.72	0.73	0.57	0.46	0.41	0.37	0.30	0.30	0.30
Thailand	0.61	0.60	0.53	0.47	0.53	0.56	0.54	0.55	0.56
Vietnam	1.38	1.59	1.41	1.01	0.78	0.78	0.74	0.77	0.80
Other Asia	0.24	0.25	0.38	0.29	0.25	0.22	0.19	0.20	0.20
<b>Asia</b>	<b>0.81</b>	<b>0.79</b>	<b>0.71</b>	<b>0.63</b>	<b>0.57</b>	<b>0.53</b>	<b>0.49</b>	<b>0.49</b>	<b>0.47</b>
People's Rep. of China	3.08	3.00	2.77	1.66	0.83	0.78	0.66	0.65	0.63
Hong Kong, China	0.14	0.11	0.09	0.09	0.09	0.07	0.07	0.07	0.06
<b>China</b>	<b>2.64</b>	<b>2.51</b>	<b>2.25</b>	<b>1.41</b>	<b>0.77</b>	<b>0.72</b>	<b>0.62</b>	<b>0.62</b>	<b>0.60</b>
Albania	0.57	0.48	0.62	0.48	0.28	0.26	0.21	0.20	0.19
Armenia*	..	..	..	1.89	0.73	0.51	0.44	0.45	0.41
Azerbaijan*	..	..	..	2.19	1.62	1.05	0.54	0.43	0.42
Belarus*	..	..	..	1.92	1.17	0.89	0.71	0.67	0.65
Bosnia and Herzegovina*	..	..	..	3.04	0.51	0.47	0.46	0.48	0.51
Bulgaria	1.78	1.64	1.44	1.14	0.84	0.69	0.57	0.53	0.54
Croatia*	..	..	..	0.21	0.22	0.20	0.18	0.18	0.18
Cyprus	0.23	0.26	0.16	0.14	0.15	0.13	0.13	0.13	0.13
Georgia*	..	..	..	1.03	0.64	0.44	0.37	0.40	0.38
Gibraltar	0.07	0.06	0.07	0.08	0.14	0.14	0.14	0.16	0.16
Kazakhstan*	..	..	..	1.46	1.02	0.89	0.99	0.88	0.97
Kosovo*	..	..	..	..	0.56	0.50	0.47	0.51	0.51
Kyrgyzstan*	..	..	..	2.44	1.18	1.08	0.91	0.98	0.96
Latvia*	..	..	..	0.55	0.34	0.28	0.24	0.27	0.28
Lithuania*	..	..	..	0.65	0.40	0.34	0.30	0.32	0.25
FYR of Macedonia*	..	..	..	0.41	0.48	0.48	0.43	0.41	0.41
Malta	0.24	0.25	0.14	0.20	0.12	0.15	0.13	0.13	0.13
Republic of Moldova*	..	..	..	1.66	1.18	1.03	0.82	0.75	0.74
Montenegro*	..	..	..	..	..	0.31	0.28	0.24	0.29
Romania	1.11	1.03	0.79	0.70	0.48	0.39	0.32	0.31	0.31
Russian Federation*	..	..	..	1.04	1.09	0.85	0.73	0.74	0.78
Serbia*	..	..	..	0.55	0.68	0.64	0.59	0.55	0.56
Tajikistan*	..	..	..	1.42	1.50	1.01	0.87	0.76	0.72
Turkmenistan*	..	..	..	3.56	3.80	2.24	1.91	1.57	1.59
Ukraine*	..	..	..	1.82	2.21	1.66	1.33	1.29	1.44
Uzbekistan*	..	..	..	4.13	4.62	3.28	2.76	2.27	2.04
Former Soviet Union*	1.19	1.15	1.13	x	x	x	x	x	x
Former Yugoslavia*	0.34	0.34	0.31	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>1.11</b>	<b>1.08</b>	<b>1.03</b>	<b>1.12</b>	<b>1.06</b>	<b>0.84</b>	<b>0.72</b>	<b>0.71</b>	<b>0.74</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**TPES/GDP (toe per thousand 2005 USD)***ATEP/PIB (tep par milliers de USD 2005)**TPES/BIP (in toe pro tausend 2005er USD)**DTEP/PIL (tep per migliaia di USD 2005)*

一次エネルギー供給/GDP (石油換算トン/千米ドル、2005年価格)

*TPES/PIB (tep por miles de 2005 USD)**ОППТЭ / ВВП (тнэ на тыс.долл.США в ценах и по валютному курсу 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.85	1.24	0.56	0.74	0.59	0.56	0.56	0.56	0.55
Islamic Republic of Iran	0.25	0.25	0.46	0.68	0.84	0.90	0.91	0.93	0.91
Iraq	0.05	0.05	0.06	0.38	0.63	0.86	0.82	0.89	1.03
Jordan	0.22	0.28	0.33	0.58	0.53	0.53	0.45	0.46	0.43
Kuwait	0.13	0.16	0.26	0.25	0.35	0.33	0.30	0.31	0.36
Lebanon	0.13	0.14	0.21	0.21	0.27	0.23	0.21	0.24	0.22
Oman	0.05	0.02	0.16	0.25	0.31	0.35	0.40	0.38	0.47
Qatar	0.06	0.07	0.19	0.42	0.36	0.39	0.29	0.29	0.24
Saudi Arabia	0.10	0.06	0.15	0.30	0.39	0.46	0.45	0.46	0.47
Syrian Arab Republic	0.50	0.38	0.40	0.76	0.70	0.72	0.69	0.60	0.59
United Arab Emirates	0.07	0.04	0.09	0.23	0.24	0.24	0.28	0.29	0.29
Yemen	0.37	0.41	0.26	0.30	0.33	0.39	0.38	0.38	0.34
<b>Middle East</b>	<b>0.13</b>	<b>0.12</b>	<b>0.18</b>	<b>0.38</b>	<b>0.46</b>	<b>0.50</b>	<b>0.50</b>	<b>0.51</b>	<b>0.51</b>
<b>Non-OECD Total*</b>	<b>0.76</b>	<b>0.73</b>	<b>0.69</b>	<b>0.75</b>	<b>0.61</b>	<b>0.58</b>	<b>0.53</b>	<b>0.52</b>	<b>0.52</b>
<i>European Union - 27*</i>	..	..	..	0.16	0.13	0.13	0.12	0.12	0.12
OECD Americas	0.35	0.35	0.31	0.24	0.21	0.19	0.18	0.18	0.18
OECD Asia Oceania	0.17	0.18	0.16	0.14	0.15	0.14	0.13	0.13	0.14
OECD Europe*	0.20	0.20	0.18	0.15	0.13	0.13	0.12	0.12	0.12
<b>OECD Total*</b>	<b>0.25</b>	<b>0.25</b>	<b>0.22</b>	<b>0.18</b>	<b>0.16</b>	<b>0.15</b>	<b>0.14</b>	<b>0.14</b>	<b>0.14</b>
<b>World</b>	<b>0.33</b>	<b>0.33</b>	<b>0.31</b>	<b>0.28</b>	<b>0.25</b>	<b>0.25</b>	<b>0.24</b>	<b>0.25</b>	<b>0.25</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**TPES/GDP PPP (toe per thousand 2005 USD)***ATEP/PIB PPA (tep par milliers de USD 2005)**TPES/BIP Kaufkraftparität (in toe pro tausend 2005er USD)**DTEP/PIL PPA (tep per migliaia di USD 2005)*

一次エネルギー供給 / GDP (石油換算トン/千米ドル、2005年価格、購買力平価)

*TPES/PIB PPP (tep por miles de 2005 USD)**ОППТЭ / ВВП (млн на тыс.долл.США в ценах и по ППС 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.06	0.06	0.09	0.14	0.15	0.14	0.15	0.16	0.15
Angola	0.15	0.15	0.17	0.17	0.20	0.16	0.12	0.13	0.13
Benin	0.36	0.35	0.33	0.31	0.23	0.24	0.28	0.28	0.29
Botswana*	..	..	..	0.13	0.11	0.09	0.09	0.09	0.09
Cameroon	0.27	0.26	0.20	0.20	0.22	0.20	0.17	0.18	0.18
Congo	0.17	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.10
Dem. Rep. of Congo	0.31	0.31	0.40	0.51	1.29	1.27	1.19	1.20	1.16
Côte d'Ivoire	0.17	0.32	0.25	0.22	0.22	0.32	0.33	0.29	0.28
Egypt	0.13	0.13	0.14	0.18	0.15	0.19	0.18	0.17	0.16
Eritrea*	..	..	..	..	0.30	0.29	0.28	0.29	0.29
Ethiopia	0.41	0.42	0.50	0.56	0.54	0.45	0.49	0.46	0.43
Gabon	0.17	0.19	0.12	0.09	0.09	0.10	0.10	0.11	0.11
Ghana	0.27	0.30	0.37	0.39	0.38	0.31	0.28	0.26	0.26
Kenya	0.42	0.36	0.33	0.32	0.34	0.33	0.32	0.33	0.33
Libya	0.02	0.04	0.07	0.17	0.28	0.30	0.26	0.24	0.19
Morocco	0.08	0.10	0.11	0.10	0.12	0.12	0.12	0.11	0.12
Mozambique	1.12	1.01	1.26	1.09	0.78	0.61	0.54	0.53	0.52
Namibia*	..	..	..	..	0.11	0.12	0.13	0.12	0.12
Nigeria	0.40	0.40	0.42	0.51	0.50	0.44	0.38	0.35	0.33
Senegal	0.18	0.19	0.19	0.16	0.17	0.15	0.15	0.16	0.16
South Africa	0.25	0.26	0.27	0.32	0.33	0.32	0.32	0.31	0.29
Sudan	0.46	0.50	0.39	0.39	0.28	0.24	0.19	0.19	0.18
United Rep. of Tanzania	0.68	0.63	0.52	0.46	0.47	0.43	0.38	0.37	0.36
Togo	0.36	0.33	0.29	0.38	0.51	0.51	0.51	0.50	0.50
Tunisia	0.12	0.11	0.13	0.13	0.13	0.12	0.11	0.10	0.11
Zambia	0.45	0.47	0.51	0.55	0.60	0.54	0.48	0.47	0.45
Zimbabwe	2.16	2.09	2.06	1.92	1.76	2.57	3.19	3.06	2.87
Other Africa	0.34	0.36	0.36	0.39	0.39	0.34	0.32	0.32	0.31
<b>Africa</b>	<b>0.25</b>	<b>0.26</b>	<b>0.25</b>	<b>0.29</b>	<b>0.29</b>	<b>0.28</b>	<b>0.26</b>	<b>0.26</b>	<b>0.25</b>
Argentina	0.15	0.15	0.15	0.19	0.16	0.16	0.15	0.14	0.13
Bolivia	0.07	0.07	0.12	0.13	0.13	0.15	0.15	0.15	0.17
Brazil	0.15	0.14	0.12	0.13	0.14	0.14	0.14	0.13	0.14
Colombia	0.16	0.14	0.12	0.12	0.10	0.09	0.08	0.08	0.08
Costa Rica	0.12	0.12	0.10	0.11	0.09	0.10	0.10	0.10	0.10
Cuba	0.52	0.49	0.51	0.41	0.34	0.22	0.17	0.20	0.18
Dominican Republic	0.19	0.19	0.16	0.15	0.16	0.13	0.11	0.10	0.10
Ecuador	0.09	0.08	0.11	0.11	0.12	0.13	0.11	0.11	0.12
El Salvador	0.10	0.11	0.12	0.13	0.13	0.13	0.12	0.12	0.11
Guatemala	0.16	0.15	0.14	0.15	0.16	0.15	0.14	0.16	0.17
Haiti	0.21	0.21	0.20	0.16	0.20	0.27	0.27	0.25	0.23
Honduras	0.22	0.21	0.18	0.18	0.17	0.18	0.17	0.17	0.17
Jamaica	0.17	0.22	0.21	0.20	0.23	0.20	0.22	0.17	0.16
Netherlands Antilles*	..	..	3.18	0.95	0.94	0.87	0.84	0.90	0.70
Nicaragua	0.14	0.14	0.17	0.27	0.25	0.26	0.21	0.22	0.21
Panama	0.18	0.20	0.11	0.10	0.11	0.10	0.08	0.08	0.09
Paraguay	0.23	0.23	0.16	0.18	0.19	0.17	0.16	0.17	0.16
Peru	0.12	0.11	0.11	0.10	0.09	0.08	0.07	0.07	0.08
Trinidad and Tobago	0.26	0.25	0.23	0.46	0.59	0.64	0.60	0.66	0.69
Uruguay	0.14	0.14	0.12	0.10	0.10	0.09	0.11	0.11	0.10
Venezuela	0.15	0.15	0.20	0.23	0.24	0.25	0.21	0.22	0.24
Other Non-OECD Americas	0.32	0.37	0.30	0.18	0.17	0.17	0.16	0.17	0.17
<b>Non-OECD Americas</b>	<b>0.16</b>	<b>0.15</b>	<b>0.14</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.14</b>	<b>0.14</b>	<b>0.14</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**TPES/GDP PPP (toe per thousand 2005 USD)***ATEP/PIB PPA (tep par milliers de USD 2005)**TPES/BIP Kaufkraftparität (in toe pro tausend 2005er USD)**DTEP/PIL PPA (tep per migliaia di USD 2005)**一次エネルギー供給 / GDP (石油換算トン / 千米ドル、2005年価格、購買力平価)**TPES/PIB PPP (tep por miles de 2005 USD)**ОППТЭ / ВВП (млн на тыс.долл.США в ценах и по ППС 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.12	0.15	0.15	0.16	0.15	0.15	0.14	0.14	0.14
Brunei Darussalam	0.02	0.04	0.09	0.14	0.15	0.13	0.20	0.18	0.18
Cambodia*	..	..	..	..	0.26	0.17	0.13	0.19	0.18
Chinese Taipei	0.20	0.20	0.21	0.17	0.17	0.17	0.15	0.15	0.15
India	0.34	0.34	0.33	0.30	0.25	0.21	0.20	0.20	0.18
Indonesia	0.35	0.32	0.28	0.27	0.28	0.26	0.22	0.23	0.22
DPR of Korea	0.65	0.54	0.38	0.22	0.18	0.19	0.18	0.17	0.18
Malaysia	0.18	0.15	0.18	0.18	0.20	0.21	0.21	0.20	0.19
Mongolia*	..	..	..	0.64	0.45	0.36	0.33	0.35	0.33
Myanmar	1.01	1.00	0.79	0.79	0.48	0.30	0.22	0.19	0.17
Nepal	0.53	0.55	0.54	0.43	0.37	0.35	0.33	0.32	0.32
Pakistan	0.27	0.27	0.25	0.24	0.24	0.22	0.21	0.21	0.20
Philippines	0.19	0.19	0.17	0.18	0.19	0.15	0.13	0.12	0.12
Singapore	0.16	0.17	0.14	0.15	0.12	0.12	0.10	0.12	0.12
Sri Lanka	0.25	0.26	0.20	0.16	0.15	0.13	0.11	0.10	0.10
Thailand	0.24	0.24	0.21	0.19	0.21	0.22	0.21	0.22	0.22
Vietnam	0.41	0.48	0.42	0.30	0.23	0.23	0.22	0.23	0.24
Other Asia	0.10	0.12	0.20	0.16	0.14	0.12	0.11	0.11	0.10
<b>Asia</b>	<b>0.30</b>	<b>0.30</b>	<b>0.28</b>	<b>0.25</b>	<b>0.23</b>	<b>0.21</b>	<b>0.19</b>	<b>0.19</b>	<b>0.18</b>
People's Rep. of China	1.30	1.26	1.16	0.70	0.35	0.33	0.28	0.27	0.27
Hong Kong, China	0.10	0.08	0.07	0.06	0.07	0.05	0.05	0.05	0.05
<b>China</b>	<b>1.19</b>	<b>1.14</b>	<b>1.03</b>	<b>0.64</b>	<b>0.34</b>	<b>0.31</b>	<b>0.27</b>	<b>0.27</b>	<b>0.26</b>
Albania	0.25	0.21	0.27	0.21	0.12	0.12	0.09	0.09	0.08
Armenia*	..	..	..	0.74	0.28	0.20	0.17	0.18	0.16
Azerbaijan*	..	..	..	0.77	0.57	0.37	0.19	0.15	0.15
Belarus*	..	..	..	0.69	0.42	0.32	0.26	0.24	0.23
Bosnia and Herzegovina*	..	..	..	1.39	0.23	0.21	0.21	0.22	0.23
Bulgaria	0.68	0.63	0.55	0.43	0.32	0.26	0.22	0.20	0.21
Croatia*	..	..	..	0.14	0.14	0.13	0.12	0.12	0.12
Cyprus	0.21	0.24	0.15	0.13	0.14	0.12	0.12	0.12	0.12
Georgia*	..	..	..	0.42	0.26	0.18	0.15	0.16	0.15
Gibraltar	0.08	0.07	0.08	0.10	0.16	0.17	0.17	0.18	0.19
Kazakhstan*	..	..	..	0.63	0.44	0.39	0.43	0.38	0.42
Kyrgyzstan*	..	..	..	0.68	0.33	0.30	0.25	0.27	0.27
Latvia*	..	..	..	0.29	0.18	0.15	0.13	0.15	0.15
Lithuania*	..	..	..	0.35	0.21	0.18	0.16	0.17	0.14
FYR of Macedonia*	..	..	..	0.15	0.18	0.18	0.16	0.15	0.15
Malta	0.17	0.17	0.10	0.14	0.08	0.10	0.09	0.09	0.09
Republic of Moldova*	..	..	..	0.58	0.42	0.36	0.29	0.26	0.26
Montenegro*	..	..	..	..	..	0.14	0.12	0.10	0.13
Romania	0.54	0.50	0.38	0.34	0.24	0.19	0.16	0.15	0.15
Russian Federation*	..	..	..	0.47	0.49	0.38	0.33	0.33	0.35
Serbia*	..	..	..	0.22	0.27	0.25	0.23	0.22	0.22
Tajikistan*	..	..	..	0.34	0.36	0.24	0.21	0.18	0.17
Turkmenistan*	..	..	..	1.28	1.36	0.80	0.68	0.56	0.57
Ukraine*	..	..	..	0.60	0.72	0.54	0.44	0.42	0.47
Uzbekistan*	..	..	..	1.13	1.26	0.90	0.75	0.62	0.56
Former Soviet Union*	0.50	0.49	0.48	x	x	x	x	x	x
Former Yugoslavia*	0.19	0.19	0.18	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>0.49</b>	<b>0.47</b>	<b>0.45</b>	<b>0.48</b>	<b>0.47</b>	<b>0.37</b>	<b>0.32</b>	<b>0.31</b>	<b>0.32</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**TPES/GDP PPP (toe per thousand 2005 USD)***AТЕP/PIB PPA (tep par milliers de USD 2005)**TPES/BIP Kaufkraftparität (in toe pro tausend 2005er USD)**DTEP/PIL PPA (tep per migliaia di USD 2005)**一次エネルギー供給 / GDP (石油換算トン/千米ドル、2005年価格、購買力平価)**TPES/PIB PPP (tep por miles de 2005 USD)**ОППТЭ / ВВП (млн на тыс.долл.США в ценах и по ППС 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.56	0.82	0.37	0.49	0.39	0.37	0.37	0.37	0.37
Islamic Republic of Iran	0.07	0.07	0.14	0.20	0.25	0.27	0.27	0.28	0.27
Iraq	0.02	0.02	0.02	0.14	0.23	0.33	0.29	0.32	0.37
Jordan	0.12	0.15	0.18	0.31	0.28	0.28	0.24	0.25	0.23
Kuwait	0.10	0.11	0.19	0.18	0.25	0.24	0.22	0.25	0.27
Lebanon	0.07	0.08	0.12	0.12	0.15	0.13	0.12	0.13	0.12
Oman	0.03	0.02	0.10	0.15	0.19	0.21	0.24	0.23	0.29
Qatar	0.05	0.05	0.14	0.31	0.27	0.29	0.20	0.20	0.17
Saudi Arabia	0.06	0.04	0.09	0.19	0.25	0.30	0.29	0.29	0.30
Syrian Arab Republic	0.19	0.14	0.15	0.29	0.26	0.27	0.26	0.23	0.22
United Arab Emirates	0.04	0.03	0.06	0.15	0.16	0.16	0.18	0.19	0.20
Yemen	0.14	0.15	0.10	0.11	0.13	0.14	0.14	0.14	0.13
<b>Middle East</b>	<b>0.06</b>	<b>0.06</b>	<b>0.09</b>	<b>0.19</b>	<b>0.23</b>	<b>0.26</b>	<b>0.25</b>	<b>0.26</b>	<b>0.26</b>
<b>Non-OECD Total*</b>	<b>0.34</b>	<b>0.33</b>	<b>0.32</b>	<b>0.34</b>	<b>0.28</b>	<b>0.26</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>
<i>European Union - 27*</i>	..	..	..	0.17	0.14	0.13	0.12	0.12	0.12
OECD Americas	0.34	0.34	0.30	0.23	0.20	0.18	0.17	0.17	0.17
OECD Asia Oceania	0.19	0.20	0.18	0.15	0.16	0.15	0.14	0.14	0.14
OECD Europe*	0.21	0.21	0.19	0.16	0.14	0.13	0.12	0.12	0.12
<b>OECD Total*</b>	<b>0.26</b>	<b>0.26</b>	<b>0.23</b>	<b>0.19</b>	<b>0.17</b>	<b>0.16</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>
<b>World</b>	<b>0.28</b>	<b>0.28</b>	<b>0.26</b>	<b>0.24</b>	<b>0.20</b>	<b>0.20</b>	<b>0.18</b>	<b>0.19</b>	<b>0.19</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## TPES/population (toe per capita)

ATEP/population (tep par habitant)

TPES/Bevölkerung (toe pro Kopf)

DTEP/Popolazione (tep per abitante)

一人当たり一次エネルギー供給 (石油換算トン/人)

TPES/ población (tep per capita)

ОППТЭ / Численность населения (тнэ на человека)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.24	0.32	0.60	0.88	0.88	0.98	1.09	1.17	1.14
Angola	0.64	0.65	0.60	0.57	0.54	0.57	0.66	0.68	0.72
Benin	0.38	0.39	0.37	0.35	0.30	0.33	0.39	0.40	0.41
Botswana*	..	..	..	0.91	1.04	1.03	1.10	1.02	1.13
Cameroon	0.38	0.38	0.40	0.41	0.40	0.40	0.34	0.36	0.36
Congo	0.37	0.36	0.34	0.32	0.26	0.31	0.33	0.36	0.36
Dem. Rep. of Congo	0.32	0.32	0.31	0.32	0.34	0.35	0.36	0.36	0.36
Côte d'Ivoire	0.43	0.84	0.66	0.43	0.41	0.53	0.54	0.49	0.48
Egypt	0.21	0.21	0.34	0.57	0.60	0.85	0.92	0.90	0.90
Eritrea*	..	..	..	..	0.19	0.17	0.14	0.14	0.14
Ethiopia	0.27	0.27	0.29	0.29	0.28	0.29	0.40	0.40	0.40
Gabon	1.98	2.56	2.01	1.27	1.18	1.35	1.37	1.39	1.42
Ghana	0.34	0.36	0.37	0.36	0.40	0.38	0.39	0.37	0.38
Kenya	0.45	0.45	0.45	0.46	0.44	0.45	0.46	0.48	0.48
Libya	0.75	1.15	2.25	2.61	3.56	4.23	3.98	3.73	3.01
Morocco	0.15	0.18	0.25	0.28	0.36	0.43	0.48	0.48	0.52
Mozambique	0.71	0.67	0.55	0.44	0.39	0.41	0.42	0.43	0.44
Namibia*	..	..	..	..	0.52	0.62	0.74	0.70	0.70
Nigeria	0.61	0.63	0.69	0.72	0.73	0.76	0.74	0.71	0.71
Senegal	0.29	0.29	0.29	0.23	0.25	0.26	0.26	0.27	0.27
South Africa	2.01	2.08	2.37	2.58	2.48	2.72	3.03	2.93	2.74
Sudan	0.46	0.46	0.42	0.40	0.39	0.39	0.36	0.37	0.37
United Rep. of Tanzania	0.54	0.51	0.43	0.38	0.39	0.44	0.45	0.45	0.45
Togo	0.34	0.33	0.33	0.34	0.44	0.44	0.44	0.45	0.45
Tunisia	0.32	0.35	0.51	0.61	0.76	0.83	0.91	0.87	0.91
Zambia	0.82	0.86	0.78	0.69	0.61	0.63	0.62	0.62	0.63
Zimbabwe	1.01	1.02	0.89	0.89	0.79	0.77	0.74	0.75	0.76
Other Africa	0.37	0.37	0.37	0.36	0.37	0.37	0.38	0.38	0.38
<b>Africa</b>	<b>0.51</b>	<b>0.53</b>	<b>0.57</b>	<b>0.61</b>	<b>0.61</b>	<b>0.66</b>	<b>0.69</b>	<b>0.68</b>	<b>0.67</b>
Argentina	1.38	1.41	1.49	1.41	1.65	1.73	1.93	1.86	1.85
Bolivia	0.24	0.26	0.46	0.39	0.45	0.57	0.62	0.63	0.74
Brazil	0.71	0.79	0.94	0.94	1.07	1.16	1.30	1.24	1.36
Colombia	0.63	0.61	0.66	0.73	0.65	0.63	0.65	0.68	0.70
Costa Rica	0.61	0.64	0.65	0.66	0.75	0.90	1.01	0.99	1.00
Cuba	1.21	1.21	1.53	1.67	1.16	0.96	0.93	1.04	0.98
Dominican Republic	0.50	0.59	0.59	0.57	0.91	0.83	0.85	0.83	0.84
Ecuador	0.37	0.37	0.63	0.59	0.65	0.82	0.78	0.80	0.84
El Salvador	0.46	0.49	0.54	0.46	0.67	0.75	0.73	0.69	0.68
Guatemala	0.49	0.50	0.54	0.49	0.63	0.62	0.60	0.66	0.71
Haiti	0.31	0.32	0.37	0.22	0.23	0.28	0.28	0.26	0.23
Honduras	0.50	0.50	0.52	0.49	0.48	0.58	0.64	0.60	0.60
Jamaica	1.06	1.49	1.07	1.17	1.48	1.42	1.59	1.21	1.13
Netherlands Antilles*	33.98	36.47	22.56	7.64	10.92	10.46	10.62	10.76	8.36
Nicaragua	0.50	0.53	0.47	0.51	0.54	0.61	0.54	0.53	0.54
Panama	1.08	1.24	0.72	0.62	0.87	0.89	0.91	0.99	1.07
Paraguay	0.54	0.57	0.65	0.72	0.72	0.67	0.70	0.71	0.74
Peru	0.67	0.66	0.65	0.45	0.47	0.50	0.53	0.55	0.67
Trinidad and Tobago	2.70	2.66	3.55	4.93	8.26	12.76	14.53	15.17	15.92
Uruguay	0.86	0.85	0.91	0.72	0.94	0.89	1.25	1.26	1.24
Venezuela	1.78	1.80	2.37	2.22	2.33	2.52	2.51	2.47	2.67
Other Non-OECD Americas	1.81	2.17	2.16	1.64	1.74	1.81	1.89	1.91	1.94
<b>Non-OECD Americas</b>	<b>0.85</b>	<b>0.90</b>	<b>1.01</b>	<b>0.97</b>	<b>1.07</b>	<b>1.14</b>	<b>1.23</b>	<b>1.20</b>	<b>1.28</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



## TPES/population (toe per capita)

ATEP/population (tep par habitant)

TPES/Bevölkerung (toe pro Kopf)

DTEP/Popolazione (tep per abitante)

一人当たり一次エネルギー供給 (石油換算トン/人)

TPES/ población (tep per capita)

ОППТЭ / Численность населения (тнэ на человека)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.08	0.09	0.10	0.12	0.14	0.17	0.19	0.20	0.21
Brunei Darussalam	1.35	2.39	7.15	6.99	7.50	6.34	9.43	7.97	8.31
Cambodia*	..	..	..	..	0.27	0.26	0.25	0.35	0.36
Chinese Taipei	0.67	0.84	1.57	2.38	3.85	4.50	4.61	4.46	4.71
India	0.28	0.28	0.30	0.37	0.45	0.49	0.55	0.58	0.59
Indonesia	0.29	0.30	0.37	0.54	0.73	0.79	0.80	0.84	0.87
DPR of Korea	1.33	1.34	1.76	1.65	0.86	0.90	0.84	0.79	0.76
Malaysia	0.54	0.52	0.86	1.18	2.01	2.43	2.65	2.50	2.56
Mongolia*	..	..	..	1.56	0.99	1.03	1.18	1.20	1.19
Myanmar	0.29	0.28	0.29	0.27	0.29	0.32	0.32	0.30	0.29
Nepal	0.30	0.30	0.30	0.30	0.33	0.33	0.33	0.34	0.34
Pakistan	0.28	0.28	0.31	0.38	0.44	0.48	0.49	0.49	0.49
Philippines	0.42	0.44	0.48	0.46	0.52	0.45	0.44	0.42	0.43
Singapore	1.29	1.71	2.13	3.78	4.65	5.26	4.92	5.51	6.46
Sri Lanka	0.30	0.31	0.30	0.32	0.44	0.45	0.44	0.44	0.47
Thailand	0.36	0.39	0.46	0.73	1.14	1.49	1.58	1.56	1.70
Vietnam	0.30	0.30	0.27	0.27	0.37	0.50	0.58	0.62	0.68
Other Asia	0.13	0.13	0.23	0.17	0.21	0.22	0.22	0.24	0.24
<b>Asia</b>	<b>0.30</b>	<b>0.31</b>	<b>0.35</b>	<b>0.44</b>	<b>0.54</b>	<b>0.60</b>	<b>0.64</b>	<b>0.66</b>	<b>0.68</b>
People's Rep. of China	0.46	0.48	0.61	0.77	0.94	1.34	1.57	1.69	1.81
Hong Kong, China	0.74	0.75	0.91	1.52	2.01	1.86	2.03	2.13	1.95
<b>China</b>	<b>0.47</b>	<b>0.48</b>	<b>0.61</b>	<b>0.77</b>	<b>0.94</b>	<b>1.35</b>	<b>1.58</b>	<b>1.69</b>	<b>1.81</b>
Albania	0.78	0.76	1.15	0.81	0.58	0.70	0.66	0.65	0.65
Armenia*	..	..	..	2.17	0.65	0.82	0.97	0.84	0.79
Azerbaijan*	..	..	..	3.65	1.42	1.65	1.52	1.31	1.31
Belarus*	..	..	..	4.47	2.47	2.75	2.93	2.82	2.92
Bosnia and Herzegovina*	..	..	..	1.63	1.18	1.33	1.58	1.60	1.70
Bulgaria	2.23	2.38	3.20	3.28	2.32	2.58	2.60	2.31	2.37
Croatia*	..	..	..	1.88	1.76	2.00	2.04	1.96	1.93
Cyprus	0.95	1.23	1.69	2.35	3.10	2.96	3.28	3.18	3.04
Georgia*	..	..	..	2.59	0.65	0.65	0.69	0.70	0.70
Gibraltar	1.25	1.17	1.34	2.09	4.41	4.77	5.08	5.22	5.51
Kazakhstan*	..	..	..	4.49	2.40	3.35	4.48	3.98	4.60
Kosovo*	..	..	..	..	0.87	1.05	1.18	1.31	1.34
Kyrgyzstan*	..	..	..	1.69	0.49	0.52	0.52	0.57	0.54
Latvia*	..	..	..	2.95	1.57	1.92	1.98	1.87	1.97
Lithuania*	..	..	..	4.34	2.04	2.59	2.81	2.59	2.09
FYR of Macedonia*	..	..	..	1.30	1.33	1.42	1.47	1.37	1.40
Malta	0.65	0.79	0.87	1.93	1.73	2.18	2.03	1.96	2.03
Republic of Moldova*	..	..	..	2.67	0.69	0.86	0.80	0.69	0.73
Montenegro*	..	..	..	..	..	1.13	1.31	1.04	1.30
Romania	2.06	2.30	2.94	2.68	1.61	1.79	1.84	1.62	1.63
Russian Federation*	..	..	..	5.93	4.23	4.55	4.85	4.56	4.95
Serbia*	..	..	..	1.93	1.35	2.16	2.29	2.08	2.14
Tajikistan*	..	..	..	1.00	0.35	0.36	0.37	0.34	0.34
Turkmenistan*	..	..	..	4.79	3.16	3.83	4.49	3.87	4.23
Ukraine*	..	..	..	4.81	2.68	3.04	2.94	2.44	2.84
Uzbekistan*	..	..	..	2.26	2.06	1.80	1.85	1.62	1.55
Former Soviet Union*	3.13	3.40	4.17	x	x	x	x	x	x
Former Yugoslavia*	1.08	1.13	1.55	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>2.87</b>	<b>3.11</b>	<b>3.85</b>	<b>4.45</b>	<b>2.92</b>	<b>3.20</b>	<b>3.38</b>	<b>3.10</b>	<b>3.35</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

### TPES/population (toe per capita)

*ATEP/population (tep par habitant)*

*TPES/Bevölkerung (toe pro Kopf)*

*DTEP/Popolazione (tep per abitante)*

一人当たり一次エネルギー供給 (石油換算トン/人)

*TPES/ población (tep per capita)*

*ОППТЭ / Численность населения (тнэ на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	6.40	8.55	7.84	8.82	9.19	10.35	8.79	8.09	7.75
Islamic Republic of Iran	0.56	0.67	0.99	1.26	1.88	2.47	2.82	2.91	2.82
Iraq	0.39	0.41	0.69	1.04	1.03	0.94	0.93	1.03	1.17
Jordan	0.31	0.36	0.70	1.03	1.01	1.23	1.22	1.26	1.19
Kuwait	7.55	7.65	7.59	4.36	9.69	11.66	10.94	11.40	12.20
Lebanon	0.73	0.89	0.89	0.66	1.31	1.24	1.30	1.57	1.53
Oman	0.30	0.12	0.97	2.26	3.57	4.43	6.03	5.50	7.19
Qatar	7.85	10.16	14.99	13.01	17.62	20.47	15.31	14.62	12.80
Saudi Arabia	1.22	1.09	3.17	3.70	5.05	6.05	5.89	5.89	6.17
Syrian Arab Republic	0.36	0.29	0.50	0.85	0.99	1.12	1.17	1.06	1.06
United Arab Emirates	3.71	3.41	7.12	11.29	11.19	10.62	9.40	8.70	8.27
Yemen	0.12	0.15	0.16	0.21	0.27	0.32	0.32	0.32	0.30
<b>Middle East</b>	<b>0.66</b>	<b>0.73</b>	<b>1.28</b>	<b>1.66</b>	<b>2.22</b>	<b>2.70</b>	<b>2.88</b>	<b>2.92</b>	<b>2.96</b>
<b>Non-OECD Total*</b>	<b>0.69</b>	<b>0.73</b>	<b>0.86</b>	<b>0.97</b>	<b>0.92</b>	<b>1.08</b>	<b>1.18</b>	<b>1.19</b>	<b>1.24</b>
<i>European Union - 27*</i>	..	..	..	3.46	3.49	3.62	3.51	3.31	3.42
OECD Americas	6.15	6.55	6.39	6.07	6.31	6.22	5.97	5.63	5.70
OECD Asia Oceania	2.22	2.55	2.67	3.35	4.18	4.24	4.23	4.12	4.33
OECD Europe*	2.77	3.02	3.15	3.24	3.35	3.44	3.35	3.17	3.29
<b>OECD Total*</b>	<b>3.77</b>	<b>4.08</b>	<b>4.15</b>	<b>4.25</b>	<b>4.59</b>	<b>4.62</b>	<b>4.49</b>	<b>4.27</b>	<b>4.39</b>
<b>World</b>	<b>1.47</b>	<b>1.56</b>	<b>1.63</b>	<b>1.67</b>	<b>1.66</b>	<b>1.79</b>	<b>1.83</b>	<b>1.80</b>	<b>1.86</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Oil supply/GDP (toe per thousand 2005 USD)***Approvisionnement en pétrole/PIB (tep par milliers de USD 2005)**Ölaufkommen/BIP (toe pro tausend 2005er USD)**Disponibilità primaria di petrolio/PIL (tep per migliaia di USD 2005)**石油供給量/GDP (石油換算トン/千米ドル、2005年価格)**Suministro de petróleo/PIB (tep por miles de 2005 USD)**Поставка нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.09	0.09	0.10	0.14	0.12	0.11	0.13	0.14	0.14
Angola	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.10
Benin	0.08	0.10	0.08	0.04	0.14	0.18	0.26	0.27	0.29
Botswana*	..	..	..	0.07	0.07	0.07	0.08	0.08	0.08
Cameroon	0.05	0.05	0.07	0.08	0.07	0.07	0.08	0.10	0.11
Congo	0.12	0.11	0.09	0.06	0.04	0.05	0.07	0.08	0.08
Dem. Rep. of Congo	0.06	0.07	0.07	0.11	0.05	0.06	0.07	0.06	0.07
Côte d'Ivoire	0.10	0.11	0.10	0.08	0.07	0.07	0.07	0.06	0.05
Egypt	0.39	0.40	0.39	0.46	0.30	0.33	0.29	0.28	0.26
Eritrea*	..	..	..	..	0.21	0.24	0.13	0.15	0.14
Ethiopia	0.09	0.08	0.09	0.12	0.12	0.12	0.11	0.10	0.09
Gabon	0.17	0.15	0.13	0.04	0.05	0.07	0.07	0.08	0.08
Ghana	0.15	0.17	0.17	0.18	0.22	0.19	0.20	0.17	0.19
Kenya	0.22	0.19	0.17	0.14	0.14	0.13	0.13	0.16	0.16
Libya	0.02	0.05	0.10	0.24	0.42	0.44	0.37	0.34	0.24
Morocco	0.11	0.14	0.16	0.14	0.15	0.15	0.15	0.15	0.16
Mozambique	0.19	0.17	0.23	0.11	0.11	0.07	0.07	0.08	0.08
Namibia*	..	..	..	..	0.10	0.11	0.11	0.11	0.11
Nigeria	0.04	0.06	0.14	0.16	0.12	0.13	0.08	0.07	0.07
Senegal	0.12	0.14	0.17	0.14	0.17	0.16	0.16	0.16	0.16
South Africa	0.08	0.09	0.07	0.06	0.04	0.07	0.07	0.07	0.05
Sudan	0.20	0.22	0.14	0.15	0.11	0.13	0.12	0.13	0.12
United Rep. of Tanzania	0.18	0.18	0.13	0.09	0.07	0.10	0.09	0.07	0.07
Togo	0.12	0.10	0.09	0.12	0.17	0.15	0.16	0.16	0.16
Tunisia	0.23	0.21	0.25	0.18	0.14	0.13	0.11	0.10	0.10
Zambia	0.12	0.15	0.14	0.12	0.08	0.09	0.07	0.07	0.07
Zimbabwe	0.14	0.16	0.13	0.10	0.12	0.12	0.13	0.13	0.12
Other Africa	0.07	0.08	0.09	0.10	0.10	0.08	0.08	0.08	0.08
<b>Africa</b>	<b>0.09</b>	<b>0.10</b>	<b>0.12</b>	<b>0.14</b>	<b>0.13</b>	<b>0.13</b>	<b>0.13</b>	<b>0.13</b>	<b>0.11</b>
Argentina	0.25	0.25	0.21	0.20	0.14	0.13	0.12	0.12	0.11
Bolivia	0.17	0.17	0.25	0.20	0.21	0.25	0.23	0.22	0.23
Brazil	0.11	0.12	0.11	0.10	0.11	0.10	0.09	0.09	0.10
Colombia	0.15	0.14	0.11	0.10	0.09	0.08	0.08	0.08	0.08
Costa Rica	0.10	0.10	0.10	0.10	0.11	0.09	0.09	0.09	0.09
Cuba	0.35	0.35	0.39	0.27	0.25	0.19	0.15	0.17	0.16
Dominican Republic	0.16	0.19	0.17	0.19	0.22	0.16	0.12	0.12	0.11
Ecuador	0.11	0.10	0.21	0.19	0.23	0.25	0.21	0.22	0.23
El Salvador	0.06	0.07	0.06	0.08	0.12	0.12	0.11	0.11	0.10
Guatemala	0.09	0.09	0.10	0.08	0.12	0.12	0.10	0.11	0.09
Haiti	0.03	0.03	0.04	0.06	0.11	0.16	0.18	0.16	0.16
Honduras	0.14	0.13	0.13	0.13	0.18	0.22	0.21	0.19	0.19
Jamaica	0.24	0.33	0.32	0.27	0.32	0.30	0.32	0.24	0.23
Netherlands Antilles*	..	..	2.86	0.85	0.84	0.78	0.76	0.81	0.63
Nicaragua	0.15	0.16	0.18	0.20	0.28	0.28	0.24	0.26	0.24
Panama	0.27	0.31	0.13	0.11	0.14	0.12	0.11	0.12	0.13
Paraguay	0.11	0.12	0.11	0.12	0.16	0.15	0.14	0.16	0.16
Peru	0.14	0.14	0.14	0.13	0.11	0.09	0.07	0.07	0.07
Trinidad and Tobago	0.17	0.16	0.14	0.15	0.09	0.07	0.07	0.09	0.09
Uruguay	0.20	0.20	0.16	0.11	0.12	0.10	0.12	0.12	0.09
Venezuela	0.13	0.11	0.20	0.18	0.18	0.21	0.20	0.21	0.25
Other Non-OECD Americas	0.33	0.38	0.30	0.17	0.15	0.14	0.14	0.15	0.15
<b>Non-OECD Americas</b>	<b>0.16</b>	<b>0.15</b>	<b>0.15</b>	<b>0.13</b>	<b>0.13</b>	<b>0.12</b>	<b>0.11</b>	<b>0.11</b>	<b>0.12</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Oil supply/GDP (toe per thousand 2005 USD)***Approvisionnement en pétrole/PIB (tep par milliers de USD 2005)**Ölaufkommen/BIP (toe pro tausend 2005er USD)**Disponibilità primaria di petrolio/PIL (tep per migliaia di USD 2005)**石油供給量/GDP (石油換算トン/千米ドル、2005年価格)**Suministro de petróleo/PIB (tep por miles de 2005 USD)**Поставка нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.05	0.06	0.08	0.06	0.07	0.07	0.06	0.06	0.06
Brunei Darussalam	0.02	0.01	0.02	0.01	0.07	0.05	0.08	0.07	0.06
Cambodia*	..	..	..	..	0.17	0.15	0.15	0.15	0.15
Chinese Taipei	0.21	0.23	0.25	0.15	0.13	0.12	0.10	0.10	0.09
India	0.14	0.15	0.16	0.18	0.19	0.15	0.14	0.14	0.13
Indonesia	0.20	0.22	0.25	0.22	0.26	0.23	0.19	0.18	0.18
DPR of Korea	0.11	0.12	0.13	0.07	0.04	0.03	0.03	0.02	0.02
Malaysia	0.29	0.23	0.26	0.21	0.17	0.18	0.16	0.16	0.15
Mongolia*	..	..	..	0.45	0.24	0.22	0.26	0.24	0.24
Myanmar	0.68	0.54	0.46	0.22	0.30	0.15	0.09	0.08	0.07
Nepal	0.02	0.03	0.04	0.06	0.10	0.09	0.08	0.09	0.10
Pakistan	0.15	0.14	0.14	0.18	0.22	0.15	0.16	0.16	0.16
Philippines	0.25	0.26	0.20	0.17	0.19	0.14	0.11	0.10	0.10
Singapore	0.25	0.27	0.22	0.23	0.18	0.13	0.11	0.14	0.15
Sri Lanka	0.19	0.23	0.17	0.11	0.18	0.16	0.13	0.13	0.13
Thailand	0.26	0.29	0.26	0.20	0.23	0.25	0.20	0.22	0.21
Vietnam	0.36	0.42	0.18	0.15	0.21	0.23	0.21	0.23	0.26
Other Asia	0.08	0.11	0.15	0.12	0.10	0.10	0.08	0.09	0.09
<b>Asia</b>	<b>0.18</b>	<b>0.19</b>	<b>0.19</b>	<b>0.17</b>	<b>0.18</b>	<b>0.16</b>	<b>0.14</b>	<b>0.14</b>	<b>0.14</b>
People's Rep. of China	0.31	0.37	0.41	0.23	0.16	0.14	0.11	0.11	0.11
Hong Kong, China	0.13	0.11	0.09	0.03	0.04	0.02	0.02	0.02	0.02
<b>China</b>	<b>0.29</b>	<b>0.33</b>	<b>0.35</b>	<b>0.20</b>	<b>0.15</b>	<b>0.13</b>	<b>0.11</b>	<b>0.10</b>	<b>0.11</b>
Albania	0.29	0.22	0.31	0.22	0.16	0.17	0.13	0.12	0.11
Armenia*	..	..	..	0.90	0.11	0.08	0.06	0.06	0.06
Azerbaijan*	..	..	..	1.00	0.89	0.41	0.16	0.12	0.13
Belarus*	..	..	..	1.25	0.38	0.26	0.21	0.24	0.16
Bosnia and Herzegovina*	..	..	..	0.87	0.14	0.10	0.12	0.12	0.13
Bulgaria	0.92	0.90	0.68	0.38	0.19	0.17	0.13	0.13	0.12
Croatia*	..	..	..	0.11	0.11	0.10	0.09	0.09	0.08
Cyprus	0.23	0.26	0.16	0.13	0.14	0.13	0.13	0.13	0.12
Georgia*	..	..	..	0.47	0.16	0.12	0.11	0.11	0.12
Gibraltar	0.07	0.06	0.07	0.08	0.14	0.14	0.14	0.16	0.16
Kazakhstan*	..	..	..	0.41	0.24	0.16	0.19	0.15	0.22
Kosovo*	..	..	..	..	0.10	0.10	0.10	0.11	0.10
Kyrgyzstan*	..	..	..	0.96	0.20	0.20	0.27	0.39	0.41
Latvia*	..	..	..	0.24	0.11	0.08	0.08	0.08	0.08
Lithuania*	..	..	..	0.27	0.11	0.10	0.09	0.09	0.09
FYR of Macedonia*	..	..	..	0.18	0.17	0.15	0.13	0.14	0.13
Malta	0.24	0.25	0.14	0.15	0.12	0.15	0.12	0.13	0.13
Republic of Moldova*	..	..	..	0.80	0.20	0.22	0.21	0.21	0.22
Montenegro*	..	..	..	..	..	0.04	0.04	0.05	0.05
Romania	0.30	0.29	0.22	0.20	0.13	0.10	0.08	0.08	0.07
Russian Federation*	..	..	..	0.31	0.22	0.17	0.15	0.16	0.15
Serbia*	..	..	..	0.15	0.07	0.17	0.15	0.14	0.14
Tajikistan*	..	..	..	0.47	0.13	0.12	0.18	0.17	0.17
Turkmenistan*	..	..	..	1.09	0.91	0.50	0.41	0.36	0.31
Ukraine*	..	..	..	0.41	0.17	0.17	0.14	0.16	0.15
Uzbekistan*	..	..	..	0.90	0.67	0.37	0.26	0.23	0.19
Former Soviet Union*	0.39	0.41	0.42	x	x	x	x	x	x
Former Yugoslavia*	0.14	0.15	0.15	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>0.37</b>	<b>0.38</b>	<b>0.38</b>	<b>0.34</b>	<b>0.21</b>	<b>0.17</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Oil supply/GDP (toe per thousand 2005 USD)***Approvisionnement en pétrole/PIB (tep par milliers de USD 2005)**Ölaufkommen/BIP (toe pro tausend 2005er USD)**Disponibilità primaria di petrolio/PIL (tep per migliaia di USD 2005)**石油供給量/GDP (石油換算トン/千米ドル、2005年価格)**Suministro de petróleo/PIB (tep por miles de 2005 USD)**Поставка нефти и нефтепродуктов / ВВП (тнэ на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.39	0.42	0.07	0.14	0.09	0.09	0.09	0.09	0.10
Islamic Republic of Iran	0.20	0.20	0.39	0.50	0.47	0.44	0.41	0.42	0.37
Iraq	0.04	0.04	0.06	0.34	0.57	0.79	0.72	0.77	0.89
Jordan	0.22	0.27	0.33	0.56	0.50	0.41	0.27	0.26	0.28
Kuwait	0.04	0.05	0.12	0.11	0.20	0.20	0.19	0.21	0.23
Lebanon	0.12	0.13	0.19	0.19	0.25	0.21	0.20	0.22	0.19
Oman	0.05	0.02	0.12	0.11	0.08	0.08	0.11	0.10	0.15
Qatar	0.01	0.01	0.03	0.04	0.03	0.07	0.04	0.05	0.03
Saudi Arabia	0.08	0.05	0.10	0.19	0.26	0.29	0.27	0.28	0.29
Syrian Arab Republic	0.50	0.38	0.38	0.64	0.46	0.54	0.54	0.43	0.38
United Arab Emirates	0.01	0.01	0.04	0.07	0.05	0.05	0.05	0.05	0.05
Yemen	0.35	0.39	0.25	0.29	0.33	0.39	0.38	0.37	0.30
<b>Middle East</b>	<b>0.10</b>	<b>0.08</b>	<b>0.13</b>	<b>0.25</b>	<b>0.26</b>	<b>0.27</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>
<b>Non-OECD Total*</b>	<b>0.21</b>	<b>0.22</b>	<b>0.23</b>	<b>0.21</b>	<b>0.17</b>	<b>0.16</b>	<b>0.14</b>	<b>0.14</b>	<b>0.13</b>
<i>European Union - 27*</i>	..	..	..	0.06	0.05	0.05	0.04	0.04	0.04
OECD Americas	0.16	0.17	0.14	0.10	0.08	0.08	0.07	0.07	0.07
OECD Asia Oceania	0.12	0.13	0.10	0.07	0.07	0.06	0.05	0.05	0.05
OECD Europe*	0.10	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.04
<b>OECD Total*</b>	<b>0.13</b>	<b>0.13</b>	<b>0.11</b>	<b>0.08</b>	<b>0.07</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>
<b>World</b>	<b>0.14</b>	<b>0.15</b>	<b>0.13</b>	<b>0.10</b>	<b>0.09</b>	<b>0.09</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

## Oil supply/population (toe per capita)

Approvisionnement en pétrole/population (tep par habitant)

Ölaufkommen/Bevölkerung (toe pro Kopf)

Disponibilità primaria di petrolio/popolazione (tep per abitante)

一人当たりの石油供給量(石油換算トン/人)

Suministro de petróleo/población (tep per capita)

Поставка нефти и нефтепродуктов / Численность населения (тнэ на человека)

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.16	0.20	0.28	0.37	0.31	0.33	0.41	0.46	0.47
Angola	0.09	0.12	0.11	0.10	0.10	0.12	0.21	0.23	0.27
Benin	0.03	0.04	0.04	0.02	0.08	0.10	0.15	0.16	0.17
Botswana*	..	..	..	0.24	0.33	0.36	0.46	0.43	0.45
Cameroon	0.03	0.04	0.06	0.08	0.07	0.06	0.08	0.10	0.10
Congo	0.14	0.14	0.13	0.11	0.06	0.09	0.12	0.14	0.15
Dem. Rep. of Congo	0.03	0.03	0.03	0.03	0.01	0.01	0.01	0.01	0.01
Côte d'Ivoire	0.14	0.15	0.14	0.08	0.07	0.07	0.07	0.05	0.05
Egypt	0.17	0.17	0.25	0.40	0.34	0.40	0.41	0.40	0.39
Eritrea*	..	..	..	..	0.05	0.06	0.03	0.03	0.03
Ethiopia	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Gabon	0.94	0.95	1.10	0.31	0.30	0.46	0.46	0.49	0.52
Ghana	0.07	0.08	0.07	0.07	0.09	0.10	0.11	0.10	0.12
Kenya	0.09	0.09	0.09	0.08	0.07	0.07	0.08	0.09	0.09
Libya	0.28	0.73	1.40	1.65	2.74	3.36	3.06	2.82	2.09
Morocco	0.12	0.14	0.21	0.22	0.24	0.29	0.34	0.34	0.37
Mozambique	0.06	0.05	0.05	0.02	0.03	0.02	0.03	0.03	0.03
Namibia*	..	..	..	..	0.31	0.39	0.41	0.43	0.45
Nigeria	0.03	0.04	0.10	0.11	0.08	0.10	0.08	0.07	0.07
Senegal	0.10	0.11	0.12	0.10	0.13	0.13	0.13	0.13	0.13
South Africa	0.38	0.43	0.38	0.29	0.20	0.36	0.42	0.42	0.30
Sudan	0.09	0.09	0.06	0.07	0.07	0.09	0.11	0.11	0.11
United Rep. of Tanzania	0.05	0.05	0.04	0.03	0.02	0.04	0.04	0.03	0.03
Togo	0.05	0.04	0.05	0.05	0.07	0.06	0.06	0.07	0.07
Tunisia	0.22	0.23	0.37	0.37	0.37	0.41	0.40	0.37	0.37
Zambia	0.11	0.15	0.11	0.08	0.05	0.05	0.05	0.05	0.05
Zimbabwe	0.10	0.11	0.08	0.07	0.08	0.06	0.05	0.05	0.05
Other Africa	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<b>Africa</b>	<b>0.09</b>	<b>0.10</b>	<b>0.13</b>	<b>0.14</b>	<b>0.12</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.14</b>
Argentina	1.02	1.00	0.94	0.65	0.64	0.59	0.71	0.67	0.69
Bolivia	0.16	0.18	0.26	0.17	0.21	0.26	0.26	0.26	0.28
Brazil	0.29	0.37	0.46	0.39	0.51	0.47	0.50	0.49	0.54
Colombia	0.27	0.29	0.28	0.30	0.29	0.27	0.29	0.29	0.30
Costa Rica	0.25	0.29	0.32	0.32	0.45	0.41	0.48	0.46	0.46
Cuba	0.74	0.78	1.04	0.99	0.76	0.71	0.72	0.82	0.78
Dominican Republic	0.24	0.34	0.36	0.43	0.74	0.60	0.55	0.53	0.52
Ecuador	0.18	0.19	0.50	0.44	0.52	0.69	0.64	0.67	0.70
El Salvador	0.13	0.16	0.13	0.15	0.30	0.33	0.33	0.32	0.31
Guatemala	0.14	0.15	0.20	0.14	0.25	0.25	0.22	0.25	0.21
Haiti	0.03	0.02	0.04	0.04	0.05	0.07	0.08	0.07	0.07
Honduras	0.14	0.14	0.15	0.15	0.22	0.31	0.33	0.29	0.29
Jamaica	0.91	1.36	0.96	0.95	1.24	1.25	1.39	0.99	0.95
Netherlands Antilles*	33.98	36.47	22.56	7.64	10.92	10.46	10.62	10.76	8.36
Nicaragua	0.20	0.22	0.19	0.14	0.23	0.25	0.24	0.24	0.24
Panama	0.86	1.02	0.45	0.35	0.60	0.58	0.65	0.74	0.81
Paraguay	0.08	0.09	0.15	0.15	0.20	0.19	0.20	0.22	0.24
Peru	0.36	0.36	0.38	0.26	0.29	0.26	0.26	0.23	0.28
Trinidad and Tobago	1.02	1.03	1.26	1.01	0.79	0.86	1.02	1.21	1.24
Uruguay	0.66	0.65	0.68	0.42	0.60	0.54	0.78	0.75	0.62
Venezuela	0.87	0.78	1.31	0.94	0.96	1.15	1.33	1.33	1.53
Other Non-OECD Americas	1.58	1.94	1.88	1.39	1.41	1.40	1.44	1.48	1.50
<b>Non-OECD Americas</b>	<b>0.45</b>	<b>0.49</b>	<b>0.55</b>	<b>0.44</b>	<b>0.50</b>	<b>0.49</b>	<b>0.53</b>	<b>0.53</b>	<b>0.56</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Oil supply/population (toe per capita)***Approvisionnement en pétrole/population (tep par habitant)**Ölaufkommen/Bevölkerung (toe pro Kopf)**Disponibilità primaria di petrolio/popolazione (tep per abitante)**一人当たりの石油供給量 (石油換算トン/人)**Suministro de petróleo/población (tep per capita)**Поставка нефти и нефтепродуктов / Численность населения (тнэ на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Brunei Darussalam	0.49	0.45	0.94	0.33	1.85	1.28	2.06	1.73	1.60
Cambodia*	..	..	..	..	0.06	0.07	0.09	0.09	0.09
Chinese Taipei	0.42	0.60	1.12	1.28	1.73	1.91	1.85	1.76	1.82
India	0.04	0.04	0.05	0.07	0.11	0.12	0.13	0.14	0.14
Indonesia	0.07	0.08	0.13	0.18	0.27	0.29	0.27	0.27	0.28
DPR of Korea	0.06	0.08	0.16	0.13	0.04	0.04	0.04	0.03	0.03
Malaysia	0.40	0.37	0.57	0.62	0.82	0.94	0.93	0.94	0.92
Mongolia*	..	..	..	0.38	0.18	0.22	0.32	0.29	0.30
Myanmar	0.05	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.03
Nepal	0.00	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03
Pakistan	0.05	0.05	0.05	0.09	0.13	0.10	0.12	0.12	0.12
Philippines	0.22	0.24	0.22	0.18	0.21	0.16	0.14	0.13	0.15
Singapore	1.29	1.71	2.13	3.75	4.33	3.81	3.37	4.10	4.96
Sri Lanka	0.08	0.10	0.09	0.08	0.19	0.20	0.19	0.19	0.20
Thailand	0.15	0.18	0.23	0.31	0.50	0.66	0.59	0.61	0.64
Vietnam	0.08	0.08	0.03	0.04	0.10	0.15	0.16	0.19	0.22
Other Asia	0.04	0.06	0.09	0.07	0.08	0.09	0.09	0.10	0.11
<b>Asia</b>	<b>0.07</b>	<b>0.07</b>	<b>0.10</b>	<b>0.12</b>	<b>0.17</b>	<b>0.18</b>	<b>0.19</b>	<b>0.19</b>	<b>0.20</b>
People's Rep. of China	0.05	0.06	0.09	0.11	0.18	0.24	0.27	0.28	0.32
Hong Kong, China	0.72	0.73	0.91	0.57	0.96	0.47	0.55	0.58	0.50
<b>China</b>	<b>0.05</b>	<b>0.06</b>	<b>0.09</b>	<b>0.11</b>	<b>0.18</b>	<b>0.24</b>	<b>0.28</b>	<b>0.29</b>	<b>0.32</b>
Albania	0.40	0.34	0.58	0.37	0.33	0.46	0.41	0.39	0.38
Armenia*	..	..	..	1.03	0.09	0.12	0.13	0.12	0.11
Azerbaijan*	..	..	..	1.66	0.78	0.64	0.46	0.37	0.41
Belarus*	..	..	..	2.90	0.79	0.79	0.86	1.01	0.74
Bosnia and Herzegovina*	..	..	..	0.47	0.31	0.30	0.39	0.40	0.44
Bulgaria	1.16	1.31	1.51	1.08	0.52	0.63	0.61	0.56	0.51
Croatia*	..	..	..	1.00	0.88	1.01	1.00	0.98	0.83
Cyprus	0.93	1.22	1.67	2.23	2.98	2.84	3.11	3.03	2.88
Georgia*	..	..	..	1.16	0.16	0.17	0.20	0.20	0.21
Gibraltar	1.25	1.17	1.34	2.09	4.41	4.77	5.08	5.22	5.51
Kazakhstan*	..	..	..	1.26	0.56	0.61	0.85	0.68	1.05
Kosovo*	..	..	..	..	0.15	0.21	0.25	0.27	0.26
Kyrgyzstan*	..	..	..	0.67	0.08	0.10	0.16	0.23	0.23
Latvia*	..	..	..	1.29	0.48	0.57	0.64	0.53	0.52
Lithuania*	..	..	..	1.82	0.58	0.77	0.85	0.72	0.74
FYR of Macedonia*	..	..	..	0.58	0.47	0.45	0.46	0.47	0.45
Malta	0.65	0.79	0.87	1.42	1.73	2.18	2.03	1.96	2.03
Republic of Moldova*	..	..	..	1.30	0.12	0.18	0.21	0.19	0.22
Montenegro*	..	..	..	..	..	0.14	0.20	0.22	0.22
Romania	0.55	0.64	0.82	0.78	0.43	0.45	0.46	0.40	0.40
Russian Federation*	..	..	..	1.78	0.86	0.90	1.01	0.97	0.98
Serbia*	..	..	..	0.51	0.15	0.59	0.58	0.54	0.54
Tajikistan*	..	..	..	0.33	0.03	0.04	0.07	0.08	0.08
Turkmenistan*	..	..	..	1.47	0.76	0.85	0.96	0.88	0.83
Ukraine*	..	..	..	1.09	0.20	0.31	0.32	0.30	0.29
Uzbekistan*	..	..	..	0.49	0.30	0.20	0.17	0.16	0.14
Former Soviet Union*	1.03	1.20	1.56	x	x	x	x	x	x
Former Yugoslavia*	0.44	0.50	0.73	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>0.96</b>	<b>1.11</b>	<b>1.44</b>	<b>1.36</b>	<b>0.58</b>	<b>0.63</b>	<b>0.69</b>	<b>0.65</b>	<b>0.66</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Oil supply/population (toe per capita)***Approvisionnement en pétrole/population (tep par habitant)**Ölaufkommen/Bevölkerung (toe pro Kopf)**Disponibilità primaria di petrolio/popolazione (tep per abitante)**一人当たりの石油供給量 (石油換算トン/人)**Suministro de petróleo/población (tep per capita)**Поставка нефти и нефтепродуктов / Численность населения (тнэ на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	2.95	2.91	1.04	1.62	1.40	1.73	1.39	1.34	1.33
Islamic Republic of Iran	0.46	0.53	0.84	0.92	1.05	1.22	1.27	1.31	1.14
Iraq	0.32	0.32	0.61	0.94	0.93	0.87	0.82	0.88	1.01
Jordan	0.31	0.36	0.70	0.98	0.95	0.95	0.73	0.71	0.77
Kuwait	2.30	2.31	3.50	2.00	5.65	7.22	6.87	7.58	7.82
Lebanon	0.66	0.84	0.82	0.61	1.20	1.14	1.21	1.47	1.35
Oman	0.30	0.12	0.71	0.95	0.95	1.05	1.70	1.50	2.28
Qatar	0.86	1.01	2.18	1.29	1.60	3.55	2.30	2.40	1.36
Saudi Arabia	1.03	0.86	2.24	2.39	3.35	3.74	3.56	3.60	3.75
Syrian Arab Republic	0.36	0.29	0.47	0.72	0.66	0.84	0.91	0.76	0.67
United Arab Emirates	0.50	0.67	3.06	3.46	2.13	2.18	1.67	1.62	1.53
Yemen	0.11	0.14	0.15	0.20	0.26	0.31	0.31	0.31	0.26
<b>Middle East</b>	<b>0.48</b>	<b>0.50</b>	<b>0.93</b>	<b>1.08</b>	<b>1.27</b>	<b>1.45</b>	<b>1.44</b>	<b>1.47</b>	<b>1.44</b>
<b>Non-OECD Total*</b>	<b>0.20</b>	<b>0.22</b>	<b>0.28</b>	<b>0.28</b>	<b>0.26</b>	<b>0.29</b>	<b>0.31</b>	<b>0.31</b>	<b>0.32</b>
<i>European Union - 27*</i>	..	..	..	1.27	1.28	1.28	1.21	1.14	1.13
OECD Americas	2.85	3.14	2.90	2.47	2.48	2.54	2.30	2.15	2.14
OECD Asia Oceania	1.55	1.85	1.71	1.79	1.99	1.87	1.72	1.65	1.68
OECD Europe*	1.43	1.61	1.45	1.21	1.25	1.23	1.16	1.10	1.09
<b>OECD Total*</b>	<b>1.91</b>	<b>2.15</b>	<b>1.99</b>	<b>1.76</b>	<b>1.84</b>	<b>1.83</b>	<b>1.69</b>	<b>1.59</b>	<b>1.59</b>
<b>World</b>	<b>0.65</b>	<b>0.72</b>	<b>0.70</b>	<b>0.61</b>	<b>0.60</b>	<b>0.62</b>	<b>0.61</b>	<b>0.59</b>	<b>0.60</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.



**Electricity consumption/GDP (kWh per 2005 USD)***Consommation d'électricité/PIB (kWh par USD 2005)**Elektrizitätsverbrauch/BIP (kWh pro 2005 USD)**Consumo finale di energia elettrica/PIL (kWh per USD 2005)**電力消費量/GDP (kWh/米ドル、2005年価格)**Consumo de electricidad/PIB (kWh por 2005 USD)**Потребление электроэнергии / ВВП (КВт.ч на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	0.08	0.07	0.12	0.20	0.26	0.29	0.30	0.27	0.31
Angola	0.04	0.05	0.04	0.04	0.07	0.07	0.07	0.08	0.09
Benin	0.02	0.04	0.06	0.08	0.11	0.14	0.15	0.15	0.17
Botswana*	..	..	..	0.22	0.20	0.26	0.25	0.27	0.27
Cameroon	0.21	0.21	0.15	0.19	0.20	0.20	0.28	0.28	0.28
Congo	0.05	0.05	0.05	0.09	0.06	0.07	0.08	0.08	0.08
Dem. Rep. of Congo	0.35	0.35	0.42	0.44	0.78	0.69	0.73	0.77	0.68
Côte d'Ivoire	0.07	0.08	0.12	0.15	0.18	0.19	0.22	0.23	0.23
Egypt	0.45	0.45	0.57	0.77	0.89	1.06	1.06	1.07	1.08
Eritrea*	..	..	..	..	0.18	0.22	0.24	0.23	0.24
Ethiopia	0.10	0.10	0.11	0.16	0.17	0.21	0.20	0.20	0.23
Gabon	0.04	0.04	0.09	0.13	0.14	0.15	0.16	0.16	0.15
Ghana	0.61	0.81	1.03	0.87	0.76	0.50	0.47	0.48	0.49
Kenya	0.18	0.17	0.20	0.23	0.22	0.26	0.26	0.26	0.27
Libya	0.01	0.03	0.08	0.23	0.35	0.45	0.48	0.50	0.50
Morocco	0.13	0.15	0.19	0.24	0.30	0.32	0.33	0.33	0.33
Mozambique	0.16	0.18	0.17	0.21	0.51	1.40	1.26	1.19	1.11
Namibia*	..	..	..	..	0.39	0.41	0.45	0.42	0.38
Nigeria	0.04	0.05	0.09	0.13	0.11	0.16	0.14	0.13	0.14
Senegal	0.10	0.11	0.15	0.15	0.15	0.20	0.20	0.24	0.24
South Africa	0.46	0.51	0.68	0.91	1.01	0.90	0.84	0.82	0.83
Sudan	0.05	0.08	0.07	0.11	0.10	0.11	0.12	0.15	0.16
United Rep. of Tanzania	0.11	0.12	0.13	0.17	0.20	0.19	0.21	0.18	0.18
Togo	0.15	0.13	0.12	0.22	0.25	0.29	0.28	0.28	0.28
Tunisia	0.15	0.17	0.27	0.32	0.36	0.34	0.33	0.34	0.35
Zambia	1.06	1.14	1.27	1.15	1.10	1.14	0.89	0.83	0.82
Zimbabwe	0.96	1.20	1.50	1.26	1.28	2.24	2.86	2.71	2.50
Other Africa	0.08	0.09	0.12	0.15	0.20	0.17	0.16	0.16	0.16
<b>Africa</b>	<b>0.24</b>	<b>0.27</b>	<b>0.34</b>	<b>0.46</b>	<b>0.51</b>	<b>0.51</b>	<b>0.49</b>	<b>0.48</b>	<b>0.48</b>
Argentina	0.22	0.24	0.28	0.40	0.46	0.51	0.48	0.48	0.46
Bolivia	0.19	0.18	0.25	0.32	0.43	0.46	0.47	0.48	0.51
Brazil	0.18	0.18	0.24	0.36	0.43	0.43	0.42	0.42	0.43
Colombia	0.22	0.21	0.26	0.31	0.27	0.26	0.25	0.27	0.26
Costa Rica	0.24	0.24	0.29	0.34	0.37	0.37	0.35	0.35	0.35
Cuba	0.24	0.25	0.32	0.33	0.37	0.31	0.28	0.28	0.27
Dominican Republic	0.15	0.22	0.20	0.18	0.22	0.35	0.31	0.30	0.30
Ecuador	0.09	0.09	0.15	0.21	0.29	0.28	0.36	0.37	0.35
El Salvador	0.08	0.09	0.12	0.19	0.24	0.27	0.28	0.29	0.29
Guatemala	0.08	0.08	0.12	0.12	0.16	0.22	0.24	0.24	0.25
Haiti	0.02	0.03	0.04	0.08	0.07	0.08	0.05	0.08	0.06
Honduras	0.13	0.14	0.18	0.32	0.41	0.44	0.45	0.45	0.44
Jamaica	0.21	0.24	0.22	0.25	0.60	0.59	0.46	0.46	0.30
Netherlands Antilles*	..	..	0.53	0.40	0.42	0.42	0.38	0.41	0.40
Nicaragua	0.16	0.16	0.25	0.43	0.42	0.46	0.48	0.51	0.47
Panama	0.17	0.19	0.23	0.27	0.31	0.31	0.27	0.28	0.29
Paraguay	0.11	0.13	0.18	0.39	0.71	0.67	0.71	0.79	0.75
Peru	0.16	0.16	0.18	0.27	0.27	0.29	0.29	0.29	0.29
Trinidad and Tobago	0.16	0.17	0.20	0.41	0.47	0.42	0.39	0.40	0.42
Uruguay	0.23	0.22	0.24	0.31	0.39	0.38	0.41	0.41	0.39
Venezuela	0.17	0.18	0.32	0.47	0.50	0.53	0.47	0.49	0.54
Other Non-OECD Americas	0.25	0.27	1.01	0.91	1.00	1.01	0.88	0.96	0.95
<b>Non-OECD Americas</b>	<b>0.18</b>	<b>0.19</b>	<b>0.26</b>	<b>0.36</b>	<b>0.42</b>	<b>0.42</b>	<b>0.41</b>	<b>0.41</b>	<b>0.41</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption/GDP (kWh per 2005 USD)***Consommation d'électricité/PIB (kWh par USD 2005)**Elektrizitätsverbrauch/BIP (kWh pro 2005 USD)**Consumo finale di energia elettrica/PIL (kWh per USD 2005)**電力消費量/GDP (kWh/米ドル、2005年価格)**Consumo de electricidad/PIB (kWh por 2005 USD)**Потребление электроэнергии / ВВП (КВт.ч на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	0.04	0.07	0.08	0.18	0.29	0.41	0.46	0.48	0.51
Brunei Darussalam	0.06	0.05	0.04	0.16	0.29	0.33	0.33	0.35	0.35
Cambodia*	..	..	..	..	0.10	0.14	0.19	0.22	0.24
Chinese Taipei	0.47	0.47	0.50	0.51	0.58	0.60	0.56	0.55	0.53
India	0.36	0.38	0.48	0.67	0.68	0.62	0.63	0.62	0.61
Indonesia	0.04	0.04	0.08	0.20	0.36	0.40	0.40	0.40	0.41
DPR of Korea	1.70	1.49	0.90	0.61	0.57	0.65	0.67	0.59	0.66
Malaysia	0.23	0.23	0.29	0.38	0.58	0.54	0.55	0.68	0.68
Mongolia*	..	..	..	1.83	1.40	1.29	1.18	1.18	1.22
Myanmar	0.29	0.34	0.40	0.55	0.54	0.31	0.30	0.30	0.36
Nepal	0.03	0.03	0.07	0.16	0.20	0.24	0.24	0.27	0.28
Pakistan	0.28	0.29	0.33	0.51	0.60	0.65	0.58	0.59	0.59
Philippines	0.28	0.35	0.34	0.36	0.47	0.48	0.44	0.45	0.46
Singapore	0.22	0.25	0.28	0.31	0.31	0.29	0.27	0.26	0.25
Sri Lanka	0.14	0.16	0.18	0.22	0.28	0.32	0.26	0.27	0.28
Thailand	0.20	0.25	0.33	0.45	0.66	0.71	0.70	0.72	0.74
Vietnam	0.19	0.21	0.29	0.36	0.62	0.90	1.05	1.13	1.21
Other Asia	0.14	0.21	0.34	0.27	0.31	0.31	0.30	0.31	0.31
<b>Asia</b>	<b>0.30</b>	<b>0.32</b>	<b>0.37</b>	<b>0.47</b>	<b>0.56</b>	<b>0.56</b>	<b>0.55</b>	<b>0.56</b>	<b>0.56</b>
People's Rep. of China	1.00	1.08	1.28	1.10	0.89	1.03	1.02	1.01	1.03
Hong Kong, China	0.24	0.21	0.21	0.24	0.25	0.23	0.20	0.21	0.19
<b>China</b>	<b>0.89</b>	<b>0.93</b>	<b>1.07</b>	<b>0.97</b>	<b>0.83</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>	<b>0.98</b>
Albania	0.39	0.38	0.62	0.31	0.69	0.62	0.48	0.52	0.53
Armenia*	..	..	..	2.37	1.45	0.93	0.72	0.83	0.84
Azerbaijan*	..	..	..	1.55	2.33	1.53	0.72	0.54	0.51
Belarus*	..	..	..	1.88	1.42	1.04	0.83	0.79	0.79
Bosnia and Herzegovina*	..	..	..	5.69	0.90	0.84	0.87	0.86	0.93
Bulgaria	1.83	1.86	1.79	1.66	1.36	1.10	1.01	1.02	1.02
Croatia*	..	..	..	0.34	0.35	0.34	0.34	0.35	0.36
Cyprus	0.24	0.26	0.18	0.19	0.22	0.25	0.26	0.27	0.27
Georgia*	..	..	..	1.22	1.43	1.17	0.90	0.90	0.94
Gibraltar	0.10	0.09	0.09	0.10	0.14	0.14	0.15	0.17	0.17
Kazakhstan*	..	..	..	1.92	1.35	1.06	1.03	0.99	1.00
Kosovo*	..	..	..	..	1.00	0.99	1.02	0.97	0.98
Kyrgyzstan*	..	..	..	3.34	4.58	3.85	2.56	2.43	2.47
Latvia*	..	..	..	0.63	0.46	0.39	0.37	0.42	0.44
Lithuania*	..	..	..	0.60	0.49	0.41	0.38	0.42	0.39
FYR of Macedonia*	..	..	..	0.88	1.06	1.16	1.09	1.02	1.05
Malta	0.34	0.36	0.23	0.29	0.30	0.33	0.30	0.28	0.26
Republic of Moldova*	..	..	..	2.01	1.72	1.85	1.36	1.09	1.07
Montenegro*	..	..	..	..	..	1.77	1.39	1.16	1.25
Romania	0.88	0.86	0.77	0.76	0.60	0.51	0.43	0.43	0.45
Russian Federation*	..	..	..	1.17	1.34	1.08	0.97	1.00	1.01
Serbia*	..	..	..	1.00	1.62	1.16	1.10	1.12	1.14
Tajikistan*	..	..	..	4.73	9.41	6.31	4.98	4.38	4.33
Turkmenistan*	..	..	..	1.71	2.04	1.20	0.99	0.96	0.90
Ukraine*	..	..	..	1.81	2.29	1.78	1.60	1.71	1.80
Uzbekistan*	..	..	..	4.36	3.99	3.13	2.45	2.30	2.19
Former Soviet Union*	1.13	1.13	1.19	x	x	x	x	x	x
Former Yugoslavia*	0.40	0.45	0.50	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>1.06</b>	<b>1.06</b>	<b>1.10</b>	<b>1.26</b>	<b>1.31</b>	<b>1.06</b>	<b>0.94</b>	<b>0.96</b>	<b>0.97</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption/GDP (kWh per 2005 USD)***Consommation d'électricité/PIB (kWh par USD 2005)**Elektrizitätsverbrauch/BIP (kWh pro 2005 USD)**Consumo finale di energia elettrica/PIL (kWh per USD 2005)**電力消費量/GDP (kWh/米ドル、2005年価格)**Consumo de electricidad/PIB (kWh por 2005 USD)**Потребление электроэнергии / ВВП (КВт.ч на тыс.долл.США 2005 г.)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	0.26	0.31	0.33	0.55	0.57	0.63	0.62	0.63	0.70
Islamic Republic of Iran	0.12	0.14	0.25	0.52	0.69	0.76	0.78	0.80	0.86
Iraq	0.03	0.04	0.07	0.44	0.71	0.72	0.62	0.90	1.03
Jordan	0.10	0.15	0.19	0.59	0.71	0.72	0.76	0.77	0.80
Kuwait	0.05	0.07	0.21	0.47	0.53	0.48	0.49	0.48	0.54
Lebanon	0.09	0.10	0.21	0.15	0.54	0.52	0.47	0.47	0.50
Oman	0.00	0.01	0.10	0.24	0.28	0.33	0.34	0.38	0.39
Qatar	0.02	0.02	0.12	0.31	0.29	0.31	0.27	0.28	0.28
Saudi Arabia	0.03	0.02	0.09	0.33	0.45	0.50	0.54	0.57	0.61
Syrian Arab Republic	0.24	0.24	0.29	0.62	0.77	0.95	0.96	0.91	1.06
United Arab Emirates	0.01	0.02	0.07	0.18	0.28	0.31	0.35	0.37	0.39
Yemen	0.11	0.09	0.10	0.18	0.17	0.22	0.27	0.26	0.29
<b>Middle East</b>	<b>0.06</b>	<b>0.06</b>	<b>0.12</b>	<b>0.36</b>	<b>0.48</b>	<b>0.52</b>	<b>0.54</b>	<b>0.56</b>	<b>0.60</b>
<b>Non-OECD Total*</b>	<b>0.49</b>	<b>0.50</b>	<b>0.55</b>	<b>0.69</b>	<b>0.67</b>	<b>0.69</b>	<b>0.69</b>	<b>0.69</b>	<b>0.71</b>
<i>European Union - 27*</i>	..	..	..	0.24	0.23	0.23	0.22	0.22	0.22
OECD Americas	0.36	0.37	0.38	0.37	0.35	0.33	0.32	0.32	0.32
OECD Asia Oceania	0.22	0.23	0.24	0.23	0.27	0.27	0.26	0.27	0.28
OECD Europe*	0.21	0.22	0.23	0.24	0.23	0.23	0.22	0.22	0.22
<b>OECD Total*</b>	<b>0.26</b>	<b>0.27</b>	<b>0.29</b>	<b>0.29</b>	<b>0.28</b>	<b>0.28</b>	<b>0.27</b>	<b>0.27</b>	<b>0.27</b>
<b>World</b>	<b>0.30</b>	<b>0.31</b>	<b>0.34</b>	<b>0.36</b>	<b>0.36</b>	<b>0.37</b>	<b>0.37</b>	<b>0.38</b>	<b>0.39</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption/population (kWh per capita)***Consommation d'électricité/population (kWh par habitant)**Elektrizitätsverbrauch/Bevölkerung (kWh pro Kopf)**Consumo finale di energia elettrica/popolazione (KWh per abitante)**一人当たり電力消費量 (kWh/人)**Consumo de electricidad/población (kWh per capita)**Потребление электроэнергии / Численность населения (КВт.ч на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Algeria	141	166	338	541	695	898	956	867	1 026
Angola	92	117	66	61	89	129	207	230	248
Benin	11	19	29	36	61	77	90	91	99
Botswana*	..	..	..	716	906	1 421	1 512	1 508	1 586
Cameroon	145	146	148	193	173	188	274	273	271
Congo	56	62	82	172	95	120	142	152	145
Dem. Rep. of Congo	160	165	147	124	92	85	98	104	95
Côte d'Ivoire	91	108	173	153	173	175	202	210	210
Egypt	196	190	368	669	994	1 284	1 484	1 549	1 608
Eritrea*	..	..	..	..	47	54	49	51	52
Ethiopia	17	16	17	21	23	34	43	45	54
Gabon	207	287	770	940	875	920	1 037	1 029	1 005
Ghana	310	389	421	323	330	247	267	276	298
Kenya	78	85	105	125	113	137	149	147	156
Libya	191	398	1 177	1 614	2 276	3 413	4 001	4 170	4 270
Morocco	130	157	242	360	490	636	742	754	781
Mozambique	49	55	36	40	122	445	462	453	444
Namibia*	..	..	..	..	1 179	1 416	1 740	1 576	1 479
Nigeria	28	34	66	85	74	128	127	121	136
Senegal	77	83	106	108	106	163	164	196	195
South Africa	2 246	2 531	3 644	4 431	4 681	4 704	4 934	4 666	4 803
Sudan	25	30	35	48	63	79	104	133	141
United Rep. of Tanzania	30	34	37	51	58	70	84	75	78
Togo	65	56	64	94	98	114	110	111	113
Tunisia	154	192	402	638	991	1 092	1 199	1 285	1 350
Zambia	1 031	1 130	1 051	779	610	717	612	591	623
Zimbabwe	661	860	960	862	853	995	1 023	1 026	1 022
Other Africa	36	42	54	61	78	81	83	82	82
<b>Africa</b>	<b>230</b>	<b>260</b>	<b>363</b>	<b>449</b>	<b>498</b>	<b>550</b>	<b>584</b>	<b>571</b>	<b>591</b>
Argentina	870	956	1 233	1 303	2 085	2 422	2 801	2 759	2 904
Bolivia	176	183	264	274	421	477	539	558	616
Brazil	455	549	1 008	1 454	1 901	2 017	2 236	2 205	2 384
Colombia	416	434	638	869	843	901	972	1 045	1 012
Costa Rica	616	690	950	1 089	1 524	1 712	1 865	1 817	1 855
Cuba	507	548	843	1 215	1 140	1 156	1 320	1 330	1 299
Dominican Republic	230	400	442	388	728	1 276	1 393	1 358	1 442
Ecuador	147	166	361	479	652	780	1 091	1 115	1 055
El Salvador	167	200	270	348	610	757	864	845	855
Guatemala	119	144	242	208	343	477	543	548	567
Haiti	12	20	41	58	35	37	24	36	24
Honduras	128	146	214	373	516	621	709	675	671
Jamaica	819	1 007	670	879	2 334	2 478	1 990	1 904	1 222
Netherlands Antilles*	3 745	4 012	4 149	3 550	5 392	5 634	5 349	5 505	5 388
Nicaragua	226	223	260	310	345	414	474	479	473
Panama	529	636	783	852	1 298	1 497	1 661	1 750	1 832
Paraguay	81	104	241	502	881	849	1 003	1 056	1 134
Peru	399	420	505	550	682	839	1 046	1 049	1 106
Trinidad and Tobago	1 013	1 114	1 888	2 698	3 916	5 071	5 646	5 663	5 896
Uruguay	732	705	1 004	1 245	2 043	2 011	2 599	2 674	2 763
Venezuela	1 117	1 223	2 039	2 463	2 655	2 875	3 092	3 053	3 287
Other Non-OECD Americas	1 202	1 380	6 388	7 363	9 290	9 809	9 308	9 289	9 412
<b>Non-OECD Americas</b>	<b>497</b>	<b>567</b>	<b>944</b>	<b>1 225</b>	<b>1 573</b>	<b>1 716</b>	<b>1 901</b>	<b>1 888</b>	<b>1 992</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption/population (kWh per capita)***Consommation d'électricité/population (kWh par habitant)**Elektrizitätsverbrauch/Bevölkerung (kWh pro Kopf)**Consumo finale di energia elettrica/popolazione (KWh per abitante)**一人当たり電力消費量 (kWh/人)**Consumo de electricidad/población (kWh per capita)**Потребление электроэнергии / Численность населения (КВт.ч на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bangladesh	10	15	19	49	103	175	229	252	279
Brunei Darussalam	1 817	1 632	1 735	4 440	7 688	8 675	8 465	8 658	8 757
Cambodia*	..	..	..	..	32	66	115	129	146
Chinese Taipei	973	1 218	2 231	4 184	7 941	9 617	10 023	9 588	10 237
India	99	102	142	276	401	475	581	617	644
Indonesia	14	15	45	160	387	498	572	597	641
DPR of Korea	919	975	1 114	1 247	713	812	810	733	749
Malaysia	310	370	657	1 146	2 721	2 829	3 254	3 912	4 117
Mongolia*	..	..	..	1 539	1 070	1 278	1 459	1 410	1 530
Myanmar	21	24	35	46	78	79	99	105	131
Nepal	6	6	12	35	58	73	77	89	93
Pakistan	91	99	132	267	357	448	433	449	457
Philippines	238	325	376	363	504	582	589	593	643
Singapore	1 155	1 599	2 718	4 983	7 575	8 507	8 186	7 789	8 306
Sri Lanka	57	66	94	151	295	394	379	408	445
Thailand	120	161	290	703	1 443	1 878	2 052	2 045	2 243
Vietnam	41	40	55	98	295	580	813	917	1 035
Other Asia	77	114	205	163	256	301	350	367	382
<b>Asia</b>	<b>110</b>	<b>125</b>	<b>182</b>	<b>328</b>	<b>527</b>	<b>639</b>	<b>729</b>	<b>760</b>	<b>806</b>
People's Rep. of China	151	174	282	511	993	1 784	2 458	2 633	2 942
Hong Kong, China	1 298	1 416	2 157	4 178	5 447	5 879	5 866	5 924	5 923
<b>China</b>	<b>157</b>	<b>180</b>	<b>291</b>	<b>529</b>	<b>1 017</b>	<b>1 805</b>	<b>2 475</b>	<b>2 650</b>	<b>2 958</b>
Albania	532	594	1 143	522	1 445	1 651	1 499	1 685	1 771
Armenia*	..	..	..	2 717	1 295	1 479	1 576	1 550	1 606
Azerbaijan*	..	..	..	2 584	2 040	2 407	2 041	1 621	1 605
Belarus*	..	..	..	4 381	2 989	3 208	3 455	3 299	3 563
Bosnia and Herzegovina*	..	..	..	3 044	2 062	2 380	2 971	2 867	3 110
Bulgaria	2 293	2 683	3 973	4 759	3 724	4 122	4 595	4 401	4 471
Croatia*	..	..	..	2 991	2 840	3 476	3 878	3 712	3 808
Cyprus	992	1 219	1 891	3 212	4 612	5 625	6 242	6 329	6 426
Georgia*	..	..	..	3 039	1 453	1 715	1 652	1 585	1 743
Gibraltar	1 731	1 808	1 857	2 643	4 310	4 677	5 355	5 613	5 710
Kazakhstan*	..	..	..	5 905	3 169	4 012	4 689	4 494	4 730
Kosovo*	..	..	..	..	1 557	2 094	2 574	2 496	2 592
Kyrgyzstan*	..	..	..	2 314	1 904	1 842	1 449	1 402	1 396
Latvia*	..	..	..	3 387	2 078	2 702	3 087	2 875	3 021
Lithuania*	..	..	..	4 023	2 517	3 102	3 556	3 431	3 237
FYR of Macedonia*	..	..	..	2 789	2 933	3 411	3 702	3 441	3 590
Malta	941	1 134	1 448	2 778	4 313	4 911	4 806	4 429	4 182
Republic of Moldova*	..	..	..	3 235	1 005	1 534	1 328	997	1 049
Montenegro*	..	..	..	..	..	6 368	6 391	5 046	5 552
Romania	1 631	1 908	2 877	2 924	1 988	2 331	2 488	2 267	2 392
Russian Federation*	..	..	..	6 673	5 209	5 785	6 435	6 136	6 460
Serbia*	..	..	..	3 499	3 195	3 922	4 292	4 224	4 358
Tajikistan*	..	..	..	3 346	2 177	2 262	2 117	1 984	2 004
Turkmenistan*	..	..	..	2 293	1 698	2 055	2 325	2 367	2 403
Ukraine*	..	..	..	4 787	2 778	3 246	3 534	3 228	3 550
Uzbekistan*	..	..	..	2 383	1 780	1 711	1 646	1 638	1 672
Former Soviet Union*	2 980	3 330	4 395	x	x	x	x	x	x
Former Yugoslavia*	1 290	1 520	2 472	x	x	x	x	x	x
<b>Non-OECD Europe and Eurasia*</b>	<b>2 728</b>	<b>3 064</b>	<b>4 115</b>	<b>4 987</b>	<b>3 615</b>	<b>4 065</b>	<b>4 432</b>	<b>4 196</b>	<b>4 414</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

**Electricity consumption/population (kWh per capita)***Consommation d'électricité/population (kWh par habitant)**Elektrizitätsverbrauch/Bevölkerung (kWh pro Kopf)**Consumo finale di energia elettrica/popolazione (KWh per abitante)**一人当たり電力消費量 (kWh/人)**Consumo de electricidad/población (kWh per capita)**Потребление электроэнергии / Численность населения (КВт.ч на человека)*

	1971	1973	1980	1990	2000	2005	2008	2009	2010
Bahrain	1 955	2 101	4 637	6 572	8 997	11 663	9 690	9 211	9 813
Islamic Republic of Iran	273	382	539	967	1 553	2 080	2 417	2 499	2 652
Iraq	252	297	769	1 206	1 161	791	709	1 040	1 172
Jordan	151	200	399	1 050	1 377	1 681	2 093	2 112	2 226
Kuwait	2 975	3 608	6 028	8 252	14 821	17 123	17 753	17 612	18 318
Lebanon	489	605	908	475	2 611	2 789	2 937	3 130	3 569
Oman	15	50	610	2 122	3 208	4 239	5 110	5 599	5 934
Qatar	2 669	2 979	9 788	9 637	14 384	16 294	14 388	14 419	14 995
Saudi Arabia	328	420	1 949	4 041	5 840	6 553	7 127	7 427	7 967
Syrian Arab Republic	176	182	357	696	1 093	1 488	1 640	1 604	1 905
United Arab Emirates	692	1 752	5 773	8 592	12 724	13 827	11 841	11 121	11 044
Yemen	34	32	63	123	139	179	223	219	249
<b>Middle East</b>	<b>290</b>	<b>381</b>	<b>866</b>	<b>1 577</b>	<b>2 313</b>	<b>2 782</b>	<b>3 110</b>	<b>3 252</b>	<b>3 493</b>
<b>Non-OECD Total*</b>	<b>447</b>	<b>498</b>	<b>685</b>	<b>895</b>	<b>1 008</b>	<b>1 296</b>	<b>1 539</b>	<b>1 576</b>	<b>1 697</b>
<i>European Union - 27*</i>	..	..	..	5 184	5 862	6 309	6 389	6 050	6 293
OECD Americas	6 211	7 010	7 976	9 367	10 767	10 845	10 787	10 191	10 524
OECD Asia Oceania	2 800	3 296	3 977	5 727	7 673	8 306	8 504	8 357	8 881
OECD Europe*	2 933	3 332	4 074	5 037	5 785	6 188	6 294	5 969	6 218
<b>OECD Total*</b>	<b>3 970</b>	<b>4 521</b>	<b>5 367</b>	<b>6 677</b>	<b>7 964</b>	<b>8 308</b>	<b>8 377</b>	<b>7 983</b>	<b>8 315</b>
<b>World</b>	<b>1 285</b>	<b>1 440</b>	<b>1 720</b>	<b>2 062</b>	<b>2 327</b>	<b>2 593</b>	<b>2 787</b>	<b>2 739</b>	<b>2 892</b>

\*For data availability across time series, for regions, see Part I.4 and for countries, see Part I.5.

# MULTILINGUAL GLOSSARIES

## English

coal and peat  
 crude oil and NGL  
 oil products  
 natural gas  
 nuclear energy  
 hydro energy  
 geothermal energy  
 solar energy  
 wind energy  
 tide energy  
 biofuels and waste  
 electricity  
 heat  
 total energy

## Français

charbon et tourbe  
 pétrole brut et LGN  
 produits pétroliers  
 gaz naturel  
 énergie nucléaire  
 énergie hydraulique  
 énergie géothermique  
 énergie d'origine solaire  
 énergie d'origine éolienne  
 énergie des marées  
 biocarburants et déchets  
 électricité  
 chaleur  
 énergie totale

## Deutsch

Kohle und Torf  
 Rohöl und Kondensate  
 Ölprodukte  
 Erdgas  
 Kernenergie  
 Wasserkraft  
 Geothermischer Energie  
 Sonnenenergie  
 Windenergie  
 Gezeitenenergie  
 Biokraftstoffe und Abfälle  
 Elektrizität  
 Wärme  
 Total Energie



## Français

## Deutsch

1	Production	Produktion
2	Importations	Importe
3	Exportations	Exporte
4	Soutes maritimes internationales	Bunkerbestände der internationalen Seeschifffahrt
5	Soutes aériennes internationales	Bunkerbestände der internationalen Luftfahrt
6	Variation des stocks	Bestandsveränderungen
<b>7</b>	<b>APPROV. TOTAUX EN ENERGIE PRIMAIRE</b>	<b>GESAMTENERGIEAUFKOMMEN</b>
8	Transferts	Transfer
9	Ecart statistique	Statistische Differenzen
10	Centrales électriques	Elektrizitätswerke
11	Centrales de cogénération	Elektrizitäts- und Heizkraftwerke
12	Centrales calogènes	Heizkraftwerke
13	Hauts fourneaux	Hochöfen
14	Usines à gaz	Ortsgas
15	Cokeries/usines d'agglomérés/usines de briquettes de lignite	Koks- und Brikettfabriken
16	Raffineries de pétrole	Ölraffinerien
17	Usines pétrochimiques	Petrochemische Werke
18	Unités de liquéfaction	Verflüssigung
19	Autres transformations	Sonst. Umwandlungsbereich
20	Consommation propre de l'industrie énergétique	Energieindustrie Eigener Verbrauch
21	Pertes	Verluste
<b>22</b>	<b>CONSOMMATION FINALE TOTALE</b>	<b>ENDENERGIEVERBRAUCH</b>
<b>23</b>	<b>INDUSTRIE</b>	<b>INDUSTRIE</b>
24	Sidérurgie	Eisen- und Stahlindustrie
25	Industrie chimique et pétrochimique	Chemische Industrie
26	Métaux non ferreux	Ne-Metallerzeugung
27	Produits minéraux non métalliques	Glas- und Keramikindustrie
28	Matériel de transport	Fahrzeugbau
29	Construction mécanique	Maschinenbau
30	Industries extractives	Bergbau- und Steinbrüche
31	Industrie alimentaire et tabacs	Nahrungs- und Genussmittel
32	Papier, pâte à papier et imprimerie	Papier, Zellstoff, Pappeherzeugung
33	Bois et produits dérivés	Holz und Holzprodukte
34	Construction	Baugewerbe
35	Textiles et cuir	Textil- und Lederindustrie
36	Non spécifiés	Sonstige
<b>37</b>	<b>TRANSPORTS</b>	<b>VERKEHRS</b>
38	Aviation intérieure	Inland Luftverkehr
39	Transport routier	Straßenverkehr
40	Transport ferroviaire	Schienenverkehr
41	Transport par conduits	Rohrleitungen
42	Navigation intérieure	Binnenschifffahrt
43	Non spécifiés	Sonstige
<b>44</b>	<b>AUTRES</b>	<b>ANDERE</b>
45	Résidentiel	Wohnsektor
46	Commerce et services publics	Handel- und öffentliche Einrichtungen
47	Agriculture / sylviculture	Landwirtschaft / Forstwirtschaft
48	Pêche	Fischfang
49	Non spécifiés	Sonstige
<b>50</b>	<b>UTILISATIONS NON ENERGETIQUES</b>	<b>NICHTENERGETISCHER VERBRAUCH</b>
51	dans l'industrie/transformation/énergie	im Industrie-/Umwandlung-/Energiesektor
52	dont : produits d'alimentation	davon: Feedstocks
53	dans les transports	im Verkehr
54	dans les autres secteurs	im anderen Sektoren
	<b>Production d'Electricité et de Chaleur</b>	<b>Strom und Wärmeerzeugung</b>
<b>55</b>	<b>Electricité produite - GWh</b>	<b>Elektrizitätsproduktion - GWh</b>
56	Centrales électriques	Elektrizitätswerke
57	Centrales de cogénération	Elektrizitäts- und Heizkraftwerke
<b>58</b>	<b>Chaleur produite - TJ</b>	<b>Wärmeerzeugung - TJ</b>
59	Centrales de cogénération	Elektrizitäts- und Heizkraftwerke
60	Centrales calogènes	Heizkraftwerke

## English

coal and peat  
 crude oil and NGL  
 oil products  
 natural gas  
 nuclear energy  
 hydro energy  
 geothermal energy  
 solar energy  
 wind energy  
 tide energy  
 biofuels and waste  
 electricity  
 heat  
 total energy

## Italiano

carbone e torba  
 petrolio grezzo e LGN  
 prodotti petroliferi  
 gas naturale  
 energia nucleare  
 energia idroelettrica  
 energia geotérmica  
 energia solare  
 energia eolica  
 energia maremotrice  
 biocarburanti e rifiuti  
 energia elettrica  
 calore  
 energia totale

## 日本語

石炭 及び 泥炭  
 原油 及び NGL  
 石油製品  
 天然ガス  
 原子力  
 水力  
 地熱  
 太陽光  
 風力  
 潮力  
 バイオ燃料や廃棄物  
 電力  
 熱  
 総エネルギー

## Italiano

日本語  
Japanese

1	Produzione	国内生産
2	Importazioni	輸入
3	Esportazioni	輸出
4	Bunkeraggi marittimi internazionali	国際海運バンカー
5	Bunkeraggi aerei internazionali	国際航空バンカー
6	Variazioni di stock	在庫変動
<b>7</b>	<b>TOTALE RISORSE PRIMARIE</b>	<b>一次エネルギー国内供給計</b>
8	Ritorni e trasferimenti	品種振替
9	Differenza statistica	統計誤差
10	Centrali elettriche	電気事業者・自家発
11	Impianti di cogenerazione	コージェネレーション
12	Impianti di produzione di calore	熱供給事業者
13	Altiforni	高炉
14	Officine del gas	ガス業
15	Cokerie/fabbriche di agglomerati e bricchette o formelle di lignite	コークス・練豆炭
16	Raffinerie di petrolio	石油精製
17	Impianti petrochimici	石油化学
18	Liquefazione	液化
19	Altri settori di trasformazione	その他転換
20	Autoconsumo dell'industria energetica	エネルギー産業自家消費
21	Perdite	ロス
<b>22</b>	<b>CONSUMI FINALI</b>	<b>最終エネルギー消費計</b>
<b>23</b>	<b>INDUSTRIA</b>	<b>産業</b>
24	Siderurgico	鉄鋼業
25	Chimico	化学工業
26	Metalli non ferrosi	非鉄金属
27	Minerali non metallici	窯業土石
28	Equipaggiamento per trasporti	輸送用機械
29	Meccanico	金属機械
30	Estrattivo	鉱業
31	Alimentare e del tabacco	食料品・たばこ
32	Cartario e grafico	紙・パルプ
33	Legno e prodotti del legno	木製品
34	Costruzioni	建設業
35	Tessile e pelli	繊維工業
36	Non specificato	分類不明
<b>37</b>	<b>TRASPORTI</b>	<b>運輸</b>
38	Aviazione nazionale	国内航空輸送
39	Trasporti stradali	道路輸送
40	Trasporti ferroviari	鉄道
41	Trasporti per condotti	パイプライン輸送
42	Trasporti fluviali interni	内航海運
43	Non specificato	分類不明
<b>44</b>	<b>ALTRO</b>	<b>その他</b>
45	Domestico	民生・家庭
46	Commercio e servizi pubblici	民生・業務用
47	Agricoltura / selvicoltura	農林業
48	Pesca	漁業
49	Non specificato	分類不明
<b>50</b>	<b>USI NON ENERGETICI</b>	<b>非エネルギー</b>
51	dell'industria	産業・変換・エネルギー部門
52	<i>di cui: prodotti intermedi</i>	(含原料油・半製品)
53	dei trasporti	運輸
54	degli altri settori	その他
<b>Produzione di elettricità e di calore</b>		<b>電力及び熱供給量</b>
<b>55</b>	<b>Elettricità prodotta - GWh</b>	<b>発電実績 - GWh</b>
56	<i>Centrali elettriche</i>	電気事業者・自家発
57	<i>Impianti di cogenerazione</i>	コージェネレーション
<b>58</b>	<b>Calore prodotto - TJ</b>	<b>発熱実績 - TJ</b>
59	<i>Impianti di cogenerazione</i>	コージェネレーション
60	<i>Impianti di produzione di calore</i>	熱供給事業者

**English**

coal and peat  
crude oil and NGL  
oil products  
natural gas  
nuclear energy  
hydro energy  
geothermal energy  
solar energy  
wind energy  
tide energy  
biofuels and waste  
electricity  
heat  
total energy

**Español**

carbón y turba  
petróleo crudo y LGN  
productos petrolíferos  
gas natural  
energía nuclear  
energía hidráulica  
energía geotérmica  
energía solar  
energía eólica  
energía maremotriz  
biocombustibles y residuos  
electricidad  
calor  
energía total

**Русский**

уголь и торф  
сырая нефть/ Газ. конденсаты  
нефтепродукты  
природный газ  
атомная энергия  
гидроэнергия  
геотермальная энергия  
солнечная энергия  
энергия ветра  
энергия приливов  
биотоплива и отходов  
электричество  
тепло  
всего источников энергии

## Español

Русский  
Russian

1	Producción	Собственное производство
2	Importaciones	Импорт
3	Exportaciones	Экспорт
4	Búncers marítimos internacional	Международный бункер водных перевозок
5	Búncers aéreos internacional	Международный бункер авиационных перевозок
6	Cambio de stocks	Изменение остатков
<b>7</b>	<b>SUMINISTRO AL CONSUMO</b>	<b>ОБЩАЯ ПОСТАВКА ПЕРВИЧНОЙ ЭНЕРГИИ</b>
8	Transferencias	Передачи
9	Diferencias estadísticas	Статистическое расхождение
10	Central eléctrica	Электростанции
11	Central combinada de calor y electricidad	Тепло-электроцентрали
12	Central de calor	Теплоцентрали
13	Alto horno	Доменные печи
14	Gas ciudad	Газовые заводы
15	Plantas de coque/combustible 'patente'/BKB	Коксовые печи/Предпр-ия по пр-ву каменноуг./буроуг. брикетов
16	Refinerías de petróleo	Нефтеперерабатывающие заводы
17	Plantas de petroquímica	Нефтехимические заводы
18	Licuefacción	Ожижение
19	Otros sect. de transformación	Др. преобразование и переработка топлива
20	Consumos propios de la industria de energía	Собственное использование сектором энергетики
21	Pérdidas	Потери
<b>22</b>	<b>CONSUMO FINAL</b>	<b>КОНЕЧНОЕ ПОТРЕБЛЕНИЕ</b>
<b>23</b>	<b>INDUSTRIA</b>	<b>ПРОМЫШЛЕННОСТЬ</b>
24	Siderurgia	Черная металлургия
25	Químico	Химия и нефтехимия
26	Metales no férreos	Цветная металлургия
27	Minerales no metálicos	Неметалл. минералы
28	Equipos de transporte	Транспортное оборудование
29	Maquinaria	Машиностроение
30	Extracción y minas	Горнодобывающая промышленность
31	Alimentación y tabaco	Пищевая и табачная промышленность
32	Papel, pasta e impresión	Бум.-целл. и полиграф. пр-сть
33	Madera	Пр-во древесины и деревообработка
34	Construcción	Строительство
35	Textil y piel	Текст.-кожевенная пр-сть
36	No especificado	Др. отрасли промышленности
<b>37</b>	<b>TRANSPORTE</b>	<b>ТРАНСПОРТ</b>
38	Transporte aéreo interno	Внутренний воздушный транспорт
39	Transporte por carretera	Автомобильный транспорт
40	Ferrocarril	Железнодорожный транспорт
41	Oleoducto	Транспортировка по трубопроводам
42	Navegación interna	Внутренний водный транспорт
43	No especificado	Неспецифицированный транспорт
<b>44</b>	<b>OTROS</b>	<b>ДРУГИЕ</b>
45	Residencial	Бытовой сектор
46	Comercio y serv. públicos	Торговля и услуги
47	Agricultura / selvicultura	Сельское хозяйство / Лесное хозяйство
48	Pesca	Рыболовство
49	No especificado	Неспецифицированные другие секторы
<b>50</b>	<b>USOS NO ENERGETICOS</b>	<b>НЕЭНЕРГЕТИЧЕСКОЕ ИСПОЛЬЗОВАНИЕ</b>
51	en la industria/tranf./energía	в промышленности/преобраз.-переработке/топл.-энергетике
52	<i>incl.: prod. de aliment.</i>	<i>в т.ч. П/фабрикаты нефтепереработки</i>
53	en el transporte	в транспорте
54	en otros sectores	в других секторах
<b>Producción de electricidad y de calor</b>		<b>Производство электроэнергии и тепла</b>
<b>55</b>	<b>Electr. producida - GWh</b>	<b>Произведено электроэнергии - Гвт.ч</b>
56	<i>Central eléctrica</i>	<i>Электростанции</i>
57	<i>Central combinada de calor y electricidad</i>	<i>Тепло-электроцентрали</i>
<b>58</b>	<b>Calor producido - TJ</b>	<b>Произведено тепла - ТДж</b>
59	<i>Central combinada de calor y electricidad</i>	<i>Тепло-электроцентрали</i>
60	<i>Central de calor</i>	<i>Теплоцентрали</i>

## English

coal and peat  
crude oil and NGL  
oil products  
natural gas  
nuclear energy  
hydro energy  
geothermal energy  
solar energy  
wind energy  
tide energy  
biofuels and waste  
electricity  
heat  
total energy

## 中文

煤和泥炭  
原油和液态天然气  
石油产品  
天然气  
核能  
水能  
地热能  
太阳能  
风能  
潮汐能  
生物燃料和废物  
电力  
热能  
能源合计

# 中文

## Chinese

1	本国产量
2	进口
3	出口
4	国际海运加油
5	国际航空
6	库存变化
<b>7</b>	<b>一次能源供应量 (TPES)</b>
8	统计差额
9	发电厂
10	热电联产厂
11	热力厂
12	高炉气厂
13	高炉气厂
14	制气厂
15	炼焦 / 专用燃料 / 褐煤型煤厂
16	炼油厂
17	石油化学厂
18	液化厂
19	其它转换
20	其它转化
21	能源工业自用
<b>22</b>	<b>最终消费合计 (TFC)</b>
<b>23</b>	<b>工业</b>
24	钢铁
25	化学和石化
26	有色金属
27	非金属矿物
28	交通设备
29	机械工业
30	采矿和挖掘
31	食品和烟草
32	纸、纸浆和印刷
33	木材和木材制品
34	建筑业
35	纺织和皮革
36	其它
<b>37</b>	<b>交通运输</b>
38	国内航空
39	公路运输
40	铁路运输
41	管道运输
42	国内海运
43	其它
<b>44</b>	<b>其它</b>
45	居民消费
46	商业和公共事业
47	农业林业
48	捕鱼业
49	其它
<b>50</b>	<b>非能源使用</b>
51	工业 / 转化 / 能源
52	其中: 用做原料
53	交通
54	其它部门
<b>电力和热输出</b>	
<b>55</b>	<b>发电 (千兆瓦时)</b>
56	发电厂
57	热电联产厂
<b>58</b>	<b>供热 (10<sup>12</sup>焦)</b>
59	热电联产厂
60	热力厂





# Energy Data Manager / Statistician

Possible Staff Vacancies

International Energy Agency, Paris, France

## The IEA

The International Energy Agency, based in Paris, acts as energy policy advisor to 28 member countries in their effort to ensure reliable, affordable and clean energy for their citizens. Founded during the oil crisis of 1973-74, the IEA's initial role was to co-ordinate measures in times of oil supply emergencies. As energy markets have changed, so has the IEA. Its mandate has broadened to incorporate the "Three E's" of balanced energy policy making: energy security, economic development and environmental protection. Current work focuses on climate change policies, market reform, energy technology collaboration and outreach to the rest of the world, especially major consumers and producers of energy like China, India, Russia and the OPEC countries.

The Energy Data Centre, with a staff of around 30 people, provides a dynamic environment for young people just finishing their studies or with one to two years of work experience.

## Job description

The data managers/statisticians compile, verify and disseminate information on all aspects of energy including production, transformation and consumption of all fuels, renewables, the emergency reporting system, energy efficiency indicators, CO<sub>2</sub> emissions, and energy prices and taxes. The data managers are responsible for receiving, reviewing and inputting data submissions from member countries and other sources into large computerised databases. They check for completeness, correct calculations, internal consistency, accuracy and consistency with definitions. Often this entails proactively investigating and helping to resolve anomalies in collaboration with national administrations of member and non-member countries. The data managers/statisticians also play a key role in helping to design and implement computer macros used in the preparation of their energy statistics publication(s).

## Principal Qualifications

- University degree in a topic relevant to energy, computer programming or statistics. We currently have staff with degrees in Mathematics, Statistics, Information Technology, Economics, Engineering, Physics, Chemistry, Environmental Studies, Hydrology, Public Administration and Business.
- Experience in the basic use of databases and computer software. Good computer programming skills in Visual Basic.
- Ability to work accurately, pay attention to detail and work to deadlines. Ability to deal simultaneously with a wide variety of tasks and to organise work efficiently.
- Good communication skills; ability to work well in a team and in a multicultural environment, particularly in liaising with contacts in national administrations and industry.
- Very good knowledge of one of the two official languages of the Organisation (English or French). Knowledge of other languages would be an advantage.
- Some knowledge of energy industry operations and terminology would also be an advantage, but is not required.

Nationals of any OECD member country are eligible for appointment. Basic salaries start at 3 080 Euros per month. The possibilities for advancement are good for candidates with appropriate qualifications and experience. Tentative enquiries about future vacancies are welcomed from men and women with relevant qualifications and experience. Applications in French or English, accompanied by a curriculum vitae, should be sent to:

Office of Management and Administration  
International Energy Agency  
9 rue de la Fédération  
75739 Paris Cedex 15, France  
Email: [recruitment@iea.org](mailto:recruitment@iea.org)



## On-Line Data Services

Users can instantly access not only all the data published in this book, but also all the time series used for preparing this publication and all the other statistics publications of the IEA. The data are available on-line, either through annual subscription or pay-per-view access. More information on this service can be found on our website: <http://data.iea.org>

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## Ten Annual Publications

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### ■ Energy Statistics of OECD Countries, 2012 Edition

No other publication offers such in-depth statistical coverage. It is intended for anyone involved in analytical or policy work related to energy issues. It contains data on energy supply and consumption in original units for coal, oil, natural gas, biofuels/waste and products derived from these primary fuels, as well as for electricity and heat. Complete data are available for 2009 and 2010 and supply estimates are available for the most recent year (*i.e.* 2011). Historical tables summarise data on production, trade and final consumption. Each issue includes definitions of products and flows and explanatory notes on the individual country data.

*Published July 2012 - Price €120*

### ■ Energy Balances of OECD Countries, 2012 Edition

A companion volume to *Energy Statistics of OECD Countries*, this publication presents standardised energy balances expressed in million tonnes of oil equivalent. Energy supply and consumption data are divided by main fuel: coal, oil, natural gas, nuclear, hydro, geothermal/solar, biofuels/waste, electricity and heat. This allows for easy comparison of the contributions each fuel makes to the economy and their interrelationships through the conversion of one fuel to another. All of this is essential for estimating total energy supply, forecasting, energy conservation, and analysing the potential for interfuel substitution. Complete data are available for 2009 and 2010 and supply estimates are available for the most recent year (*i.e.* 2011). Historical tables summarise key energy and economic indicators as well as data on production, trade and final consumption. Each issue includes definitions of products and flows and explanatory notes on the individual country data as well as conversion factors from original units to tonnes of oil equivalent.

*Published July 2012 - Price €120*

### ■ Energy Statistics of Non-OECD Countries, 2012 Edition

This publication offers the same in-depth statistical coverage as the homonymous publication covering OECD countries. It includes data in original units for more than 100 individual countries and nine main regions. The consistency of OECD and non-OECD countries' detailed statistics provides an accurate picture of the global energy situation for 2009 and 2010. For a description of the content, please see *Energy Statistics of OECD Countries* above.

*Published August 2012 - Price €120*

### ■ **Energy Balances of Non-OECD Countries, 2012 Edition**

A companion volume to the publication *Energy Statistics of Non-OECD Countries*, this publication presents energy balances in thousand tonnes of oil equivalent and key economic and energy indicators for more than 100 individual countries and nine main regions. It offers the same statistical coverage as the homonymous publication covering OECD countries, and thus provides an accurate picture of the global energy situation for 2009 and 2010. For a description of the content, please see *Energy Balances of OECD Countries* above.

*Published August 2012 - Price €120*

### ■ **Electricity Information 2012**

This reference document provides essential statistics on electricity and heat for each OECD member country by bringing together information on production, installed capacity, input energy mix to electricity and heat production, input fuel prices, consumption, end-user electricity prices and electricity trades.

*Published August 2012 - Price €150*

### ■ **Coal Information 2012**

This well-established publication provides detailed information on past and current evolution of the world coal market. It presents country-specific statistics for OECD member countries and selected non-OECD countries on coal production, demand, trade and prices. This publication represents a key reference tool for all those involved in the coal supply or consumption stream, as well as institutions and governments involved in market and policy analysis of the world coal market.

*Published August 2012 - Price €165*

### ■ **Natural Gas Information 2012**

A detailed reference work on gas supply and demand, covering not only the OECD countries but also the rest of the world. Contains essential information on LNG and pipeline trade, gas reserves, storage capacity and prices. The main part of the book, however, concentrates on OECD countries, showing a detailed gas supply and demand balance for each individual country and for the three OECD regions, as well as a breakdown of gas consumption by end-user. Import and export data are reported by source and destination.

*Published August 2012 - Price €165*

### ■ **Oil Information 2012**

A comprehensive reference book on current developments in oil supply and demand. The first part of this publication contains key data on world production, trade, prices and consumption of major oil product groups, with time series back to the early 1970s. The second part gives a more detailed and comprehensive picture of oil supply, demand, trade, production and consumption by end-user for each OECD country individually and for the OECD regions. Trade data are reported extensively by origin and destination.

*Published August 2012 - Price €165*

### ■ Renewables Information 2012

This reference document brings together in one volume essential statistics on renewables and waste energy sources. It presents a detailed and comprehensive picture of developments for renewable and waste energy sources for each of the OECD member countries, encompassing energy indicators, generating capacity, electricity and heat production from renewable and waste sources, as well as production and consumption of renewable and waste products.

*Published August 2012 - Price €110*

### ■ CO<sub>2</sub> Emissions from Fuel Combustion, 2012 Edition

In order for nations to tackle the problem of climate change, they need accurate greenhouse gas emissions data. This publication provides a basis for comparative analysis of CO<sub>2</sub> emissions from fossil fuel combustion, a major source of anthropogenic emissions. The data in this book are designed to assist in understanding the evolution of the emissions of CO<sub>2</sub> from 1971 to 2010 for more than 140 countries and regions by sector and by fuel. Emissions were calculated using IEA energy databases and the default methods and emissions factors from the *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*.

*Published November 2012 - Price €165*

## Two Quarterlies

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### ■ Oil, Gas, Coal and Electricity, Quarterly Statistics

This publication provides up-to-date, detailed quarterly statistics on oil, coal, natural gas and electricity for the OECD countries. Oil statistics cover production, trade, refinery intake and output, stock changes and consumption for crude oil, NGL and nine selected oil product groups. Statistics for electricity, natural gas and coal show supply and trade. Import and export data are reported by origin and destination. Moreover, oil as well as hard coal and brown coal production are reported on a worldwide basis.

*Published Quarterly - Price €120, annual subscription €380*

### ■ Energy Prices and Taxes

This publication responds to the needs of the energy industry and OECD governments for up-to-date information on prices and taxes in national and international energy markets. It contains crude oil import prices by crude stream, industry prices and consumer prices. The end-user prices for OECD member countries cover main petroleum products, gas, coal and electricity. Every issue includes full notes on sources and methods and a description of price mechanisms in each country. Time series availability varies with each data series.

*Published Quarterly - Price €120, annual subscription €380*

## Electronic Editions

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### ■ CD-ROMs and Online Data Services

To complement its publications, the Energy Data Centre produces CD-ROMs containing the complete databases which are used for preparing the statistics publications. State-of-the-art software allows you to access and manipulate all these data in a very user-friendly manner and includes graphic facilities. These databases are also available on the internet from our online data service.

#### Annual CD-ROMS / Online Databases

- |   |                                    |
|---|------------------------------------|
| ■ Energy Statistics of OECD Countries, 1960-2011            | Price: €550 (single user)          |
| ■ Energy Balances of OECD Countries, 1960-2011              | Price: €550 (single user)          |
| ■ Energy Statistics of Non-OECD Countries, 1971-2010        | Price: €550 (single user)          |
| ■ Energy Balances of Non-OECD Countries, 1971-2010          | Price: €550 (single user)          |
| ■ <i>Combined subscription of the above four series</i>     | <i>Price: €1 400 (single user)</i> |
| ■ Electricity Information 2012                              | Price: €550 (single user)          |
| ■ Coal Information 2012                                     | Price: €550 (single user)          |
| ■ Natural Gas Information 2012                              | Price: €550 (single user)          |
| ■ Oil Information 2012                                      | Price: €550 (single user)          |
| ■ Renewables Information 2012                               | Price: €400 (single user)          |
| ■ CO <sub>2</sub> Emissions from Fuel Combustion, 1971-2010 | Price: €550 (single user)          |

#### Quarterly CD-ROMs / Online Databases

- |                           |   |
|---------------------------|---|
| ■ Energy Prices and Taxes | Price: (four quarters) €900 (single user) |
|---------------------------|---|

A description of these services are available on our website: <http://data.iea.org>

## Other Online Services

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### ■ The Monthly Oil Data Service

The IEA Monthly Oil Data Service provides the detailed databases of historical and projected information which is used in preparing the IEA's monthly *Oil Market Report* (OMR). The IEA Monthly Oil Data Service comprises three packages available separately or combined as a subscriber service on the Internet. The data are available at the same time as the official release of the Oil Market Report.

The packages include:

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| ■ Supply, Demand, Balances and Stocks | Price: €6 000 (single user)        |
| ■ Trade                               | Price: €2 000 (single user)        |
| ■ Field-by-Field Supply               | Price: €3 000 (single user)        |
| ■ <i>Complete Service</i>             | <i>Price: €9 000 (single user)</i> |

A description of this service is available on our website: <http://www.iea.org/stats/mods.asp>

## ■ The Monthly Gas Data Service

The service provides monthly natural gas data for OECD countries:

- supply balances in terajoules and cubic metres;
- production, trade, stock changes and levels where available, gross inland deliveries, own use and losses;
- highly detailed trade data with about 50 imports origins and exports destinations;
- LNG trade detail available from January 2002.

The databases cover the time period January 1984 to current month with a time lag of two months for the most recent data.

- Monthly Gas Data Service: Natural Gas Balances & Trade  
*Historical plus 12 monthly updates* Price: €800 (single user)

For more information consult: <http://data.iea.org>

**Moreover, the IEA statistics website contains key energy indicators by country, graphs on the world and OECD's energy situation evolution from 1971 to the most recent year available, as well as selected databases for demonstration.**

**The IEA statistics website can be accessed at [www.iea.org/statistics/](http://www.iea.org/statistics/)**







International  
Energy Agency

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Tel: +33 (0)1 40 57 66 90

E-mail:  
[books@iea.org](mailto:books@iea.org)

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