



Asia-Pacific
Economic Cooperation

APEC

ENERGY STATISTICS 2014

ENERGY WORKING GROUP
NOVEMBER 2016

COORDINATING AGENCY:
ENERGY STATISTICS AND TRAINING OFFICE
ASIA PACIFIC ENERGY RESEARCH CENTRE



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PREFACE

The APEC Energy Statistics 2014 consists of the following chapters:

1. Background information on APEC energy statistics
2. Overview of APEC energy situation
3. Member economy tables

The statistics cover the 21 APEC member economies, i.e. Australia; Brunei Darussalam; Canada; Chile; People's Republic of China; Hong Kong, China; Indonesia; Japan; Republic of Korea; Malaysia; Mexico; New Zealand; Papua New Guinea; Peru; The Republic of the Philippines; The Russian Federation; Singapore; Chinese Taipei; Thailand; United States and Viet Nam.

Chapter 1 describes the methodology for collecting and standardising the energy data and for producing the secondary data such as the energy balances and other tables. The preparation of socio-economic data is also explained.

Chapter 2 provides an analysis of energy demand and supply in the APEC region and contains figures and tables showing trends of energy demand and supply.

Chapter 3 consists of annual tables of each member economy. The annual tables contain energy balance tables for 2014 and 2013 and Energy Prices for 2014. The annual tables also include major energy indicators such as primary energy supply, final energy consumption, demand and supply by energy sources as well as major economic indicators such as population, GDP, balance of payments, foreign exchange rate, purchasing power parity, price indices and so on. These tables cover the data from 1990 to 2014. The objective is to report the most recently updated data.

APEC Energy Statistics 2014 is derived from the APEC energy database, the purpose of which is to establish a comprehensive and consistent energy database within the APEC region. This database will be used to assist in the identification of significant trends in energy demand and supply consistent with projects and priorities under the APEC Energy Working Group. It is prepared in close cooperation with member economies.

Inquiries about the data should be addressed to the Asia Pacific Energy Research Centre (APEREC).

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1 Background information on APEC energy statistics

APEC energy statistics consist of energy data submitted by each member economy as well as socio-economic data collected by the Asia Pacific Energy Research Centre (APEREC), the Coordinating Agency (CA) for this APEC activity. Energy balance tables, which give detailed description of all energy products and flows, and other tables (primary energy supply, final energy consumption, etc.) included in the statistics, are secondary data compiled by APEREC.

Energy data

APEC member economies regularly submit energy demand and supply data to the CA. These data are called "original data". Details for collection of the data are given below:

Collection format for original energy data

Most of the items found in the APEC energy statistics are based on data submitted by the APEC member economies using a set of questionnaires for oil, coal, natural gas, electricity and heat, as well as new and renewable energy (NRE). These questionnaires were developed in 2005 for the collection of annual data for the year 2004. These are simplified forms of the annual energy questionnaires of the International Energy Agency (IEA) through the harmonisation efforts of the CA with the IEA. Tables 1-1a and 1-1b show the energy products and flows that are to be reported in the questionnaires. The definition of energy products and flows can be found in the Appendices.

Using the reporting format or the APEC annual energy questionnaires, the member economies submitted the following information:

- Demand and supply information for specific types of energy products
- Power generating capacity by type of power plants

- Demand and supply information for NRE

The data are reported in the following required units:

Coal and Solid Coal Products	1000 Metric Tons
Gaseous Coal Products	10 ¹⁰ kcal (gross)
Oil and Oil Products	1000 Metric Tons
Natural Gas	Million Cubic Meters
LNG	1000 Metric Tons
Solid and Liquid Bio-fuels	1000 Metric Tons
Biogas	10 ¹⁰ kcal (gross)
Electricity (including renewable)	GWh
Heat	10 ¹⁰ kcal (gross)

With regard to calorific values (both gross and net), the required units are the following:

Coal, Oil, NRE	kcal/kg
Natural Gas	kcal/cubic meter

Power generating capacity data are reported in megawatt (MW).

For OECD member countries that also submit annual energy demand and supply data to IEA, the CA accepts data submission using the IEA format. The CA also downloads the revised questionnaires from IEA's Energy Data Centre. The CA developed computer programs to transfer data from the IEA format to APEC format and to generate energy balance tables. This reduces the reporting burden of these economies to IEA, APEC and other international energy organisations.

Table 1.1a • Energy products in the APEC energy database

Coal	Petroleum Products	Gas
Coking Coal	Gasoline	Natural Gas
Other Bituminous Coal	Motor Gasoline	LNG
Sub-bituminous Coal	Aviation Gasoline	Hydro
Anthracite	Naphtha	Nuclear
Lignite	Jet Fuel	New and Renewable Energy
Peat	Gasoline Type Jet Fuel	Geothermal Electricity
Coal Products	Kerosene Type Jet Fuel	Solar Photovoltaic
Coke Oven Coke	Other Kerosene	Tide, Wave and Ocean
Coke Oven Gas	Gas/Diesel Oil	Wind
Blast Furnace Gas	Fuel Oil	Geothermal Heat
Oxygen Steel Furnace Gas	LPG	Solar Heat
Patent Fuel	Refinery Gas	Fuel Wood and Wood Waste
Coal Tar	Ethane	Bagasse
BKB/PB	White Spirit SBP	Charcoal
Gas Works Gas	Lubricants	Other Biomass
Crude Oil & NGL	Bitumen	Biogas
Crude Oil	Paraffin Waxes	Industrial Waste
Natural Gas Liquids	Petroleum Coke	Municipal Solid Waste
Refinery Feedstocks	Other Petroleum Products	Liquid Biofuels
Additives / Oxygenates		Electricity
Other Hydrocarbons		Heat

Collection schedule and actual dates of submission

The CA set the deadline for submission to the end of January 2016. In principle, all 21 APEC members are expected to submit annual data by the aforementioned deadline. Hong Kong, China and Chinese Taipei were able to submit the five energy questionnaires before the deadline. However, the former's data were preliminary and was finalised only

in October 2016. Nine non-OECD APEC economies submitted after January 2016. Papua New Guinea and Viet Nam did not submit their respective questionnaires, but Viet Nam was able to provide the energy commodity balance and energy balance tables in their own-economy format.

Table 1.1b • Energy flows in the APEC energy database

Indigenous Production	Total Transformation Sector	Total Final Consumption
Imports	Main Activity Producer	Industry Sector
Exports	Electricity Plants	Iron and Steel
International Marine Bunkers	CHP Plants	Chemical including Petrochemicals
International Aviation Bunkers	Heat Plants	Non Ferrous Metals
Stock Changes	Autoproducer	Non Metallic Minerals
Total Primary Energy Supply	Electricity Plants	Transportation Equipment
Transfers	CHP Plants	Machinery
Recycled Products	Heat Plants	Mining and Quarrying
Inter-product Transfers	Gas Processing	Food, Beverages and Tobacco
Products Transferred	Gas Works	Pulp, Paper and Printing
Gas Separation	Liquefaction	Wood and Wood Products
	Re-gasification	Construction
	Natural Gas Blending Plants	Textiles and Leather
	Gas to Liquid	Non-specified Industry
	Refineries	Transport Sector
	Coal Transformation	Domestic Air Transport
	Coke Ovens	Road
	Blast Furnaces	Rail
	Patent Fuel Plants	Inland Waterways
	BKB/PB Plants	Pipeline Transport
	Liquefaction (Coal to Oil)	Non-specified Transport
	Kerosene Type Jet Fuel	Other Sector
	Petrochemical Industry	Commerce and Public Services
	Biofuel Processing	Residential
	Charcoal Processing	Agriculture
	Non-Specified Transformation	Fishing
	Losses and Own Use	Non-specified Others
	Own Use	Of which Non-energy Use
	Distribution Losses	Transformation Sector
		Industry Sector
		Transport Sector
		Other Sector

Status of data collection

As of 30 June 2016, data from 17 APEC economies were collected by the CA. Of the 17, data of eight economies were obtained from IEA's energy data center. Indonesia and Thailand submitted the data after June 2016. Viet Nam was able to submit only its energy balance and energy commodity balance in September 2016.

Method of data submission

Member economies submit the data files as email attachments. Correspondence for the improvement of data consistency and accuracy had also been carried out mostly through the email communication. For economies which do not have submissions, the CA estimated their energy data.

Method of estimation

As Papua New Guinea was not able to submit its annual energy questionnaires, the CA estimated its energy data using various references such as the JODI Oil data, the annual report of Oil Search Limited, an oil company based in the economy, and information from the economy's privately-operated geothermal power plant. No information on NRE (except for hydro) was available for the economy.

The CA took several measures to be able to generate energy balance tables for Papua New Guinea. The CA made use of the crude oil production, exports and refinery input and output data from its monthly submissions to Joint Organisations Data Initiative (JODI). From these data, the CA estimated the final energy consumption, electricity generation and inputs as well as imports of petroleum products. The CA will highly appreciate if Papua New Guinea would be able to produce its own energy statistics and balances in the future.

As regards Singapore, though the economy submitted their questionnaires, the data was lacking of the level of details that the energy balance table requires. Hence, Singapore advised the CA to use the energy statistics and energy balance produced by IEA as the economy agrees with IEA's methodologies and estimates.

Finally for Viet Nam, the CA was able to fill-out the questionnaires and consequently produced its energy balance table through the submitted economy-own formatted energy commodity balance and energy balance tables.

Standardisation

The APEC reporting format requires the use of certain units for reporting energy data since 2005. In this regard, the level of standardisation has been improved by at least one notch. For example, all oil data are now reported in 1000 metric ton units. Before the 2004 data, each economy used its own units such as barrels, kiloliters, cubic meters, etc. The CA however, does not standardise the conversion factor from physical to thermal units in view of the peculiarities in the thermal quantity of each energy product from the different economies. In this regard, the CA makes use of the calorific value data reported by each economy as opposed to using typical conversion factors.

Conversion factors for fossil energy from physical to thermal units

Between the two calorific values, namely gross and net calorific values, APEC adopted the net calorific value agreed from the third experts meeting held in Singapore to facilitate comparisons with international energy statistics such as those of the IEA and United Nations Statistics Division. Therefore, gross calorific values used by some members must

be converted to net calorific values. If only gross calorific values are reported, the CA converts them to net calorific values by:

Coal / Oil multiply the value by 95%
 Gas multiply the value by 90%

Conversion factors for primary electricity

Table 1-2 shows the efficiency applied to convert primary electricity, i.e. power generated from non-fossil fuel sources such as hydro, nuclear, geothermal and other power generation to primary energy units. To allow comparisons of primary energy supplies, in the light of differences in conversion coefficients, standardisation is required. APEC adopted the following efficiency of primary electricity generation for compatibility with IEA and UN statistics.

Table 1.2 • Efficiency of primary electricity generation

Primary Electricity	Efficiency
Hydro Power	100%
Nuclear Power	33%
Geothermal Power*	10%
Other New Power	100%

**Excluding Mexico, New Zealand and the United States. These economies can provide the primary energy equivalent of geothermal electricity outputs.*

The original energy data contained in these statistics have been processed using the adjustments mentioned above.

Secondary data

Using the original data submitted by the member economies, the CA prepares the following tables through the standardisation process.

- (1) Energy balance table
- (2) Primary energy supply table
- (3) Final energy consumption table
- (4) Demand and supply by energy source table
- (5) Electricity table

The energy balance table gives a detailed description of energy sources and their flows.

APEC energy statistics contains the five tables mentioned above. Tables 2 through 5 are collectively referred to as "other tables", and are compiled from the energy balance table and data obtained from the original data tables after adjustment. Tables 2 through 5 allow comparisons among member economies.

Energy balance table

The energy balance table is, in principle, the same as that of the IEA but with some differences. These are as follows:

- APEC statistics are basically based on official data provided by national government agencies of the member economies, and thus, agencies exclude any data not reported to the government. It is assumed that the IEA estimates these quantities.
- For this reason, some data for private power generations are missing in some member economies.
- The reporting period differs in APEC and IEA surveys.

The APEC energy balance table consists of two tables, quoted in ktoe (10¹⁰ kilocalories) and in petajoules (PJ equivalent to 10¹⁵ joules).

Other tables

Other tables such as primary energy supply, final energy consumption, demand and supply by energy source, and electricity, are all designed to allow comparisons among member economies.

The primary energy supply table shows information that constitute the primary energy supply, namely, indigenous production, imports, exports, stock change, and international marine and aviation bunkers in terms of calorific values (ktoe and PJ), for each of the four categories of coal, petroleum, gas, and primary electricity (hydro, nuclear, geothermal power, etc.).

The final consumption table illustrates the consumption of coal (including coal products), petroleum, gas, electricity and other energy sources for each final consumption sector (agriculture, residential, commercial, industry and transport).

The demand and supply table for each energy source emphasises coal, petroleum and gas, and shows, at a balance, how the primary supply quantity is consumed in the transformation and final energy consumption sectors.

The electricity table illustrates the power generation and fossil fuel input for each of the five categories of thermal, hydro, nuclear, geothermal and other sources of power generation.

Notes on member economies

General notes

Most of the member economies' annual data are tallied by calendar year (1 January - 31 December) except for Australia; Australia's energy statistics are accounted by fiscal year (1 July - 30 June).

In view of harmonisation efforts with the IEA, the CA

accepts submission from OECD members using the IEA format. Likewise, to reduce the burden on member economies' statisticians, the CA decided to leave the data verification with the APEC OECD member economies to IEA and just used the processed and updated data from IEA.

Specific notes

• **Japan**

Energy data from 2000 are not official data prepared by the Japanese Government. The CA used data in the energy balance table produced by the Institute of Energy Economics, Japan to maintain consistency of data from before 2000.

• **Papua New Guinea**

The CA estimated the data in energy balance tables from 2004 to 2014 for Papua New Guinea from the crude oil and natural gas production, refinery intake and output data, crude oil exports from its monthly submissions to Joint Organisations Data Initiative. Data on geothermal electricity production were obtained via online research. There is no reliable information on biomass use especially in the household sector, for APERC to be able to estimate consumption of this energy source. Despite the absence of estimates, it is believed that the consumption of this fuel is substantial in the economy considering the relatively low electrification rate and the large portion of the population living in the rural areas.

• **Singapore**

Singapore submitted aggregated data on production and consumption of petroleum products. The CA estimated most of the data in the energy balance tables from 1990 to 2013. For the 2014 data, upon the advice of the focal point in the economy, the CA obtained the data (with permission of IEA) from IEA's energy statistics. The historical data from 1980 to

2013 were also revised using IEA's data as Singapore agreed with the assumption and methodologies used by IEA in the estimation of economy's energy data.

Socio-economic data

The socio-economic data of each member economy shown in the APEC Energy Statistics are not reported by the member economies, but are prepared by the CA. The data are obtained from the *World Development Indicators* of the World Bank and *The International Financial Statistics Yearbook* of the International Monetary Fund (IMF). The data of Chinese Taipei that are not available in these statistics, are derived from the *Chinese Taipei Statistical Data Book*. This book is regularly provided to the CA through the goodwill of this member economy. The items which the CA takes from this publication are:

- Population
- GDP and its components
- Index of Industrial Production
- External Trade (in US dollars)
- Balance of Payment (in US dollar)
- Exchange Rate
- Prices (CPI, etc.)

In addition to reporting the GDP in the member economy's currency, the CA provides estimates in real and nominal dollars as well as real Purchasing Power Parity (PPP) values.

APEC energy database

The CA has established the online APEC energy database, which contains all the data in the APEC energy statistics. The database can be accessed at: <http://www.iecej.or.jp/egeda/>.

2 Overview of APEC energy situation

Background

Chapter 2 summarises the energy demand and supply situation in the APEC region based on the energy balance tables of APEC member economies. There are no changes in the energy categories from the previous edition of the APEC Energy Statistics shown in this chapter which are indicated as follows:

a. Coal

Coking coal, anthracite, other bituminous coal, sub-bituminous coal, lignite and peat, patent fuel, coke, coal tar, BKB/PB, gas works gas, blast furnace gas, and oxygen steel furnace gas

b. Oil

Crude oil, NGL, refinery feedstocks, additives/oxygenates, other hydrocarbons, refinery gas, ethane, LPG, naphtha, motor gasoline, aviation gasoline, gasoline-type jet fuel, kerosene-type jet fuel, other kerosene, gas/diesel oil, fuel oil, white spirit SBP, lubricants, bitumen, paraffin waxes, petroleum coke, and other oil products

c. Gas

Natural gas and LNG

d. Hydro, nuclear, etc.

Electricity generated from non-thermal resources, such as hydro, nuclear, geothermal, solar, and wind

e. Others

Biomass for electricity and heat

Noncommercial biomass for economies with complete data for 1990 to 2014

Also, in this edition of APEC Energy Statistics, the regional groupings of APEC member economies follow the regional groupings of APEC Energy Demand and Supply Outlook 6th Edition as follows:

a. Other Americas

Canada; Chile; Mexico; and Peru

b. South-East Asia

Brunei Darussalam; Indonesia; Malaysia; the Philippines; Singapore; Thailand; and Viet Nam

c. Oceania

Australia; New Zealand; and Papua New Guinea

d. Other north-east Asia

Hong Kong, China; Japan; Korea; and Chinese Taipei

e. China;

f. Russia; and

g. The United States

A new format of renewable questionnaire was introduced in 2004 to further disaggregate non-commercial biomass demand and supply data. Since then, detailed biomass consumption and supply has been reported by several economies. Excluded in the analysis however, were Indonesia and Thailand as non-commercial biomass data for both economies have not been reported for the years before 2004.

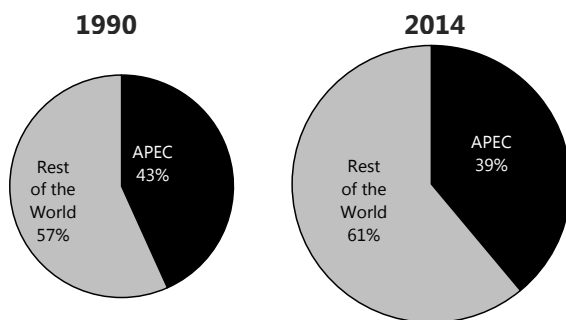
APEC and the world

This section briefly compares APEC to the world in terms of population, GDP and total primary energy supply.

Over the period 1990-2014, total population in APEC grew gradually at an annual average growth rate (AAGR) of 0.9%, from 1990 to reach 2.83 billion in 2014. Population of the rest of the world on the other hand, grew by 1.6% on average per year during the same period, from 2.99 billion in 1990 to 4.43 billion in 2014.

The sluggish growth in APEC population was still evident in 2014 with the 0.7% increase from the 2013 level of 2.80 billion while the rest of the world grew by 1.5% during the same year. Given the slow growth in APEC population, its share to the world's population decreased from 43% in 1990 to 39% in 2014 (Figure 2.1).

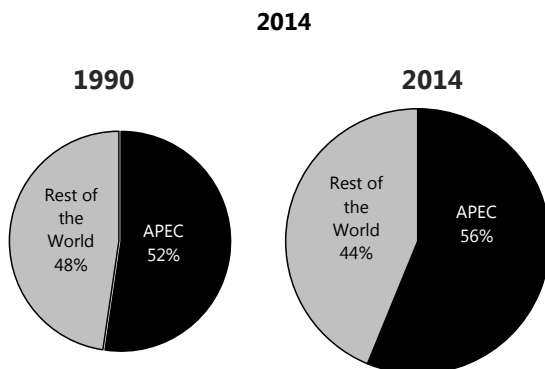
Figure 2.1 • World population, 1990 and 2014



Source: World Bank

While population in APEC slowed down between 1990 and 2014, its GDP (constant 2010 USD) on the other hand surged faster than the rest of the world at 3.1% AAGR. This period marked the fast growth seen in China (10.1% AAGR) and the group of economies that make up South-East Asia (5.0% AAGR).

Figure 2.2 • World GDP (constant USD), 1990 and 2014



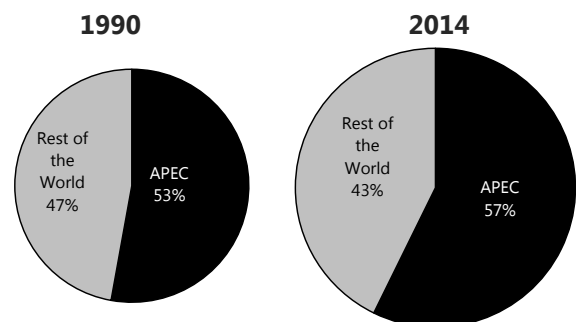
Source: World Bank

In 2014, APEC GDP increased to 40 943 billions (constant 2010 USD) representing a 3.1% upward trend from 2013 level of 39 713 billions (constant

2010 USD). Following the continued increase in GDP, its share to the world's GDP in 2014 increased by four percentage point from the 1990 level (Figure 2.2).

In terms of primary energy supply, APEC accounted for more than 50% of the world's total primary energy supply (TPES) between 1990 and 2014 (Figure 2.3). The four percentage point increase in its share to the world TPES in 2014 compared to 1990 levels can be attributed to its rising income for the last 20 years.

Figure 2.3 • World total primary energy supply, 1990 and 2014



Source: World Bank

Energy supply trends in APEC

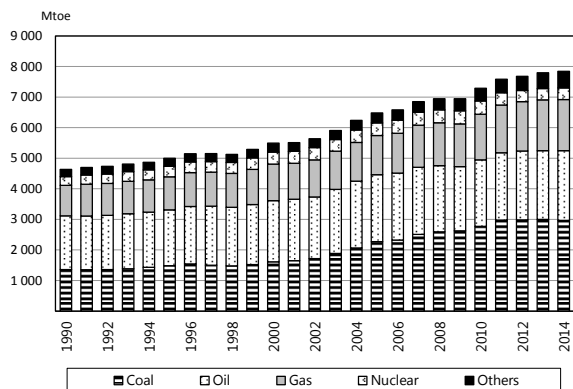
Total primary energy supply

In 2014, total primary energy supply in APEC was 7 844 Mtoe representing a 0.6% expansion from the 2013 levels (7 795 Mtoe). This rate was slower as compared to its annual average growth rate (AAGR) of 2.2% between 1990 and 2014 and the previous year's (2013) 1.7% increase (Figure 2.4).

Coal which took over oil as the major fuel in APEC in 2005, continued to dominate APEC TPES in 2014 with 38% share (Figure 2.5). Its absolute volume however, slightly decrease from 2 998 Mtoe in 2013 to 2 969 Mtoe in 2014. Over the period 1990 to 2014, it has an AAGR of 3.3%.

Oil was the second largest fuel in APEC in 2014, maintaining its share of 29% of TPES since 2010. It grew modestly from 2013 to 2014 at 1.4%, a bit higher compared to 1.1% AAGR during the period 1990 to 2014.

Figure 2.4 • Total primary energy supply, 1990-2014



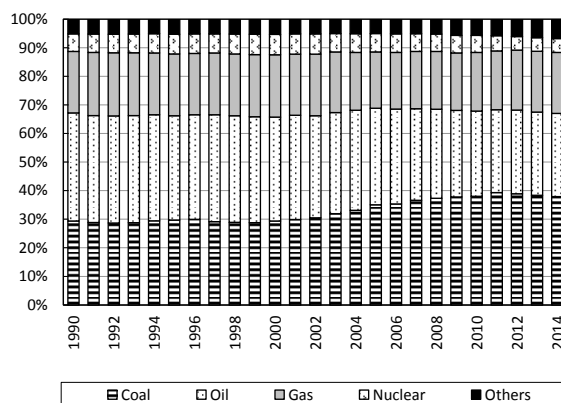
Source: APEC data

Gas supply which has shown significant increases for the last two decades (2.2% AAGR between 1990 and 2014) marginally increased by 0.5% from 2013 to reach 1 669 Mtoe (21% of TPES) in 2014. This can be attributed to the decrease in gas supply in Russia – second largest (22%) in terms of APEC total gas supply in 2014 – by 5.9% in 2014 over 2013.

In APEC TPES, nuclear supply continued to be very minimal with a share of 5% in 2014. Albeit its small share from the TPES, it grew significantly in 2014 from the 2013 level at 3.1% owing to the 18.7% increase in China in the same period. Since 1990, nuclear supply grew by 1.2% on the average annually up to 2014.

Other fuels which include hydro, and other renewable energy, grew the highest at 5.2% among all the fuels in 2014 against 2013. With a modest share, about 7% of the APEC TPES, its AAGR over the period 1990 to 2014 was notable at 3.4%.

Figure 2.5 • Primary energy mix, 1990-2014

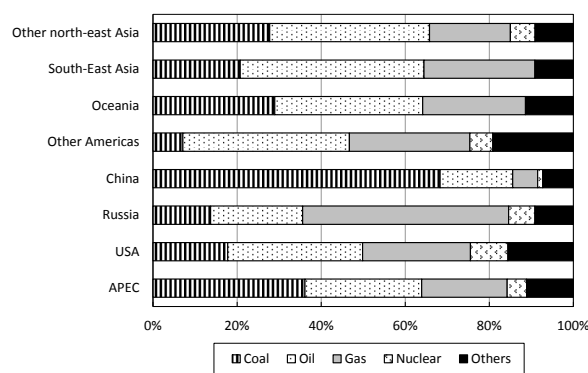


Source: APEC data

Primary energy mix by region

Fossil fuels dominated the primary energy mix in APEC with more than 80% share on average since 1990 to 2014. Shares of each fuel in 2014 was almost the same as 2013 in total APEC, but mixes of primary energy per region, varied. Oil was the main energy source in most regions in APEC, which ranged between 35% and 44% of the respective regions’ primary energy mix in 2014. In China however, coal dominated the primary energy mix with 69% share of its total supply while gas was the major fuel in Russia accounting for more than 52% of its primary energy mix. The share of other fuels was higher in other Americas (20%) in 2014 while nuclear is higher in the USA (10%) compared to other regions (Figure 2.6).

Figure 2.6 • Primary energy mix by region, 2014

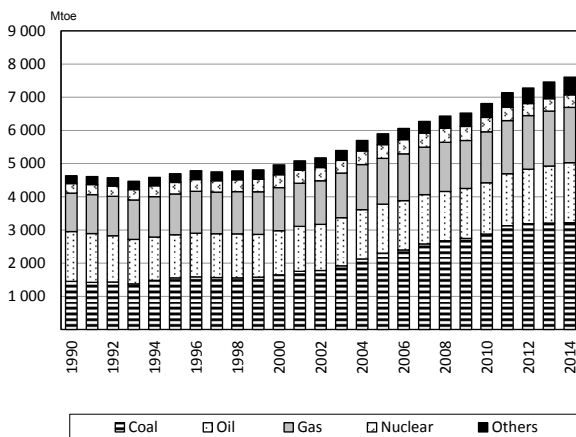


Source: APEC data

Indigenous production

Indigenous energy production increased marginally (2.0%) in 2014 (7 618 Mtoe) from the 2013 levels (7 471 Mtoe). Although there were no drop recorded in energy production in APEC from 2013 to 2014, lower growth rates (as compared to growth rates observed in the previous year) were seen in other fuels (10.1% to 5.6%) and gas (2.8% to 0.3%). During the last four years, the AAGR of indigenous production between the periods 1990 to 2014 remain the same at 2.1% (Figure 2.7).

Figure 2.7 • APEC indigenous production, 1990-2014



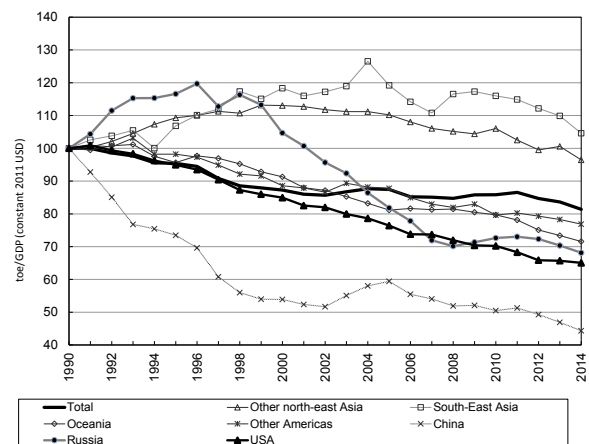
Source: APEC data

Primary energy intensity

Primary energy intensity [*Total primary energy supply/GDP*¹ (2011) USD PPP] was 191.6 toe/million (2011) USD PPP in 2014, a 2.4% reduction over the previous year's primary energy intensity level and 19% improvement over the 1990 level (235.1 toe/million (2011) USD PPP). On regional level, China's primary energy intensity has improved significantly during the last two decades with 56% reduction followed by the United States (-35%) and Russia (-32%) (Figure 2.8).

¹ GDP based on 2011 USD PPP.

Figure 2.8 • Primary energy intensity by region, 1990-2014

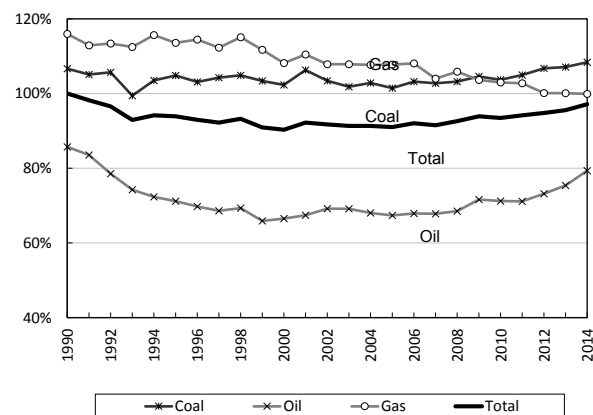


Sources: APEC data (TPES) and World Bank (GDP)

Self-sufficiency

The overall self-sufficiency level (*Indigenous production/ Total primary energy supply*) in APEC was 97.1% in 2014. A minimal increase over the 2013 level (95.8%) but still comparable to the high levels observed since 1990 (Figure 2.9). The self-sufficiency ratio of oil was the lowest (79%) among all the fuels in APEC in 2014.

Figure 2.9 • APEC energy self-sufficiency, 1990-2014



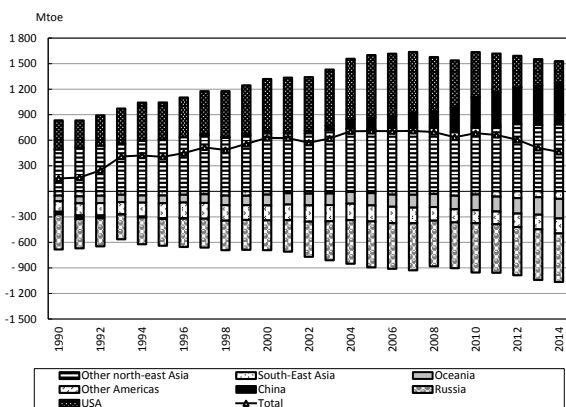
Source: APEC data

Net imports by region

While imports declined by 1% in 2014 over 2013

levels, APEC region as a whole was a net importer. Its net imports (*Imports – Exports*) reached 465 Mtoe in 2014. This is 9% lower than net import levels observed in 2013. Between the periods 1990 to 2014, the AAGR of net imports was 4.8% (Figure 2.10). On regional level, other north-east Asia, China and the US were net importers in 2014 while the remaining regions in APEC were net exporters.

Figure 2.10 • Net imports by region, 1990-2014



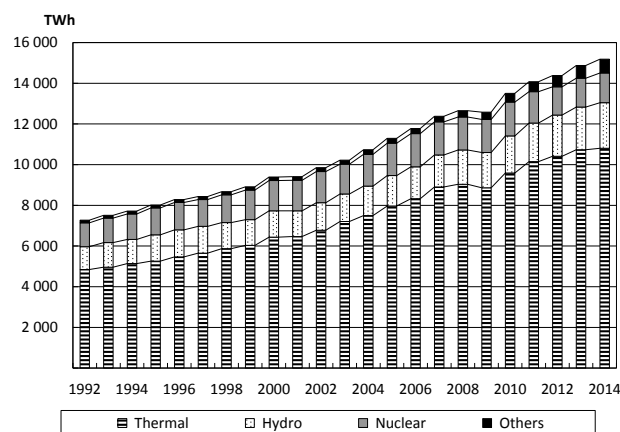
Source: APEC data

Power generation

With electricity demand in APEC continuously increasing, power generation between 1990 and 2014 expanded by 3.3% annually on the average. In 2014, power generation increased by 2.1% to reach 15 183 TWh from its 2013 levels of 14 870 TWh.

Electricity sourced from fossil fuels continued to dominate the total power generation in APEC with more than 70% share in 2014, albeit its slight increase from 2013 to 2014 at 0.7%. This was way below its AAGR from 1990 to 2014 at 3.6% (Figure 2.11). Power generated from hydropower and nuclear came second (15% share) and third (10% share), respectively of APEC’s power generation in 2014.

Figure 2.11 • Power generation by type, 1990-2014



Source: APEC data

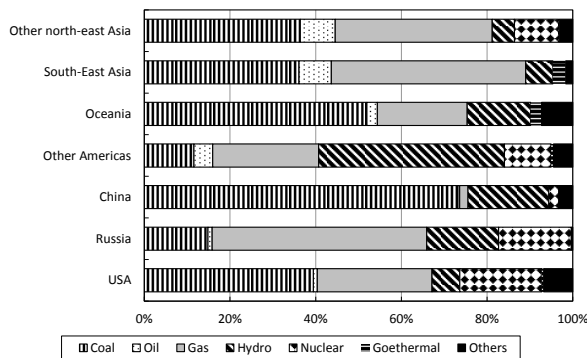
Although its share from the total power generation was small (4.1% share), increase from other power sources [other renewables (9.8%)] and geothermal (4.5%) offset the minimal increase in thermal power generation in 2014.

Power generation mix by region

While fossil fuels dominated power generation in total APEC, power generation mix by region varied in 2014 (Figure 2.12). The increase in coal generation was mainly driven by the share of China (73%), while gas generation by Russia with more than 50% share of gas generation in APEC in 2014. Hydropower generation increased from 2 102 TWh in 2013 to 2 238 TWh in 2014 due in part to the more than 40% share of hydropower generation in China and in other Americas (21%) in 2014. The 4.5% increase in electricity generation from geothermal was driven by the increases in Oceania (12%) and South-East Asia (7%), with a combined geothermal generation of 28 TWh in 2014 as against its 2013 levels of 25 TWh. Nuclear power generation continued to recover from the previous years’ (2011 and 2012) decreases with 3.1% increase from 2013 power generation levels to reach 1 460 TWh in 2014. The United States and other

north-east Asia contributed to its expansion with a combined share of more than 70% of nuclear power generation in APEC in 2014.

Figure 2.12 • Power generation mix by region, 2014



Source: APEC data

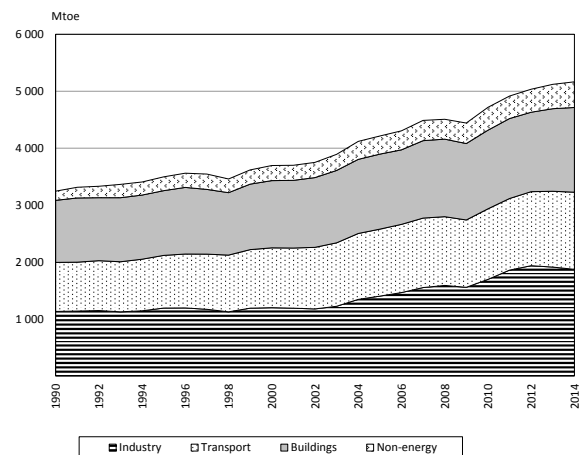
Energy demand trends in APEC

Total final energy consumption by sector

Final energy consumption in APEC reached 5 167 Mtoe in 2014, a modest increase (1%) from the 2013 levels of 5 116 Mtoe. Between 1990 and 2014 total final energy consumption (TFEC) more than doubled but the AAGR remained at 2.0%.

In 2014, industry was the leading consuming sector (36%) followed by the buildings sector² [(29%) residential, commercial and agriculture sub-sectors combined] then transport sector (26%) and finally non-energy use (9%) (Figure 2.13). While the industry was the major energy consuming sector in APEC, it declined by 2.1% from its 2013 consumption levels to reach 1 869 Mtoe in 2014. If non-energy use is included, total industry consumption reached 2 323 Mtoe or more than 40% of TFEC in 2014.

Figure 2.13 • Total final energy consumption in APEC by sector, 1990-2014



Source: APEC data

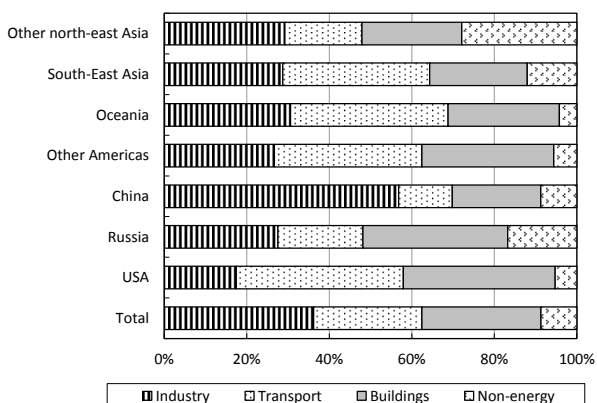
Non-energy use in industry should not be overlooked, having increased faster (6.3% from 2013 to 2014) than the other major energy sectors from 1990 to 2014 with AAGR of 4.4%. The buildings sector as well as transport sector, though posted positive increases between the periods 1990 and 2014, fell short of their previous growths (3.9% in 2013 to 2.6% in 2014 and 2.3% in 2013 to 2% in 2014, respectively).

Sectoral consumption by region varied in 2014 (Figure 2.14). Energy consumption in the industry sector (57% of APEC TFEC) was largest in China, owing to the economy's rapid growth in industrial activity over the last two decades that resulted in its emergence as the 'factory' of the world. The size and high consumption levels of buildings sector in the United States and China put their combined share at more than 60% of the total APEC buildings consumption in 2014. The surge of energy consumption in APEC's transport sector were due largely to robust demand growth in most of the regions in APEC in the last two decades. Rapidly increasing income per capita and urbanisation

² Same as 'Other sector' in Appendices.

contributed to the growth of transport demand in APEC.

Figure 2.14 • Total final energy consumption in APEC by region by sector, 2014

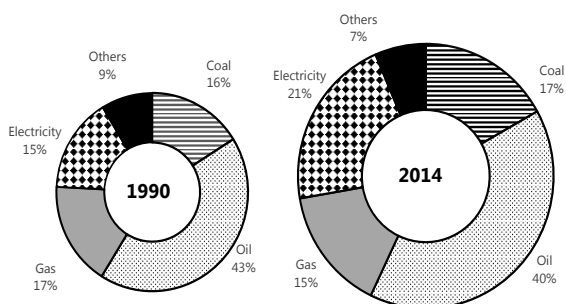


Source: APEC data

Final energy consumption by energy source

Oil dominated the final energy consumption in APEC for the last two decades. It accounted for 40% of the TFEC in 2014, electricity came next with 21% share then oil with 17% (Figure 2.15).

Figure 2.15 • Total final energy consumption by energy source, 1990 and 2014



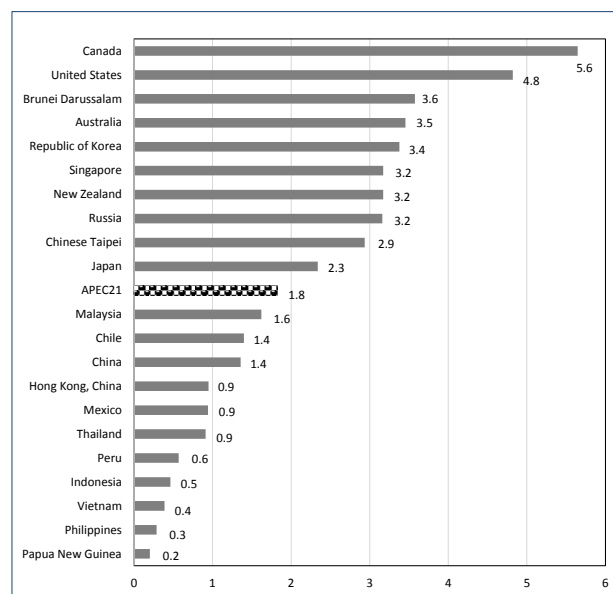
Source: APEC data

Other fuels (renewables) may be the least in terms of share (6%) in APEC in 2014 but it grew the biggest (3.4% in 2014 from its 2013 levels) among the major fuels. Gas consumption also significantly grew next to other fuels at 2.8%.

Final energy consumption per capita

The region's diverse grouping of economies includes some of the world's most energy-intensive (Brunei Darussalam, Canada and the United States) and also the least energy-intensive (Papua New Guinea, Peru and the Philippines).

Figure 2.16 • Energy consumption per capita, 2014



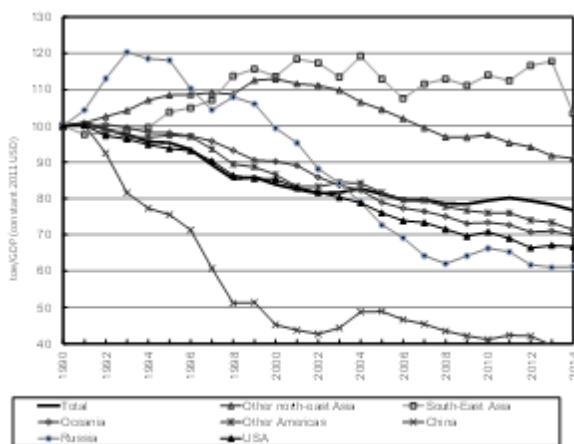
Sources: APEC data (TFEC) and World Bank (Population)

As GDP per capita in APEC rose significantly, so was its consumption per capita [1.8 tonnes of oil equivalent (toe)] in 2014 (Figure 2.16). Despite the strong demand growth in China and South-East Asia reflecting strong overall economic development, energy demand per capita in both China and South-East Asia remained well below the APEC average. For example, China's final energy demand per capita in 2014 was 1.4 toe and that of South-East Asia was 1.5 toe on average, as compared with Canada (biggest at 5.6 toe) and the United States (second biggest at 4.8 toe).

Final energy intensity

Final energy intensity [Total final energy supply/GDP (2011) USD PPP] in APEC continued to be on downward trend for the last two decades. A 23.3% energy intensity reduction was noted from 1990 to 2014 or an annual reduction of 1.1% on average. In 2014, final energy intensity was recorded at 126 toe/million (2011) USD PPP representing a 2% improvement from the 2013 final energy intensity level of 129 toe/million (2011) USD PPP (Figure 2.17).

Figure 2.17 • Final energy intensity by region, 1990-2014



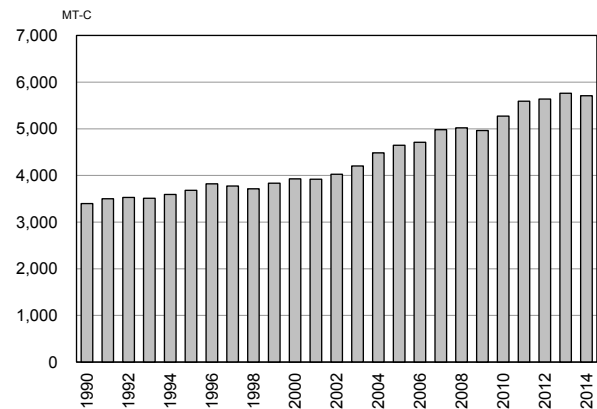
Sources: APEC data (FEC) and World Bank (GDP)

CO₂ emissions

The data for CO₂ emissions in 2014 were collected from seven member economies: Canada; Hong Kong, China; Japan; Mexico; Chinese Taipei; Thailand and the United States. The CA estimated the CO₂ emissions of other member economies. The estimated CO₂ emissions from fuel combustion in APEC was 5 707 Mt-C in 2014 (Figure 2.18). This represented a slight decreased of 1% from 5 763 Mt-C in 2013 or 2.2% annually on average from 1990 to

2014.

Figure 2.18 • CO₂ Emission in the APEC region, 1990-2014



Source: APEC data

Energy balance tables

This section presents the 2014 aggregate energy balance table of APEC. Note that the export/import row does not show the volume of trade between the APEC region and the rest of the world.

Some of the salient points shown in the table are as follows:

- 57.0% of coal was used for power generation.
- The category "Other" consisted mainly of waste and renewable energy, such resources were used to generate electricity and were consumed in the industrial sector and the residential/commercial sector.
- Oil and petroleum products accounted for 40.1% of final energy consumption, followed (in order) by electricity (21.1%), coal (17.4%), and gas (14.9%).
- Heat accounted for 3.9% of final energy consumption.

Table 2.1 • APEC energy balance table (Mtoe), 2014

	1 Coal	2 Coal products	3 Crude Oil, NGL and condensate	4 Petroleum products	5 Gas	6 Hydro	7 Nuclear	8 Geothermal, solar, etc	9 Others	10 Electricity	11 Heat	12 Total
1 Indigenous Production	3 217		1 809		1 666	202	381	82	261			7 618
2 Import	435	10	1 273	493	371				3	10		2 595
3 Export	- 656	- 9	- 555	- 535	- 362				- 4	- 10		- 2 130
4 International Marine Bunkers				- 101								- 101
5 International Aviation Bunkers				- 79								- 79
6 Stock Change	- 24	- 4	- 14	- 10	- 6				- 1			- 59
7 Total Primary Energy Supply	2 972	- 3	2 513	- 232	1 669	202	381	82	260	1		7 844
8 Main Activity Producer	-1 530	- 9	- 7	- 47	- 577	- 197	- 381	- 70	- 56	1 193	122	-1 560
9 Autoproducer	- 171	- 42	- 1	- 32	- 122	- 5		- 8	- 32	113	123	- 177
10 Gas Processing	- 7			4	- 4							- 8
11 Petroleum Refineries			-2 434	2 399								- 35
12 Coal Transformation	- 531	260		- 1								- 272
13 Other Transformation			23	- 11	- 8				- 54			- 50
14 Loss & Own Use	- 51	- 18	- 6	- 105	- 177					- 205	- 40	- 603
15 Discrepancy	6	- 4	- 16	5	5				5	- 2		- 2
16 Total Final Energy Consumption	687	184	6	2 074	785			4	123	1 099	205	5 167
17 Industry Sector	536	155		208	298				63	510	98	1 869
18 Transport Sector	3			1 259	73					21		1 356
19 Other Sector	105	6		293	345			4	60	568	107	1 487
19.1 Residential & Commercial	70	6		149	338			4	54	501	101	1 223
19.2 Agriculture	13			55	3				5	16	2	95
19.3 Other	21			90	4				1	50	3	169
20 Non-energy	43	23	6	315	68							455

Source: APEC data

3 Energy balance and other tables by member economy

Australia

Energy Balance Table of Australia

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	285 440		19 081						
Import	74	52	22 611	20 753	2 777		2 930		11 441
Export	-242 283	- 549	-12 448	-2 082	- 117		- 1		- 55
International Marine Bunkers				- 720					- 35
International Aviation Bunkers				-3 915			-3 915		
Stock Changes	-1 200	- 22	80	349	107	3	- 5	- 1	364
Total Primary Energy Supply	42 030	- 519	29 324	14 385	2 767	3	- 991	- 1	11 715
Transfers			750	4 700					
Total Transformation Sector	-40 145	1 977	-29 424	27 849	10 635	128	4 231	5	9 818
Main Activity Producer	-37 265	- 21		- 188					- 132
Autoproducers				- 917					- 747
Gas Processing				90					
Petroleum Refineries			-29 657	28 864	10 635	128	4 231	5	10 697
Coal Transformation	-2 881	1 997							
Other Transformation			233						
Loss & Own Use		- 935	- 57	-4 297	- 5			- 7	-2 504
Discrepancy	87	- 23	- 577	139	1 096	- 3	- 270	20	- 982
Total Final Energy Consumption	1 971	501	16	42 776	14 492	128	2 971	17	18 049
Industry Sector	1 966	501	16	4 462	13			3	3 181
Iron and Steel	56	359		19					11
Chemical & Petrochemical	142	5		203				2	170
Non-metallic Minerals	416	12		153					21
Other Industries	1 352	125	16	4 087	13			1	2 979
Transport Sector				31 003	14 336		2 971		12 432
Domestic Air Transport				3 025	54		2 971		
Road				26 361	14 002				11 156
Rail				970					970
Inland Waterways				513	274				192
Pipeline Transport				3					
Non-specified Transport				131	6				114
Other Sector	5			5 284	144	128		14	2 436
Residential				380					24
Commerce and Public Services	5			721				8	573
Agriculture				2 026	144			1	1 838
Non-specified Others				2 156		128		5	
Non-energy				4 184		128		5	
2013									
Indigenous Production	264 517		19 959						
Import	35	26	24 108	20 095	2 821		2 695		10 683
Export	-216 689	- 686	-13 231	-2 290	- 95		- 11		- 77
International Marine Bunkers				- 626					- 29
International Aviation Bunkers				-3 629			-3 629		
Stock Changes	-3 516	35	172	- 55	- 78	- 4	- 30		- 100
Total Primary Energy Supply	44 347	- 625	31 008	13 496	2 647	- 4	- 974		10 476
Transfers			890	4 360					
Total Transformation Sector	-42 538	2 098	-31 325	30 179	11 848	102	4 696	2	9 883
Main Activity Producer	-39 395	- 25		- 252					- 184
Autoproducers				-1 241					-1 045
Gas Processing				89					
Petroleum Refineries			-31 553	31 583	11 848	102	4 696	2	11 112
Coal Transformation	-3 144	2 122							
Other Transformation			228						
Loss & Own Use		- 991	- 45	-4 341	- 2			- 20	-2 426
Discrepancy	120	- 20	- 513	- 853	452	5	- 798	35	- 381
Total Final Energy Consumption	1 928	461	14	42 841	14 945	103	2 924	16	17 552
Industry Sector	1 926	461	14	4 867	16			3	3 101
Iron and Steel	65	309		19					11
Chemical & Petrochemical	152	21		716				2	149
Non-metallic Minerals	441	6		893					22
Other Industries	1 269	126	14	3 762	16			1	2 918
Transport Sector				30 977	14 784		2 924		12 013
Domestic Air Transport				2 985	61		2 924		
Road				26 368	14 434				10 747
Rail				947					946
Inland Waterways				533	282				203
Pipeline Transport				3					
Non-specified Transport				141	7				117
Other Sector	2			5 195	146	102		13	2 437
Residential				386					23
Commerce and Public Services	2			642				7	555
Agriculture				2 049	146			1	1 859
Non-specified Others				2 118		102		5	
Non-energy				3 920		103		5	

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					52 905	1 584		1 616	5 086			365 711
1 286	424			1 894	5 964							49 455
- 44	-1 524			- 341	-27 176							-284 538
- 686												- 720
- 11	- 48			- 60								-3 915
- 11	- 48			- 60								- 794
545	-1 148			1 494	31 693	1 584		1 616	5 086			125 199
	2 264		514	1 922								5 450
499	645	1 048		840	-11 409	-1 584		-1 300	-967	21 354		-33 650
- 23				- 32	-8 665	-1 584		- 883	- 247	19 259		-29 593
- 134				- 36	-2 742			- 417	- 487	2 095		-2 469
				90								90
656	645	1 048		819								- 793
												- 883
									- 233			- 2
- 67	- 14	-1 048	- 45	- 607	-7 244					-3 461		-15 993
- 327	374	14		216	449							74
650	2 120	14	470	3 865	13 489			316	4 119	17 893		81 081
584	206	14		460	7 829				2 833	6 836		24 442
4	1			3	288					282		1 004
17		14			1 670				110	353		2 484
6	91			34	1 152				44	377		2 155
557	114			423	4 790				2 679	5 823		18 869
48	1 207			11	287					410		31 701
												3 025
	1 203				67							26 428
										218		1 188
48												513
				3	209					20		232
	3			8	11					173		315
18	479			2 065	4 574			316	1 286	10 647		22 111
	355				3 415			307	1 237	4 991		10 329
18	80			42	1 129			9	49	5 445		7 358
	43				30					212		2 268
				2 023								2 156
	229		470	3 352	800							4 984
					52 130	1 571		1 328	5 068			344 572
1 616	538			1 743	5 602							49 867
- 213	-1 479			- 415	-27 476							-260 371
- 596												- 626
												-3 629
- 40	91			105								-3 364
767	- 850			1 433	30 256	1 571		1 328	5 068			126 450
	2 079		493	1 788								5 250
726	717	1 195		1 010	-11 123	-1 571		-1 014	- 781	21 476		-34 600
- 26				- 41	-8 448	-1 571		- 686	- 200	19 467		-31 110
- 151				- 46	-2 673			- 329	- 353	2 009		-2 586
				89								89
904	717	1 195		1 008								30
												-1 021
									- 228			- 2
- 68	- 9	-1 173	- 29	- 613	-7 126					-3 383		-15 887
- 642	226	8		243	1 174					- 18		- 111
783	2 162	30	464	3 861	13 181			314	4 287	18 075		81 102
734	227	30		757	7 770				2 980	6 849		24 868
3	1			4	316					291		1 000
15	520	30			1 457				104	374		2 824
6	108			757	1 233				37	392		3 001
709	117				4 764				2 839	5 792		18 566
48	1 193			15	287					411		31 675
												2 985
	1 187				63							26 431
	1									214		1 162
48												533
				3	215					30		248
	5			12	9					166		316
2	483			2 011	4 395			314	1 307	10 815		22 029
	362				3 328			305	1 261	5 206		10 486
2	77				1 048			9	46	5 418		7 165
	43				19					191		2 259
				2 011								2 118
	260		464	3 089	729							4 649

Major Energy Indicators of Australia

ktoe

	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	86 439	108 132	113 506	127 615	128 332	126 721	126 450	125 199
Indigenous Production	157 587	233 584	265 188	323 688	312 840	320 973	344 572	365 711
Import	14 398	26 382	31 109	42 907	46 618	47 402	49 867	49 455
Export	-78 918	-153 517	-179 855	-228 863	-226 387	-234 167	-260 371	-284 538
Final Energy Consumption	56 629	69 583	72 245	77 002	78 533	78 995	81 102	81 081
Industry	19 318	23 793	22 271	23 148	23 320	23 692	24 868	24 442
Transport	21 111	25 658	27 154	29 979	30 916	31 114	31 675	31 701
Residential	7 489	9 061	9 286	10 253	10 478	10 454	10 486	10 329
Commerce & Public Services	3 475	5 041	6 236	6 972	7 000	6 977	7 165	7 358
Others	5 236	6 032	7 298	6 650	6 819	6 759	6 909	7 251
Coal, Coal Products								
Primary Energy Supply	35 129	48 147	51 035	50 470	48 099	47 025	43 722	41 512
Indigenous Production	106 103	164 578	201 579	246 564	233 641	245 351	264 517	285 440
Import			14	43	161	87	62	126
Export	-67 267	-121 426	-150 990	-190 391	-184 398	-195 162	-217 375	-242 832
Transformation Sector	-30 182	-42 481	-46 694	-46 721	-44 521	-43 519	-40 441	-38 169
Power Generation	-28 773	-41 069	-45 459	-44 832	-42 734	-42 274	-39 419	-37 285
Final Energy Consumption	4 375	4 130	3 766	2 628	2 542	2 485	2 390	2 472
Industry	4 170	3 995	3 512	2 521	2 466	2 422	2 387	2 467
Transport	72	88	181	94	67	57		
Residential	12	2	3					
Commerce & Public Services	120	45	69	13	10	6	2	5
Others								
Crude Oil								
Primary Energy Supply	33 074	36 577	33 973	31 910	34 305	32 602	31 008	29 324
Indigenous Production	29 026	33 910	25 673	25 537	24 403	22 869	19 959	19 081
Import	10 210	22 314	21 377	22 096	25 961	24 093	24 108	22 611
Export	-5 856	-19 365	-13 190	-15 150	-16 468	-14 621	-13 231	-12 448
Transformation Sector	-30 676	-37 538	-34 075	-32 017	-33 743	-32 880	-31 325	-29 424
Petroleum Refineries	-30 676	-37 538	-34 094	-32 186	-33 968	-33 090	-31 553	-29 657
Petroleum Products								
Primary Energy Supply	-1 873	-2 425	2 940	9 683	8 852	11 401	13 496	14 385
Import	4 188	4 068	9 719	15 918	14 885	18 227	20 095	20 753
Export	-3 446	-3 463	-3 296	-2 437	-2 190	-2 330	-2 290	-2 082
Transformation Sector	31 063	37 686	33 556	30 940	32 280	31 064	30 179	27 849
Power Generation	- 946	- 525	- 824	-1 393	-1 331	- 853	-1 493	-1 105
Petroleum Refineries	32 061	38 257	34 411	32 342	33 617	31 908	31 583	28 864
Final Energy Consumption	28 994	34 716	36 569	39 138	40 824	41 505	42 841	42 776
Industry	2 886	3 548	3 075	3 154	3 700	4 240	4 867	4 462
Transport	20 873	25 064	26 312	29 281	30 250	30 443	30 977	31 003
Residential	378	350	293	366	385	378	386	380
Commerce & Public Services	256	313	493	624	625	638	642	721
Others	4 601	5 443	6 395	5 713	5 864	5 806	5 970	6 210
Natural Gas								
Primary Energy Supply	14 786	19 269	18 967	28 432	29 910	28 560	30 256	31 693
Indigenous Production	17 135	28 532	31 346	44 467	47 631	45 620	52 130	52 905
Import				4 851	5 610	4 995	5 602	5 964
Export	-2 349	-9 263	-12 379	-20 886	-23 331	-22 055	-27 476	-27 176
Transformation Sector	-3 905	-4 355	-5 680	-9 759	-10 077	-11 058	-11 123	-11 409
Power Generation	-3 470	-4 059	-5 404	-9 759	-10 077	-11 058	-11 121	-11 407
Final Energy Consumption	8 809	11 458	12 455	12 582	12 659	12 665	13 181	13 489
Industry	5 685	7 165	7 652	7 419	7 441	7 446	7 770	7 829
Transport	10	305	364	289	270	263	287	287
Residential	1 934	2 563	2 776	3 101	3 184	3 243	3 328	3 415
Commerce & Public Services	750	1 084	966	1 049	1 058	1 052	1 048	1 129
Others	431	341	697	724	705	662	748	830
Electricity								
Power Generation	13 332	18 079	19 664	21 732	21 840	21 600	21 476	21 354
Thermal	11 343	15 938	16 257	19 362	19 142	18 951	18 338	17 736
Hydro	1 280	1 438	1 343	1 165	1 445	1 211	1 571	1 584
Nuclear								
Others	709	703	2 065	1 205	1 253	1 438	1 567	2 033
Final Energy Consumption	11 112	14 856	16 274	18 060	18 252	18 053	18 075	17 893
Industry	5 090	6 624	6 369	7 061	7 009	6 881	6 849	6 836
Transport	155	201	297	316	330	350	411	410
Residential	3 315	4 194	4 717	5 216	5 378	5 287	5 206	4 991
Commerce & Public Services	2 348	3 590	4 685	5 255	5 285	5 244	5 418	5 445
Others	204	248	206	213	250	291	191	212

Major Economic Indicators of Australia

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	17.07	19.15	20.39	22.03	22.34	22.73	23.12	23.46
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	636	881	1 033	1 190	1 218	1 262	1 293	1 325
Real Term (Billions of 2010 Price and 2010 PPP)	462	639	750	863	883	916	938	961
Nominal (Billions of Current USD)	315	383	704	1 190	1 454	1 544	1 472	1 428
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	37 296	46 006	50 671	53 992	54 514	55 530	55 927	56 478
Real Term (2010 Price and 2010 PPP)	27 056	33 374	36 759	39 168	39 547	40 284	40 572	40 972
Nominal (Current USD)	18 484	20 000	34 521	53 992	65 094	67 926	63 659	60 875
Nominal GDP & its Components (Billions of Current AUD) *1								
Gross Domestic Product	404	661	922	1 297	1 410	1 491	1 524	1 585
Household Final Consumption Expenditure	223	384	533	719	762	801	836	878
General Government Final Consumption Expenditure	69	117	160	233	251	269	274	283
Gross Fixed Capital Formation	112	172	249	360	376	418	431	433
Stock Change	5	2	4	- 2	6	5	2	- 2
Exports of Goods and Services	61	128	167	252	298	317	302	331
Imports of Goods and Services	69	142	192	265	283	319	321	339
Real GDP & its Components (Billions of 2013 AUD) *1								
Gross Domestic Product	761	1 054	1 236	1 422	1 456	1 509	1 546	1 585
Household Final Consumption Expenditure	404	558	681	791	821	842	856	878
General Government Final Consumption Expenditure	141	190	221	258	266	277	279	283
Gross Fixed Capital Formation	148	218	284	372	386	429	439	433
Stock Change	7	2	8	- 2	5	4	2	- 2
Exports of Goods and Services	99	211	237	280	282	296	313	331
Imports of Goods and Services	72	138	200	279	307	343	345	339
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	2.6	2.7	2.5	2.4	2.4	2.4	2.3	2.2
Industry	27.7	25.4	24.6	24.7	24.6	25.0	25.0	25.3
Services, etc.	62.2	64.1	65.3	65.9	66.0	65.7	65.9	65.8
Industrial Production Index (2010=100) *2	72.2	90.2	94.4	100.0	101.1	104.6	106.9	111.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	39.75	63.87	106.10	212.63	271.73	256.68	252.98	241.24
Imports, c.i.f.	41.99	71.53	125.28	201.64	243.70	260.94	242.14	236.93
Balance of Payments (Billions of Current USD) *2								
Trade Balance	0.50	-4.89	-14.27	11.34	22.48	-12.19	4.28	0.32
Current Account	-15.53	-15.49	-43.34	-44.71	-44.52	-68.01	-49.95	-40.72
Overall Balance	1.26	-2.14	5.97	-0.47	4.68	1.40	5.39	3.11
Foreign Exchange Rate (AUD/USD) *1	1	2	1	1	1	1	1	1
PPP conversion factor, GDP (AUD/International Dollar) *1	1	1	1	2	2	2	1	1
Price Indices								
GDP Deflator (2013=100) *3	53.1	62.7	74.6	91.2	96.8	98.8	98.6	100.0
Manufacturing Output (2010=100) *2	66.4	75.9	86.7	100.0	103.4	102.9	104.0	107.2
Consumer Price Index (2010=100) *2	59.8	74.4	86.4	100.0	103.3	105.1	107.7	110.4
Growth Rate (%) *3								
Real GDP	3.53	3.87	3.21	2.02	2.38	3.63	2.44	2.50
Population	1.49	1.20	1.33	1.57	1.40	1.74	1.71	1.50
Price								
Manufacturing Output	5.97	7.15	5.96	1.92	3.39	-0.47	1.08	3.11
Consumer Price Index	7.27	4.48	2.67	2.85	3.30	1.76	2.45	2.49

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: AUD means Australian Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Brunei Darussalam

Energy Balance Table of Brunei Darussalam

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production			6 691						
Import			7	392	174		19		186
Export			-6 209	- 85			- 7		- 9
International Marine Bunkers									
International Aviation Bunkers				- 76			- 76		
Stock Changes			- 89	- 20	- 10			- 3	- 7
Total Primary Energy Supply			400	211	164		- 63	- 3	170
Transfers									
Total Transformation Sector			- 382	403	126		68		106
Main Activity Producer				- 11					- 11
Autoproducers									
Gas Processing				18					
Petroleum Refineries			- 382	397	126		68		117
Coal Transformation									
Other Transformation									
Loss & Own Use				- 13					
Discrepancy			- 18	21	5		2	2	13
Total Final Energy Consumption				624	295			6	289
Industry Sector									
Iron and Steel				123				6	101
Chemical & Petrochemical					3				
Non-metallic Minerals									
Other Industries				119				6	101
Transport Sector									
Domestic Air Transport				456	295				160
Road				456	295				160
Rail									
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential				45					28
Commerce and Public Services				17					
Agriculture									
Non-specified Others				28					28
Non-energy									
2013									
Indigenous Production			7 133						
Import			10	299	106		17		160
Export			-6 707	- 87			- 4		- 5
International Marine Bunkers									
International Aviation Bunkers				- 88			- 88		
Stock Changes			44	- 9	- 1		1		- 7
Total Primary Energy Supply			479	115	105		- 75		148
Transfers									
Total Transformation Sector			- 479	514	178		77		132
Main Activity Producer				- 11					- 11
Autoproducers									
Gas Processing				17					
Petroleum Refineries			- 479	507	178		77		143
Coal Transformation									
Other Transformation									
Loss & Own Use				- 16					
Discrepancy				21	4		- 2	7	12
Total Final Energy Consumption				634	287			7	292
Industry Sector									
Iron and Steel				139				7	115
Chemical & Petrochemical					15				
Non-metallic Minerals									
Other Industries				124				7	115
Transport Sector									
Domestic Air Transport				447	287				159
Road				447	287				159
Rail									
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential				35					18
Commerce and Public Services				17					
Agriculture									
Non-specified Others				18					18
Non-energy									
				13					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
				13	10 910							17 601
- 70					- 7 652							399
												-13 946
												- 76
												- 73
- 70				13	3 294							3 906
70	18	16			-1 329					388		- 921
					-1 138					345		- 804
					- 174					43		- 131
70	18	16			- 17							1
												15
		- 13			-1 365					- 60		-1 438
	- 1				- 20					- 39		- 56
	17	3		13	580					289		1 492
		3		13						17		140
		3			373					3		379
				13						15		134
				1								456
				1								456
	17				19					271		336
	17				19					115		152
										156		156
												28
					560							560
					11 216							18 349
- 78				16	-8 467							309
												-15 261
												- 88
				- 1	- 31							4
- 78				15	2 718							3 313
78	17	32			-1 280					379		- 866
					-1 105					339		- 777
					- 157					40		- 117
78	17	32			- 17							28
		- 16			-1 227					- 69		-1 312
	- 1			1	- 1					- 38		- 18
	17	15		16	211					271		1 116
		15		2						16		156
		15								1		16
				2						15		139
				1								447
				1								447
	17				23					255		313
	17				23					115		155
										140		140
												18
				13	187							200

Major Energy Indicators of Brunei Darussalam

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	2 148	2 090	3 722	3 706	4 310	4 192	3 313	3 906
Indigenous Production	15 899	17 258	21 589	20 630	20 749	20 016	18 349	17 601
Import	67	24	54	155	276	384	309	399
Export	-13 780	-15 245	-17 866	-17 154	-16 555	-16 087	-15 261	-13 946
Final Energy Consumption	422	745	871	981	1 824	1 990	1 116	1 492
Industry	82	170	164	205	179	203	156	140
Transport	177	258	317	395	431	451	447	456
Residential	45	38	138	144	147	158	155	152
Commerce & Public Services			119	134	141	143	140	156
Others	118	279	133	104	927	1 036	218	588
Coal, Coal Products								
Primary Energy Supply								
Indigenous Production								
Import								
Export								
Transformation Sector								
Power Generation								
Final Energy Consumption								
Industry								
Transport								
Residential								
Commerce & Public Services								
Others								
Crude Oil								
Primary Energy Supply	327	600	720	698	723	530	479	400
Indigenous Production	7 752	9 092	10 430	9 219	8 859	8 448	7 133	6 691
Import		10	14	14	11	8	10	7
Export	-7 424	-8 616	-9 739	-8 718	-8 078	-7 896	-6 707	-6 209
Transformation Sector	-256	-645	-703	-733	-708	-513	-479	-382
Petroleum Refineries	-256	-645	-703	-733	-708	-513	-479	-382
Petroleum Products								
Primary Energy Supply	35	-34	-14	34	33	220	115	211
Import	67	15	41	142	265	377	299	392
Export	-3	-1			-121	-77	-87	-85
Transformation Sector	345	568	621	636	605	445	514	403
Power Generation	-3	-5	-7	-10	-10	-11	-11	-11
Petroleum Refineries	347	573	628	645	599	438	507	397
Final Energy Consumption	308	510	582	664	624	666	634	624
Industry	46	119	115	150	160	185	139	123
Transport	177	258	317	395	431	451	447	456
Residential	12	15	17	16	17	17	17	17
Commerce & Public Services								
Others	72	118	133	104	17	14	30	28
Natural Gas								
Primary Energy Supply	1 785	1 524	3 016	2 975	3 555	3 442	2 718	3 294
Indigenous Production	8 138	8 152	11 143	11 410	11 890	11 568	11 216	10 910
Import								
Export	-6 352	-6 628	-8 127	-8 436	-8 356	-8 114	-8 467	-7 652
Transformation Sector	-1 879	-1 780	-2 534	-1 733	-1 270	-1 343	-1 280	-1 329
Power Generation	-1 199	-1 447	-1 991	-1 303	-1 255	-1 323	-1 262	-1 312
Final Energy Consumption	32	22	25	31	937	1 047	211	580
Industry				4				
Transport								
Residential	32	22	25	27	27	26	23	19
Commerce & Public Services								
Others					909	1 022	187	560
Electricity								
Power Generation	101	244	281	326	320	338	379	388
Thermal	101	244	281	326	320	338	378	387
Hydro								
Nuclear								
Others								
Final Energy Consumption	82	213	264	286	264	276	271	289
Industry	36	51	49	51	19	18	16	17
Transport								
Residential			96	102	103	115	115	115
Commerce & Public Services			119	134	141	143	140	156
Others	46	161						

Major Economic Indicators of Brunei Darussalam

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	0.26	0.33	0.36	0.39	0.40	0.41	0.41	0.42
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	8.66	10.80	11.97	12.37	12.79	12.92	12.69	12.39
Real Term (Billions of 2010 Price and 2010 PPP)	19.40	24.21	26.83	27.72	28.67	28.95	28.44	27.77
Nominal (Billions of Current USD)	3.52	6.00	9.53	12.37	16.69	16.95	16.11	17.10
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	33 697	32 683	33 079	31 453	32 032	31 851	30 838	29 691
Real Term (2010 Price and 2010 PPP)	75 514	73 244	74 129	70 486	71 783	71 379	69 108	66 538
Nominal (Current USD)	13 702	18 155	26 338	31 453	41 787	41 809	39 152	40 978
Nominal GDP & its Components (Billions of Current BND) *1								
Gross Domestic Product	6.4	10.3	15.9	16.9	21.0	21.2	20.2	21.7
Household Final Consumption Expenditure	1.7	2.6	3.6	3.9	4.1	4.3	4.5	3.4
General Government Final Consumption Expenditure	1.4	2.7	2.9	3.8	3.6	3.7	3.7	4.7
Gross Fixed Capital Formation	1.2	1.3	1.8	2.7	2.7	2.9	3.1	5.9
Stock Change								
Exports of Goods and Services	3.9	7.0	11.1	13.7	16.7	17.2	15.4	15.4
Imports of Goods and Services	2.4	3.7	4.3	5.5	6.0	6.6	6.5	7.7
Real GDP & its Components (Billions of 2000 BND) *1								
Gross Domestic Product	8.3	10.3	11.5	11.8	12.3	12.4	12.2	11.9
Household Final Consumption Expenditure	2.0	2.6	3.5	4.0	4.2	4.4	4.5	N.A.
General Government Final Consumption Expenditure	2.1	2.7	2.9	4.1	3.9	4.0	4.0	N.A.
Gross Fixed Capital Formation	1.5	1.3	1.7	2.4	2.4	2.5	2.7	N.A.
Stock Change								
Exports of Goods and Services	4.9	7.0	7.5	5.7	6.7	6.5	5.9	N.A.
Imports of Goods and Services	3.0	3.7	4.3	5.5	6.1	6.9	6.8	N.A.
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	0.8	1.0	1.3	1.1	1.1	1.3	1.2	N.A.
Industry	63.3	63.7	61.2	52.5	52.4	51.0	48.9	N.A.
Services, etc.	35.9	35.3	37.5	46.3	46.4	47.8	49.9	N.A.
Industrial Production Index (2000=100)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	2.21	3.90	6.25	8.91	12.46	13.00	11.45	10.51
Imports, c.i.f.	1.00	1.11	1.49	2.54	3.63	3.57	3.61	3.60
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	4.83	N.A.	N.A.	8.77	N.A.	N.A.
Current Account	N.A.	N.A.	4.03	N.A.	N.A.	5.68	N.A.	N.A.
Overall Balance	N.A.	N.A.	3.94	N.A.	N.A.	2.77	N.A.	N.A.
Foreign Exchange Rate (BND/USD) *1	2	2	2	1	1	1	1	1
PPP conversion factor, GDP (BND/International Dollar) *1		1	1	1	1	1	1	1
Price Indices								
GDP Deflator (2000=100) *3	77.0	100.0	138.4	142.4	171.4	171.3	165.9	182.6
Producer Price Index (2010=100) *2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2010=100) *2	78.0	95.0	95.5	100.0	102.0	102.5	102.9	102.7
Growth Rate (%) *3								
Real GDP	1.09	2.85	0.39	2.60	3.43	0.95	-1.75	-2.34
Population	2.88	2.08	1.74	1.61	1.56	1.52	1.48	1.43
Price								
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	2.14	1.56	1.24	0.36	2.02	0.46	0.38	-0.19

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Estimation from *1, and *2 by the Coordinating Agency

Note : N.A. means "not available"

: BND means Brunei Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Brunei Darussalam in 2014

Currency Exchange Rate

Currency	Local currency	
Exchange Rate	/ US Dollar	1.27
Local Currency Unit		BND

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal			Coking Coal			Coking Coal		
Anthracite			Anthracite			Anthracite		
Other bituminous coal			Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil			Crude Oil			Crude Oil (WAP)	USD/bbl	104.44
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG			LPG			LPG		
Naphtha			Naphtha			per 10kg	BND	10.00
Motor Gasoline	USD/L	0.79	Motor Gasoline			per 44kg	BND	34.56
Aviation Gasoline			Aviation Gasoline			Motor Gasoline RON85	BND/L	0.36
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Motor Gasoline RON92	BND/L	0.52
Kerosene Type Jet Fuel	USD/L	0.75	Kerosene Type Jet Fuel			Motor Gasoline RON97	BND/L	0.53
Other Kerosene			Other Kerosene			Aviation Gasoline		
Gas/Diesel Oil	USD/L	0.76	Gas/Diesel Oil			Gasoline Type Jet Fuel		
Fuel Oil			Fuel Oil			Kerosene Type Jet Fuel	BND/L	0.95
White Spirit SBP			White Spirit SBP			Other Kerosene	BND/L	0.20
Lubricants			Lubricants			Gas/Diesel Oil	BND/L	0.31
Bitumen			Bitumen			Fuel Oil		
Paraffin Waxes			Paraffin Waxes			White Spirit SBP		
Petroleum Coke			Petroleum Coke			Lubricants		
						Bitumen		
						Paraffin Waxes		
						Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas (WAP)	USD/mmbtu	16.61
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial		
						-Less than 10 kWh	BND/kWh	0.20
						-Next 100 kWh	BND/kWh	0.07
						-Next 100 kWh	BND/kWh	0.06
						-All above 170 kWh	BND/kWh	0.05
						Commercial		
						-Less than 10 kWh	BND/kWh	0.20

Canada

Energy Balance Table of Canada

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	34 892		219 220						
Import	4 805	639	44 012	13 367	3 867	5	2 564	98	1 706
Export	-20 563	- 40	-151 698	-22 950	-6 438	- 715	- 409	- 14	-7 125
International Marine Bunkers				- 367					- 34
International Aviation Bunkers				- 734			- 734		
Stock Changes	- 293	31	-1 430	- 912	- 282	18	- 35	3	- 251
Total Primary Energy Supply	18 842	630	110 106	-11 595	-2 853	- 691	1 386	88	-5 703
Transfers			-4 179	18 409	3 948	- 64	- 94	- 250	2 450
Total Transformation Sector	-17 002	1 105	-93 088	93 665	31 575	3 555	4 395	615	30 547
Main Activity Producer	-14 944			-1 367	- 24				- 172
Autoproducers		- 7		- 402					- 93
Gas Processing				2 194					
Petroleum Refineries			-93 088	93 240	31 599	3 555	4 395	615	30 812
Coal Transformation	-2 058	1 112							
Other Transformation									
Loss & Own Use				-16 103	- 2	- 37		- 15	-1 962
Discrepancy	- 247		-12 839	8 194	3 524	1 485	- 169	59	2 643
Total Final Energy Consumption	1 593	1 736		92 570	36 192	4 249	5 518	497	27 975
Industry Sector	1 581	1 736		5 155	760		33	33	2 994
Iron and Steel	178	1 389							
Chemical & Petrochemical				333					
Non-metallic Minerals	447	22							
Other Industries	956	325		4 822	760		33	33	2 994
Transport Sector				58 777	33 725		5 062		19 029
Domestic Air Transport				4 966	30		4 936		
Road				49 964	33 664				16 107
Rail				2 187					2 187
Inland Waterways				1 394					648
Pipeline Transport				9	1				8
Non-specified Transport				255	30		126		78
Other Sector	12			14 307	1 707		423	463	5 952
Residential	12			1 935				52	1 573
Commerce and Public Services				3 529	402		423	411	1 487
Agriculture				4 648	1 304				2 892
Non-specified Others				4 196					
Non-energy	448	284		18 527		4 249			
2013									
Indigenous Production	35 172		204 069						
Import	5 141	435	44 000	13 323	3 412	631	2 380	179	1 665
Export	-23 352	- 19	-139 743	-24 575	-6 477	- 593	- 505	- 76	-8 186
International Marine Bunkers				- 435					- 32
International Aviation Bunkers				- 826			- 826		
Stock Changes	545	- 52	- 289	541	200	- 44	31	20	331
Total Primary Energy Supply	17 505	365	108 036	-11 972	-2 866	- 6	1 080	122	-6 222
Transfers			-4 482	17 396	4 240	- 113	- 97	- 19	1 713
Total Transformation Sector	-17 917	1 387	-92 883	95 119	31 711	3 291	4 197	632	30 886
Main Activity Producer	-15 618			-1 270	- 21				- 127
Autoproducers		- 7		- 512					- 95
Gas Processing				2 137					
Petroleum Refineries			-92 883	94 765	31 732	3 291	4 197	632	31 108
Coal Transformation	-2 300	1 395							
Other Transformation									
Loss & Own Use				-16 820	- 1	- 39	- 19	- 45	-2 001
Discrepancy	1 574		-10 671	10 199	3 423	776	221	- 290	3 382
Total Final Energy Consumption	1 162	1 752		93 924	36 507	3 909	5 382	401	27 758
Industry Sector	1 148	1 752		5 390	777		35	45	3 043
Iron and Steel	178	1 399							
Chemical & Petrochemical				3 473					
Non-metallic Minerals	352	23		567					
Other Industries	618	330		914	777	-3 909	35	45	3 043
Transport Sector				58 447	33 867		4 893		18 579
Domestic Air Transport				4 824	20		4 803		
Road				49 799	33 813				15 779
Rail				2 124					2 124
Inland Waterways				1 519					645
Pipeline Transport				7					7
Non-specified Transport				174	34		89		24
Other Sector	14			14 562	1 864		454	356	6 135
Residential	14			2 042				50	1 657
Commerce and Public Services				3 793	514		454	305	1 658
Agriculture				4 598	1 349				2 821
Non-specified Others				4 127					
Non-energy	86	289		19 652		3 909			

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					137 536	32 901	28 061	2 131	15 264			470 006
919	229			3 978	18 002				1 076	1 101		83 004
-3 469	- 619			-4 161	-65 349				-1 203	-5 024		-266 826
- 333												- 367
- 93	- 71			- 201	-1 458							- 734
-2 976	- 461			- 384	88 731	32 901	28 061	2 131	15 137	-3 923		281 021
- 269	4 703	5 564	5 759	-3 338								14 230
5 386	1 463	3 643		12 486	-16 167	-32 901	-28 061	-2 091	-3 331	56 435	900	-40 536
- 489		- 119		- 563	-8 550	-30 231	-28 061	-2 080	- 415	51 560	878	-33 209
- 55		- 198		- 57	-4 581	-2 671		- 11	-1 045	4 876	22	-3 819
				2 194	-3 036							- 842
5 929	1 463	3 960		10 911								152
												- 946
									-1 872			-1 872
- 196	-1 283	-9 206		-3 402	-31 323				- 2	-9 219		-56 647
- 150	-1 463	- 1	66	2 200	8 609				163	-1 219		2 661
1 795	2 959	5 825	7 561	49 850				41	11 966	42 075	900	200 730
673	211		450	15 483					8 383	15 499	867	48 703
				1 910					1	698	1	4 177
				4 331						1 685	323	6 339
			333	931					134	554		2 420
673	211		117	7 949					8 247	12 561	543	35 404
746	215			3 419						424		62 619
												4 966
	215		- 21	37						107		50 108
												2 187
746					3 382					317		1 394
				21								3 708
												255
375	1 191		4 196	28 156				41	3 584	26 152	33	72 284
9	301			15 801					3 568	13 895		35 211
88	717			11 522					15	8 970	13	24 049
278	173			833						808		6 288
			4 196					41		2 480	20	6 736
	1 342	5 825	7 111	2 792								22 051
					130 310	33 700	26 956	1 714	14 839			446 760
1 112	96		3 849	21 962					1 061	920		86 841
-4 396	- 645		-3 696	-68 836					- 979	-5 382		-262 886
- 403												- 435
												- 826
58	- 42		- 12	2 744								3 489
-3 629	- 591		140	86 180	33 700	26 956	1 714	14 921	-4 462			272 944
- 227	4 440	5 523	6 034	-4 098								12 914
6 053	1 623	4 088	12 639	-16 301	-33 700	-26 956	-1 675	-3 267	56 828	685		-38 680
- 361		- 137	- 624	-8 729	-31 013	-26 956	-1 673	- 407	51 995	663		-33 008
- 68		- 293	- 57	-4 507	-2 687		- 2	-1 027	4 833	22		-3 888
			2 137	-3 065								- 928
6 482	1 623	4 517	11 182									1 881
												- 905
									-1 832			-1 832
- 189	-1 396	-9 609	-3 520	-29 702					- 2	-9 051		-55 574
- 111	- 578	- 1	- 32	3 410	7 157				70	- 503		7 826
1 896	3 498	6 002	8 572	47 334				39	11 723	42 813	685	199 430
694	229		567	15 050					8 139	15 525	657	47 661
				1 712					1	698	1	3 990
	3 473			4 435						1 441	327	9 675
			567	880					130	520		2 472
694	229			8 023					8 008	12 866	330	31 088
875	234			2 894						405		61 746
												4 824
	234		- 26	32						104		49 935
												2 124
875					2 862					301		1 519
												3 170
				26								174
327	1 298		4 127	26 236				39	3 584	26 883	28	71 344
7	329			14 734					3 568	13 531		33 889
77	785			10 674					15	8 581	7	23 071
244	184			828						856		6 283
			4 127					39		3 915	20	8 101
	1 736	6 002	8 005	3 154								23 181

Major Energy Indicators of Canada

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	211 296	253 656	271 754	265 433	272 836	269 636	272 944	281 021
Indigenous Production	276 449	374 874	404 507	400 926	415 576	427 168	446 760	470 006
Import	46 404	72 140	82 613	86 213	94 213	93 337	86 841	83 004
Export	-105 718	-199 749	-216 624	-227 056	-238 140	-251 241	-262 886	-266 826
Final Energy Consumption	161 708	191 516	198 699	187 588	195 395	197 226	199 430	200 730
Industry	47 235	55 247	52 709	42 622	45 577	45 822	47 287	47 972
Transport	43 122	52 174	55 479	58 341	58 750	59 983	61 746	62 619
Residential	31 440	32 848	33 424	32 087	34 044	32 556	33 889	35 211
Commerce & Public Services	21 725	27 106	28 673	26 052	27 301	23 027	23 071	24 049
Others	18 186	24 142	28 413	28 487	29 724	35 838	33 438	30 879
Coal, Coal Products								
Primary Energy Supply	24 276	31 625	29 162	23 190	20 682	19 562	17 870	19 472
Indigenous Production	37 927	34 407	34 553	33 945	33 757	33 610	35 172	34 892
Import	9 547	15 048	12 291	8 014	6 594	6 644	5 576	5 445
Export	-21 442	-19 269	-16 563	-19 325	-19 642	-20 810	-23 371	-20 603
Transformation Sector	-21 234	-28 068	-24 341	-20 301	-18 624	-17 005	-16 530	-15 897
Power Generation	-19 972	-26 964	-23 344	-19 099	-17 649	-15 862	-15 625	-14 951
Final Energy Consumption	3 129	3 536	3 808	3 241	3 635	3 445	2 914	3 328
Industry	2 834	3 286	3 169	2 820	3 219	3 156	2 525	2 585
Transport								
Residential	47	36	36	33	18	15	14	12
Commerce & Public Services	5	1						
Others	243	213	603	387	397	274	375	732
Crude Oil								
Primary Energy Supply	82 797	96 682	103 995	105 631	104 173	109 220	108 036	110 106
Indigenous Production	94 147	128 428	146 228	167 161	177 686	191 258	204 069	219 220
Import	27 134	46 942	46 729	43 905	43 295	45 428	44 000	44 012
Export	-37 811	-78 447	-86 973	-103 907	-117 726	-128 106	-139 743	-151 698
Transformation Sector	-85 890	-95 287	-101 468	-94 742	-89 541	-92 727	-92 883	-93 088
Petroleum Refineries	-85 890	-95 287	-101 468	-96 726	-91 530	-95 086	-92 883	-93 088
Petroleum Products								
Primary Energy Supply	-6 283	-9 509	-9 392	-7 202	-4 287	-11 040	-11 972	-11 595
Import	7 672	7 446	14 094	13 456	16 367	13 339	13 323	13 367
Export	-11 857	-14 903	-21 807	-20 392	-18 978	-22 988	-24 575	-22 950
Transformation Sector	83 181	94 408	102 352	100 065	95 353	97 139	95 119	93 665
Power Generation	-3 796	-2 419	-3 801	-1 870	-1 616	-1 590	-1 783	-1 769
Petroleum Refineries	86 651	96 404	104 999	100 040	95 069	96 475	94 765	93 240
Final Energy Consumption	68 787	80 629	90 970	90 496	92 165	94 827	93 924	92 570
Industry	6 787	6 457	7 579	5 104	5 362	5 544	5 390	5 155
Transport	39 944	47 029	50 816	55 552	55 982	57 132	58 447	58 777
Residential	4 659	3 249	3 114	2 696	2 651	2 354	2 042	1 935
Commerce & Public Services	4 077	5 463	6 260	3 440	3 845	3 775	3 793	3 529
Others	13 321	18 431	23 200	23 703	24 324	26 022	24 251	23 175
Natural Gas								
Primary Energy Supply	54 727	74 238	80 597	78 613	83 450	83 222	86 180	88 731
Indigenous Production	88 554	148 319	154 099	132 388	132 349	129 652	130 310	137 536
Import	520	1 329	7 831	18 765	25 961	26 069	21 962	18 002
Export	-33 035	-82 658	-87 377	-79 128	-76 831	-73 504	-68 836	-65 349
Transformation Sector	-2 448	-8 810	-10 005	-14 063	-15 708	-16 640	-16 301	-16 167
Power Generation	-1 869	-7 355	-8 269	-11 331	-12 919	-13 423	-13 236	-13 131
Final Energy Consumption	43 303	53 411	46 682	42 234	45 837	44 454	47 334	49 850
Industry	16 852	19 314	13 913	12 717	13 792	14 133	15 050	15 483
Transport	2 896	4 756	4 297	2 464	2 436	2 477	2 894	3 419
Residential	11 356	13 857	13 895	13 220	14 661	13 585	14 734	15 801
Commerce & Public Services	8 320	10 813	10 850	10 282	10 823	9 979	10 674	11 522
Others	3 879	4 671	3 727	3 551	4 125	4 280	3 982	3 625
Electricity								
Power Generation	41 465	52 091	53 467	51 252	54 171	54 431	56 828	56 435
Thermal	8 681	12 968	12 787	10 884	11 302	11 172	11 123	10 724
Hydro	25 529	30 841	31 135	30 226	32 319	32 709	33 700	32 901
Nuclear	6 275	6 261	7 915	7 797	8 049	8 158	8 896	9 260
Others	980	2 020	1 630	2 346	2 502	2 392	3 109	3 550
Final Energy Consumption	35 952	41 409	43 812	41 163	41 968	42 621	42 813	42 075
Industry	14 443	17 485	18 079	15 086	15 041	14 782	15 525	15 499
Transport	281	389	366	324	331	373	405	424
Residential	11 165	11 888	12 985	12 625	13 161	13 007	13 531	13 895
Commerce & Public Services	9 319	10 821	11 501	12 320	12 623	9 257	8 581	8 970
Others	743	826	881	808	812	5 202	4 771	3 287

Major Economic Indicators of Canada

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	27.79	30.77	32.31	34.01	34.34	34.75	35.16	35.54
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	1 014	1 343	1 525	1 613	1 664	1 693	1 731	1 774
Real Term (Billions of 2010 Price and 2010 PPP)	856	1 134	1 287	1 363	1 405	1 430	1 462	1 498
Nominal (Billions of Current USD)	594	742	1 169	1 613	1 789	1 824	1 837	1 784
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	36 489	43 638	47 182	47 447	48 457	48 723	49 231	49 898
Real Term (2010 Price and 2010 PPP)	30 815	36 853	39 845	40 069	40 922	41 147	41 576	42 139
Nominal (Current USD)	21 372	24 124	36 191	47 447	52 082	52 495	52 266	50 185
Nominal GDP & its Components (Billions of Current CAD) *1								
Gross Domestic Product	693	1 102	1 417	1 662	1 770	1 823	1 892	1 973
Household Final Consumption Expenditure	386	600	769	946	989	1 021	1 059	1 107
General Government Final Consumption Expenditure	157	211	271	358	375	385	398	406
Gross Fixed Capital Formation	151	217	310	391	417	448	453	470
Stock Change	- 3	11	11		11	7	14	8
Exports of Goods and Services	174	488	521	483	541	551	573	625
Imports of Goods and Services	173	426	466	515	562	587	603	643
Real GDP & its Components (Billions of 2005 CAD) *1								
Gross Domestic Product	1 045	1 383	1 571	1 662	1 714	1 744	1 783	1 827
Household Final Consumption Expenditure	539	696	816	946	968	987	1 010	1 036
General Government Final Consumption Expenditure	263	279	312	358	362	365	366	367
Gross Fixed Capital Formation	207	269	355	391	409	429	427	430
Stock Change	- 3	11	11		13	11	11	7
Exports of Goods and Services	228	514	535	483	506	520	534	563
Imports of Goods and Services	198	392	460	515	544	563	572	582
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	N.A.	N.A.	N.A.	1.3	1.3	1.3	1.5	1.4
Industry	N.A.	N.A.	N.A.	26.7	27.1	27.2	27.2	27.4
Services, etc.	N.A.	N.A.	N.A.	65.5	65.3	65.3	65.2	65.1
Industrial Production Index (2010=100) *2	60.0	82.7	93.7	100.0	103.0	105.1	107.4	110.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	127.63	276.64	360.48	387.48	451.33	455.59	458.32	474.72
Imports, c.i.f.	123.24	244.79	322.41	402.69	463.64	476.30	475.78	479.99
Balance of Payments (Billions of Current USD) *2								
Trade Balance	9.44	44.40	50.57	-9.37	0.40	-11.15	-6.96	4.56
Current Account	-20.26	18.49	21.91	-56.63	-47.81	-59.94	-54.67	-37.47
Overall Balance	2.52	8.02	2.65	2.06	14.83	0.92	4.00	1.36
Foreign Exchange Rate (CAD/USD) *1	1	1	1	1	1	1	1	1
PPP conversion factor, GDP (CAD/International Dollar) *1	1	1	1	1	1	1	1	1
Price Indices								
GDP Deflator (2005=100) *3	66.3	79.7	90.2	100.0	103.2	104.5	106.1	108.0
Industry Selling Price (2010=100) *2	71.2	90.0	94.2	100.0	106.9	108.1	108.6	111.3
Consumer Price Index (2010=100) *2	67.3	81.9	91.9	100.0	102.9	104.5	105.5	107.5
Growth Rate (%) *3								
Real GDP	0.15	5.18	3.20	3.08	3.14	1.75	2.22	2.47
Population	1.50	0.89	0.99	1.12	0.99	1.19	1.16	1.10
Price								
Industry Selling Price	0.29	4.26	1.64	1.50	6.94	1.10	0.41	2.49
Consumer Price Index	4.76	2.72	2.21	1.78	2.91	1.52	0.94	1.91

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: CAD means Canadian Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Canada in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	
Local Currency Unit	CAD	

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

IMPORT PRICES			WHOLESALE PRICES			CONSUMER PRICES		
	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal	USD/tonne	109.86	Coking Coal			Coking Coal		
Anthracite	USD/tonne	127.37	Anthracite			Anthracite		
Other bituminous coal	USD/tonne	91.63	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal	USD/tonne	24.76	Sub-bituminous Coal			Sub-bituminous Coal		
Lignite	USD/tonne	47.92	Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	CAD/Imp BBL	102.62	Crude Oil	CAD/Bbl	93.99	Crude Oil		
Natural Gas Liquids	Cents/L	56.00	Natural Gas Liquids			Natural Gas Liquids		
Ethane	Cents/L	10.00	Ethane	CAD/Bbl	12.46	Ethane		
LPG	Cents/L	39.00	Propane	CAD/Bbl	44.42	LPG	Cents/L	78.80
Naphtha	Cents/L	72.00	Butane	CAD/Bbl	68.02	Naphtha		
Motor Gasoline	Cents/L	82.00	Naphtha			Motor Gasoline	Cents/L	128.27
Aviation Gasoline			Motor Gasoline	Cents/L	80.50	Aviation Gasoline		
Gasoline Type Jet Fuel	USD/L	1.21	Jet Fuel	Cents/L	88.90	Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel	Cents/L	81.00	Aviation Gasoline			Kerosene Type Jet Fuel		
Other Kerosene	Cents/L	88.00	Gasoline Type Jet Fuel			Other Kerosene		
Gas/Diesel Oil	Cents/L	87.00	Kerosene Type Jet Fuel			Gas/Diesel Oil	Cents/L	134.10
Fuel Oil	Cents/L	67.00	Other Kerosene			Fuel Oil	Cents/L	125.30
White Spirit SBP	USD/L	1.26	Gas/Diesel Oil	Cents/L	91.30	White Spirit SBP		
Lubricants	USD/L	1.98	Fuel Oil	Cents/L	86.60	Lubricants		
Bitumen	Cents/Kg	64.00	White Spirit SBP			Bitumen		
Paraffin Waxes			Lubricants			Paraffin Waxes		
Petroleum Coke	USD/tonne	174.97	Bitumen			Petroleum Coke		
			Paraffin Waxes					
			Petroleum Coke					
Natural Gas			Natural Gas			Natural Gas		
Natural Gas	Cents/m ³	25.00	Natural Gas	Cents/m ³	18.64	Natural Gas	Cents/m ³	40.87
Liquefied Natural Gas	USD/m ³	4.34	Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas	Cents/M3	23.00	Compressed Natural Gas			Compressed Natural Gas	Cents/kg	118.74
Electricity			Electricity			Electricity		
Electricity	USD/Mwh	48.52	Electricity	Cents/KWh	7.31	Industrial	Cents/KWh	9.43
						Commercial	Cents/KWh	13.79
						Residential	Cents/KWh	11.04
Other Energy Products	HKD/L		Other Energy Products			Other Energy Products	HKD/L	

Chile

Energy Balance Table of Chile

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	2 156		507						
Import	5 968	3	9 830	7 294	471	20	428		5 077
Export	-1 072	-104		-566	-82				-392
International Marine Bunkers				-198					
International Aviation Bunkers				-655			-655		
Stock Changes	-254	27	31	-28	-13	43	-15	-40	-31
Total Primary Energy Supply	6 798	-75	10 368	5 847	376	63	-242	-40	4 654
Transfers			1 076	-1 042	-148	-139			-337
Total Transformation Sector	-6 066	273	-11 573	8 911	2 989	85	666	150	2 627
Main Activity Producer	-5 647			-806					-619
Autoproducers				-165					-38
Gas Processing				-6					
Petroleum Refineries			-11 580	9 895	2 989	85	666	150	3 285
Coal Transformation	-419	273							
Other Transformation			7	-8					
Loss & Own Use		-173		-340		-10			-65
Discrepancy	-530	3	128	227	65		-10	-8	-127
Total Final Energy Consumption	202	28		13 603	3 282		414	101	6 751
Industry Sector	200	28		3 824			135	24	2 564
Iron and Steel	21	21							
Chemical & Petrochemical	1			1					
Non-metallic Minerals				275					7
Other Industries	178	7		3 548			135	24	2 557
Transport Sector				7 781	3 282		234	3	3 861
Domestic Air Transport				240	3		234		2
Road				7 089	3 272			3	3 768
Rail				58					10
Inland Waterways				393	6				81
Pipeline Transport									
Non-specified Transport									
Other Sector	2			1 866			45	74	327
Residential				905				73	4
Commerce and Public Services				367			45	1	158
Agriculture									
Non-specified Others	2			594					164
Non-energy				533					
2013									
Indigenous Production	1 591		539						
Import	6 155	23	9 647	7 694	595	19	471	8	5 141
Export	-662			-942	-211		-6		-443
International Marine Bunkers				-207					-8
International Aviation Bunkers				-630			-630		
Stock Changes	-447	-18	-207	-49	-3	-40	-27	-41	-57
Total Primary Energy Supply	6 638	6	9 979	5 866	381	-20	-192	-32	4 633
Transfers			645	-606	-62	-96			-32
Total Transformation Sector	-7 028	264	-10 592	8 373	2 808	119	648	148	2 550
Main Activity Producer	-6 635			-966					-548
Autoproducers				-238					-83
Gas Processing				-3					
Petroleum Refineries			-10 632	9 622	2 808	119	648	148	3 181
Coal Transformation	-393	264							
Other Transformation			40	-42					
Loss & Own Use	-4	-182		-314		-3			-36
Discrepancy	526	-8	-32	222	5		-116	3	-52
Total Final Energy Consumption	132	80		13 542	3 132		340	118	7 064
Industry Sector	129	80		3 322			34	15	2 327
Iron and Steel		61		3					
Chemical & Petrochemical				411					
Non-metallic Minerals				268					2
Other Industries	129	19		3 050			34	15	2 325
Transport Sector				8 076	3 131		258	4	4 306
Domestic Air Transport				278	18		258		2
Road				7 333	3 113			4	4 173
Rail				45					20
Inland Waterways				420					112
Pipeline Transport									
Non-specified Transport									
Other Sector	2			1 939	1		48	99	430
Residential				1 028				98	10
Commerce and Public Services				460	1		48	1	237
Agriculture									
Non-specified Others	2			450					183
Non-energy				444					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					676	1 987		185	7 381			12 891
63	1 068			167	2 940							26 035
- 64	- 27											-1 743
- 198												- 198
												- 655
12	6			9	- 46							- 270
- 186	1 046			176	3 570	1 987		185	7 381			36 061
	- 87			- 332								34
974	342	242		837	-1 753	-1 987		- 166	-3 508	6 340	46	-9 482
- 37	- 1			- 148	-1 687	-1 973		- 164	- 639	5 797		-5 118
- 127					- 59	- 14		- 2	-2 787	543	46	-2 439
	- 6				- 7							- 13
1 138	357	242		984								-1 685
												- 146
	- 8								- 81			- 82
- 8	- 16	- 241			- 466					- 589	- 46	-1 615
135	185			- 14	- 84				149	- 35		- 141
915	1 471	1		667	1 267			19	4 023	5 715		24 857
497	337	1		266	520			2	2 186	3 634		10 395
					33					34		109
		1			- 70					4		- 63
3				265	4				5	38		323
494	337			1	481			2	2 181	3 557		9 955
366	35				34					89		7 904
												240
12	35				30							7 119
48										77		136
306												393
										12		12
					4							4
52	967			401	597			17	1 837	1 992		6 311
	828				429			14	1 757	978		4 084
32	131				168			3	78	980		1 596
20	8			401					1	34		631
	132			401	115							648
					825	1 697		67	10 249			14 968
108	1 157			195	3 267				29			26 816
- 206	- 76											-1 604
- 199												- 207
												- 630
83	- 15			50	- 19				64			- 675
- 215	1 066			245	4 073	1 697		67	10 342			38 668
	8			- 424								39
1 024	245	200		631	-2 085	-1 697		- 48	-4 510	6 284	26	-11 014
- 84				- 334	-1 966	-1 682		- 47	- 553	5 731		-6 117
- 94		- 61			- 112	- 15		- 2	-3 679	552	26	-3 467
	- 3				- 7							- 11
1 202	290	261		965								-1 010
												- 129
	- 42								- 278			- 280
- 33	- 42	- 200			- 671					- 780	- 26	-1 977
180	155			47	115					102		925
956	1 433			499	1 432			19	5 833	5 605		26 642
565	121			261	670			2	2 096	3 667		9 965
	3									40		104
	411				137					15		563
6				261	4					49		322
559	117				529			2	2 096	3 562		9 387
338	38				28					44		8 148
												278
5	38				28							7 361
25										42		86
308												420
										2		2
54	1 068			239	547			17	3 737	1 895		8 137
	920				417			14	3 735	935		6 128
28	146				130			3	2	938		1 534
26	2			239						22		474
	206			239	187							631

Major Energy Indicators of Chile

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	14 060	25 207	28 389	30 957	33 549	37 220	38 668	36 061
Indigenous Production	7 978	8 620	9 361	9 220	9 888	13 041	14 968	12 891
Import	7 237	18 631	22 241	22 923	25 450	25 851	26 816	26 035
Export	- 211	- 889	-1 748	- 627	- 632	- 874	-1 604	-1 743
Final Energy Consumption	11 099	20 381	21 846	23 858	25 070	24 972	26 642	24 857
Industry	3 409	6 643	7 282	8 709	9 535	9 069	9 965	10 395
Transport	3 047	5 666	6 159	7 144	7 273	7 461	8 148	7 904
Residential	3 123	4 863	4 907	5 324	5 588	5 977	6 128	4 084
Commerce & Public Services	478	623	928	1 368	1 585	1 434	1 534	1 596
Others	1 043	2 586	2 569	1 312	1 089	1 030	867	878
Coal, Coal Products								
Primary Energy Supply	2 496	3 071	2 704	4 562	5 345	6 163	6 644	6 723
Indigenous Production	1 451	243	269	254	245	295	1 591	2 156
Import	1 132	2 943	2 442	3 809	5 454	5 949	6 178	5 972
Export		- 27	- 27				- 662	-1 177
Transformation Sector	-1 820	-2 333	-1 927	-3 980	-4 987	-5 938	-6 764	-5 793
Power Generation	-1 650	-2 081	-1 714	-3 856	-4 786	-5 671	-6 635	-5 647
Final Energy Consumption	581	599	581	406	339	192	212	231
Industry	524	586	565	401	336	190	210	228
Transport								
Residential	15		1					
Commerce & Public Services	3	3	3					
Others	39	9	12	5	3	2	2	2
Crude Oil								
Primary Energy Supply	6 572	10 176	10 894	9 267	9 973	9 507	9 979	10 368
Indigenous Production	1 166	427	355	611	641	532	539	507
Import	5 561	9 975	10 539	8 659	9 269	8 850	9 647	9 830
Export								
Transformation Sector	-6 279	-10 014	-11 241	-9 894	-10 918	-10 666	-10 592	-11 573
Petroleum Refineries	-6 279	-10 014	-11 241	-9 894	-10 951	-10 677	-10 632	-11 580
Petroleum Products								
Primary Energy Supply	- 101	300	666	5 741	5 816	6 102	5 866	5 847
Import	544	1 941	3 788	7 340	7 310	7 730	7 694	7 294
Export	- 211	- 862	-1 721	- 627	- 632	- 874	- 942	- 566
Transformation Sector	5 756	9 284	10 088	7 116	7 563	7 414	8 373	8 911
Power Generation	- 476	- 457	- 988	-1 753	-1 438	-1 819	-1 203	- 971
Petroleum Refineries	6 276	9 742	11 085	8 874	9 126	9 260	9 622	9 895
Final Energy Consumption	5 488	9 186	9 555	12 094	12 743	12 589	13 542	13 603
Industry	1 339	2 049	2 072	3 034	3 235	2 946	3 322	3 824
Transport	3 022	5 639	6 107	7 089	7 215	7 391	8 076	7 781
Residential	754	1 088	880	932	1 000	991	1 028	905
Commerce & Public Services	123	160	227	464	654	499	460	367
Others	250	250	269	575	639	761	656	726
Natural Gas								
Primary Energy Supply	1 191	5 245	6 820	4 478	4 575	4 299	4 073	3 570
Indigenous Production	1 459	1 637	1 629	1 557	1 254	1 043	825	676
Import		3 670	5 274	3 006	3 326	3 292	3 267	2 940
Export								
Transformation Sector	- 27	-1 698	-2 744	-1 764	-2 413	-2 417	-2 085	-1 753
Power Generation	- 62	-1 652	-2 708	-1 752	-2 407	-2 409	-2 078	-1 746
Final Energy Consumption	949	3 329	3 531	2 370	1 969	1 440	1 432	1 267
Industry	2	670	777	1 100	992	625	670	520
Transport	6	8	31	18	17	29	28	34
Residential	171	266	357	398	397	400	417	429
Commerce & Public Services	28	71	88	129	126	132	130	168
Others	742	2 313	2 277	726	437	255	187	115
Electricity								
Power Generation	1 580	3 447	4 514	5 197	5 651	5 999	6 284	6 340
Thermal	719	1 523	1 693	2 934	3 196	529	306	761
Hydro	768	1 592	2 278	1 868	1 807	1 734	1 697	1 987
Nuclear								
Others	93	331	543	396	649	3 736	4 280	3 592
Final Energy Consumption	1 332	3 161	4 155	4 707	4 982	5 351	5 605	5 715
Industry	873	2 209	2 801	3 083	3 305	3 625	3 667	3 634
Transport	18	19	22	37	41	41	44	89
Residential	372	532	712	805	821	873	935	978
Commerce & Public Services	60	388	609	775	804	800	938	980
Others	8	14	11	7	10	11	22	34

Major Economic Indicators of Chile

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	13.14	15.17	16.10	17.02	17.20	17.39	17.58	17.76
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	80.2	149.2	183.3	217.5	230.2	242.8	252.5	257.2
Real Term (Billions of 2010 Price and 2010 PPP)	110.2	205.0	251.8	298.9	316.4	333.6	346.9	353.4
Nominal (Billions of Current USD)	31.6	79.3	124.4	217.5	250.8	265.2	277.1	258.7
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	6 106	9 833	11 386	12 785	13 385	13 964	14 364	14 480
Real Term (2010 Price and 2010 PPP)	8 389	13 510	15 645	17 567	18 391	19 186	19 736	19 895
Nominal (Current USD)	2 401	5 228	7 729	12 785	14 582	15 253	15 765	14 566
Nominal GDP & its Components (Billions of Current CLP) *1								
Gross Domestic Product	9 622	42 797	69 637	110 999	121 319	129 028	137 230	147 568
Household Final Consumption Expenditure	5 887	27 808	41 397	65 523	74 018	80 665	87 539	94 356
General Government Final Consumption Expenditure	962	4 953	7 283	13 645	14 691	15 674	17 220	19 197
Gross Fixed Capital Formation	2 279	8 663	14 794	23 296	27 132	31 044	32 684	33 964
Stock Change								
Exports of Goods and Services	3 270	12 534	26 728	42 246	46 163	44 266	44 319	49 313
Imports of Goods and Services	2 940	12 231	21 995	35 153	42 336	44 522	45 388	47 999
Real GDP & its Components (Billions of 2008 CLP) *1								
Gross Domestic Product	36 226	67 351	82 752	98 219	103 955	109 628	113 987	116 126
Household Final Consumption Expenditure	19 140	39 462	48 626	62 764	68 319	72 466	76 430	78 245
General Government Final Consumption Expenditure	5 286	7 548	9 214	12 049	12 346	12 784	13 232	13 901
Gross Fixed Capital Formation	5 383	11 254	17 170	22 748	26 157	29 196	29 841	28 581
Stock Change	144	1 068	1 430	1 441	1 653	1 900	855	-1 263
Exports of Goods and Services	10 058	24 376	33 418	38 045	40 144	40 189	41 513	41 950
Imports of Goods and Services	5 852	16 112	26 109	39 031	45 267	47 430	48 421	45 679
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	4.4	3.3	3.3	3.0	3.2	2.9	2.8	2.7
Industry	43.1	31.1	38.9	33.9	32.9	32.7	32.7	32.6
Services, etc.	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Industrial Production Index (2010=100) *2	N.A.	79.2	99.0	100.0	107.1	114.4	112.4	112.5
External Trade (Billions of Current USD) *1								
Exports, f.o.b	7.74	18.51	32.74	59.21	74.69	80.07	79.25	72.16
Imports, c.i.f.	223.25	823.79	433.28	1,262.10	1,399.44	1,780.47	726.56	-976.46
Balance of Payments (Billions of Current USD) *2								
Trade Balance	1.28	2.18	10.84	15.74	11.04	2.33	1.82	7.77
Current Account	-0.48	-0.90	1.45	3.58	-3.07	-9.62	-10.13	-3.00
Overall Balance	2.37	-0.11	3.04	3.88	14.77	-0.66	1.45	0.80
Foreign Exchange Rate (CLP/USD) *1	305	540	560	510	484	486	495	570
PPP conversion factor, GDP (CLP/International Dollar) *1	N.A.	371	387	371	370	392	409	422
Price Indices								
GDP Deflator (2008=100) *3	26.6	63.5	84.2	113.0	116.7	117.7	120.4	127.1
Wholesale Prices (2010=100) *2	26.2	57.7	76.5	100.0	105.9	N.A.	N.A.	N.A.
Consumer Price Index (2010=100) *2	N.A.	N.A.	N.A.	100.0	103.3	106.4	108.4	113.1
Growth Rate (%) *3								
Real GDP	3.70	4.50	5.56	5.75	5.84	5.46	3.98	1.88
Population	1.65	1.27	1.15	1.10	1.09	1.09	1.08	1.06
Price								
Wholesale Prices	21.77	11.41	5.39	-2.04	5.86	N.A.	N.A.	N.A.
Consumer Price Index	N.A.	N.A.	N.A.	1.41	3.34	3.01	1.79	4.40

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: CLP means Chilean Peso, USD means United States Dollar

: PPP means Purchasing Power Parity

People's Republic of China

Energy Balance Table of People's Republic of China

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	1905 066		213 965						
Import	124 790	1	308 374	45 957	34	3 393	4 033	234	483
Export	-3 329	-5 785	- 600	-34 305	-5 097	- 121	-11 087	- 29	-4 187
International Marine Bunkers				-7 154					- 215
International Aviation Bunkers				-7 171			-7 171		
Stock Changes	-18 007	-1 607	-3 757	-9 041	-7 699	- 752	- 163	- 15	- 955
Total Primary Energy Supply	2008 519	-7 391	517 983	-11 713	-12 762	2 519	-14 388	190	-4 874
Transfers									
Total Transformation Sector	-1361 976	153 791	-508 369	482 524	112 645	36 347	31 656	1 033	179 490
Main Activity Producer	-819 437	-1 258	- 89	-3 239					- 263
Autoproducers	-134 391	-32 437	- 70	-3 872	- 1				- 48
Gas Processing	-4 838	- 223							
Petroleum Refineries			-518 282	489 636	112 646	36 347	31 656	1 033	179 802
Coal Transformation	-403 310	187 709							
Other Transformation			10 071						
Loss & Own Use	-49 841	-6 529	-5 769	-4 451	- 557			- 20	-2 954
Discrepancy	14 079	- 357	23	- 468	59	- 21	- 17	7	- 77
Total Final Energy Consumption	610 781	139 514	3 868	465 892	99 384	38 845	17 250	1 210	171 585
Industry Sector	508 574	134 705	274	77 948	7 775	5 052		245	18 277
Iron and Steel	76 724	81 398		1 545	135			2	763
Chemical & Petrochemical	85 061	28 456	252	12 028	328	5 050		13	538
Non-metallic Minerals	153 083	9 621	2	17 199	303			11	2 998
Other Industries	193 705	15 230	21	47 155	7 009			199	13 978
Transport Sector	2 676	18		209 802	71 370		17 250	1	112 480
Domestic Air Transport				18 299			17 250		356
Road				150 265	64 934				84 248
Rail	2 584	18		3 924	82			1	3 810
Inland Waterways	91			24 470	1 452				16 221
Pipeline Transport				87	1				1
Non-specified Transport				12 757	4 901				7 843
Other Sector	99 532	4 791		90 117	20 133			944	40 548
Residential	45 627	3 865		36 416				297	10 041
Commerce and Public Services	19 707	495		3 677				116	2 347
Agriculture	13 154	237		17 554	2 231			8	15 218
Non-specified Others	21 044	194		32 469	17 902			523	12 941
Non-energy	42 632	21 481	3 594	88 026	107	33 793		20	280
2013									
Indigenous Production	1938 443		212 754						
Import	123 839	24	281 742	52 039		3 250	5 489	1 401	274
Export	-4 256	-3 177	-1 617	-32 780	-4 707	- 325	-9 571		-2 837
International Marine Bunkers				-7 713					- 252
International Aviation Bunkers				-6 585			-6 585		
Stock Changes	-22 779	-13 822	-3 334	-6 942	42	-1 200	6	1	912
Total Primary Energy Supply	2035 246	-16 976	489 544	-1 981	-4 665	1 725	-10 660	1 402	-1 903
Transfers									
Total Transformation Sector	-1369 532	160 178	-480 940	456 769	100 473	32 644	26 407	405	175 765
Main Activity Producer	-827 279	-1 524	- 104	-3 271					- 363
Autoproducers	-136 260	-27 923	- 34	-3 299	- 1				- 27
Gas Processing	-4 421	- 234							
Petroleum Refineries			-490 458	463 339	100 474	32 644	26 407	405	176 154
Coal Transformation	-401 572	189 859							
Other Transformation			9 656						
Loss & Own Use	-58 490	-7 037	-6 312	-4 784	- 602			- 25	-3 191
Discrepancy	9 619	18	- 822	- 30	- 32	28	- 161	- 98	456
Total Final Energy Consumption	616 844	136 182	1 469	449 975	95 174	34 398	15 586	1 684	171 127
Industry Sector	515 491	131 314	590	96 128	8 036	2 950		348	18 892
Iron and Steel	76 060	79 579		1 656	144			2	821
Chemical & Petrochemical	79 153	26 554	557	34 764	337	2 921		9	643
Non-metallic Minerals	154 548	9 598	11	48 368	341			13	2 879
Other Industries	205 731	15 583	22	-6 454	7 214	-31 419		298	14 549
Transport Sector	2 926	15		200 620	66 245		15 586	1	111 218
Domestic Air Transport				16 611			15 586		354
Road				143 888	60 239				82 614
Rail	2 836	15		4 450	86			1	4 332
Inland Waterways	90			23 207	1 353				16 117
Pipeline Transport				85	1				1
Non-specified Transport				12 379	4 566				7 800
Other Sector	98 427	4 853		87 476	20 779			1 309	40 772
Residential	45 388	3 765		32 456				288	10 021
Commerce and Public Services	19 954	418		3 653				138	2 382
Agriculture	12 505	470		16 865	2 047			12	14 704
Non-specified Others	20 580	34		34 503	18 732			871	13 666
Non-energy	42 901	21 539	879	65 751	114	31 448		26	244

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					121 176	91 533	34 539	13 553	75 579			2455 412
17 846	8 873			11 063	55 420					581		535 122
-9 477	-1 733			-2 575	-2 429					-1 562		-48 011
-6 939												-7 154
												-7 171
- 62	- 96			702								-32 411
1 367	7 044			9 190	174 167	91 533	34 539	13 553	75 579	- 981		2895 788
12 442	29 113	15 719		64 080	-28 181	-91 533	-34 539	-13 553	-45 677	485 864	90 418	-871 232
-1 015		- 714		-1 246	-22 396	-91 533	-34 539	-13 553	-35 606	439 690	49 195	-532 765
- 989	- 33	-1 793		-1 008	-6 052					46 174	41 222	-89 425
					267							-4 795
14 446	29 146	18 226		66 334								-28 646
									-10 071			-215 601
- 151	- 35	- 318		- 415	-26 361					-81 871	-12 210	-187 032
- 14	- 35	17		- 386	112				- 175	17	7	13 237
13 644	36 087	15 418		72 470	119 737				29 726	403 028	78 214	1850 762
5 240	3 334	15 227		22 799	54 254				11 682	275 238	53 117	1115 793
55	207	12		372	4 061				1 262	49 842	6 386	221 219
1 663	1 325	15 210		-12 100	24 102				1 932	39 799	21 963	213 594
1 919	919	4		11 043	8 609				767	28 590	250	218 120
1 603	882	1		23 484	17 936				7 721	157 007	24 518	463 292
7 629	1 072				18 778					9 109		240 383
692	1											18 299
40	1 042				17 060					1 968		169 292
20	11									5 135		11 661
6 792	5											24 562
86					316					248		651
	13				1 402					1 759		15 918
338	28 155				40 962				18 044	118 681	25 098	397 223
	26 078				32 612				12 908	61 714	20 669	213 811
174	1 040				4 430				617	17 162	1 370	47 458
13	85				74				3 349	8 715	21	43 104
151	952				3 846				1 171	31 089	3 037	92 851
438	3 526	191		49 671	5 744							161 476
					112 521	79 145	29 086	12 621	71 481			2456 051
23 470	5 421			12 734	49 253					640		507 538
-11 348	-1 523			-2 469	-2 556					-1 606		-45 992
-7 462												-7 713
												-6 585
- 904	- 24			-5 775								-46 878
3 757	3 874			4 490	159 218	79 145	29 086	12 621	71 481	- 966		2856 420
9 238	27 886	14 971		68 981	-26 731	-79 145	-29 086	-12 621	-42 449	467 121	87 143	-869 295
-1 141		- 658		-1 109	-21 243	-79 145	-29 086	-12 621	-32 793	422 205	47 600	-537 263
-1 003	- 6	-1 410		- 852	-5 283					44 916	39 543	-88 340
					- 205							-4 859
11 382	27 892	17 039		70 942								-27 119
									-9 656			-211 714
- 143	- 55	- 309		- 459	-24 758				- 391	-80 516	-11 541	-193 830
278	- 152	- 6		- 344	- 114				1	- 6	- 4	8 662
13 130	31 553	14 656		72 667	107 615				28 642	385 633	75 597	1801 957
5 651	3 742	14 508		42 001	48 898				11 471	262 726	52 170	1118 789
78	310	3		298	3 534				1 133	49 056	7 086	218 105
1 519	6 682	14 499		8 154	22 626				1 940	37 336	20 129	223 059
2 139	989	5		42 001	7 575				747	27 077	247	248 169
1 915	989	1			15 163				7 651	149 257	24 709	411 662
6 544	1 026				15 331					8 608		227 499
670												16 611
38	997				13 985					1 701		159 574
20	11									4 896		12 196
5 733	5											23 297
83					242					322		648
	12				1 103					1 690		15 172
445	24 171				38 095				17 171	114 299	23 427	383 748
	22 147				30 962				12 063	60 107	19 472	204 213
191	943				3 753				623	16 141	1 211	45 753
20	81				65				3 283	8 831	28	42 047
234	1 000				3 316				1 201	29 220	2 716	91 736
490	2 614	148		30 667	5 290							136 360

Major Energy Indicators of People's Republic of China

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	654 004	951 168	1670 933	2420 058	2691 425	2787 607	2856 420	2895 788
Indigenous Production	705 811	939 852	1522 436	2118 274	2348 832	2401 931	2456 051	2455 412
Import	8 436	96 589	184 223	396 654	450 756	474 129	507 538	535 122
Export	-38 922	-63 255	-46 901	-51 504	-48 285	-41 100	-45 992	-48 011
Final Energy Consumption	489 928	597 490	1029 744	1477 251	1663 296	1782 323	1801 957	1850 762
Industry	329 825	324 355	581 600	859 962	1010 751	1085 217	1054 350	1051 680
Transport	28 776	67 593	119 123	172 131	190 197	210 781	227 499	240 383
Residential		88 164	131 226	170 925	182 587	191 146	204 213	213 811
Commerce & Public Services		14 535	25 923	35 058	40 035	42 874	45 753	47 458
Others	131 327	102 843	171 871	239 176	239 725	252 305	270 142	297 430
Coal, Coal Products								
Primary Energy Supply	512 155	672 745	1239 711	1753 092	1973 503	2009 895	2018 271	2001 129
Indigenous Production	539 952	715 765	1224 325	1686 511	1897 524	1916 113	1938 443	1905 066
Import	877	1 294	15 615	94 723	113 713	111 674	123 863	124 791
Export	-7 785	-39 122	-18 529	-12 623	-10 798	-6 141	-7 434	-9 114
Transformation Sector		-393 854	-746 689	-1003 839	-1114 673	-1135 479	-1209 355	-1208 185
Power Generation	-119 784	-331 072	-601 102	-810 038	-915 698	-922 201	-992 986	-987 522
Final Energy Consumption	338 239	267 136	469 201	639 714	748 660	807 239	753 027	750 296
Industry	224 832	169 128	324 561	486 380	587 785	645 927	582 366	579 167
Transport	11 089	4 603	4 194	3 098	3 235	2 931	2 941	2 694
Residential		48 585	57 047	51 675	52 080	49 988	49 153	49 492
Commerce & Public Services		8 258	14 830	16 665	18 909	19 293	20 372	20 202
Others	102 319	36 563	68 569	81 897	86 651	89 100	98 195	98 741
Crude Oil								
Primary Energy Supply	117 828	213 830	300 892	429 522	441 339	468 935	489 544	517 983
Indigenous Production	138 448	163 000	181 353	203 770	204 604	209 566	212 754	213 965
Import	2 926	70 265	126 817	237 682	253 779	271 027	281 742	308 374
Export	-24 014	-10 306	-8 067	-3 030	-2 514	-2 432	-1 617	-600
Transformation Sector		-204 043	-443	-419 520	-434 390	-461 545	-480 940	-508 369
Petroleum Refineries	-109 722	-204 438	-3 098	-426 153	-441 728	-469 963	-490 458	-518 282
Petroleum Products								
Primary Energy Supply	-3 389	7 145	16 868	-1 146	4 714	-3 287	-1 981	-11 713
Import	4 634	24 897	41 360	48 262	53 470	51 407	52 039	45 957
Export	-7 123	-10 056	-16 579	-30 461	-30 343	-28 319	-32 780	-34 305
Transformation Sector		182 507	264 513	392 747	409 849	434 962	456 769	482 524
Power Generation	-11 140	-15 124	-16 493	-9 291	-7 784	-7 209	-6 570	-7 112
Petroleum Refineries	107 409	197 890	281 150	402 038	417 632	442 171	463 339	489 636
Final Energy Consumption	80 728	181 200	274 192	384 707	404 841	426 210	449 975	465 892
Industry	47 912	56 626	69 282	86 836	98 484	93 938	96 128	77 948
Transport	16 676	60 197	108 362	153 676	167 758	186 718	200 620	209 802
Residential		12 863	20 352	26 517	28 654	29 722	32 456	36 416
Commerce & Public Services		1 904	2 685	3 323	3 419	3 630	3 653	3 677
Others	16 140	49 609	73 510	114 355	106 527	112 203	117 119	138 050
Natural Gas								
Primary Energy Supply	14 242	22 401	43 153	100 940	124 331	139 715	159 218	174 167
Indigenous Production	14 242	25 323	45 917	89 181	98 069	102 976	112 521	121 176
Import				15 511	29 230	39 430	49 253	55 420
Export		-2 922	-2 764	-3 752	-2 968	-2 691	-2 556	-2 429
Transformation Sector		7 240	15 168	-18 714	-22 665	-24 234	-26 731	-28 181
Power Generation	-680	-3 735	-9 887	-19 932	-23 671	-24 525	-26 527	-28 448
Final Energy Consumption	13 205	23 604	51 032	67 385	84 847	94 741	107 615	119 737
Industry	11 084	15 500	32 504	27 504	36 953	41 275	48 898	54 254
Transport	47	374	2 866	9 040	11 908	13 260	15 331	18 778
Residential		3 854	8 346	22 466	25 888	28 035	30 962	32 612
Commerce & Public Services		345	1 061	2 536	3 228	3 694	3 753	4 430
Others	2 074	3 531	6 255	5 838	6 870	8 478	8 671	9 663
Electricity								
Power Generation	53 440	116 582	215 022	361 816	405 320	428 930	467 121	485 864
Thermal	42 540	94 524	174 226	266 763	304 916	308 230	332 963	333 774
Hydro	10 900	19 128	34 143	62 107	60 109	75 001	79 145	91 533
Nuclear		1 439	4 566	6 354	7 426	8 376	9 599	11 398
Others		1 491	2 087	26 592	32 868	37 322	45 414	49 159
Final Energy Consumption	52 150	89 091	171 345	296 693	331 944	354 460	385 633	403 028
Industry	40 392	60 643	118 156	205 710	231 001	243 330	262 726	275 238
Transport	964	2 418	3 701	6 317	7 296	7 872	8 608	9 109
Residential		12 487	24 809	44 072	48 333	53 483	60 107	61 714
Commerce & Public Services		3 601	6 470	11 111	12 926	14 547	16 141	17 162
Others	10 794	9 943	18 208	29 484	32 387	35 227	38 051	39 804

Major Economic Indicators of People's Republic of China

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	1 135.2	1 262.6	1 303.7	1 337.7	1 344.1	1 350.7	1 357.4	1 364.3
Gross Domestic Product *4								
Real Term (Billions of 2010 Price and 2010 USD)	824	2 224	3 543	6 040	6 613	7 125	7 672	8 230
Real Term (Billions of 2010 Price and 2010 PPP)	1 686	4 550	7 250	12 359	13 531	14 580	15 700	16 841
Nominal (Billions of Current USD)	393	1 205	2 269	6 040	7 492	8 462	9 491	10 351
GDP per Capita *4								
Real Term (2010 Price and 2010 USD)	726	1 761	2 717	4 515	4 920	5 275	5 652	6 033
Real Term (2010 Price and 2010 PPP)	1 486	3 604	5 561	9 239	10 067	10 794	11 566	12 344
Nominal (Current USD)	346	955	1 740	4 515	5 574	6 265	6 992	7 587
Nominal GDP & its Components (Billions of Current CNY) *1								
Gross Domestic Product	1 877	9 978	18 590	40 890	48 412	53 412	58 802	63 591
Household Final Consumption Expenditure	945	4 585	7 296	14 076	16 896	19 058	21 219	24 293
General Government Final Consumption Expenditure	264	1 566	2 640	5 336	6 315	7 141	7 998	8 652
Gross Fixed Capital Formation	483	3 384	7 423	18 362	21 568	24 176	26 908	28 164
Stock Change	192	100	362	999	1 266	1 102	1 128	1 214
Exports of Goods and Services	299	2 063	6 265	10 849	12 964	13 730	14 586	15 209
Imports of Goods and Services	257	1 864	5 427	9 344	11 795	12 266	13 131	13 463
Real GDP & its Components (Billions of 2000 CNY) *1								
Gross Domestic Product	3 698	9 978	15 896	27 100	29 670	31 969	34 426	36 928
Household Final Consumption Expenditure	2 083	4 585	6 278	9 671	10 737	11 636	12 513	13 656
General Government Final Consumption Expenditure	582	1 566	2 271	3 666	4 013	4 360	4 717	4 864
Gross Fixed Capital Formation	867	3 384	6 137	11 798	12 877	14 056	15 376	16 480
Stock Change	345	100	300	642	756	641	645	711
Exports of Goods and Services	454	2 063	4 933	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	438	1 864	4 427	N.A.	N.A.	N.A.	N.A.	N.A.
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	27.6	14.7	11.1	8.1	7.7	7.5	7.2	7.0
Industry	34.5	45.4	47.6	49.6	50.1	50.3	50.4	50.4
Services, etc.	40.5	39.8	41.2	42.5	42.5	42.6	42.8	43.0
Industrial Production Index (2010=100) *4	9.4	34.3	57.6	100.0	110.4	118.9	127.8	0.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	62.09	249.20	761.95	1,577.75	1,898.38	2,048.71	2,209.01	2,342.29
Imports, c.i.f.	53.35	225.09	659.95	1,396.25	1,743.48	1,818.41	1,949.99	1,959.23
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	119.66	245.54	236.05	297.75	351.77	N.A.
Current Account	N.A.	N.A.	132.38	237.81	136.10	215.39	182.81	N.A.
Overall Balance	N.A.	N.A.	227.73	524.68	401.57	183.63	509.01	N.A.
Foreign Exchange Rate (CNY/USD) *1	5	8	8	7	6	6	6	6
PPP conversion factor, GDP CNY/International Dollar) *1	2	3	3	3	4	4	4	4
Price Indices								
GDP Deflator (2000=100) *4	50.8	100.0	116.9	150.9	163.2	167.1	170.8	172.2
Wholesale Price Index (1995=100) *4	51.8	98.7	108.5	122.9	130.3	128.1	125.7	0.0
Consumer Price Index (1995=100) *4	58.3	99.5	100.9	114.1	119.7	122.1	123.8	0.0
Growth Rate (%)								
Real GDP *4	3.93	8.43	11.35	10.63	9.48	7.75	7.68	7.27
Population *4	1.48	0.79	0.59	0.48	0.48	0.49	0.49	0.51
Price *4								
Wholesale Price Index	4.10	2.82	4.91	5.51	6.01	-1.70	-1.91	-100.00
Consumer Price Index	2.11	-1.50	0.81	3.10	4.90	1.99	1.40	-100.00

Source *1 : *World Development Indicators*, World Bank
*2 : *International Financial Statistics*, International Monetary Fund
*3 : *China Statistics Yearbook*, China Statistical Publishing House
*4 : Calculated from *1, *2 and *3 by the Coordinating Agency
Note : N.A. means "not available"
: CNY means Yuan Renminbi, USD means United States Dollar
: PPP means Purchasing Power Parity

Hong Kong, China

Energy Balance Table of Hong Kong, China

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production				4					4
Import	8 685			16 506	401	238	5 667	6	3 331
Export				- 501	- 14		- 1		- 95
International Marine Bunkers				-7 696					-1 459
International Aviation Bunkers				-5 873			-5 873		
Stock Changes	- 545			691	71	36	212		162
Total Primary Energy Supply	8 140			3 130	458	274	5	6	1 943
Transfers									
Total Transformation Sector	-8 140			- 323		- 274			- 48
Main Activity Producer	-8 140			- 50					- 48
Autoproducers									
Gas Processing				- 274		- 274			
Petroleum Refineries									
Coal Transformation									
Other Transformation									
Loss & Own Use									
Discrepancy				- 453	89		1		- 543
Total Final Energy Consumption				2 354	547		6	6	1 352
Industry Sector									
Iron and Steel				102				1	100
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries				102				1	100
Transport Sector									
Domestic Air Transport				2 045	547		3		1 146
Road				3			3		
Rail				1 858	510				998
Inland Waterways				184	37				147
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential				207			3	5	106
Commerce and Public Services				90					
Agriculture				118			3	5	106
Non-specified Others									
Non-energy									
2013									
Indigenous Production									
Import	8 171			17 995	435	346	5 741	8	3 492
Export	- 1			- 621	- 11		- 1		- 214
International Marine Bunkers				-8 801					-1 329
International Aviation Bunkers				-5 656			-5 656		
Stock Changes	- 401			272	15	5	- 78		- 23
Total Primary Energy Supply	7 769			3 189	439	351	6	8	1 927
Transfers									
Total Transformation Sector	-7 769			- 389		- 351			- 8
Main Activity Producer	-7 769			- 44					- 14
Autoproducers									
Gas Processing				- 351		- 351			
Petroleum Refineries			- 5	6					6
Coal Transformation									
Other Transformation			5						
Loss & Own Use									
Discrepancy				- 433	102				- 535
Total Final Energy Consumption				2 366	541		6	7	1 384
Industry Sector									
Iron and Steel				101				1	100
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries				101				1	100
Transport Sector									
Domestic Air Transport				2 055	541		2		1 180
Road				2			2		
Rail				1 867	505				1 031
Inland Waterways				185	36				149
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential				210			3	6	105
Commerce and Public Services				92					
Agriculture				118			3	6	105
Non-specified Others									
Non-energy									

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
								1	63			68
6 425	438				2 258				7	885		28 340
- 391										- 105		- 607
-6 237												-7 696
												-5 873
205	5											146
1	443				2 258			1	70	779		14 379
- 1					-1 984			- 1	- 24	3 427		-7 045
- 1					-2 258					3 423		-7 025
					274			- 1	- 12	4		- 8
												- 12
										- 12		- 429
					415					- 429		- 38
	443				689				46	3 778		6 867
					29					220		352
					29					220		352
	350									69		2 114
	350											3
										69		1 858
												69
												184
	93				659				46	3 488		4 402
	89				368					1 037		1 495
	4				292				41	2 451		2 902
									6			6
								1	63			64
7 558	415				2 307				16	921		29 410
- 393	- 2								- 5	- 142		- 770
-7 473												-8 801
												-5 656
338	15											- 128
30	428				2 307			1	73	779		14 118
- 30					-1 625			- 1	- 39	3 371		-6 452
- 30					-1 625					3 368		-6 070
								- 1	- 13	3		- 10
												- 351
												1
												- 22
										- 27		- 479
										- 479		- 441
										- 8		- 441
	428				682				34	3 663		6 746
					29					218		348
					29					218		348
	332									67		2 121
	332											2
										67		1 867
												67
												185
	96				653				34	3 378		4 276
	92				365					954		1 411
	5				289				34	2 424		2 865

Major Energy Indicators of Hong Kong, China

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	10 643	15 094	14 094	13 359	13 889	13 823	14 118	14 379
Indigenous Production			81	56	53	67	64	68
Import	12 918	19 786	25 210	32 137	30 577	29 027	29 410	28 340
Export	-2 123	-1 557	-1 763	- 726	- 904	- 971	- 770	- 607
Final Energy Consumption	6 689	11 204	6 696	6 693	6 732	6 837	6 746	6 867
Industry	1 516	1 714	574	383	352	352	348	352
Transport	3 136	6 088	2 334	2 147	2 159	2 175	2 121	2 114
Residential			1 220	1 385	1 412	1 445	1 411	1 495
Commerce & Public Services			2 440	2 777	2 809	2 866	2 865	2 902
Others	2 037	3 401	128					6
Coal, Coal Products								
Primary Energy Supply	6 008	4 125	6 870	6 225	7 403	7 288	7 769	8 140
Indigenous Production								
Import	5 362	3 658	6 826	6 503	7 891	7 779	8 171	8 685
Export	- 1	- 24					- 1	
Transformation Sector			-6 869	-6 224	-7 403	-7 288	-7 769	-8 140
Power Generation	-5 996	-4 121	-6 869	-6 224	-7 403	-7 288	-7 769	-8 140
Final Energy Consumption	12	4	1					
Industry			1					
Transport								
Residential								
Commerce & Public Services								
Others	12	4						
Crude Oil								
Primary Energy Supply								
Indigenous Production								
Import								
Export								
Transformation Sector				- 6	- 26	- 5	- 5	
Petroleum Refineries								
Petroleum Products								
Primary Energy Supply	4 790	8 186	4 552	3 202	3 137	3 234	3 189	3 130
Import	7 556	13 245	15 405	21 530	19 113	17 851	17 995	16 506
Export	-1 967	-1 431	-1 377	- 498	- 628	- 810	- 621	- 501
Transformation Sector			- 756	- 348	- 325	- 518	- 389	- 323
Power Generation	- 126	- 37	- 38	- 37	- 37	- 190	- 44	- 50
Petroleum Refineries				6	26	5	6	
Final Energy Consumption	4 304	7 518	2 665	2 397	2 408	2 418	2 366	2 354
Industry	908	1 269	204	97	102	102	101	102
Transport	3 136	6 088	2 210	2 086	2 097	2 110	2 055	2 045
Residential			33	81	89	91	92	90
Commerce & Public Services			89	134	120	114	118	118
Others	260	161	128					
Natural Gas								
Primary Energy Supply		2 007	2 033	3 145	2 547	2 374	2 307	2 258
Indigenous Production								
Import		2 007	2 033	3 145	2 547	2 374	2 307	2 258
Export								
Transformation Sector			-1 447	-2 169	-1 572	-1 364	-1 625	-1 984
Power Generation		-2 007	-2 033	-2 486	-1 886	-1 697	-1 625	-2 258
Final Energy Consumption	324	560	586	659	672	677	682	689
Industry	13	21	19	22	22	26	29	29
Transport								
Residential			332	365	370	370	365	368
Commerce & Public Services			235	272	280	282	289	292
Others	311	539						
Electricity								
Power Generation	2 488	2 694	3 307	3 297	3 360	3 336	3 371	3 427
Thermal	2 488	2 694	3 266	3 293	3 356	3 323	3 357	3 414
Hydro								
Nuclear								
Others			41	4	4	13	13	13
Final Energy Consumption	2 049	3 121	3 444	3 604	3 621	3 704	3 663	3 778
Industry	596	424	350	265	228	224	218	220
Transport			123	61	62	65	67	69
Residential			856	940	952	984	954	1 037
Commerce & Public Services			2 116	2 338	2 379	2 432	2 424	2 451
Others	1 454	2 697						

Major Economic Indicators of Hong Kong, China

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	5.70	6.67	6.81	7.02	7.07	7.15	7.19	7.24
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	104.1	153.4	188.7	228.6	239.6	243.7	251.2	257.8
Real Term (Billions of 2010 Price and 2010 PPP)	150.8	222.1	273.2	331.1	347.0	352.9	363.8	373.3
Nominal (Billions of Current USD)	76.9	171.7	181.6	228.6	248.5	262.6	275.7	291.2
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	18 251	23 016	27 689	32 550	33 889	34 065	34 951	35 596
Real Term (2010 Price and 2010 PPP)	26 429	33 329	40 095	47 135	49 073	49 328	50 611	51 545
Nominal (Current USD)	13 486	25 757	26 650	32 550	35 142	36 708	38 364	40 216
Nominal GDP & its Components (Billions of Current HKD) *1								
Gross Domestic Product	599	1 338	1 412	1 776	1 934	2 037	2 139	2 258
Household Final Consumption Expenditure	344	784	812	1 090	1 224	1 315	1 414	1 503
General Government Final Consumption Expenditure	41	125	131	157	169	185	199	214
Gross Fixed Capital Formation	157	355	302	387	455	517	516	531
Stock Change	6	14	- 5	38	12	- 4	- 2	10
Exports of Goods and Services	783	1 896	2 749	3 897	4 361	4 595	4 875	4 955
Imports of Goods and Services	732	1 837	2 576	3 793	4 287	4 572	4 862	4 953
Real GDP & its Components (Billions of 2013 HKD) *1								
Gross Domestic Product	886	1 306	1 606	1 947	2 040	2 075	2 139	2 195
Household Final Consumption Expenditure	578	875	959	1 197	1 298	1 351	1 414	1 460
General Government Final Consumption Expenditure	95	147	162	182	187	193	199	205
Gross Fixed Capital Formation	214	341	367	427	471	503	516	515
Stock Change	9	19	- 6	46	13	- 3	- 2	8
Exports of Goods and Services	940	2 208	3 394	4 335	4 504	4 592	4 875	4 818
Imports of Goods and Services	918	2 258	3 258	4 237	4 433	4 561	4 862	4 910
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	N.A.	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Industry	N.A.	11.7	7.9	6.6	6.9	7.0	7.0	7.1
Services, etc.	N.A.	83.2	87.5	88.4	88.7	89.0	89.5	89.1
Manufacturing Production (2010=100) *2	126.1	105.3	112.0	100.0	100.7	99.9	100.0	99.6
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	82.39	202.68	292.12	400.69	455.57	492.91	535.19	524.06
Imports, c.i.f.	84.73	214.04	300.16	441.37	510.85	553.49	621.42	600.61
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	31.07	3.29	-7.48	-18.91	-27.92	-30.14
Current Account	N.A.	N.A.	21.57	16.01	13.81	4.15	4.15	5.44
Overall Balance	N.A.	N.A.	0.36	12.19	10.42	19.78	0.49	10.94
Foreign Exchange Rate (HKD/USD) *1	8	8	8	8	8	8	8	8
PPP conversion factor, GDP (HKD/International Dollar) *1	6	7	6	5	5	6	6	6
Price Indices								
GDP Deflator (2013=100) *3	67.6	102.4	87.9	91.3	94.8	98.2	100.0	102.9
Producer Prices (2010=100) *2	89.5	96.0	86.3	100.0	108.3	108.4	105.1	103.3
Consumer Prices (2010=100) *2	56.9	95.8	89.5	100.0	105.3	109.5	114.3	119.4
Growth Rate (%) *3								
Real GDP	3.83	7.66	7.39	6.77	4.81	1.70	3.07	2.61
Population	0.32	0.89	0.44	0.74	0.67	1.17	0.46	0.75
Price								
Producer Prices	N.A.	0.20	-7.89	6.00	8.35	0.09	-3.10	-1.69
Consumer Prices	10.19	-3.69	0.90	2.34	5.26	4.06	4.35	4.43

Source *1 : World Development Indicators, World Bank

*2 : International Financial Statistics, International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note

: N.A. means "not available"

: HKD means Hong Kong Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Hong Kong, China in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	
Local Currency Unit		HKD

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal			Coking Coal			Coking Coal		
Anthracite	HKD/tonne	2,372.50	Anthracite			Anthracite		
Other bituminous coal	HKD/tonne	518.92	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil			Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	HKD/kg	7.16	LPG			LPG	HKD/kg	24.33
Naphtha			Naphtha			Naphtha		
Motor Gasoline	HKD/L	5.93	Motor Gasoline			Motor Gasoline	HKD/L	15.62
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel	HKD/L	5.65	Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene			Other Kerosene			Other Kerosene		
Gas/Diesel Oil			Gas/Diesel Oil			Gas/Diesel Oil		
Fuel Oil	HKD/L	4.43	Fuel Oil			Fuel Oil		
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen			Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas	HKD/kg	4.64	Natural Gas			Natural Gas		
Liquefied Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial		
						Commercial		
						Residential		
						*Average		
Other Energy Products			Other Energy Products			Other Energy Products		
Gas oil, diesel oil and naphtha	HKD/L	5.61				Environmental diesel oil (road)	HKD/L	12.56

Indonesia

Energy Balance Table of Indonesia

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	269 230		47 140						
Import	1 493		18 650	32 489	17 613		842		9 558
Export	-224 600		-16 807	- 902		- 827	- 2	- 54	- 20
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes	-1 099		3 556	403	- 406		68	- 109	921
Total Primary Energy Supply	45 024		52 540	31 990	17 207	- 827	908	- 163	10 460
Transfers			-2 188	2 188					
Total Transformation Sector	-38 803	8	-54 813	42 777	10 765	827	2 718	988	12 583
Main Activity Producer	-38 794			-6 381					-5 278
Autoproducers									
Gas Processing									
Petroleum Refineries			-56 018	51 737	10 765	3 405	2 718	988	17 861
Coal Transformation	- 10	8							
Other Transformation			1 205	-2 578		-2 578			
Loss & Own Use				- 82	- 56			- 2	- 23
Discrepancy			4 461						
Total Final Energy Consumption	6 220	8	76 873	27 916	27 916	3 626	823	23 019	
Industry Sector	6 220	8	4 212				47	3 569	
Iron and Steel	235								
Chemical & Petrochemical	4 226			-13 245					
Non-metallic Minerals									
Other Industries	1 760	8		17 457				47	3 569
Transport Sector				47 904	27 117		3 626		17 146
Domestic Air Transport				3 628	1		3 626		
Road				44 263	27 116				17 146
Rail									
Inland Waterways				14					
Pipeline Transport									
Non-specified Transport									
Other Sector				11 158	799			776	2 304
Residential				7 678				705	
Commerce and Public Services				740				39	508
Agriculture									
Non-specified Others				2 740	799			32	1 796
Non-energy				13 599					
2013									
Indigenous Production	264 059		47 752						
Import	65		18 091	31 660	16 851		813		9 951
Export	-193 301		-17 945	- 429	- 2	- 169	- 1	- 220	
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes	-13 343		665	8 817	554		216	- 5	5 723
Total Primary Energy Supply	57 479		48 564	40 048	17 403	- 169	1 027	- 225	15 674
Transfers									
Total Transformation Sector	-32 433	8	-47 646	41 139	10 196	169	2 539	1 295	11 609
Main Activity Producer	-32 424			-6 427					-5 240
Autoproducers									
Gas Processing									
Petroleum Refineries			-47 646	51 082	10 196	3 686	2 539	1 295	16 850
Coal Transformation	- 9	8							
Other Transformation				-3 516		-3 516			
Loss & Own Use									
Discrepancy			- 918	- 38	- 55			- 2	- 54
Total Final Energy Consumption	25 047	8	81 149	27 544	27 544	3 566	1 068	27 229	
Industry Sector	25 047	8	16 637				61	5 552	
Iron and Steel	175								
Chemical & Petrochemical	4 226								
Non-metallic Minerals				8 876					
Other Industries	20 645	8		7 761				61	5 552
Transport Sector				48 446	26 750		3 566		18 089
Domestic Air Transport				42	2				
Road				48 403	26 748		3 566		18 089
Rail									
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector				12 313	793			1 007	3 588
Residential				7 332				914	
Commerce and Public Services				1 020				50	792
Agriculture									
Non-specified Others				3 962	793			42	2 797
Non-energy				3 753					

Note: Others Excludes non-commercial biomass supply and consumption.

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					67 626	1 303		8 634	1 205			395 138
175	4 301									1		52 633
					-31 243							-273 552
- 200	129											2 860
- 25	4 430				36 383	1 303		8 634	1 205	1		177 079
	2 188								1			1
855	653			13 388	-10 047	-1 303		-8 634	-1 205	19 399		-52 621
-1 103					-8 038	-1 303		-8 634		19 399		-43 751
					-2 009							-2 009
1 958	653			13 388								-4 281
												- 2
									-1 205			-2 578
- 2					-7 332					-2 320		-9 734
					-1 557							2 905
828	7 272			13 388	17 448					17 080		117 629
701	105			- 210	13 115					5 668		29 224
					460							695
				-13 245	3 402							-5 616
					1 309							1 309
701	105			13 034	8 053					5 668		32 946
14					28					13		47 945
												3 628
					28							44 290
14												14
										13		13
113	7 166				219					11 398		22 775
	6 973				16					7 231		14 926
	193				203					4 167		5 110
113												2 740
				13 599	4 086							17 685
					66 955	1 456		8 649	894			389 764
107	3 938			- 37	-32 384					261		50 077
												-244 060
1 976	354											-3 861
2 083	4 292			- 37	34 571	1 456		8 649	894	261		191 920
1 033	1 631			12 667	-13 971	-1 456		-8 649	- 894	18 589		-45 312
-1 186					-11 725	-1 456		-8 649		18 589		-42 091
					-2 246							-2 246
2 219	1 631			12 667								3 436
												- 2
									- 894			-4 410
- 696	769				-6 453					-3 561		-10 014
					3 550					840		3 434
2 421	6 692			12 630	17 697					16 129		140 029
2 051	97			8 876	13 477					5 537		60 705
					677							853
					3 499							7 726
				8 876	1 230							10 107
2 051	97				8 070					5 537		42 020
40					26					11		48 483
40												42
					26							48 429
										11		11
330	6 595				216					10 581		23 111
	6 417				17					6 640		13 989
	178				199					3 941		5 160
330												3 962
				3 753	3 977							7 730

Major Energy Indicators of Indonesia

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	53 252	101 236	130 970	166 980	174 724	182 767	191 920	177 079
Indigenous Production	119 434	183 995	206 158	306 007	341 034	388 007	389 764	395 138
Import	9 999	21 403	41 760	39 190	41 148	46 175	50 077	52 633
Export	-75 853	-103 804	-115 627	-179 938	-217 441	-242 930	-244 060	-273 552
Final Energy Consumption	33 956	63 569	74 750	111 705	115 504	131 763	140 029	117 629
Industry	11 767	22 658	29 104	47 262	51 691	57 874	60 705	29 224
Transport	11 205	21 452	25 858	36 805	40 167	44 625	48 483	47 945
Residential			13 227	12 326	12 001	12 982	13 989	14 926
Commerce & Public Services			1 679	7 178	4 526	4 709	5 160	5 110
Others	10 985	19 459	4 883	8 133	7 119	11 572	11 692	20 425
Coal, Coal Products								
Primary Energy Supply	4 056	10 956	23 742	39 525	46 780	57 479	57 479	45 024
Indigenous Production	5 785	44 007	82 754	161 797	207 723	264 059	264 059	269 230
Import	663	272	53	32	25	65	65	1 493
Export	-2 392	-33 323	-57 745	-122 304	-160 331	-193 301	-193 301	-224 600
Transformation Sector			-13 959	-20 271	-26 530	-32 425	-32 425	-38 795
Power Generation	-2 252	-10 048	-13 956	-20 233	-26 530	-32 424	-32 424	-38 794
Final Energy Consumption	1 149	2 053	8 499	19 116	20 239	21 836	25 054	6 228
Industry	1 110	1 821	8 486	19 116	20 239	21 836	25 054	6 228
Transport								
Residential			13					
Commerce & Public Services								
Others	39	233						
Crude Oil								
Primary Energy Supply	38 632	49 852	49 041	52 904	51 040	48 436	48 564	52 540
Indigenous Production	70 733	68 981	48 137	58 008	51 322	49 565	47 752	47 140
Import	6 085	10 660	20 471	15 455	14 808	14 672	18 091	18 650
Export	-38 186	-29 789	-19 567	-20 558	-20 726	-17 633	-17 945	-16 807
Transformation Sector			-44 642	-49 087	-50 058	-47 515	-47 646	-54 813
Petroleum Refineries	-36 471	-49 298	-44 642	-49 087	-50 058	-47 515	-47 646	-56 018
Petroleum Products								
Primary Energy Supply	-8 202	1 171	13 873	19 923	30 693	33 887	40 048	31 990
Import	3 251	10 471	21 235	23 702	26 315	31 182	31 660	32 489
Export	-11 125	-8 942	-7 363	-5 500	-6 006	-3 19	-4 29	-902
Transformation Sector			37 089	41 329	33 923	43 144	41 139	42 777
Power Generation	-3 764	-4 501	-9 259	-8 428	-10 003	-7 113	-6 427	-6 381
Petroleum Refineries	38 041	48 490	46 348	52 602	48 155	53 865	51 082	51 737
Final Energy Consumption	24 681	44 061	45 952	63 774	64 519	77 432	81 149	76 873
Industry	6 317	10 948	10 444	7 786	9 971	17 576	16 637	4 212
Transport	11 203	21 432	25 852	36 788	40 134	44 597	48 446	47 904
Residential			9 656	7 162	6 386	6 760	7 332	7 678
Commerce & Public Services				3 906	910	906	1 020	740
Others	7 161	11 681		8 133	7 119	7 593	7 715	16 338
Natural Gas								
Primary Energy Supply	16 889	34 048	37 710	45 062	37 018	37 759	34 571	36 383
Indigenous Production	41 040	65 798	68 663	76 638	72 796	69 434	66 955	67 626
Import								
Export	-24 151	-31 750	-30 953	-31 576	-35 778	-31 676	-32 384	-31 243
Transformation Sector			-11 300	-21 499	-14 416	-14 238	-13 971	-10 047
Power Generation	-249	-10 468	-3 423	-8 773	-8 414	-10 511	-11 725	-8 038
Final Energy Consumption	5 504	8 089	11 093	16 139	16 996	17 532	17 697	17 448
Industry	2 862	4 407	6 523	15 976	16 774	13 288	13 477	13 115
Transport	1	20	5	10	25	19	26	28
Residential			16	19	16	19	17	16
Commerce & Public Services			24	135	181	228	199	203
Others	2 641	3 662	4 526			3 979	3 977	4 086
Electricity								
Power Generation	3 245	10 561	10 952	14 602	15 774	16 861	18 589	19 399
Thermal	2 216	9 120	9 459	12 279	13 894	15 236	15 770	17 232
Hydro	935	862	925	1 518	1 068	905	1 456	1 303
Nuclear								
Others	94	579	568	805	812	719	1 362	864
Final Energy Consumption	2 624	9 365	9 205	12 675	13 749	14 963	16 129	17 080
Industry	1 478	5 482	3 651	4 385	4 706	5 175	5 537	5 668
Transport	1			8	8	9	11	13
Residential			3 542	5 145	5 600	6 203	6 640	7 231
Commerce & Public Services			1 655	3 138	3 435	3 575	3 941	4 167
Others	1 145	3 883	357					

Major Economic Indicators of Indonesia

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	181.44	211.54	226.25	241.61	244.81	248.04	251.27	254.45
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	299.9	453.4	571.2	755.1	801.7	850.	897.3	942.3
Real Term (Billions of 2010 Price and 2010 PPP)	795.9	1 203.3	1 515.9	2 004.	2 127.6	2 255.9	2 381.3	2 500.9
Nominal (Billions of Current USD)	114.4	165.	285.9	755.1	893.	917.9	912.5	890.5
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	1 653	2 143	2 525	3 125	3 275	3 427	3 571	3 703
Real Term (2010 Price and 2010 PPP)	4 387	5 688	6 700	8 294	8 691	9 095	9 477	9 828
Nominal (Current USD)	631	780	1 263	3 125	3 648	3 701	3 632	3 500
Nominal GDP & its Components (Billions of Current IDR) *1								
Gross Domestic Product	210 866	1389 770	2774 281	6864 133	7831 726	8615 704	9546 134	10565 817
Household Final Consumption Expenditure	119 802	856 798	1785 596	3858 822	4340 605	4858 331	5425 017	6039 984
General Government Final Consumption Expenditure	18 649	90 780	224 981	618 178	709 451	796 848	908 574	996 197
Gross Fixed Capital Formation	59 758	275 881	655 854	2127 841	2451 914	2819 026	3051 496	3442 027
Stock Change	4 911	33 283	39 975	129 095	131 329	202 638	178 091	210 407
Exports of Goods and Services	53 409	569 490	945 122	1667 918	2061 886	2118 979	2283 777	2497 116
Imports of Goods and Services	50 046	423 318	830 083	1537 720	1868 075	2152 937	2359 212	2580 527
Real GDP & its Components (Billions of 2010 IDR) *1								
Gross Domestic Product	2726 250	4121 726	5192 501	6864 133	7287 635	7727 083	8156 498	8566 271
Household Final Consumption Expenditure	1418 168	2527 173	3078 760	3858 822	4054 079	4277 706	4512 035	4750 900
General Government Final Consumption Expenditure	264 991	285 633	423 592	618 178	652 292	681 819	727 812	736 283
Gross Fixed Capital Formation	825 058	1060 872	1513 165	2127 841	2316 359	2527 729	2654 375	2775 734
Stock Change	3668 956	-7109 153	-7157 321	129 095	118 207	174 183	124 454	156 720
Exports of Goods and Services	468 359	883 948	1231 826	1667 918	1914 268	1945 064	2026 114	2046 296
Imports of Goods and Services	473 467	782 932	1183 138	1537 720	1768 822	1910 300	1945 867	1988 537
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	20.5	16.5	15.3	13.9	13.6	13.5	13.3	13.2
Industry	42.6	47.7	45.8	42.8	42.8	42.6	42.1	41.8
Services, etc.	34.8	34.2	36.9	40.7	41.5	41.8	42.2	42.6
Manufacturing Production Index (2010=100)	43.2	74.3	88.3	100.0	104.1	108.3	N.A.	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	25.68	65.40	87.00	157.78	203.50	190.03	182.55	176.29
Imports, c.i.f.	21.84	43.60	75.72	135.66	177.44	191.69	186.63	178.18
Balance of Payments (Billions of Current USD) *2								
Trade Balance	5.35	25.04	17.61	31.00	33.83	8.68	5.83	6.98
Current Account	-2.99	7.99	0.28	5.14	1.69	-24.42	-29.11	-27.49
Overall Balance	1.51	0.10	-1.98	31.67	15.32	0.49	-7.14	17.16
Foreign Exchange Rate (IDR/USD) *1	1 843	8 422	9 705	9 090	8 770	9 387	10 461	11 865
PPP conversion factor, GDP (IDR/International Dollar) *1	402	1 428	2 014	3 425	3 607	3 674	3 795	3 935
Price Indices								
GDP Deflator (2010=100) *3	7.7	33.7	53.4	100.0	107.5	111.5	117.0	123.3
Wholesale Prices (2010=100) *2	9.9	39.1	59.3	100.0	107.4	112.9	119.6	130.8
Consumer Price Index (2010=100) *2	12.7	44.0	68.7	100.0	105.4	109.9	116.9	124.4
Growth Rate (%) *3								
Real GDP	9.00	4.92	5.69	6.22	6.17	6.03	5.56	5.02
Population	1.80	1.39	1.34	1.32	1.32	1.32	1.30	1.27
Price								
Wholesale Prices	10.05	12.49	16.64	4.87	7.43	5.11	5.92	9.35
Consumer Price Index	7.81	3.72	10.45	5.13	5.36	4.28	6.41	6.39

Source *1 : *World Development Indicators*, World Bank
*2 : *International Financial Statistics*, International Monetary Fund
*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"
: IDR means Rupiah, USD means United States Dollar
: PPP means Purchasing Power Parity

Japan

Energy Balance Table of Japan

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	750		560						
Import	114 883	2 095	172 618	46 187	1 204	20 349	670	948	486
Export		- 393		-16 086	-2 073	- 10	-2 996	- 548	-7 620
International Marine Bunkers				-3 977					- 78
International Aviation Bunkers				-5 856			-5 856		
Stock Changes	853		- 672	- 437	196	- 411	- 131	216	- 95
Total Primary Energy Supply	116 485	1 701	172 506	19 830	- 673	19 927	-8 313	616	-7 306
Transfers			- 312	312		271			
Total Transformation Sector	-100 561	23 532	-172 444	142 091	40 547	11 605	12 600	13 904	44 775
Main Activity Producer	-54 020	-4 369	-7 226	-12 670				- 11	- 346
Autoproducers	-11 613	-3 119		-10 940		-2 228		- 24	-2 243
Gas Processing				-1 404					
Petroleum Refineries			-165 217	168 247	40 547	13 833	12 600	13 938	47 364
Coal Transformation	-34 929	31 020		-1 142					
Other Transformation									
Loss & Own Use	- 334	-3 096	- 10	-10 009		- 30		- 55	- 221
Discrepancy	- 593	-3 783	261	-1 181	727	-2 029	15	- 244	285
Total Final Energy Consumption	14 997	18 355		151 043	40 601	29 744	4 301	14 220	37 532
Industry Sector	14 997	17 769		49 846	54	29 744		2 849	6 003
Iron and Steel	10 565	16 938		1 575				77	291
Chemical & Petrochemical	225	65		35 615		29 653		213	234
Non-metallic Minerals	3 716	277		1 148				19	264
Other Industries	492	490		14 874	54			2 540	5 213
Transport Sector				72 054	40 548		4 301		24 817
Domestic Air Transport				4 302	1		4 301		
Road				65 346	40 546				23 883
Rail				201					201
Inland Waterways				2 204					732
Pipeline Transport									
Non-specified Transport									
Other Sector		585		25 686				11 371	6 713
Residential		9		14 556				9 411	
Commerce and Public Services		577		7 327				1 358	3 522
Agriculture				2 389				597	1 788
Non-specified Others				1 414				5	1 402
Non-energy				3 457					
2013									
Indigenous Production	676		598						
Import	116 753	1 016	181 884	47 570	1 465	19 170	1 269	1 075	328
Export		- 893		-16 233	-1 199	- 32	-3 258	- 457	-7 741
International Marine Bunkers				-3 953					- 70
International Aviation Bunkers				-5 874			-5 874		
Stock Changes	127		1 255	140	113	278	- 131	- 351	86
Total Primary Energy Supply	117 556	123	183 736	21 650	379	19 416	-7 994	267	-7 397
Transfers			- 426	364		364			
Total Transformation Sector	-101 726	24 596	-182 935	135 039	41 516	13 336	12 152	14 949	42 057
Main Activity Producer	-53 985	-4 379	-9 648	-15 684				- 2	- 363
Autoproducers	-11 629	-3 238		-9 175		-2 166		- 30	-1 924
Gas Processing				-1 380					
Petroleum Refineries			-173 287	162 270	41 516	15 502	12 152	14 981	44 344
Coal Transformation	-36 112	32 213		- 993					
Other Transformation									
Loss & Own Use	- 540	-3 156	- 2	-3 502		- 28		- 50	- 225
Discrepancy	138	-3 311	- 373	-2 144	313	-2 510	- 131	- 251	- 201
Total Final Energy Consumption	15 428	18 251		151 406	42 208	30 578	4 028	14 916	34 234
Industry Sector	15 428	17 661		50 393	53	30 578		2 996	5 412
Iron and Steel	10 871	16 819		1 523				75	298
Chemical & Petrochemical	195	60		36 698		30 488		230	276
Non-metallic Minerals	3 866	274		1 256				22	279
Other Industries	496	508		10 915	53	89		2 670	4 559
Transport Sector				71 059	42 155		4 028		22 304
Domestic Air Transport				4 029	1		4 028		
Road				64 525	42 153				21 417
Rail				181					181
Inland Waterways				2 324					706
Pipeline Transport									
Non-specified Transport									
Other Sector		590		26 355				11 919	6 518
Residential		10		15 235				9 876	
Commerce and Public Services		580		7 540				1 409	3 582
Agriculture				2 270				630	1 637
Non-specified Others				1 311				5	1 299
Non-energy				3 599					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					2 696	17 088		7 136	6 330			34 559
5 174	13 349			4 006	104 678							440 460
-1 683	- 269			- 887								-16 480
-3 873				- 25								-3 977
												-5 856
- 77	- 84			- 51	- 111							- 367
- 459	12 996			3 042	107 263	17 088		7 136	6 330			448 339
		41										
3 822	3 029	6 699		5 110	-73 668	-17 089		-6 646	-9 314	92 925	775	-120 399
-11 854	- 460				-71 422	-15 388		- 574	-1 578	68 645	599	-98 003
-4 353	- 151	-1 743		- 197	-3 597	-1 701		-6 072	-7 736	24 280	176	-20 322
	-1 324	- 80			1 351							- 53
20 029	4 965	8 522		6 449								3 030
				-1 142								-5 050
- 613	- 902	-6 698		-1 490	-4 421					-9 772		-27 642
- 198	377	- 43		- 71	- 7	1		2	4 906	- 70	- 74	- 539
2 552	15 501			6 591	29 167			492	1 922	83 083	701	299 759
1 071	6 992			3 133	15 002				1 898	33 664		133 176
180	284			743	1 890					6 687		37 655
32	2 971			2 512	3 012					4 914		43 830
201	30			635	770					1 665		7 576
658	3 707			2 702	9 330				1 898	20 398		44 116
1 472	917				79					1 847		73 980
												4 302
	917				79							65 426
										1 847		2 048
1 472												2 204
10	7 592				14 085			492	24	47 572	701	89 145
	5 145				8 125			296	24	23 832	27	46 868
	2 447				5 961			120		23 447	598	38 029
3								76		294	76	2 834
7												1 414
												3 457
												3 457
					2 841	16 836	3 806	4 782	6 006			35 545
7 002	13 515			3 746	103 270							450 492
-2 430	- 262			- 854								-17 126
-3 883												-3 953
												-5 874
285	- 88			- 52	- 952							570
974	13 165			2 840	105 159	16 836	3 806	4 782	6 006			459 654
												- 62
2 547	3 156			5 326	-72 380	-16 835	-3 806	-4 281	-8 963	94 487	787	-136 018
-14 840	- 479				-69 982	-15 152	-3 806	- 595	-1 505	71 281	611	-102 842
-4 726	- 157			- 171	-3 681	-1 683		-3 686	-7 458	23 206	176	-17 167
	-1 380				1 282							- 97
22 113	5 172			6 490								-11 018
				- 993								-4 893
- 722	- 939			-1 538	-4 609					-10 205		-22 014
174	766			- 305	1 761	- 1		- 1	4 757	- 25	- 74	727
2 972	16 147			6 324	29 932			500	1 800	84 258	713	302 288
1 345	7 284			2 725	15 145				1 778	33 817		134 222
209	296			646	1 845					6 742		37 801
42	3 095			2 567	3 090					4 989		45 032
373	31			552	820					1 631		7 847
721	3 862			-1 040	9 390				1 778	20 455		43 542
1 618	955				89					1 857		73 006
												4 029
	955				89							64 614
										1 857		2 038
1 618												2 324
10	7 909				14 697			500	22	48 584	713	91 461
	5 360				8 333			304	22	24 406	28	48 338
	2 549				6 364			120		23 871	609	39 085
3								76		307	76	2 728
7												1 311
												3 599
												3 599

Major Energy Indicators of Japan

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	434 637	513 619	521 229	493 206	463 514	450 442	459 654	448 339
Indigenous Production	74 691	104 956	97 411	97 960	63 725	25 420	35 545	34 559
Import	376 441	426 211	442 858	424 340	425 776	449 822	450 492	440 460
Export	-5 030	-5 850	-9 745	-17 727	-16 228	-13 810	-17 126	-16 480
Final Energy Consumption	305 801	362 063	352 252	323 657	312 882	311 663	302 288	299 759
Industry	141 281	161 458	152 747	141 238	136 754	134 580	134 222	133 176
Transport	70 004	87 407	86 869	80 303	77 599	78 169	73 006	73 980
Residential	40 788	51 092	53 007	51 495	50 482	50 942	48 338	46 868
Commerce & Public Services	34 199	45 456	45 760	41 083	38 870	38 892	39 085	38 029
Others	19 528	16 650	13 870	9 537	9 177	9 079	7 638	7 705
Coal, Coal Products								
Primary Energy Supply	75 664	91 804	112 853	112 507	107 191	111 867	117 679	118 187
Indigenous Production	5 893	1 710	567	467	650	675	676	750
Import	70 045	91 754	112 760	112 726	106 767	112 743	117 769	116 977
Export	-1 039	-1 489	-1 099	- 533	- 483	- 988	- 893	- 393
Transformation Sector	-30 445	-50 261	-69 908	-70 180	-65 311	-69 023	-77 131	-77 029
Power Generation	-24 918	-46 595	-66 414	-66 551	-62 604	-66 514	-73 231	-73 121
Final Energy Consumption	39 591	39 747	35 015	33 620	33 142	33 310	33 679	33 352
Industry	38 825	38 843	34 084	33 013	32 578	32 715	33 089	32 767
Transport								
Residential	83	27	19	12	11	14	10	9
Commerce & Public Services	683	877	911	595	552	581	580	577
Others								
Crude Oil								
Primary Energy Supply	200 318	218 989	214 674	185 437	179 766	184 275	183 736	172 506
Indigenous Production	555	644	794	757	722	689	598	560
Import	200 268	217 624	212 130	185 869	178 607	183 458	181 884	172 618
Export								
Transformation Sector	-195 130	-217 474	-213 869	-185 029	-178 574	-183 884	-182 935	-172 444
Petroleum Refineries	-176 529	-209 924	-207 953	-181 505	-171 020	-171 005	-173 287	-165 217
Petroleum Products								
Primary Energy Supply	48 733	37 465	29 594	16 359	22 003	27 762	21 650	19 830
Import	64 443	54 074	49 898	43 562	48 215	51 123	47 570	46 187
Export	-3 990	-4 361	-8 646	-17 194	-15 745	-12 822	-16 233	-16 086
Transformation Sector	137 816	180 262	177 547	159 778	146 910	137 024	135 039	142 091
Power Generation	-33 298	-24 474	-26 491	-19 439	-23 059	-32 590	-24 858	-23 610
Petroleum Refineries	174 595	208 447	206 425	181 228	172 092	171 831	162 270	168 247
Final Energy Consumption	183 350	211 805	202 569	169 131	161 895	160 230	151 406	151 043
Industry	63 595	74 731	69 814	55 716	51 954	50 061	50 393	49 846
Transport	68 308	85 531	84 953	78 383	75 781	76 340	71 059	72 054
Residential	16 289	18 647	19 935	16 666	16 671	16 864	15 235	14 556
Commerce & Public Services	15 931	16 672	14 416	9 222	8 693	8 271	7 540	7 327
Others	19 228	16 225	13 451	9 144	8 795	8 694	7 179	7 260
Natural Gas								
Primary Energy Supply	43 525	64 918	70 914	85 326	95 301	105 526	105 159	107 263
Indigenous Production	1 847	2 159	2 855	3 159	3 100	3 045	2 841	2 696
Import	41 684	62 759	68 070	82 183	92 188	102 497	103 270	104 678
Export								
Transformation Sector	-28 871	-42 730	-46 781	-53 826	-63 589	-72 885	-72 380	-73 668
Power Generation	-32 537	-46 025	-48 578	-54 964	-64 743	-74 132	-73 662	-75 019
Final Energy Consumption	14 484	23 519	24 403	29 541	30 046	30 922	29 932	29 167
Industry	4 072	9 076	9 718	14 635	15 599	16 147	15 145	15 002
Transport			65	91	91	93	89	79
Residential	7 113	8 894	8 522	8 472	8 442	8 652	8 333	8 125
Commerce & Public Services	3 300	5 549	6 099	6 344	5 914	6 030	6 364	5 961
Others								
Electricity								
Power Generation	72 547	93 482	99 187	99 624	95 536	95 641	94 487	92 925
Thermal	44 315	53 442	58 819	57 635	64 965	77 350	63 672	60 394
Hydro	7 827	7 479	7 037	7 827	7 365	6 865	16 835	17 089
Nuclear	16 839	27 499	25 201	25 143	14 012	1 547	1 256	0
Others	3 566	5 062	8 130	9 020	9 193	9 879	12 725	15 443
Final Energy Consumption	64 052	82 913	86 656	88 170	84 834	84 702	84 258	83 083
Industry	31 971	36 332	36 936	35 878	34 785	34 246	33 817	33 664
Transport	1 696	1 875	1 851	1 829	1 727	1 737	1 857	1 847
Residential	16 074	22 665	23 920	25 886	24 936	25 025	24 406	23 832
Commerce & Public Services	14 041	21 711	23 624	24 261	23 080	23 385	23 871	23 447
Others	270	328	325	316	306	309	307	294

Major Economic Indicators of Japan

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	123.54	126.84	127.77	128.07	127.82	127.56	127.34	127.13
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	4 553	5 093	5 405	5 499	5 474	5 569	5 645	5 643
Real Term (Billions of 2010 Price and 2010 PPP)	3 580	4 005	4 250	4 324	4 304	4 379	4 439	4 437
Nominal (Billions of Current USD)	3 104	4 731	4 572	5 499	5 909	5 957	4 909	4 596
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	36 856	40 154	42 302	42 935	42 825	43 658	44 328	44 386
Real Term (2010 Price and 2010 PPP)	28 981	31 574	33 263	33 761	33 674	34 329	34 856	34 902
Nominal (Current USD)	25 124	37 300	35 781	42 935	46 230	46 701	38 550	36 153
Nominal GDP & its Components (Billions of Current JPY) *1								
Gross Domestic Product	449 392	509 860	503 903	482 677	471 579	475 332	479 084	486 939
Household Final Consumption Expenditure	239 418	288 167	291 133	285 867	284 244	288 195	292 302	295 392
General Government Final Consumption Expenditure	59 728	86 308	92 468	95 129	96 117	97 145	98 721	100 448
Gross Fixed Capital Formation	143 629	128 515	112 574	96 431	97 107	100 020	103 700	107 128
Stock Change	3 296	- 517	635	- 806	-1 883	- 858	-2 011	- 888
Exports of Goods and Services	46 234	55 459	72 122	73 475	71 566	69 986	77 552	86 400
Imports of Goods and Services	42 149	48 073	65 028	67 419	75 572	79 157	91 181	101 542
Real GDP & its Components (Billions of 2005 JPY) *1								
Gross Domestic Product	399 672	447 080	474 454	482 677	480 484	488 855	495 488	495 332
Household Final Consumption Expenditure	228 944	261 060	277 015	285 867	286 613	293 133	298 016	295 340
General Government Final Consumption Expenditure	59 775	81 109	90 372	95 129	96 303	97 909	99 732	99 845
Gross Fixed Capital Formation	124 448	117 263	110 723	96 431	97 765	101 097	103 657	105 005
Stock Change	3 296	- 517	635	- 806	-1 883	- 858	-2 880	N.A.
Exports of Goods and Services	30 782	48 145	64 070	73 475	73 206	73 024	73 909	80 062
Imports of Goods and Services	39 451	56 681	67 099	67 419	71 403	75 167	77 489	83 042
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	1.8	1.6	1.2	1.2	1.2	1.2	1.2	1.2
Industry	32.9	27.9	26.9	27.3	26.7	26.4	26.3	26.7
Services, etc.	64.8	71.3	72.1	70.7	71.5	71.5	71.2	70.9
Industrial Production Index (2010=100) *2	105.7	104.3	106.1	100.0	97.1	97.7	96.9	98.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	287.58	479.25	594.94	769.77	823.18	798.57	715.10	690.22
Imports, c.i.f.	235.37	379.51	515.87	694.06	855.38	885.84	833.17	812.18
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	0.11	0.11	0.00	-0.05	-0.09	-0.10
Current Account	N.A.	N.A.	0.17	0.22	0.13	0.06	0.04	0.02
Overall Balance	N.A.	N.A.	0.04	0.01	0.15	-0.03	0.08	-0.02
Foreign Exchange Rate (JPY/USD) *1	145	108	110	88	80	80	98	106
PPP conversion factor, GDP (JPY/International Dollar) *1	189	155	130	112	107	104	103	105
Price Indices								
GDP Deflator (2005=100) *3	112.4	114.0	106.2	100.0	98.1	97.2	96.7	98.3
Wholesale Prices (2010=100) *2	107.7	99.5	97.2	100.0	101.5	100.6	101.9	105.1
Consumer Price Index (2010=100) *2	94.5	102.7	100.4	100.0	99.7	99.7	100.0	102.8
Growth Rate (%) *3								
Real GDP	5.57	2.26	1.30	4.71	-0.45	1.74	1.36	-0.03
Population	0.34	0.17	0.01	0.02	-0.20	-0.20	-0.17	-0.16
Price								
Wholesale Prices	1.50	0.05	1.66	-0.14	1.48	-0.88	1.26	3.19
Consumer Price Index	3.03	-0.65	-0.27	-0.72	-0.28	-0.03	0.36	2.75

Source *1 : World Development Indicators, World Bank

*2 : International Financial Statistics, International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: JPY means Yen, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Japan in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	109.20
Local Currency Unit		Yen

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal	Yen/tonne	11,856.00	Coking Coal			Coking Coal		
Anthracite			Anthracite			Anthracite		
Other bituminous coal	Yen/tonne	10,103.00	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	Yen/kL	61,269.00	Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	Yen/tonne	80,549.00	LPG	Yen/kg	155.10	LPG	Yen/m ³	798.60
Naphtha	Yen/kL	61,147.00	Naphtha	Yen/kL	59,208.00	Naphtha		
Motor Gasoline	Yen/kL	70,614.00	Motor Gasoline	Yen/kL	141,577.00	Motor Gasoline (regular)	Yen/L	158.00
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene	Yen/kL	66,245.00	Other Kerosene	Yen/kL	85,869.00	Other Kerosene	Yen/L	108.10
Gas/Diesel Oil	Yen/kL	75,779.00	Gas/Diesel Oil	Yen/kL	118,374.00	Gas/Diesel Oil	Yen/L	137.00
Fuel Oil	Yen/kL	65,601.00	Fuel Oil	Yen/kL	70,962.00	Fuel Oil		
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen			Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas	Yen/ton	87,307.00	Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial		
						Commercial		
						Residential	Yen/kWh	27.55
						Others		
Other Energy Products			Other Energy Products			Other Energy Products		

Republic of Korea

Energy Balance Table of Republic of Korea

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	778		783						
Import	79 244	279	128 438	39 907	1	24 971		13	845
Export			-143	-58 882	-9 139	-4 291	-12 571	-584	-23 752
International Marine Bunkers				-8 475					-900
International Aviation Bunkers				-4 287	-1		-4 285		
Stock Changes	1 396		-582	-426	-262	-153	129	-276	525
Total Primary Energy Supply	81 417	279	128 495	-32 163	-9 401	20 527	-16 727	-846	-23 282
Transfers				2 288	795	1 637	120	354	635
Total Transformation Sector	-73 845	8 523	-125 469	120 942	17 431	16 735	18 121	2 294	43 086
Main Activity Producer	-46 367	-2 026		-2 028				-93	-96
Autoproducers	-3 423	-2 342		-1 648		-1 110			-27
Gas Processing				-73					-1
Petroleum Refineries			-134 467	133 365	17 431	26 474	18 121	2 387	43 210
Coal Transformation	-24 055	12 890							
Other Transformation			8 998	-8 673		-8 629			
Loss & Own Use		-3 175		-6 468				-1	-19
Discrepancy	-2 435	118	-3 026	2 308	352	1 302	5	311	52
Total Final Energy Consumption	5 138	5 745		86 907	9 176	40 202	1 519	2 112	20 471
Industry Sector	5 138	5 020		3 459				146	1 330
Iron and Steel	1 876	4 170		95					6
Chemical & Petrochemical	146			559				22	46
Non-metallic Minerals	2 860			445				4	125
Other Industries	257	850		2 361				120	1 153
Transport Sector				30 483	9 174		1 020	2	16 206
Domestic Air Transport				1 028			1 020		6
Road				28 730	9 174			2	15 997
Rail				124					124
Inland Waterways				132					77
Pipeline Transport				2					1
Non-specified Transport				466					
Other Sector		725		8 622	2		498	1 964	2 935
Residential		725		2 838				1 365	566
Commerce and Public Services				1 892	1		34	383	450
Agriculture				748				106	615
Non-specified Others				3 144	1		464	111	1 305
Non-energy		571		45 555		40 202			
2013									
Indigenous Production	808		605						
Import	77 127	251	125 523	40 424	239	25 254		24	1 419
Export			-286	-56 578	-7 976	-4 801	-11 999	-884	-22 280
International Marine Bunkers				-8 333					-837
International Aviation Bunkers				-4 276			-4 276		
Stock Changes	-312		1 039	-1 546	-200	-84	-98	-379	-658
Total Primary Energy Supply	77 622	251	126 880	-30 310	-7 937	20 369	-16 372	-1 240	-22 356
Transfers				4 243	895	1 219	108	601	665
Total Transformation Sector	-71 843	7 784	-123 971	117 782	16 151	16 558	17 428	2 900	41 189
Main Activity Producer	-47 244	-812		-3 903				-90	-101
Autoproducers	-2 983	-2 501		-1 394		-1 088			-1
Gas Processing				-166					-1
Petroleum Refineries			-131 812	130 806	16 151	25 206	17 428	2 990	41 292
Coal Transformation	-21 616	11 097							
Other Transformation			7 841	-7 561		-7 561			
Loss & Own Use		-2 823	-3	-6 037	-1			-1	-30
Discrepancy	-814	-725	-2 906	-705	61	363	5	286	651
Total Final Energy Consumption	4 965	4 488		84 973	9 169	38 508	1 169	2 546	20 120
Industry Sector	4 965	3 634		3 479				243	1 212
Iron and Steel	1 578	2 910		101					7
Chemical & Petrochemical	135			531				26	27
Non-metallic Minerals	2 737			500				6	121
Other Industries	515	725		2 347				211	1 056
Transport Sector				29 988	9 168		665	3	15 786
Domestic Air Transport				669			665		4
Road				28 524	9 168			3	15 497
Rail				149					149
Inland Waterways				211					136
Pipeline Transport				1					
Non-specified Transport				434					
Other Sector		853		9 492	1		504	2 300	3 123
Residential		853		2 952				1 458	528
Commerce and Public Services				2 139			41	537	375
Agriculture				1 161				235	885
Non-specified Others				3 241	1		462	71	1 334
Non-energy		474		43 328		38 508			

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					289	673	40 760	498	5 440			49 219
7 976	6 088			11	44 003							291 870
-2 059	-130			-6 356								-59 026
-7 574												-8 475
												-4 287
-9	-198			-182	-1 166				-5			-784
-1 667	5 760			-6 527	43 126	673	40 760	498	5 435			268 519
-1 626	714	295		-636								2 288
6 436	2 320	4 684		9 837	-20 134	-673	-40 760	-361	-1 718	47 380	4 957	-81 156
-1 840					-19 382	-673	-40 760	-324	-122	44 545	1 584	-65 554
				-510	-752			-37	-1 222	2 836	3 373	-3 215
	-72											-73
8 275	2 391	4 684		10 392								-1 102
												-11 164
									-374			-49
-1 218	-99	-4 979		-44	-144					-4 992	-180	-14 960
-354	-384			-152	-635				16	-520	-218	-4 392
1 571	8 311			3 546	22 213			137	3 733	41 868	4 558	170 299
1 218	682			83	8 825				2 533	22 326	2 512	49 813
19	69				1 592				13	4 767	28	12 541
491					2 745				70	4 104	1 611	8 663
221	11			83	565				802	1 003	7	5 681
486	602				3 923				1 648	12 453	866	22 357
65	4 016				1 212					172		31 868
2												1 028
7	4 016			-466	1 212							29 942
										172		296
55												132
1												2
				466								466
288	1 721			1 213	12 176			137	1 200	19 369	2 046	44 276
59	849				8 318			30	23	5 412	1 729	19 075
176	848				3 855			89	1 174	12 792	317	20 118
25	2				3			18	4	927		1 700
27	23			1 213						239		3 383
	1 891			3 462								46 126
					415	722	36 167	393	4 701			43 811
7 053	6 406			29	47 653							290 977
-3 427	-87			-5 125								-56 864
-7 496												-8 333
												-4 276
14	-185			43	-465				3			-1 282
-3 855	6 135			-5 053	47 603	722	36 167	393	4 704			264 033
216	955	79		-495								4 243
8 296	1 804	4 369		9 089	-22 770	-722	-36 167	-278	-1 737	46 612	4 797	-80 514
-3 712					-22 151	-722	-36 167	-253	-129	44 190	1 751	-65 441
				-306	-619			-25	-1 253	2 422	3 046	-3 307
	-165											-166
12 007	1 969	4 369		9 394								-1 006
												-10 519
									-355			-75
-1 317	-112	-4 448		-129	-213					-4 754	-182	-14 012
-1 546	-220			-306	-485				53	35	-359	-5 906
1 794	8 562			3 105	24 135			115	3 020	41 893	4 256	167 844
1 305	635			84	9 803			3	2 167	21 990	2 124	48 164
26	67				1 691				7	4 594	8	10 888
478					3 026				49	4 035	1 369	8 672
273	16			84	644				744	991	1	5 617
528	551				4 442			3	1 366	12 371	746	22 514
80	4 286				1 204					186		31 378
												669
5	4 286			-434	1 204							29 728
										186		335
74												211
1												1
				434								434
408	1 842			1 314	13 128			112	853	19 716	2 133	46 287
92	874				8 981			24	123	5 503	1 850	20 287
244	941				4 144			77	672	13 090	283	20 405
39	2				3			11	54	917		2 145
34	25			1 314					3	207		3 451
	1 799			3 021								43 802

Major Energy Indicators of Republic of Korea

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	93 087	188 299	210 296	250 127	260 634	263 667	264 033	268 519
Indigenous Production	22 622	34 582	43 099	45 086	47 182	46 449	43 811	49 219
Import	73 942	206 669	211 294	266 844	282 251	287 424	290 977	291 870
Export	-3 795	-40 939	-35 740	-45 796	-54 887	-58 819	-56 864	-59 026
Final Energy Consumption	64 907	127 109	140 455	157 695	161 529	165 720	167 844	170 299
Industry	19 263	38 474	39 064	44 981	47 655	47 329	47 691	49 242
Transport	14 572	26 266	29 186	29 949	29 456	30 276	31 378	31 868
Residential	12 941	15 034	18 408	19 859	20 143	20 290	20 287	19 075
Commerce & Public Services	8 692	17 210	19 225	20 501	20 159	20 262	20 405	20 118
Others	9 438	30 125	34 571	42 404	44 116	47 563	48 083	49 996
Coal, Coal Products								
Primary Energy Supply	25 558	41 952	49 545	73 426	80 236	77 070	77 873	81 697
Indigenous Production	7 576	3 638	1 261	959	959	932	808	778
Import	15 725	39 137	46 929	72 949	79 484	76 079	77 378	79 523
Export								
Transformation Sector	-13 183	-33 629	-44 256	-61 114	-66 336	-65 677	-64 059	-65 322
Power Generation	-5 976	-27 059	-36 188	-52 432	-55 542	-54 531	-53 540	-54 158
Final Energy Consumption	11 717	9 072	7 748	9 545	10 066	9 590	9 453	10 883
Industry	3 052	8 505	6 794	8 285	8 899	8 319	8 126	9 587
Transport								
Residential	8 638	566	954	855	838	816	853	725
Commerce & Public Services	27							
Others				405	329	455	474	571
Crude Oil								
Primary Energy Supply	43 240	126 493	118 805	120 993	128 026	130 505	126 880	128 495
Indigenous Production		670	534	698	707	718	605	783
Import	42 672	125 809	117 338	121 571	127 916	131 070	125 523	128 438
Export		-99	-3	-481	-584	-356	-286	-143
Transformation Sector	-42 522	-122 802	-117 960	-117 960	-125 339	-128 676	-123 971	-125 469
Petroleum Refineries	-42 522	-127 978	-123 968	-124 969	-133 521	-136 793	-131 812	-134 467
Petroleum Products								
Primary Energy Supply	6 495	-27 454	-26 313	-25 878	-34 314	-33 282	-30 310	-32 163
Import	12 841	24 629	20 897	33 028	32 961	37 436	40 424	39 907
Export	-3 795	-40 840	-35 737	-45 314	-54 302	-58 462	-56 578	-58 882
Transformation Sector	39 028	112 575	111 129	111 441	118 782	121 146	117 782	120 942
Power Generation	-4 512	-8 044	-6 469	-5 077	-4 435	-5 821	-5 297	-3 677
Petroleum Refineries	43 539	125 626	123 433	123 795	131 794	135 529	130 806	133 365
Final Energy Consumption	43 660	79 876	79 649	82 200	82 395	84 732	84 973	86 907
Industry	10 882	10 974	7 972	5 902	5 191	4 145	3 479	3 459
Transport	14 485	26 090	28 638	28 737	28 189	28 933	29 988	30 483
Residential	1 916	3 878	3 181	2 981	3 205	2 903	2 952	2 838
Commerce & Public Services	7 064	9 276	5 915	3 448	2 965	2 726	2 139	1 892
Others	9 313	29 658	33 944	41 132	42 845	46 025	46 416	48 235
Natural Gas								
Primary Energy Supply	2 725	17 005	27 367	38 625	41 576	44 966	47 603	43 126
Indigenous Production			440	485	406	391	415	289
Import	2 680	17 066	26 104	39 279	41 890	42 840	47 653	44 003
Export								
Transformation Sector	-2 037	-5 755	-11 073	-18 000	-20 031	-22 212	-22 770	-20 134
Power Generation	-2 037	-5 755	-11 073	-18 000	-20 031	-22 212	-22 770	-20 134
Final Energy Consumption	673	10 925	15 982	20 582	21 570	22 898	24 135	22 213
Industry	73	2 881	4 167	7 092	8 273	9 290	9 803	8 825
Transport			324	1 023	1 074	1 149	1 204	1 212
Residential	464	6 228	8 371	8 938	8 904	9 103	8 981	8 318
Commerce & Public Services	136	1 805	3 095	3 525	3 315	3 351	4 144	3 855
Others		11	25	4	4	5	3	3
Electricity								
Power Generation	9 062	24 951	33 488	42 958	45 003	45 977	46 612	47 380
Thermal	3 966	14 974	20 059	28 578	29 748	30 930	32 294	31 552
Hydro	547	482	446	557	673	658	722	673
Nuclear	4 548	9 371	12 623	12 779	13 306	12 928	11 935	13 451
Others		123	359	1 044	1 275	1 461	1 661	1 705
Final Energy Consumption	8 117	22 628	30 756	38 644	40 473	41 401	41 893	41 868
Industry	4 970	12 934	15 820	19 618	21 160	21 555	21 990	22 326
Transport	87	175	224	188	193	194	186	172
Residential	1 525	3 191	4 375	5 271	5 320	5 495	5 503	5 412
Commerce & Public Services	1 409	5 873	9 734	12 703	12 890	13 119	13 090	12 792
Others	125	456	603	864	909	1 038	1 123	1 166

Major Economic Indicators of Republic of Korea

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	42.87	47.01	48.14	49.41	49.78	50.00	50.22	50.42
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	377	710	895	1 094	1 135	1 161	1 194	1 234
Real Term (Billions of 2010 Price and 2010 PPP)	519	977	1 231	1 505	1 561	1 596	1 643	1 698
Nominal (Billions of Current USD)	285	562	898	1 094	1 202	1 223	1 306	1 411
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	8 795	15 105	18 586	22 151	22 796	23 214	23 784	24 479
Real Term (2010 Price and 2010 PPP)	12 097	20 774	25 562	30 465	31 353	31 927	32 711	33 667
Nominal (Current USD)	6 642	11 948	18 658	22 151	24 156	24 454	25 998	27 989
Nominal GDP & its Components (Billions of Current KRW) *1								
Gross Domestic Product	201 540	635 185	919 797	1265 308	1332 681	1377 457	1429 445	1486 079
Household Final Consumption Expenditure	94 968	341 442	480 170	636 713	679 142	707 614	727 800	748 201
General Government Final Consumption Expenditure	22 054	72 019	122 175	183 109	194 381	204 324	214 467	224 724
Gross Fixed Capital Formation	69 234	200 825	283 859	385 924	403 045	407 307	418 289	433 266
Stock Change	801	8 416	11 976	19 264	36 191	19 722	-2 288	1 813
Exports of Goods and Services	52 187	222 371	338 574	625 309	742 936	776 063	770 115	747 134
Imports of Goods and Services	54 195	209 219	316 177	585 010	723 014	737 573	698 937	669 058
Real GDP & its Components (Billions of 2010 KRW) *1								
Gross Domestic Product	435 897	820 844	1034 338	1265 308	1311 893	1341 966	1380 833	1426 973
Household Final Consumption Expenditure	271 452	456 116	546 548	636 713	655 181	667 781	680 350	692 236
General Government Final Consumption Expenditure	70 285	110 086	140 003	183 109	187 158	193 474	199 783	205 869
Gross Fixed Capital Formation	181 152	283 424	338 300	385 924	389 124	387 240	400 026	413 487
Stock Change	-42 875	13 196	13 002	19 265	30 158	22 400	9 128	17 198
Exports of Goods and Services	59 083	250 691	410 113	625 309	719 943	756 558	788 788	804 797
Imports of Goods and Services	99 319	278 478	413 372	585 010	668 931	685 009	696 725	706 938
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	4.8	3.0	2.5	2.2	2.1	2.0	2.1	2.1
Industry	31.2	31.0	32.8	34.6	34.9	34.8	34.9	34.9
Services, etc.	59.5	55.4	54.6	53.6	53.3	53.6	53.5	53.5
Industrial Production Index (2010=100) *2	22.9	53.4	71.9	100.0	106.0	107.4	108.2	108.2
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	65.02	172.27	284.42	466.38	555.21	547.87	559.63	572.66
Imports, c.i.f.	69.84	160.48	261.24	425.21	524.41	519.59	515.58	525.51
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-3.28	15.63	32.31	47.92	29.09	49.41	82.78	92.69
Current Account	-2.40	10.44	12.65	28.85	18.66	50.84	81.15	89.22
Overall Balance	-0.06	24.63	13.69	32.57	8.18	12.40	17.31	16.71
Foreign Exchange Rate (KRW/USD) *1	708	1 131	1 024	1 156	1 108	1 126	1 095	1 053
PPP conversion factor, GDP (KRW/International Dollar) *1	557	747	789	841	855	855	871	882
Price Indices								
GDP Deflator (2010=100) *3	46.2	77.4	88.9	100.0	101.6	102.6	103.5	104.1
Producer Prices (2010=100)*2	56.3	79.1	86.9	100.0	106.7	107.5	105.7	105.2
Consumer Price Index (2010=100)*2	44.5	73.1	86.1	100.0	104.0	106.3	107.7	109.0
Growth Rate (%) *3								
Real GDP	9.30	8.83	3.92	6.50	3.68	2.29	2.90	3.34
Population	0.99	0.84	0.21	0.46	0.75	0.45	0.43	0.41
Price								
Producer Prices	4.18	2.02	2.13	3.81	6.71	0.69	-1.60	-0.53
Consumer Price Index	8.58	2.27	2.75	2.96	4.00	2.19	1.31	1.27

Source *1 : World Development Indicators, World Bank

*2 : International Financial Statistics, International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: KRW means Won, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in the Republic of Korea in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	1,099.30
Local Currency Unit		KRW

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal	USD/tonne	125.43	Coking Coal			Coking Coal		
Anthracite	USD/tonne	111.04	Anthracite			Anthracite		
Other bituminous coal	USD/tonne	81.99	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	USD/bbl	101.24	Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	USD/bbl	76.43	LPG	KRW/kg	1,154.77	LPG	KRW/kg	2,112.88
Naphtha	USD/bbl	101.78	Naphtha			Naphtha		
Motor Gasoline			Motor Gasoline	KRW/L	1,684.56	Motor Gasoline	KRW/L	1,827.28
Aviation Gasoline	USD/bbl	176.31	Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene	USD/bbl	125.68	Other Kerosene	KRW/L	963.61	Other Kerosene	KRW/L	1,296.72
Gas/Diesel Oil	USD/bbl	122.55	Gas/Diesel Oil	KRW/L	1,484.96	Gas/Diesel Oil	KRW/L	1,636.68
Fuel Oil	USD/bbl	95.51	Fuel Oil	KRW/L	853.38	Fuel Oil	KRW/L	885.51
White Spirit SBP	USD/bbl	142.32	White Spirit SBP	KRW/L	782.09	White Spirit SBP		
Lubricants	USD/bbl	184.00	Lubricants			Lubricants		
Bitumen			Bitumen	KRW/kg	611.08	Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas	KRW/MJ	20.50	Natural Gas	KRW/MJ	21.60
Liquefied Natural Gas	USD/tonne	846.26	Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial		
						Commercial		
						Residential		
						Others		
Other Energy Products			Other Energy Products			Other Energy Products		

Malaysia

Energy Balance Table of Malaysia

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	1 693		31 043						
Import	13 695		9 799	16 064	8 128		381	144	5 922
Export	- 114		-11 702	-10 816	- 36		- 534	- 211	-5 235
International Marine Bunkers				- 241					- 2
International Aviation Bunkers				-2 525			-2 525		
Stock Changes	- 16		- 491	1 400	- 35		386	- 5	262
Total Primary Energy Supply	15 258		28 649	3 882	8 058		-2 292	- 71	946
Transfers			-1 944	1 765				40	108
Total Transformation Sector	-13 639		-26 085	23 542	4 915		2 914	100	9 072
Main Activity Producer	-13 639			- 934					- 621
Autoproducers				- 25					- 25
Gas Processing									
Petroleum Refineries			-26 344	24 501	4 915		2 914	100	9 719
Coal Transformation									
Other Transformation			259						
Loss & Own Use				-2 115					
Discrepancy	89		- 620	- 83	- 276		9	- 69	29
Total Final Energy Consumption	1 708			26 991	12 697		632		10 155
Industry Sector	1 708			1 534	273				858
Iron and Steel									
Chemical & Petrochemical									
Non-metallic Minerals	1 708								
Other Industries				1 534	273				858
Transport Sector				21 210	12 325		632		8 254
Domestic Air Transport							632		
Road				632					
Rail				20 579	12 325				8 254
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector				2 503	99				1 043
Residential				640					
Commerce and Public Services				877					156
Agriculture				1					
Non-specified Others				986	99				887
Non-energy				1 743					
2013									
Indigenous Production	1 823		29 761						
Import	13 900		9 103	19 852	8 805		858	289	5 102
Export	- 326		-10 645	-12 472	- 86		- 572	- 538	-5 315
International Marine Bunkers				- 404					- 2
International Aviation Bunkers				-2 398			-2 398		
Stock Changes	- 106		520	-1 744	- 735		- 20	- 5	- 850
Total Primary Energy Supply	15 290		28 739	2 834	7 984		-2 131	- 254	-1 064
Transfers			-2 013	1 856				51	133
Total Transformation Sector	-13 519		-25 931	24 550	4 700		2 749	424	10 537
Main Activity Producer	-13 519			-1 080					- 623
Autoproducers				- 22					- 22
Gas Processing				714				37	126
Petroleum Refineries			-26 346	24 938	4 700		2 749	387	11 056
Coal Transformation									
Other Transformation			415						
Loss & Own Use				-1 635					
Discrepancy	- 233		- 795	- 776	- 36		- 19	- 190	- 44
Total Final Energy Consumption	1 538			26 830	12 648		599	31	9 562
Industry Sector	1 538			2 702	273			30	1 919
Iron and Steel									
Chemical & Petrochemical									
Non-metallic Minerals	1 538								
Other Industries				2 702	273			30	1 919
Transport Sector				19 456	12 280		599		6 508
Domestic Air Transport							599		
Road				599					
Rail				12 280	12 280				
Inland Waterways									
Pipeline Transport									
Non-specified Transport				6 577					6 508
Other Sector				2 671	96			1	1 135
Residential				735				1	
Commerce and Public Services				916					217
Agriculture				7					
Non-specified Others				1 013	96				918
Non-energy				2 000					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					53 190	1 151		20	723			87 821
474	416			600	7 924					2		47 483
-3 028	-346			-1 427	-31 901				-77	-1		-54 612
-239												-241
												-2 525
737	66			-11					-193			700
-2 056	136			-838	29 213	1 151		20	453	1		78 626
	1 345			272								-180
2 407	1 101	208		2 824	-19 691	-1 151		-20	-453	12 682		-24 814
-312					-14 964	-1 151		-20	-108	12 280		-18 536
					-1 541				-85	402		-1 250
					-1 649							-1 649
2 720	1 101	208		2 824								-1 843
					-1 537				-259			-1 537
-20		-208		-1 888	-1 368					-1 341		-4 824
-46	48			222	580					-305		-339
286	2 630			592	8 734					11 036		48 469
285	119				4 411					5 070		13 314
												1 708
285	119				4 411					5 070		11 606
					250					22		21 483
												632
					250							20 829
										22		22
1	1 360				21					5 944		8 468
	640				1					2 345		2 985
	720				20					3 564		4 461
1										36		37
												986
	1 151			592	4 052							5 794
					52 992	910		12	718			86 217
3 435	421			942	7 887					19		50 761
-3 533	-341			-2 089	-31 579				-154	-2		-55 179
-402												-404
												-2 398
-198	222			-158					-98			-1 429
-699	302			-1 305	29 300	910		12	466	16		77 567
	1 378			294								-156
1 039	1 479	211		3 411	-18 736	-910		-12	-466	11 896		-23 128
-457					-13 558	-910		-12	-170	11 465		-17 784
					-1 457				-133	432		-1 181
	227			324	-869							-154
1 495	1 251	211		3 088								-1 408
					-2 853				-163			-2 601
-20		-211		-1 404	-1 750					-978		-4 362
61	-214			-335	84					-350		-2 071
382	2 945			662	8 897					10 585		47 850
300	180				4 170					4 806		13 216
												1 538
300	180				4 170					4 806		11 678
69					256					21		19 733
												599
					256							12 535
										21		21
69												6 577
13	1 427				20					5 758		8 449
	734				1					2 261		2 997
6	693				19					3 465		4 400
7										32		39
												1 013
	1 338			662	4 451							6 451

Major Energy Indicators of Malaysia

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	20 683	48 214	66 328	70 346	77 318	77 346	77 567	78 626
Indigenous Production	46 437	75 596	93 545	83 399	86 567	85 883	86 217	87 821
Import	9 700	16 271	24 083	38 519	41 172	44 775	50 761	47 483
Export	-35 279	-43 059	-51 510	-51 694	-48 206	-52 341	-55 179	-54 612
Final Energy Consumption	13 140	29 676	38 243	41 439	43 402	44 619	47 850	48 469
Industry	5 297	11 507	15 619	14 281	13 368	15 310	13 216	13 314
Transport	5 386	12 071	15 293	16 826	17 065	15 146	19 733	20 891
Residential	733	1 654	2 183	2 655	2 771	2 841	2 997	2 985
Commerce & Public Services	889	2 214	2 951	4 296	4 222	4 225	4 400	4 461
Others	834	2 230	2 197	3 381	5 977	7 096	7 503	6 817
Coal, Coal Products								
Primary Energy Supply	1 355	2 308	6 822	14 601	14 655	15 796	15 290	15 258
Indigenous Production	70	242	430	1 511	1 838	1 860	1 823	1 693
Import	1 424	1 943	6 612	13 073	13 330	14 220	13 900	13 695
Export	- 28	- 19	- 44	- 62	- 141	- 232	- 326	- 114
Transformation Sector	- 813	-1 495	-5 541	-12 951	-13 013	-14 138	-13 519	-13 639
Power Generation	- 813	-1 495	-5 541	-12 951	-13 013	-14 138	-13 519	-13 639
Final Energy Consumption	513	991	1 348	1 826	1 759	1 744	1 538	1 708
Industry	513	991	1 348	1 826	1 759	1 744	1 538	1 708
Transport								
Residential								
Commerce & Public Services								
Others								
Crude Oil								
Primary Energy Supply	10 024	22 747	26 852	25 173	27 068	30 204	28 739	28 649
Indigenous Production	30 629	32 445	37 556	34 653	30 963	31 321	29 761	31 043
Import	2 244	7 709	8 179	8 115	9 322	10 003	9 103	9 799
Export	-22 949	-17 254	-18 994	-17 258	-11 524	-12 086	-10 645	-11 702
Transformation Sector	-9 980	-22 164	-24 487	-22 710	-24 777	-27 650	-25 931	-26 085
Petroleum Refineries	-9 980	-22 164	-24 487	-22 710	-24 798	-27 749	-26 346	-26 344
Petroleum Products								
Primary Energy Supply	1 954	-1 922	- 199	2 312	2 095	-3 034	2 834	3 882
Import	6 031	6 619	7 961	10 359	11 580	12 725	19 852	16 064
Export	-3 913	-8 533	-8 435	-8 429	-9 421	-13 967	-12 472	-10 816
Transformation Sector	7 425	20 335	21 872	21 572	22 379	25 501	24 550	23 542
Power Generation	-2 989	- 783	- 573	- 540	-2 084	-1 361	-1 102	- 959
Petroleum Refineries	10 414	20 954	21 438	21 207	23 890	26 147	24 938	24 501
Final Energy Consumption	9 825	19 582	23 012	24 403	23 943	22 716	26 830	26 991
Industry	3 481	5 398	5 614	4 176	3 289	4 528	2 702	2 126
Transport	5 386	12 059	15 193	16 562	16 777	14 835	19 456	20 619
Residential	729	675	783	712	791	714	735	640
Commerce & Public Services		723	756	1 246	1 019	877	916	877
Others	229	727	666	1 707	2 068	1 762	3 020	2 730
Natural Gas								
Primary Energy Supply	7 007	24 479	32 354	27 656	32 244	32 948	29 300	29 213
Indigenous Production	15 395	42 308	55 042	46 628	52 381	51 157	52 992	53 190
Import			1 332	6 971	6 938	7 819	7 887	7 924
Export	-8 388	-17 253	-24 020	-25 944	-27 075	-26 029	-31 579	-31 901
Transformation Sector	-2 420	-19 113	-24 423	-18 548	-22 115	-21 683	-18 736	-19 691
Power Generation	-1 141	-12 038	-13 116	-13 578	-12 623	-13 188	-15 015	-16 505
Final Energy Consumption	1 087	3 840	6 940	6 217	8 465	10 147	8 897	8 734
Industry	473	2 313	5 286	4 285	4 274	4 530	4 170	4 411
Transport		7	95	245	270	291	256	250
Residential	4	4	5	6	6		1	1
Commerce & Public Services	4	12	23	30	31	23	19	20
Others	605	1 503	1 532	1 651	3 883	5 304	4 451	4 052
Electricity								
Power Generation	1 979	5 528	8 087	10 292	10 928	11 554	11 896	12 682
Thermal	1 636	4 927	7 570	9 686	9 695	10 228	10 671	11 317
Hydro	343	601	517	547	693	796	910	1 151
Nuclear								
Others				59	540	530	315	213
Final Energy Consumption	1 715	5 263	6 944	8 993	9 236	10 011	10 585	11 036
Industry	830	2 805	3 371	3 994	4 045	4 509	4 806	5 070
Transport		4	5	18	18	21	21	22
Residential		975	1 395	1 937	1 974	2 126	2 261	2 345
Commerce & Public Services	885	1 478	2 172	3 020	3 172	3 325	3 465	3 564
Others				24	26	30	32	36

Major Economic Indicators of Malaysia

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	18.21	23.42	25.80	28.12	28.57	29.02	29.47	29.90
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	81.8	162.5	204.9	255.0	268.5	283.2	296.6	314.3
Real Term (Billions of 2010 Price and 2010 PPP)	186.5	370.5	467.0	581.4	612.1	645.7	676.1	716.6
Nominal (Billions of Current USD)	44.0	93.8	143.5	255.0	298.0	314.4	323.3	338.1
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	4 492	6 939	7 942	9 069	9 398	9 759	10 065	10 512
Real Term (2010 Price and 2010 PPP)	10 240	15 820	18 105	20 675	21 424	22 247	22 945	23 965
Nominal (Current USD)	2 417	4 005	5 564	9 069	10 428	10 835	10 974	11 307
Nominal GDP & its Components (Billions of Current MYR) *1								
Gross Domestic Product	119	356	544	821	912	971	1 019	1 107
Household Final Consumption Expenditure	62	156	240	395	437	482	528	580
General Government Final Consumption Expenditure	16	36	62	103	121	134	140	148
Gross Fixed Capital Formation	39	90	121	184	202	246	270	287
Stock Change	- 1	6	1	8	9	4	- 6	- 11
Exports of Goods and Services	89	427	614	714	777	770	770	817
Imports of Goods and Services	86	359	494	583	635	666	683	715
Real GDP & its Components (Billions of 2005 MYR) *1								
Gross Domestic Product	263	523	660	821	865	912	955	1 013
Household Final Consumption Expenditure	120	207	287	395	422	458	491	525
General Government Final Consumption Expenditure	29	49	79	103	118	124	132	138
Gross Fixed Capital Formation	71	128	141	184	196	233	252	264
Stock Change	1	12	- 1	8	5	4	- 3	- 9
Exports of Goods and Services	154	494	641	714	744	731	733	771
Imports of Goods and Services	126	371	493	583	620	638	649	676
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	21.6	11.9	11.0	10.1	10.2	9.8	9.5	9.2
Industry	45.7	48.3	46.1	40.5	39.4	39.2	38.8	38.8
Services, etc.	32.7	39.8	42.9	49.0	49.9	50.4	51.1	51.4
Industrial Production Index (2010=100) *2	31.6	78.4	100.0	100.0	102.4	106.7	110.4	116.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	29.45	98.23	141.63	198.61	228.09	227.54	228.33	233.93
Imports, c.i.f.	29.26	81.96	114.32	164.62	187.47	196.39	205.90	208.85
Balance of Payments (Billions of Current USD) *2								
Trade Balance	2.53	20.72	32.98	42.30	49.55	40.72	32.49	N.A.
Current Account	-0.87	8.49	19.98	27.00	33.51	18.64	11.73	N.A.
Overall Balance	0.91	2.21	10.17	21.00	41.19	11.18	7.15	N.A.
Foreign Exchange Rate (MYR/USD) *1	3	4	4	3	3	3	3	3
PPP conversion factor, GDP (MYR/International Dollar) *1	1	1	1	1	1	1	1	1
Price Indices								
GDP Deflator (2005=100) *3	45.2	68.1	82.4	100.0	105.4	106.5	106.7	109.3
Producer Prices (2010=100) *2	50.4	69.0	82.4	100.0	109.6	109.7	107.8	109.3
Consumer Price Index (2010=100) *2	56.8	80.5	87.7	100.0	103.2	104.9	107.1	110.5
Growth Rate (%) *3								
Real GDP	9.01	8.86	5.33	7.43	5.29	5.47	4.71	5.99
Population	2.85	2.28	1.83	1.66	1.61	1.57	1.53	1.48
Price								
Producer Prices	0.86	3.10	6.86	5.61	9.58	0.08	-1.70	1.37
Consumer Price Index	2.62	1.53	2.96	1.71	3.20	1.66	2.11	3.14

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: MYR means Malaysian Ringgit, USD means United States Dollar

: PPP means Purchasing Power Parity

Mexico

Energy Balance Table of Mexico

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	7 752		144 788						
Import	4 760	334	386	29 950	15 953	817	581		6 703
Export	- 2		-64 097	-9 955		-2 744			- 109
International Marine Bunkers				- 823					- 733
International Aviation Bunkers				-3 245	- 13		-3 232		
Stock Changes	- 191		- 756	148	- 29		42		39
Total Primary Energy Supply	12 318	334	80 321	16 075	15 911	-1 927	-2 610		5 900
Transfers			-6 612	7 820		- 853	- 47	46	
Total Transformation Sector	-10 349	1 119	-74 013	58 400	18 812	3 852	2 595		19 324
Main Activity Producer	-8 138			-7 083					- 318
Autoproducers	- 42	- 121		-1 612					- 187
Gas Processing				- 792					
Petroleum Refineries			-74 076	67 953	18 812	3 919	2 595		19 830
Coal Transformation	-2 169	1 240							
Other Transformation			63	- 67		- 67			
Loss & Own Use		- 456		-5 940					- 740
Discrepancy	- 356		304	-3 287	- 3	24	62		-4 966
Total Final Energy Consumption	1 613	996		73 068	34 720	1 095		46	19 518
Industry Sector	1 613	858		5 752		24			1 488
Iron and Steel		856		91					26
Chemical & Petrochemical				258					162
Non-metallic Minerals	147			2 766					10
Other Industries	1 466	1		2 613					1 289
Transport Sector				51 173	34 720				15 170
Domestic Air Transport				15	15				
Road				49 775	34 705				13 799
Rail				630					630
Inland Waterways				753					741
Pipeline Transport									
Non-specified Transport									
Other Sector		139		12 201		67		46	2 861
Residential				6 094				46	
Commerce and Public Services				1 595					106
Agriculture				2 899					2 755
Non-specified Others		139		1 614		67			
Non-energy		139		5 556		1 072			
2013									
Indigenous Production	7 677		150 278						
Import	4 757	250	411	28 777	15 559	701	157		5 376
Export	- 2	- 1	-67 456	-9 042		-2 777	- 60		- 464
International Marine Bunkers				- 812					- 714
International Aviation Bunkers				-3 036	- 12		-3 024		
Stock Changes	232		- 440	238	49		- 15		199
Total Primary Energy Supply	12 663	249	82 793	16 126	15 597	-2 077	-2 942		4 398
Transfers			-6 827	8 030		- 703	- 33	32	
Total Transformation Sector	-9 719	1 151	-74 987	58 076	19 541	3 621	2 955		20 432
Main Activity Producer	-7 526			-10 419					- 616
Autoproducers	- 38	- 117		-1 656					- 224
Gas Processing				- 791					
Petroleum Refineries			-75 045	71 004	19 541	3 683	2 955		21 272
Coal Transformation	-2 155	1 267							
Other Transformation			59	- 62		- 62			
Loss & Own Use		- 436		-6 547					- 892
Discrepancy	- 139		- 980	-3 334	49	116	20		-4 974
Total Final Energy Consumption	2 805	964		72 351	35 187	958		32	18 963
Industry Sector	2 805	826		5 773		19			1 553
Iron and Steel		825		149					21
Chemical & Petrochemical				322					159
Non-metallic Minerals	144			2 400					10
Other Industries	2 661	2		1 822		- 919			1 362
Transport Sector				51 010	35 187				14 549
Domestic Air Transport				9	9				
Road				49 674	35 178				13 223
Rail				636					636
Inland Waterways				692					690
Pipeline Transport									
Non-specified Transport									
Other Sector				11 907		62		32	2 861
Residential				6 077				32	
Commerce and Public Services				1 635					106
Agriculture				2 898					2 755
Non-specified Others				1 298		62			
Non-energy		138		4 958		938			

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					37 258	3 345	2 522	3 866	8 740			208 271
711	3 268			1 918	23 622					183		59 235
-7 033	- 20			- 49	- 39					- 228		-74 322
- 89				- 1								- 823
												-3 245
129	- 17			- 15	- 335							-1 135
-6 283	3 231			1 853	60 506	3 345	2 522	3 866	8 740	- 45		187 981
	5 850		2 825									1 208
7 025	23	3 771		2 999	-31 388	-3 345	-2 522	-3 674	-1 769	25 929		-41 612
-6 764					-24 733	-3 280	-2 522	-3 282		22 210		-26 828
- 366	- 121			- 939	-7 175	- 64		- 392	-1 769	3 718		-7 457
	- 792				520							- 272
14 155	935	3 771		3 937								-6 122
												- 929
												- 4
-1 304		-3 771		- 126	-13 490					-4 930		-24 817
1 014	951			- 368	-1 901					738		-4 502
451	10 055		2 825	4 357	13 727			193	6 970	21 691		118 258
439	1 070			2 732	11 971			10	901	12 240		33 344
43				21	2 486					474		3 908
59	24			14	3 322					594		4 173
62	3			2 690	1 210					890		5 013
275	1 043			7	5 021			10	901	10 282		20 295
12	1 271				17					97		51 288
												15
	1 271				17							49 792
										97		727
12												753
	7 714			1 514	1 095			183	6 069	9 354		29 041
	6 048				834			108	6 069	4 637		17 742
	1 489				261			75		1 973		3 904
	143									862		3 761
	34			1 514						1 882		3 634
	34		2 825	1 625	644							6 338
					40 474	2 408	3 075	3 679	8 955			216 546
1 710	3 040			2 234	21 984					104		56 283
-5 197	- 7			- 537	- 30					- 107		-76 637
- 97				- 1								- 812
												-3 036
22	8			- 25	- 274							- 244
-3 562	3 041			1 671	62 154	2 408	3 075	3 679	8 955	- 3		192 100
	6 062		2 671									1 203
4 398	86	4 173		2 870	-30 015	-2 408	-3 075	-3 506	-1 374	25 570		-40 288
-9 803					-23 900	-2 360	-3 075	-3 294		22 259		-28 316
- 476	- 14			- 942	-6 681	- 48		- 212	-1 374	3 311		-6 814
	- 791				566							- 225
14 678	890	4 173		3 812								-4 042
												- 888
												- 4
-1 393		-4 173		- 89	-14 925					-4 970		-26 878
1 154	882			- 581	-2 281					169		-6 565
597	10 072		2 671	3 871	14 933			173	7 581	20 766		119 573
595	1 059			2 547	13 349			9	1 481	11 816		36 059
69				59	2 629					516		4 119
93	20			50	3 995					531		4 848
89	3			2 298	1 209					963		4 716
344	1 035				5 516			9	1 481	9 806		21 296
2	1 272				18					97		51 125
												9
	1 272				18							49 692
										97		733
2												692
	7 741			1 211	990			164	6 101	8 854		28 015
	6 044				768			96	6 101	4 504		17 545
	1 530				222			67		1 978		3 903
	142									884		3 782
	25			1 211						1 487		2 785
	25		2 671	1 323	576							5 672

Major Energy Indicators of Mexico

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	123 682	149 996	178 631	174 764	183 619	191 709	192 100	187 981
Indigenous Production	195 537	227 304	258 942	214 432	216 699	218 513	216 546	208 271
Import	5 829	25 706	31 695	47 980	52 332	56 341	56 283	59 235
Export	-75 752	-96 880	-108 698	-84 000	-81 768	-78 949	-76 637	-74 322
Final Energy Consumption	83 322	95 272	105 985	117 248	120 319	119 246	119 573	118 258
Industry	25 752	27 844	30 829	32 764	35 484	35 121	36 059	33 344
Transport	28 306	35 844	44 236	51 088	51 428	51 693	51 125	51 288
Residential	15 750	18 025	17 682	17 803	17 937	18 025	17 545	17 742
Commerce & Public Services	1 481	3 407	3 413	3 546	3 616	3 701	3 903	3 904
Others	12 033	10 152	9 826	12 048	11 855	10 705	10 941	11 981
Coal, Coal Products								
Primary Energy Supply	4 128	6 880	12 157	13 258	14 547	12 717	12 912	12 652
Indigenous Production	3 742	5 680	7 081	8 006	10 369	7 945	7 677	7 752
Import	241	1 991	4 857	5 192	4 881	4 502	5 007	5 094
Export	-6	-4	-4	-76	-167	-151	-3	-2
Transformation Sector	-2 606	-5 672	-8 794	-8 673	-9 095	-9 042	-8 569	-9 230
Power Generation	-1 725	-4 758	-7 996	-7 737	-8 218	-8 189	-7 681	-8 301
Final Energy Consumption	1 087	894	2 801	4 040	4 974	3 049	3 769	2 610
Industry	938	763	2 676	3 902	4 841	2 919	3 631	2 471
Transport								
Residential								
Commerce & Public Services								
Others	149	131	124	138	132	130	138	139
Crude Oil								
Primary Energy Supply	82 375	76 435	90 039	74 181	75 038	81 534	82 793	80 321
Indigenous Production	153 284	169 196	192 972	147 162	146 662	152 754	150 278	144 788
Import	237	370	333	324	306	374	411	386
Export	-70 838	-92 222	-103 191	-73 353	-72 406	-71 307	-67 456	-64 097
Transformation Sector	-74 377	-69 087	-76 760	-68 049	-67 622	-71 227	-74 987	-74 013
Petroleum Refineries	-74 443	-69 131	-76 785	-68 125	-67 673	-71 269	-75 045	-74 076
Petroleum Products								
Primary Energy Supply	-1 583	12 082	10 044	16 490	19 424	21 021	16 126	16 075
Import	4 933	20 845	18 813	29 792	32 584	32 388	28 777	29 950
Export	-4 740	-4 431	-5 139	-9 667	-9 014	-7 388	-9 042	-9 955
Transformation Sector	53 177	41 969	54 231	56 093	54 197	54 029	58 076	58 400
Power Generation	-15 118	-23 245	-16 186	-10 601	-11 822	-12 363	-12 075	-8 695
Petroleum Refineries	68 366	66 407	71 542	67 591	66 843	67 260	71 004	67 953
Final Energy Consumption	51 139	61 085	67 480	74 510	74 213	73 312	72 351	73 068
Industry	7 445	7 479	7 326	5 886	5 950	5 921	5 773	5 752
Transport	28 237	35 745	44 126	50 976	51 323	51 578	51 010	51 173
Residential	6 573	7 636	6 882	6 585	6 515	6 590	6 077	6 094
Commerce & Public Services	540	1 732	1 535	1 506	1 502	1 508	1 635	1 595
Others	8 344	8 493	7 611	9 557	8 924	7 716	7 855	8 454
Natural Gas								
Primary Energy Supply	23 119	35 473	46 095	54 222	57 100	59 292	62 154	60 506
Indigenous Production	22 750	33 376	38 448	42 570	42 099	40 759	40 474	37 258
Import	369	2 408	7 682	12 638	14 510	18 890	21 984	23 622
Export		-207	-211	-787	-69	-7	-30	-39
Transformation Sector	-3 431	-9 796	-19 342	-28 665	-30 556	-32 168	-30 015	-31 388
Power Generation	-3 431	-10 719	-20 215	-29 304	-31 232	-32 742	-30 581	-31 908
Final Energy Consumption	13 908	12 566	11 557	12 940	13 729	14 317	14 933	13 727
Industry	10 825	11 114	10 033	11 518	12 120	12 674	13 349	11 971
Transport		5	16	9	9	18	18	17
Residential	810	451	731	768	728	744	768	834
Commerce & Public Services		147	173	217	199	215	222	261
Others	2 273	849	604	428	673	666	576	644
Electricity								
Power Generation	9 962	17 688	21 562	23 696	26 040	26 425	25 570	25 929
Thermal	7 250	12 865	16 490	18 501	20 735	21 035	20 091	19 100
Hydro	2 019	2 849	2 379	3 193	3 117	2 742	2 408	3 345
Nuclear	253	707	929	506	868	754	1 015	832
Others	441	1 266	1 763	1 497	1 320	1 894	2 056	2 651
Final Energy Consumption	8 617	12 500	16 312	18 550	20 108	21 303	20 766	21 691
Industry	4 592	7 108	9 402	10 553	11 571	12 620	11 816	12 240
Transport	69	95	94	102	96	97	97	97
Residential	1 754	3 107	3 658	4 188	4 452	4 475	4 504	4 637
Commerce & Public Services	935	1 511	1 672	1 780	1 863	1 917	1 978	1 973
Others	1 267	679	1 486	1 926	2 125	2 194	2 371	2 744

Major Economic Indicators of Mexico

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	85.61	102.81	109.75	118.62	120.37	122.07	123.74	125.39
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	620	881	955	1 051	1 094	1 138	1 153	1 179
Real Term (Billions of 2010 Price and 2010 PPP)	1 021	1 452	1 575	1 732	1 802	1 875	1 900	1 943
Nominal (Billions of Current USD)	263	684	866	1 051	1 171	1 187	1 262	1 298
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	7 237	8 568	8 706	8 861	9 086	9 319	9 317	9 402
Real Term (2010 Price and 2010 PPP)	11 925	14 120	14 347	14 603	14 973	15 357	15 354	15 493
Nominal (Current USD)	3 069	6 650	7 894	8 861	9 730	9 721	10 197	10 351
Nominal GDP & its Components (Billions of Current MXN) *1								
Gross Domestic Product	739	6 464	9 441	13 282	14 550	15 627	16 116	17 252
Household Final Consumption Expenditure	514	4 578	6 386	8 900	9 643	10 510	11 041	11 730
General Government Final Consumption Expenditure	62	727	1 010	1 548	1 684	1 849	1 963	2 101
Gross Fixed Capital Formation	132	1 351	2 007	2 807	3 163	3 489	3 401	3 622
Stock Change	39	104	96	123	75	113	91	95
Exports of Goods and Services	137	1 699	2 508	3 968	4 549	5 101	5 122	5 575
Imports of Goods and Services	146	1 736	2 644	4 127	4 731	5 276	5 265	5 759
Real GDP & its Components (Billions of 2008 MXN) *1								
Gross Domestic Product	7 236	10 289	11 160	12 278	12 774	13 288	13 466	13 769
Household Final Consumption Expenditure	4 094	6 421	7 401	8 104	8 493	8 913	9 106	9 270
General Government Final Consumption Expenditure	941	1 217	1 222	1 387	1 421	1 471	1 486	1 521
Gross Fixed Capital Formation	1 270	2 054	2 341	2 601	2 804	2 938	2 893	2 977
Stock Change	78	157	108	112	56	90	74	80
Exports of Goods and Services	764	2 707	3 106	3 636	3 935	4 165	4 263	4 559
Imports of Goods and Services	726	2 456	3 035	3 671	3 967	4 184	4 292	4 549
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	4.0	3.3	3.2	3.1	3.0	3.0	3.0	3.1
Industry	37.6	37.8	37.1	34.9	34.7	34.3	33.6	33.7
Services, etc.	55.7	56.3	57.1	59.4	59.8	60.1	60.8	60.5
Industrial Production Index (2010=100) *2	64.6	91.1	97.0	100.0	103.1	106.0	105.6	108.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	40.71	166.37	214.21	298.31	349.57	370.77	380.02	397.13
Imports, c.i.f.	43.55	179.46	228.24	310.21	361.07	380.48	390.97	411.58
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-4.43	-8.37	-7.66	-2.94	-1.21	0.29	-0.91	-2.57
Current Account	-7.45	-18.78	-8.97	-5.04	-13.32	-15.88	-30.45	-26.45
Overall Balance	0.99	6.52	6.10	43.26	38.76	35.43	35.14	31.17
Foreign Exchange Rate (MXN/USD) *1	3	9	11	13	12	13	13	13
PPP conversion factor, GDP (MXN/International Dollar) *1	1	6	7	8	8	8	8	8
Price Indices								
GDP Deflator (2008=100) *3	10.2	62.8	84.6	108.2	113.9	117.6	119.7	125.3
Producer Prices (2010=100) *2	11.9	57.7	77.8	100.0	105.2	110.1	111.6	114.6
Consumer Price Index (2010=100) *2	11.8	63.3	80.5	100.0	103.4	107.7	111.8	116.2
Growth Rate (%)								
Real GDP *3	5.07	5.30	3.03	5.11	4.04	4.02	1.35	2.25
Population *3	2.04	1.52	1.38	1.54	1.47	1.42	1.37	1.33
Price *2								
Producer Prices	21.68	7.84	4.71	4.21	5.22	4.63	1.37	2.67
Consumer Price Index	26.65	9.49	3.99	4.16	3.41	4.11	3.81	4.02

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: MXN means Mexican Nuevo Peso, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Mexico in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	13.31
Local Currency Unit		Peso

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal			Coking Coal			Coking Coal		
Anthracite			Anthracite			Anthracite		
Other bituminous coal			Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil			Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG			LPG	pesos/tonne	9.03	LPG	pesos/kg	13.43
Naphtha			Naphtha			Naphtha		
Motor Gasoline			Motor Gasoline			Motor Gasoline	pesos/L	12.62
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene			Other Kerosene			Other Kerosene		
Gas/Diesel Oil			Gas/Diesel Oil	pesos/L	11.43	Gas/Diesel Oil	pesos/L	13.21
Fuel Oil			Fuel Oil	pesos/L	6.01	Fuel Oil	pesos/L	9.32
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen			Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas	pesos/GJ	53.19	Natural Gas	pesos/GJ	177.89
Liquefied Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial	cents/kWh	161.61
						Commercial	cents/kWh	303.58
						Residential	cents/kWh	119.85
						Others	cents/kWh	48.75
Other Energy Products			Other Energy Products			Other Energy Products		

New Zealand

Energy Balance Table of New Zealand

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	2 342		2 078						
Import	236		5 263	2 330	1 171		150		778
Export	-1 246		-1 750	- 275					- 6
International Marine Bunkers				- 288					- 53
International Aviation Bunkers				- 841			- 841		
Stock Changes	68		- 22	30	21		9		7
Total Primary Energy Supply	1 400		5 570	955	1 192		- 682		726
Transfers			- 231	240	4		- 1	1	- 6
Total Transformation Sector	- 744	92	- 5 388	5 429	1 354		1 029		2 032
Main Activity Producer	- 301								
Autoproducers	- 6	- 174							
Gas Processing									
Petroleum Refineries			- 5 388	5 429	1 354		1 029		2 032
Coal Transformation	- 437	266							
Other Transformation									
Loss & Own Use	- 37	- 53		- 356					
Discrepancy	- 38		49	- 194	- 134		- 85		48
Total Final Energy Consumption	580	39		6 074	2 416		260	1	2 800
Industry Sector	509	39		403	2			1	330
Iron and Steel		39							
Chemical & Petrochemical									
Non-metallic Minerals	83								
Other Industries	426			403	2			1	330
Transport Sector				4 693	2 375		260		1 993
Domestic Air Transport				271	11		260		
Road				4 260	2 364				1 887
Rail				46					46
Inland Waterways				116					60
Pipeline Transport									
Non-specified Transport									
Other Sector	71			615	39				477
Residential	8			68					2
Commerce and Public Services	25			114	5				81
Agriculture	38			340	31				308
Non-specified Others				93	3				85
Non-energy				362					
2013									
Indigenous Production	2 739		1 855						
Import	266		5 481	2 168	1 201		75		664
Export	-1 503		-1 527	- 268					
International Marine Bunkers				- 304					- 47
International Aviation Bunkers				- 867			- 867		
Stock Changes	- 73		- 67	- 85	- 27		19		- 7
Total Primary Energy Supply	1 430		5 742	644	1 175		- 773		610
Transfers			- 194	202	2		- 4	3	- 1
Total Transformation Sector	- 837	96	- 5 540	5 571	1 426		1 019		2 087
Main Activity Producer	- 395			- 1					- 1
Autoproducers	- 6	- 178							
Gas Processing									
Petroleum Refineries			- 5 540	5 572	1 426		1 019		2 088
Coal Transformation	- 436	274							
Other Transformation									
Loss & Own Use	- 4	- 56		- 353					
Discrepancy	- 17		- 9	- 134	- 181		3		17
Total Final Energy Consumption	572	40		5 929	2 422		246	3	2 714
Industry Sector	459	40		420	2			3	345
Iron and Steel		40							
Chemical & Petrochemical									
Non-metallic Minerals	106								
Other Industries	353			420	2			3	345
Transport Sector				4 577	2 380		246		1 889
Domestic Air Transport				256	11		246		
Road				4 157	2 370				1 781
Rail				47					47
Inland Waterways				117					62
Pipeline Transport									
Non-specified Transport									
Other Sector	113			932	39				479
Residential	7			74					10
Commerce and Public Services	33			115	5				82
Agriculture	72			338	31				306
Non-specified Others				404	3				80
Non-energy				321					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
				223	4 385	2 093		4 938	1 150			16 985
6	1								1			7 831
- 206	- 64											- 3 272
- 235												- 288
												- 841
- 15	1			7	8							84
- 450	- 62			230	4 393	2 093		4 938	1 151			20 500
	239			3								9
521		321		173	- 1 266	- 2 093		- 4 650	- 162	3 746	20	- 5 018
					- 1 229	- 2 092		- 4 614	- 39	3 625		- 4 650
					- 37	- 1		- 36	- 119	120	20	- 233
521		321		173								40
									- 4			- 171
												- 4
		- 321		- 35	- 231					- 409	- 20	- 1 106
- 10	- 5			- 8	114					- 14		- 83
61	173			362	3 010			287	989	3 323		14 302
1	69				1 372			200	847	1 193		4 563
					74					47		160
					770					36		806
					36					35		153
1	69				492			200	847	1 075		3 444
56	9									5		4 699
	9											271
												4 260
												46
56												116
										5		5
4	95				363			87	142	2 124		3 403
	66				141			16	137	1 063		1 433
	27				187			54	5	804		1 190
	1				35			17		229		660
4										27		120
				362	1 275							1 637
					4 022	1 982		4 379	1 144			16 121
	2			225					1			7 916
- 229	- 39											- 3 298
- 257												- 304
												- 867
- 42	2			- 31	- 44							- 268
- 528	- 34			194	3 978	1 982		4 379	1 144			19 300
	202											8
563		334		141	- 1 529	- 1 982		- 4 116	- 161	3 721	20	- 4 757
					- 1 492	- 1 981		- 4 080	- 39	3 600		- 4 388
					- 37	- 1		- 36	- 118	121	20	- 235
563		334		141								32
									- 3			- 162
												- 3
		- 334		- 19	- 225					- 420	- 20	- 1 079
23	- 1			5	30					- 14		- 143
58	166			321	2 254			264	983	3 287		13 330
3	67				1 071			171	840	1 188		4 190
					95					73		208
					518					37		555
					15					47		168
3	67				443			171	840	1 031		3 259
55	7				1					5		4 584
	7											256
												4 158
55												47
												117
										5		5
	92			321	329			92	144	2 094		3 703
	64				132			16	138	1 060		1 427
	27				164			61	5	803		1 181
	1				33			16		199		658
				321						32		437
				321	853							1 174

Major Energy Indicators of New Zealand

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	12 792	16 967	16 816	18 298	18 213	19 110	19 300	20 500
Indigenous Production	11 486	14 167	12 749	16 801	16 019	15 946	16 121	16 985
Import	3 812	5 942	7 404	7 199	7 419	7 480	7 916	7 831
Export	-1 696	-2 590	-2 485	-4 284	-3 975	-3 725	-3 298	-3 272
Final Energy Consumption	9 714	12 935	12 532	12 920	12 715	12 934	13 330	14 302
Industry	3 598	4 259	4 082	4 080	3 967	3 968	4 190	4 563
Transport	2 957	4 063	4 539	4 566	4 575	4 540	4 584	4 699
Residential	1 209	1 356	1 433	1 460	1 447	1 444	1 427	1 433
Commerce & Public Services	799	932	1 128	1 148	1 115	1 184	1 181	1 190
Others	1 151	2 326	1 350	1 666	1 610	1 798	1 948	2 417
Coal, Coal Products								
Primary Energy Supply	1 185	1 107	2 194	1 312	1 436	1 640	1 430	1 400
Indigenous Production	1 423	2 074	3 164	3 137	2 894	2 883	2 739	2 342
Import	1	11	562	133	91	1	266	236
Export	-239	-1 116	-1 667	-1 708	-1 536	-1 582	-1 503	-1 246
Transformation Sector	-311	-484	-1 520	-637	-706	-995	-741	-652
Power Generation	-169	-382	-1 394	-498	-535	-837	-579	-481
Final Energy Consumption	675	516	575	604	553	567	612	619
Industry	542	434	483	515	444	441	499	548
Transport	2	2	2	1	1			
Residential	87	25	20	12	17	10	7	8
Commerce & Public Services	35	43	43	33	29	32	33	25
Others	9	13	27	43	62	83	72	38
Crude Oil								
Primary Energy Supply	4 373	5 430	5 214	5 479	5 662	6 048	5 742	5 570
Indigenous Production	1 966	1 944	1 084	2 745	2 382	2 121	1 855	2 078
Import	3 293	4 724	4 829	5 233	5 370	5 618	5 481	5 263
Export	-965	-1 263	-636	-2 453	-2 144	-1 838	-1 527	-1 750
Transformation Sector	-4 879	-5 204	-5 171	-5 360	-5 558	-5 793	-5 540	-5 388
Petroleum Refineries	-4 879	-5 204	-5 171	-5 360	-5 558	-5 793	-5 540	-5 388
Petroleum Products								
Primary Energy Supply	-863	277	906	715	443	436	644	955
Import	519	1 208	2 013	1 833	1 956	1 860	2 168	2 330
Export	-492	-211	-183	-122	-296	-304	-268	-275
Transformation Sector	5 582	5 266	5 425	5 372	5 603	5 812	5 571	5 429
Power Generation	-6		-1			-1	-1	
Petroleum Refineries	4 975	5 266	5 426	5 372	5 603	5 813	5 572	5 429
Final Energy Consumption	4 026	5 306	5 963	5 903	5 880	5 840	5 929	6 074
Industry	285	337	426	346	331	364	420	403
Transport	2 893	4 055	4 532	4 559	4 568	4 533	4 577	4 693
Residential	12	49	67	69	72	73	74	68
Commerce & Public Services	168	119	150	128	141	121	115	114
Others	667	745	788	802	768	748	743	795
Natural Gas								
Primary Energy Supply	3 871	5 058	3 227	3 727	3 409	3 839	3 978	4 393
Indigenous Production	3 871	5 055	3 227	3 854	3 480	3 797	4 022	4 385
Import								
Export								
Transformation Sector	-1 990	-1 898	-1 724	-1 762	-1 509	-1 529	-1 529	-1 266
Power Generation	-1 240	-1 898	-1 724	-1 762	-1 509	-1 529	-1 529	-1 266
Final Energy Consumption	1 797	3 010	1 333	1 778	1 701	1 928	2 254	3 010
Industry	1 228	1 337	705	920	897	907	1 071	1 372
Transport	57			1	1	1	1	
Residential	75	156	141	129	123	135	132	141
Commerce & Public Services	94	136	166	148	119	169	164	187
Others	343	1 381	321	580	561	716	886	1 310
Electricity								
Power Generation	2 775	3 375	3 695	3 859	3 824	3 806	3 721	3 746
Thermal	517	944	1 341	1 101	985	1 147	1 013	857
Hydro	1 994	2 101	2 006	2 126	2 160	1 969	1 982	2 093
Nuclear								
Others	220	274	291	521	562	571	595	628
Final Energy Consumption	2 427	2 947	3 270	3 367	3 320	3 312	3 287	3 323
Industry	963	1 206	1 316	1 266	1 265	1 198	1 188	1 193
Transport	5	6	5	5	5	5	5	5
Residential	877	968	1 044	1 094	1 081	1 074	1 060	1 063
Commerce & Public Services	458	589	703	778	767	803	803	804
Others	125	178	200	224	202	232	231	257

Major Economic Indicators of New Zealand

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	3.33	3.86	4.13	4.35	4.38	4.41	4.44	4.51
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	84.7	114.2	139.1	146.6	150.5	154.6	157.1	162.1
Real Term (Billions of 2010 Price and 2010 PPP)	78.6	106.0	129.1	136.0	139.7	143.5	145.8	150.4
Nominal (Billions of Current USD)	45.4	54.4	114.7	146.6	168.5	176.6	190.7	200.1
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	25 423	29 603	33 657	33 691	34 335	35 082	35 363	35 939
Real Term (2010 Price and 2010 PPP)	23 596	27 475	31 239	31 270	31 868	32 561	32 822	33 356
Nominal (Current USD)	13 640	14 113	27 751	33 691	38 426	40 067	42 928	44 381
Nominal GDP & its Components (Billions of Current NZD) *1								
Gross Domestic Product	76	120	163	203	213	218	233	241
Household Final Consumption Expenditure	46	69	95	118	125	129	134	138
General Government Final Consumption Expenditure	14	20	29	40	41	42	44	45
Gross Fixed Capital Formation	16	25	40	40	42	45	49	54
Stock Change		1	1	1	1	1	2	1
Exports of Goods and Services	20	43	46	62	65	63	67	67
Imports of Goods and Services	20	39	48	57	61	61	63	66
Real GDP & its Components (Billions of 2005 NZD) *1								
Gross Domestic Product	117	158	193	203	209	215	218	225
Household Final Consumption Expenditure	65	85	107	118	122	125	129	132
General Government Final Consumption Expenditure	24	28	35	40	40	40	41	42
Gross Fixed Capital Formation	20	29	44	40	42	45	48	53
Stock Change		1	1	1	1	1	2	N.A.
Exports of Goods and Services	27	47	55	62	63	65	65	68
Imports of Goods and Services	22	36	53	57	61	61	66	71
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	9.5	8.9	8.1	6.6	7.2	7.4	7.4	7.8
Industry	26.2	23.6	23.2	21.2	20.5	20.5	20.8	21.1
Services, etc.	57.4	60.3	61.0	64.4	64.3	63.7	64.4	64.1
Manufacturing Production Index (2010=100) *2	57.5	91.0	102.8	100.0	97.6	97.6	98.6	101.1
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	9.39	13.27	21.73	31.40	37.67	37.30	39.44	41.62
Imports, c.i.f.	9.50	13.91	26.22	30.62	37.10	38.25	39.64	42.52
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	0.56	-3.04	2.00	2.21	0.05	1.05	0.96
Current Account	N.A.	-1.98	-8.03	-3.43	-4.81	-6.92	-5.93	-6.41
Overall Balance	N.A.	-0.46	3.34	2.90	5.76	-2.08	-8.59	-1.54
Foreign Exchange Rate (NZD/USD) *1	2	2	1	1	1	1	1	1
PPP conversion factor, GDP (NZD/International Dollar) *1	2	1	2	1	1	1	1	1
Price Indices								
GDP Deflator (2005=100) *3	64.8	75.6	84.4	100.0	102.1	101.6	106.7	107.3
Industry Input Prices (2010=100) *2	60.6	73.6	82.4	100.0	104.0	104.4	106.8	105.0
Consumer Price Index (2010=100) *2	64.7	77.6	87.0	100.0	104.4	105.4	106.7	107.7
Growth Rate (%) *3								
Real GDP	0.14	2.77	3.40	1.37	2.69	2.74	1.58	3.17
Population	0.93	0.59	1.14	1.12	0.77	0.55	0.77	1.52
Price								
Industry Input Prices	4.64	8.30	5.37	3.86	3.96	0.43	2.28	-1.69
Consumer Price Index	6.10	3.01	3.04	2.30	4.43	0.88	1.30	0.91

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: NZD means New Zealand Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in New Zealand in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	
Local Currency Unit		NZD

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal			Coking Coal			Coking Coal		
Anthracite			Anthracite			Anthracite		
Other bituminous coal			Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil			Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG			LPG			LPG		
Naphtha			Naphtha			Naphtha		
Motor Gasoline			Motor Gasoline			Motor Gasoline (premium)	NZD/L	2.21
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene			Other Kerosene			Other Kerosene		
Gas/Diesel Oil			Gas/Diesel Oil			Gas/Diesel Oil (retail)	NZD/L	1.41
Fuel Oil			Fuel Oil			Fuel Oil ¹	NZD/tonne	769.53
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen			Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas			Natural Gas Households ²	NZD/GJ	36.81
Liquefied Natural Gas			Liquefied Natural Gas			Natural Gas Industry	NZD/GJ	7.44
Compressed Natural Gas			Compressed Natural Gas			Liquefied Natural Gas		
						Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity			Industrial		
						Commercial		
						Residential	NZD/MWh	284.63
						Others		
Other Energy Products			Other Energy Products			Other Energy Products		

Notes:

¹ Weighted-average price of light and heavy fuel oils used in Industry.

² Average natural gas sales price over all consumer types. There is no information on the split between retail and wholesale gas sales.

Papua New Guinea

Energy Balance Table of Papua New Guinea

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production			819						
Import			1 115	846	33		46	13	333
Export			- 787						
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes			- 68	- 43	2	- 8		2	- 12
Total Primary Energy Supply			1 079	803	35	- 8	46	14	322
Transfers			- 17	18	85	- 259	72	- 70	201
Total Transformation Sector			-1 063	375	3	277		100	314
Main Activity Producer				- 80					
Autoproducers				- 534					- 93
Gas Processing									
Petroleum Refineries			-1 063	989	3	277		100	406
Coal Transformation									
Other Transformation									
Loss & Own Use									
Discrepancy				- 1					
Total Final Energy Consumption				1 194	123	10	118	45	836
Industry Sector				435		10			397
Iron and Steel									
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries				435		10			397
Transport Sector				588	123		118		338
Domestic Air Transport									
Road									
Rail									
Inland Waterways									
Pipeline Transport									
Non-specified Transport				588	123		118		338
Other Sector				171				45	101
Residential									
Commerce and Public Services									
Agriculture									
Non-specified Others				171				45	101
Non-energy									
2013									
Indigenous Production			799						
Import			1 274	406				44	65
Export			- 781						
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes			62	- 14	- 7	- 6	- 5		3
Total Primary Energy Supply			1 354	393	- 7	- 6	- 5	44	68
Transfers			- 16	13	93	- 383			300
Total Transformation Sector			-1 337	726	29	399	121		415
Main Activity Producer				- 76					
Autoproducers				- 507					- 123
Gas Processing									
Petroleum Refineries			-1 337	1 309	29	399	121		539
Coal Transformation									
Other Transformation									
Loss & Own Use									
Discrepancy				1					
Total Final Energy Consumption				1 133	114	9	116	44	784
Industry Sector				420		9			383
Iron and Steel									
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries				420		9			383
Transport Sector				538	114		116		300
Domestic Air Transport									
Road									
Rail									
Inland Waterways									
Pipeline Transport									
Non-specified Transport				538	114		116		300
Other Sector				175				44	101
Residential									
Commerce and Public Services									
Agriculture									
Non-specified Others				175				44	101
Non-energy									

Note: The above energy balances tables were estimated by the CA.

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					1 502	88		363				2 772
421	1											1 961
					-1 354							-2 142
- 28	1											- 112
392	2				147	88		363				2 479
				- 12								1
- 367	14			34	- 147	- 88		- 363		359		- 926
- 80						- 57				81		- 56
- 442					- 147	- 31		- 363		278		- 797
155	14			34								- 73
										- 44		- 44
												- 1
25	15			23						315		1 509
16	12									228		663
16	12									228		663
8												588
8												588
	3			23						87		258
	3			23						87		258
298					127	86		363				1 374
												1 681
												- 781
2												48
300					127	86		363				2 321
12	2			- 11								- 3
- 288	13			37	- 123	- 86		- 363		341		- 842
- 76						- 56				78		- 53
- 384					- 123	- 30		- 363		263		- 761
171	13			37								- 28
						- 3				- 39		- 42
1												
24	15			27						302		1 434
16	12									220		640
16	12									220		640
8												538
8												538
	3			27						82		257
	3			27						82		257

Major Energy Indicators of Papua New Guinea

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	866	1 123	1 797	2 075	2 084	2 178	2 321	2 479
Indigenous Production	4 612	3 866	2 775	1 458	1 464	1 330	1 374	2 772
Import	797	908	1 810	1 583	1 550	1 628	1 681	1 961
Export	-4 512	-3 651	-2 785	- 886	- 886	- 772	- 781	-2 142
Final Energy Consumption	613	880	1 134	1 249	1 292	1 357	1 434	1 509
Industry	190	480	567	591	590	603	640	663
Transport	209	306	347	429	465	507	538	588
Residential	35							
Commerce & Public Services								
Others	179	94	220	229	237	247	257	258
Coal, Coal Products								
Primary Energy Supply	1							
Indigenous Production								
Import	1							
Export								
Transformation Sector								
Power Generation								
Final Energy Consumption	1							
Industry								
Transport								
Residential								
Commerce & Public Services								
Others	1							
Crude Oil								
Primary Energy Supply			1 036	961	937	1 069	1 354	1 079
Indigenous Production	4 500	3 651	2 462	890	890	756	799	819
Import			917	993	982	1 111	1 274	1 115
Export	-4 500	-3 651	-2 344	- 886	- 886	- 755	- 781	- 787
Transformation Sector			- 993	- 966	- 966	-1 063	-1 337	-1 063
Petroleum Refineries			- 993	- 966	- 966	-1 063	-1 337	-1 063
Petroleum Products								
Primary Energy Supply	753	908	449	546	573	535	393	803
Import	796	908	893	590	568	517	406	846
Export	- 12		- 441			- 17		
Transformation Sector			431	427	439	537	726	375
Power Generation	- 345	- 222	- 569	- 516	- 516	- 531	- 583	- 614
Petroleum Refineries			1 000	943	956	1 068	1 309	989
Final Energy Consumption	398	686	859	969	1 009	1 070	1 133	1 194
Industry	87	338	372	385	385	396	420	435
Transport	209	306	347	429	465	507	538	588
Residential	24							
Commerce & Public Services								
Others	78	42	139	154	160	167	175	171
Natural Gas								
Primary Energy Supply	72	119	125	123	128	127	127	147
Indigenous Production	72	119	125	123	128	127	127	1 502
Import								
Export								-1 354
Transformation Sector			- 120	- 118	- 123	- 120	- 123	- 147
Power Generation		- 119	- 120	- 118	- 123	- 120	- 123	- 147
Final Energy Consumption	72							
Industry								
Transport								
Residential								
Commerce & Public Services								
Others	72							
Electricity								
Power Generation	154	204	296	312	315	324	341	359
Thermal	114	108	210	194	196	203	219	235
Hydro	40	80	74	82	83	85	86	88
Nuclear								
Others		16	11	36	36	36	36	36
Final Energy Consumption	142	194	262	276	279	287	302	315
Industry	103	142	195	201	201	207	220	228
Transport								
Residential	11							
Commerce & Public Services								
Others	28	52	67	75	78	80	82	87

Major Economic Indicators of Papua New Guinea

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	4.16	5.37	6.09	6.85	7.00	7.15	7.31	7.46
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	4.4	6.5	7.3	9.7	10.8	11.6	12.3	13.3
Real Term (Billions of 2010 Price and 2010 PPP)	6.5	9.8	10.9	14.5	16.1	17.4	18.3	19.9
Nominal (Billions of Current USD)	3.2	3.5	4.9	9.7	12.9	15.4	15.4	16.9
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	1 052	1 216	1 195	1 419	1 536	1 624	1 678	1 784
Real Term (2010 Price and 2010 PPP)	1 574	1 820	1 788	2 123	2 298	2 430	2 511	2 668
Nominal (Current USD)	775	651	799	1 419	1 839	2 151	2 109	2 268
Nominal GDP & its Components (Billions of Current PGK) *1								
Gross Domestic Product	3	10	15	26	31	32	35	42
Household Final Consumption Expenditure	2	4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
General Government Final Consumption Expenditure	1	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gross Fixed Capital Formation	1	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Stock Change			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Exports of Goods and Services	1	6	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	2	5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Real GDP & its Components (Billions of 1998 PGK) *1								
Gross Domestic Product	5	8	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Household Final Consumption Expenditure	3	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
General Government Final Consumption Expenditure	1	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gross Fixed Capital Formation	1	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Stock Change			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Exports of Goods and Services	3	5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	3	4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	39.1	39.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Industry	22.5	31.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Services, etc.	40.1	23.8	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Industrial Production Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	1.18	2.10	3.27	5.74	6.91	6.33	5.95	5.67
Imports, c.i.f.	1.19	1.15	1.73	3.95	4.76	5.33	6.08	4.00
Balance of Payments (Billions of Current USD) *2								
Trade Balance	0.07	1.10	1.79	2.22	2.67	1.57	N.A.	N.A.
Current Account	-0.08	0.35	0.54	-0.91	-0.70	-2.83	N.A.	N.A.
Overall Balance	0.14	0.09	-0.03	0.16	-0.04	-0.58	N.A.	N.A.
Foreign Exchange Rate (PGK/USD) *1	1	3	3	3	2	2	2	2
PPP conversion factor, GDP (PGK/International Dollar) *1	1	1	2	2	2	2	2	2
Price Indices								
GDP Deflator (1998=100) *3	59.3	125.6	175.0	229.4	239.4	232.7	237.9	264.0
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2010=100) *2	21.4	52.9	77.1	100.0	104.4	109.2	114.6	120.6
Growth Rate (%) *3								
Real GDP	-3.01	-2.49	6.34	7.67	10.67	8.09	5.54	8.53
Population	2.48	2.62	2.47	2.30	2.24	2.20	2.15	2.12
Price								
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	6.95	15.60	1.78	6.01	4.44	4.54	4.96	5.21

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: PGK means Kina, USD means United States Dollar

: PPP means Purchasing Power Parity

Peru

Energy Balance Table of Peru

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	147		7 506						
Import	370	9	4 212	2 659	111		159		2 388
Export	- 177	- 24	- 783	-3 198	-1 610		- 813		- 1
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes	441	74	- 78	- 291	25		728		- 623
Total Primary Energy Supply	782	59	10 857	- 830	-1 473		74		1 764
Transfers			-1 473	1 577	963		- 62	62	- 764
Total Transformation Sector	- 202		-9 380	9 097	2 149		777		3 833
Main Activity Producer	- 44			- 100					- 33
Autoproducers	- 158			- 205					- 94
Gas Processing									
Petroleum Refineries			-9 566	9 402	2 149		777		3 960
Coal Transformation									
Other Transformation			186						
Loss & Own Use				- 270	- 18				- 18
Discrepancy	53		- 4	147	39		38		75
Total Final Energy Consumption	633	59		9 721	1 660		827	62	4 891
Industry Sector	633	59		1 249	22				721
Iron and Steel	88	59		402	2				360
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries	545			847	20				361
Transport Sector				6 761	1 415		827		3 982
Domestic Air Transport				827			827		
Road				5 798	1 415				3 982
Rail				136					
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector				1 387	224			62	188
Residential				801					
Commerce and Public Services				424	201			62	78
Agriculture				46	22				23
Non-specified Others				116	1				87
Non-energy				325					
2013									
Indigenous Production	137		7 357						
Import	726	24	4 286	3 127	421		140		2 400
Export	- 89	- 24	- 741	-4 067	-1 963		- 596		- 54
International Marine Bunkers									
International Aviation Bunkers									
Stock Changes	82	24	- 86	326	17		516		- 380
Total Primary Energy Supply	856	24	10 817	- 615	-1 525		60		1 966
Transfers			-1 647	1 758	1 089		- 57	56	- 777
Total Transformation Sector	- 329		-9 165	8 840	1 998		719		3 736
Main Activity Producer	- 192			- 167					- 53
Autoproducers	- 137			- 205					- 90
Gas Processing									
Petroleum Refineries			-9 351	9 213	1 998		719		3 879
Coal Transformation									
Other Transformation			186						
Loss & Own Use				- 257	- 17				- 13
Discrepancy	21		- 5	149	35		27		79
Total Final Energy Consumption	548	24		9 875	1 581		750	56	4 991
Industry Sector	548	24		1 312	21				736
Iron and Steel	69	24		410	2				368
Chemical & Petrochemical									
Non-metallic Minerals									
Other Industries	479			903	19				368
Transport Sector				6 791	1 347		750		4 063
Domestic Air Transport				750			750		
Road				5 813	1 347				4 063
Rail				228					
Inland Waterways									
Pipeline Transport									
Non-specified Transport									
Other Sector				1 388	213			56	192
Residential				789					
Commerce and Public Services				409	192			56	80
Agriculture				45	21				24
Non-specified Others				146	1				88
Non-energy				383					

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					11 849	1 909		25	2 646			24 082
									370			7 620
- 755	- 19				- 4 624							- 8 805
				146					- 254			- 108
- 1 155	- 187			146	7 225	1 909		25	2 762			22 788
- 39	1 724			- 307								105
1 509	204	142		483	- 3 774	- 1 909		- 39	- 664	3 914		- 2 956
- 67					- 3 580	- 1 857		- 39	- 115	3 655		- 2 080
- 79		- 32			- 195	- 52			- 302	260		- 651
1 655	204	174		483								- 164
									- 247			- 61
- 78		- 150		- 6	- 1 585					- 500		- 2 355
- 12	- 9	7		8	- 195			22		- 1		22
225	1 732			325	1 670			8	2 098	3 414		17 603
62	444				906				36	1 972		4 854
1	38				86					893		1 529
61	406				819				36	1 078		3 325
136	402				549					3		7 312
												827
	402				549							6 347
136										3		139
27	886				216			8	2 063	1 439		5 112
	801				35			2	2 060	767		3 665
	82				180			6	3	672		1 285
	1											46
27	1											116
				325								325
					11 193	1 871		24	2 618			23 201
				164					312			8 475
- 1 187	- 259			- 9	- 5 412							- 10 333
288	- 19			- 95					- 176			169
- 899	- 278			60	5 781	1 871		24	2 753			21 512
- 39	1 796			- 311								111
1 413	188	139		646	- 3 232	- 1 871		- 17	- 556	3 723		- 2 607
- 115					- 3 058	- 1 866		- 17	- 136	3 494		- 1 942
- 88		- 28			- 174	- 5			- 167	229		- 459
1 616	188	167		646								- 138
									- 253			- 67
- 76		- 143		- 8	- 614					- 434		- 1 305
9	- 1	5		- 5	- 174				- 4			- 12
408	1 705			383	1 761			7	2 193	3 290		17 699
125	431				1 052				133	1 871		4 941
2	37				80					797		1 380
122	394				972				133	1 074		3 560
228	402				527							7 319
												750
	402				527							6 340
228												229
55	872				182			7	2 060	1 418		5 056
	789				23			2	2 057	753		3 624
	81				159			5	3	665		1 241
	1											45
55	1											146
				383								383

Major Energy Indicators of Peru

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	9 944	12 357	13 627	17 512	21 296	22 035	21 512	22 788
Indigenous Production	10 599	9 144	10 609	18 814	21 650	22 372	23 201	24 082
Import	1 667	5 393	6 791	7 459	8 280	8 076	8 475	7 620
Export	-2 263	-2 093	-3 808	-7 075	-9 152	-9 987	-10 333	-8 805
Final Energy Consumption	8 751	10 908	11 181	15 571	16 342	16 864	17 699	17 603
Industry	1 954	3 160	2 083	4 234	4 400	4 403	4 941	4 854
Transport	2 497	3 384	209	6 020	6 320	6 803	7 319	7 312
Residential	3 630	3 560	3 263	3 893	3 526	3 600	3 624	3 665
Commerce & Public Services	295	272	240	925	1 096	1 098	1 241	1 285
Others	375	532	5 386	498	1 000	960	574	486
Coal, Coal Products								
Primary Energy Supply	145	630	921	813	799	846	880	841
Indigenous Production	68	12	30	64	114	148	137	147
Import	71	588	808	701	433	456	750	378
Export				- 75	- 119	- 115	- 113	- 200
Transformation Sector	- 37	- 241	- 372	- 276	- 289	- 307	- 329	- 202
Power Generation		- 99	- 230	- 276	- 289	- 307	- 329	- 202
Final Energy Consumption	91	406	557	657	557	574	573	692
Industry	84	406	99	657	557	574	573	692
Transport								
Residential								
Commerce & Public Services	7							
Others			457					
Crude Oil								
Primary Energy Supply	7 204	7 448	9 579	11 050	10 505	10 874	10 817	10 857
Indigenous Production	6 549	5 011	5 306	7 115	6 740	6 900	7 357	7 506
Import	887	3 087	4 839	4 805	4 640	4 582	4 286	4 212
Export	- 150	- 686	- 651	- 956	- 803	- 788	- 741	- 783
Transformation Sector	-7 427	-7 735	-8 235	-10 246	-9 765	-9 636	-9 165	-9 380
Petroleum Refineries	-7 427	-7 735	-8 235	-10 320	-9 965	-9 833	-9 351	-9 566
Petroleum Products								
Primary Energy Supply	-1 387	158	-2 146	-4 133	- 309	- 491	- 615	- 830
Import	709	1 718	1 144	1 877	2 991	2 755	3 127	2 659
Export	-2 114	-1 406	-3 156	-4 105	-3 561	-4 409	-4 067	-3 198
Transformation Sector	6 625	6 888	7 458	9 533	9 000	8 852	8 840	9 097
Power Generation	- 759	- 686	- 619	- 524	- 573	- 525	- 373	- 305
Petroleum Refineries	7 384	7 574	8 078	10 057	9 573	9 377	9 213	9 402
Final Energy Consumption	5 015	6 864	6 468	8 436	9 292	9 520	9 875	9 721
Industry	1 001	1 675	792	1 273	1 306	1 257	1 312	1 249
Transport	2 497	3 384	209	5 690	5 962	6 300	6 791	6 761
Residential	853	1 026	604	652	668	712	789	801
Commerce & Public Services	288	247	57	323	356	381	409	424
Others	375	532	4 806	498	1 000	870	574	486
Natural Gas								
Primary Energy Supply	407	444	1 462	4 947	5 674	6 143	5 781	7 225
Indigenous Production	407	444	1 462	6 863	10 339	10 793	11 193	11 849
Import								
Export				-1 917	-4 666	-4 650	-5 412	-4 624
Transformation Sector	- 67	- 203	- 959	-2 816	-3 149	-3 536	-3 232	-3 774
Power Generation	- 67	- 203	- 959	-2 816	-3 149	-3 536	-3 232	-3 774
Final Energy Consumption	67	1	136	1 022	1 251	1 284	1 761	1 670
Industry	25		14	641	745	683	1 052	906
Transport				330	358	503	527	549
Residential	41	1		6	9	16	23	35
Commerce & Public Services				45	140	82	159	180
Others			121					
Electricity								
Power Generation	1 187	1 713	2 193	3 087	3 257	3 432	3 723	3 914
Thermal	241	268	528	1 132	1 210	1 424	1 532	1 550
Hydro	900	1 390	1 545	1 723	1 810	1 836	1 871	1 909
Nuclear								
Others	46	54	120	232	237	172	320	456
Final Energy Consumption	1 013	1 489	1 954	2 715	2 949	3 117	3 290	3 414
Industry	647	926	1 175	1 511	1 645	1 649	1 871	1 972
Transport								3
Residential	367	538	602	654	710	750	753	767
Commerce & Public Services		25	177	551	594	628	665	672
Others						89		

Major Economic Indicators of Peru

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	21.83	25.91	27.61	29.37	29.76	30.16	30.57	30.97
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	58.9	86.3	106.4	148.6	158.1	167.6	177.4	181.6
Real Term (Billions of 2010 Price and 2010 PPP)	112.6	165.2	203.7	284.3	302.6	320.6	339.4	347.5
Nominal (Billions of Current USD)	28.3	51.0	75.0	148.6	170.6	192.7	202.1	202.9
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	2 697	3 331	3 855	5 058	5 314	5 556	5 803	5 863
Real Term (2010 Price and 2010 PPP)	5 160	6 375	7 377	9 678	10 169	10 632	11 105	11 220
Nominal (Current USD)	1 298	1 967	2 715	5 058	5 733	6 391	6 612	6 550
Nominal GDP & its Components (Billions of Current PEN) *1								
Gross Domestic Product	5	178	247	420	470	508	546	576
Household Final Consumption Expenditure	4	128	163	256	282	310	336	363
General Government Final Consumption Expenditure		21	29	45	48	55	61	70
Gross Fixed Capital Formation	1	34	43	105	112	131	145	148
Stock Change		- 1	- 3	1	9	3	8	4
Exports of Goods and Services	1	30	66	111	139	138	132	129
Imports of Goods and Services	1	33	50	98	120	128	135	138
Real GDP & its Components (Billions of 2007 PEN) *1								
Gross Domestic Product	151	222	274	382	407	431	457	467
Household Final Consumption Expenditure	106	143	167	234	248	263	277	289
General Government Final Consumption Expenditure	16	25	30	42	44	48	51	56
Gross Fixed Capital Formation	22	40	44	98	104	120	129	126
Stock Change	1	- 1	- 3	1	8	2	7	3
Exports of Goods and Services	26	56	91	105	112	119	117	116
Imports of Goods and Services	19	41	54	97	109	121	125	123
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	6.9	7.7	6.9	6.2	6.3	6.0	5.9	5.7
Industry	34.6	35.2	38.2	36.7	36.2	35.7	35.6	34.4
Services, etc.	58.6	48.7	46.5	48.0	48.6	49.1	49.2	50.8
Manufacturing Production Index (2010=100) *2	41.2	58.7	74.6	100.0	108.6	110.1	116.4	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	3.23	7.03	17.37	35.80	46.38	47.41	42.86	39.53
Imports, c.i.f.	2.63	7.42	12.50	30.03	37.75	42.55	43.67	42.35
Balance of Payments (Billions of Current USD) *2								
Trade Balance	0.43	-0.09	5.58	7.17	9.93	5.97	0.61	N.A.
Current Account	-1.42	-1.55	1.15	-3.78	-3.18	-6.28	-9.13	N.A.
Overall Balance	-1.95	-0.51	1.18	9.62	5.57	13.92	1.05	N.A.
Foreign Exchange Rate (PEN/USD) *1		3	3	3	3	3	3	3
PPP conversion factor, GDP (PEN/International Dollar) *1		1	1	1	2	2	2	2
Price Indices								
GDP Deflator (2007=100) *3	3.5	80.1	90.2	109.8	115.4	117.9	119.6	123.2
Wholesale Price Index (2010=100) *2	4.7	79.0	86.8	100.0	106.3	108.2	108.6	110.6
Consumer Price Index (2010=100) *2	3.1	79.2	87.1	100.0	103.4	107.1	110.2	113.7
Growth Rate (%) *3								
Real GDP	-4.98	2.69	6.29	8.45	6.45	5.95	5.85	2.38
Population	2.14	1.38	1.24	1.28	1.31	1.34	1.35	1.33
Price								
Wholesale Price Index	6,737.4	4.33	2.29	1.83	6.34	1.77	0.38	1.83
Consumer Price Index	7,481.6	3.76	1.62	1.53	3.37	3.65	2.82	3.23

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: PEN means Nuevo Sol, USD means United States Dollar

: PPP means Purchasing Power Parity

The Republic of the Philippines

Energy Balance Table of the Republic of the Philippines

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	4 012		975						
Import	8 013		8 717	8 821	1 848	147	826	55	4 087
Export	-3 044		- 942	- 671	- 7	- 222			
International Marine Bunkers				- 89					- 23
International Aviation Bunkers				-1 040			-1 040		
Stock Changes	1 661		- 539	- 181	- 28	- 38	5	22	- 36
Total Primary Energy Supply	10 642		8 211	6 840	1 813	- 113	- 209	77	4 028
Transfers									
Total Transformation Sector	-8 227		-7 970	6 357	1 379	263	758	59	2 645
Main Activity Producer	-8 227			-1 378					- 334
Autoproducers									
Gas Processing									
Petroleum Refineries			-8 319	7 735	1 379	263	758	59	2 978
Coal Transformation									
Other Transformation			349						
Loss & Own Use									
Discrepancy			- 241	- 261	29	112	- 11	- 26	- 80
Total Final Energy Consumption	2 415			12 936	3 221	262	538	109	6 593
Industry Sector									
Iron and Steel	199			97				1	13
Chemical & Petrochemical	9			- 191		- 262		14	38
Non-metallic Minerals	1 691			144					33
Other Industries	362			988				1	451
Transport Sector									
Domestic Air Transport				542	5		538		
Road				7 549	3 054				4 453
Rail				11					11
Inland Waterways				710	157				375
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential	154			2 372	5			93	1 218
Commerce and Public Services				863				93	
Agriculture				1 432					1 053
Non-specified Others				31	1				30
Non-specified Others	154			46	4				135
Non-energy	154			450		262			
2013									
Indigenous Production	3 743		220						
Import	7 608		7 756	7 582	2 079		955	45	3 538
Export	-1 795		- 187	- 626	- 10	- 280			
International Marine Bunkers				- 163					- 21
International Aviation Bunkers				-1 097			-1 097		
Stock Changes	447		- 38	267	82	14		3	121
Total Primary Energy Supply	10 003		7 751	5 963	2 151	- 266	- 142	48	3 638
Transfers									
Total Transformation Sector	-7 806		-7 746	6 686	1 659	258	635	86	2 759
Main Activity Producer	-7 806			-1 077					- 247
Autoproducers									
Gas Processing									
Petroleum Refineries			-7 894	7 762	1 659	258	635	86	3 006
Coal Transformation									
Other Transformation			148						
Loss & Own Use									
Discrepancy			- 6	- 400	- 694	8	- 65	- 13	- 130
Total Final Energy Consumption	2 196			12 249	3 116		429	120	6 267
Industry Sector									
Iron and Steel	161			92				1	15
Chemical & Petrochemical	3			115				12	50
Non-metallic Minerals	1 666			177					59
Other Industries	253			897				2	533
Transport Sector									
Domestic Air Transport				433	4		429		
Road				7 390	3 089				4 244
Rail									
Inland Waterways				632	16				403
Pipeline Transport									
Non-specified Transport									
Other Sector									
Residential	114			2 199	7			105	962
Commerce and Public Services				880				104	
Agriculture				1 124					780
Non-specified Others				34					33
Non-specified Others	114			160	7			1	149
Non-energy				314					

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Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					3 061	786		8 879	9 851			27 564
708	849			302					190			25 741
- 232				- 209								- 4 656
- 66												- 89
- 98	- 2			- 6					- 9			- 1 040
311	846			87	3 061	786		8 879	10 032			48 452
597	316			341	- 2 872	- 786		- 8 879	- 2 481	6 644		- 18 213
- 1 044					- 2 872	- 786		- 8 879	- 107	6 644		- 15 605
1 641	316			341								- 584
									- 2 373			- 2 024
					- 111					- 1 197		- 1 308
- 88	43			- 240					2			- 501
819	1 205			188	78				7 553	5 448		28 430
527	127			95	78				1 121	1 843		6 865
68	14									376		671
108	5			- 93					1	112		286
94	17								1	140		1 976
256	91			188	78				1 120	1 215		3 932
178	42									10		8 822
	42											542
										10		7 549
178												21
												710
114	1 037			- 95					6 432	3 595		12 461
	770								6 065	1 803		8 731
113	267								364	1 613		3 410
									1	157		189
2				- 95					2	21		131
				188								605
					2 910	862		8 266	9 592			25 593
390	337			239					217			23 163
- 228				- 108								- 2 608
- 141												- 163
												- 1 097
46	2			- 2								676
66	339			129	2 910	862		8 266	9 809			45 564
705	337			247	- 2 737	- 862		- 8 266	- 2 428	6 473		- 16 686
- 829					- 2 737	- 862		- 8 266	- 106	6 473		- 14 380
1 534	337			247								- 131
									- 2 322			- 2 174
					- 110					- 513		- 623
60	496			- 62					42	- 666		- 1 030
831	1 172			314	63				7 422	5 295		27 226
497	111				63				1 091	1 778		6 296
63	12									363		616
48	5								1	108		226
104	15								1	135		1 979
283	79				63				1 089	1 172		3 475
214	57				1					10		8 466
	57					1						433
										10		7 391
214												10
												632
120	1 004								6 331	3 507		12 150
	776								5 970	1 773		8 623
116	228								357	1 574		3 056
									1	141		176
4									3	19		296
				314								314

Major Energy Indicators of the Republic of the Philippines

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	28 267	38 939	38 278	41 688	42 249	45 625	45 564	48 452
Indigenous Production	17 181	19 521	21 855	25 382	25 573	26 391	25 593	27 564
Import	12 555	21 760	18 943	21 617	20 964	22 074	23 163	25 741
Export	- 641	-1 753	-1 954	-3 883	-2 864	-2 442	-2 608	-4 656
Final Energy Consumption	19 442	23 497	22 747	25 301	25 016	25 949	27 226	28 430
Industry	4 725	5 472	5 275	5 947	5 825	5 732	6 296	6 449
Transport	4 077	7 436	7 808	8 067	7 750	8 108	8 466	8 822
Residential	9 132	8 167	7 208	8 099	8 217	8 402	8 623	8 731
Commerce & Public Services	841	1 726	1 962	2 668	2 743	3 028	3 056	3 410
Others	667	697	494	521	482	678	785	1 017
Coal, Coal Products								
Primary Energy Supply	1 358	4 539	5 230	7 030	7 726	9 316	10 003	10 642
Indigenous Production	649	715	1 520	3 510	3 632	3 879	3 743	4 012
Import	709	3 824	3 710	5 788	5 786	6 278	7 608	8 013
Export				-2 163	-1 444	-1 675	-1 795	-3 044
Transformation Sector	- 559	-3 784	-4 134	-5 090	-5 785	-6 300	-7 806	-8 227
Power Generation	- 559	-3 784	-4 134	-5 090	-5 785	-6 300	-7 806	-8 227
Final Energy Consumption	696	840	1 184	1 933	1 838	1 897	2 196	2 415
Industry	526	701	1 056	1 831	1 736	1 671	2 082	2 107
Transport								
Residential								
Commerce & Public Services								
Others	171	139	127	103	103	226	114	308
Crude Oil								
Primary Energy Supply	10 825	15 121	10 493	9 054	9 019	9 033	7 751	8 211
Indigenous Production	229	55	765	922	313	220	220	975
Import	10 597	15 033	10 301	9 095	9 124	8 872	7 756	8 717
Export			- 738	- 862	- 329	- 141	- 187	- 942
Transformation Sector	-10 242	-14 721	-9 958	-8 650	-9 187	-8 280	-7 746	-7 970
Petroleum Refineries	-10 242	-14 721	-9 958	-8 733	-9 277	-8 402	-7 894	-8 319
Petroleum Products								
Primary Energy Supply	- 220	527	2 984	4 528	3 734	4 793	5 963	6 840
Import	1 249	2 903	4 931	6 639	5 905	6 755	7 582	8 821
Export	- 641	-1 753	-1 216	- 857	-1 091	- 626	- 626	- 671
Transformation Sector	7 939	12 333	8 126	7 071	8 263	7 256	6 686	6 357
Power Generation	-2 135	-1 925	-1 411	-1 487	- 796	- 971	-1 077	-1 378
Petroleum Refineries	10 074	14 258	9 537	8 558	9 059	8 227	7 762	7 735
Final Energy Consumption	7 833	12 592	11 374	11 727	11 296	11 556	12 249	12 936
Industry	2 439	2 664	1 729	1 507	1 396	1 275	1 281	1 300
Transport	4 077	7 431	7 800	8 057	7 739	8 097	8 455	8 813
Residential	766	1 411	1 000	930	916	901	880	863
Commerce & Public Services	98	554	520	942	980	967	1 124	1 432
Others	454	532	325	291	264	315	508	527
Natural Gas								
Primary Energy Supply		9	2 724	3 054	3 293	3 160	2 910	3 061
Indigenous Production		9	2 724	3 054	3 293	3 160	2 910	3 061
Import								
Export								
Transformation Sector		- 9	-2 589	-2 865	-3 137	-3 015	-2 737	-2 872
Power Generation		- 9	-2 589	-2 865	-3 137	-3 015	-2 737	-2 872
Final Energy Consumption					1	1	63	78
Industry							63	78
Transport					1	1	1	
Residential								
Commerce & Public Services								
Others								
Electricity								
Power Generation	2 264	3 895	4 865	5 826	5 938	6 271	6 473	6 644
Thermal	1 079	2 224	3 290	4 279	4 202	4 412	4 673	4 850
Hydro	521	671	721	671	812	882	862	786
Nuclear								
Others	664	1 000	853	876	925	977	938	1 008
Final Energy Consumption	1 824	3 144	3 884	4 753	4 824	5 092	5 295	5 448
Industry	855	1 135	1 325	1 598	1 663	1 726	1 778	1 843
Transport		5	8	10	10	10	10	10
Residential	482	1 109	1 379	1 620	1 608	1 694	1 773	1 803
Commerce & Public Services	444	870	1 130	1 398	1 430	1 529	1 574	1 613
Others	43	25	42	128	115	133	160	178

Major Economic Indicators of the Republic of the Philippines

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	61.95	77.93	86.14	93.04	94.50	96.02	97.57	99.14
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	94.5	125.3	156.9	199.6	206.9	220.7	236.3	250.8
Real Term (Billions of 2010 Price and 2010 PPP)	243.4	322.8	404.0	514.0	532.8	568.4	608.5	645.8
Nominal (Billions of Current USD)	44.3	81.0	103.1	199.6	224.1	250.1	271.9	284.8
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	1 526	1 608	1 821	2 145	2 189	2 299	2 422	2 530
Real Term (2010 Price and 2010 PPP)	3 929	4 142	4 690	5 524	5 638	5 920	6 236	6 514
Nominal (Current USD)	715	1 040	1 197	2 145	2 372	2 605	2 787	2 873
Nominal GDP & its Components (Billions of Current PHP) *1								
Gross Domestic Product	1 077	3 581	5 678	9 003	9 708	10 561	11 542	12 643
Household Final Consumption Expenditure	767	2 585	4 259	6 442	7 133	7 838	8 464	9 156
General Government Final Consumption Expenditure	109	409	513	875	942	1 145	1 251	1 314
Gross Fixed Capital Formation	249	791	1 130	1 848	1 819	2 069	2 369	2 627
Stock Change	11	- 134	94	2	168	- 146	- 56	17
Exports of Goods and Services	296	1 839	2 620	3 134	3 110	3 255	3 233	3 623
Imports of Goods and Services	359	1 911	2 938	3 297	3 463	3 599	3 719	4 095
Real GDP & its Components (Billions of 2000 PHP) *1								
Gross Domestic Product	2 700	3 581	4 481	5 702	5 910	6 305	6 750	7 164
Household Final Consumption Expenditure	1 775	2 585	3 302	3 946	4 166	4 443	4 692	4 947
General Government Final Consumption Expenditure	348	409	417	570	582	672	706	718
Gross Fixed Capital Formation	609	791	883	1 182	1 160	1 285	1 441	1 539
Stock Change	49	- 134	62	1	57	- 120	46	29
Exports of Goods and Services	870	1 839	2 213	2 886	2 813	3 054	3 025	3 366
Imports of Goods and Services	934	1 911	2 395	2 884	2 868	3 028	3 161	3 435
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	15.2	14.0	13.3	11.6	11.5	11.1	10.5	10.0
Industry	35.4	34.5	32.7	32.6	32.0	32.2	32.9	33.4
Services, etc.	49.4	51.6	54.0	55.8	56.5	56.7	56.7	56.6
Manufacturing Production Index (2010=100) *2	22.5	66.2	96.1	100.0	102.1	109.3	115.3	122.7
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	8.12	39.78	41.25	51.50	48.31	52.10	56.70	62.10
Imports, c.i.f.	13.04	37.03	49.49	58.47	63.69	65.35	65.71	67.72
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-4.02	-8.21	-12.15	-16.86	-20.43	-18.93	-17.66	-15.85
Current Account	-2.70	-2.23	1.99	7.18	5.64	6.95	11.38	12.65
Overall Balance	-0.64	1.13	-0.51	21.04	11.12	13.79	9.29	2.67
Foreign Exchange Rate (PHP/USD) *1	24	44	55	45	43	42	42	44
PPP conversion factor, GDP (PHP/International Dollar) *1	7	14	15	18	18	18	18	18
Price Indices								
GDP Deflator (2000=100) *3	39.9	100.0	126.7	157.9	164.3	167.5	171.0	176.5
Producer Prices (2010=100) *2	N.A.	59.6	92.9	100.0	100.9	100.4	92.8	91.9
Consumer Price Index (2010=100) *2	28.6	63.7	78.7	100.0	104.6	108.0	111.2	115.8
Growth Rate (%) *3								
Real GDP	3.04	4.41	4.78	7.63	3.66	6.68	7.06	6.13
Population	2.58	2.16	1.83	1.52	1.57	1.60	1.62	1.61
Price								
Producer Prices	N.A.	12.47	9.08	-4.97	0.91	-0.54	-7.59	-0.89
Consumer Price Index	12.18	3.98	6.52	3.79	4.65	3.17	3.00	4.13

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: PHP means Philippine Peso, USD means United States Dollar

: PPP means Purchasing Power Parity

The Russian Federation

Energy Balance Table of the Russian Federation

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	189 743		528 661						
Import	15 802	104	1 481	2 216	1 123	9	29		91
Export	-98 422	-1 749	-224 551	-116 333	-3 843	- 520	-2 546		-41 013
International Marine Bunkers				-14 915					-8 735
International Aviation Bunkers				-5 662			-5 662		
Stock Changes	-1 419	- 107	-4 687	2	174	- 9			- 19
Total Primary Energy Supply	105 705	-1 752	300 904	-134 693	-2 545	- 520	-8 179		-49 677
Transfers									
Total Transformation Sector	-99 235	9 894	-294 830	277 871	40 918	26 485	13 950		76 297
Main Activity Producer	-45 093	-1 250		-1 586					
Autoproducers	-13 484	-1 713	- 615	-8 650					-2 050
Gas Processing									
Petroleum Refineries			-294 215	288 107	40 918	26 485	13 950		78 347
Coal Transformation	-40 658	12 858							
Other Transformation									
Loss & Own Use	- 752	-1 131	- 87	-14 259					-2 820
Discrepancy	-1 765	6	-5 876	5 431	- 82		- 108		2 988
Total Final Energy Consumption	3 953	7 017	111	134 349	38 290	25 965	5 663		26 788
Industry Sector	1 436	6 995	32	58 760		25 965			3 332
Iron and Steel		6 789		308					
Chemical & Petrochemical	101	7	28	44 591		25 965			125
Non-metallic Minerals	919	100	1	109					65
Other Industries	416	99	3	13 753					3 142
Transport Sector				60 381	38 290		5 663		15 648
Domestic Air Transport				5 674	11		5 663		
Road				51 268	37 924				12 959
Rail				1 596	68				1 486
Inland Waterways				698	24				460
Pipeline Transport				256	61				190
Non-specified Transport				890	203				554
Other Sector	2 518	21	78	15 207					7 808
Residential	1 391	21		8 207					2 023
Commerce and Public Services	1 043			2 491					1 826
Agriculture	82		13	3 776					3 715
Non-specified Others	2		65	733					244
Non-energy	175			45 026		25 965			
2013									
Indigenous Production	184 275		524 196						
Import	17 415	112	858	1 832	660	4	62		177
Export	-89 316	-1 745	-237 788	-117 531	-4 555	- 968	-1 899		-43 166
International Marine Bunkers				-5 079					-1 412
International Aviation Bunkers				-6 073			-6 073		
Stock Changes	-2 409		-1 454	- 584	30	- 4			- 248
Total Primary Energy Supply	109 966	-1 633	285 812	-127 435	-3 864	- 968	-7 910		-44 649
Transfers									
Total Transformation Sector	-107 132	10 080	-280 684	261 207	41 384	22 571	13 983		70 882
Main Activity Producer	-51 515	-1 223		-1 549					
Autoproducers	-17 699	-1 850	- 782	-8 296					-1 969
Gas Processing									
Petroleum Refineries			-279 903	271 052	41 384	22 571	13 983		72 851
Coal Transformation	-37 919	13 153							
Other Transformation									
Loss & Own Use	- 680	-1 160	-5 021	-12 371					-2 400
Discrepancy	2 267	6		1 913					- 57
Total Final Energy Consumption	4 421	7 293	107	123 314	37 520	21 603	6 073		23 776
Industry Sector	1 544	7 267	33	51 035		21 603			2 255
Iron and Steel		7 042		371					
Chemical & Petrochemical	157	8	20	38 730		21 603			69
Non-metallic Minerals	964	106	1	160					118
Other Industries	424	111	12	11 774					2 068
Transport Sector				59 485	37 520		6 073		15 107
Domestic Air Transport				6 087	14		6 073		
Road				48 876	37 185				11 400
Rail				1 685	76				1 567
Inland Waterways				854	5				612
Pipeline Transport				300	71				226
Non-specified Transport				1 684	169				1 302
Other Sector	2 876	26	73	12 794					6 414
Residential	956	26		7 056					1 751
Commerce and Public Services	1 865			2 174					1 637
Agriculture	53		11	2 848					2 755
Non-specified Others	1		62	716					271
Non-energy	180			39 005		21 603			

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					517 542	15 234	47 463	418	7 065			1306 126
5	152			807	7 061				2	570		27 236
-63 289	-3 726			-1 396	-155 745				-10	-1 262		-598 071
-6 180												-14 915
-334	190				2 815				16			-5 662
-69 799	-3 384			-588	371 673	15 234	47 463	418	7 073	-692		-3 381
												711 333
71 045	19 998	16 176		13 001	-223 719	-15 234	-47 463	-418	-4 371	91 683	132 157	-173 664
-1 586					-145 322	-15 101	-47 463	-418		85 944	59 611	-110 679
-5 814	-27	-758			-76 363	-133			-4 371	5 739	72 546	-27 044
78 446	20 026	16 934		13 001								-6 108
												-27 800
					-2 034							-2 034
-2 032	-94	-9 312			-16 043				-170	-27 376	-22 706	-82 525
2 635				-3	1 653				8	-161		-705
1 849	16 520	6 864		12 410	133 564				2 539	63 453	109 452	454 438
704	9 485	6 864		12 410	67 479				485	28 698	37 523	201 409
308					12 966				139	5 333	6 426	31 961
18	9 339	6 864		2 280	36 559				42	3 963	11 206	96 497
22	22				10 642				11	1 710	2 482	15 974
356	124			10 130	7 312				293	17 693	17 409	56 977
380	400				25 347					7 762		93 491
	386				49							5 674
42										4 296		51 317
214												5 892
3	2				25 298					1 975		698
121	12									1 491		27 530
764	6 635				40 738				2 054	26 993	71 929	2 381
33	6 150				37 817				986	12 549	52 547	159 539
240	425				2 059				906	13 053	17 041	113 519
2	59				862				161	1 369	2 332	36 593
489										23	9	8 594
	9 122			9 939	30 940							833
												76 142
					563 118	15 708	45 317	387	7 272			1340 274
11	87			832	6 734				1	405		27 358
-61 591	-3 444			-1 909	-174 062				-7	-1 581		-622 029
-3 667												-5 079
												-6 073
-150	-235			23	-742				-34			-5 223
-65 397	-3 593			-1 054	395 048	15 708	45 317	387	7 233	-1 176		729 228
67 366	18 536	14 494		11 992	-239 904	-15 708	-45 317	-387	-4 409	91 211	136 423	-194 621
-1 549					-160 959	-15 584	-45 317	-387		85 665	58 353	-132 516
-5 599	-31	-698			-77 111	-125			-4 409	5 547	78 070	-26 654
74 513	18 567	15 191		11 992								-8 851
												-24 766
					-1 834							-1 834
-1 723	-56	-8 192			-17 048				-205	-25 914	-21 324	-83 723
1 733		236			2 001					-129	-7 135	-1 078
1 980	14 887	6 538		10 938	140 097				2 619	63 992	107 963	449 805
798	8 904	6 538		10 938	73 023				418	28 956	39 458	201 735
371					14 957				91	4 983	6 446	33 889
17	8 743	6 538		1 760	38 812				39	4 115	10 708	92 590
28	14				11 794				10	1 478	1 977	16 490
382	146			9 178	7 460				278	18 380	20 328	58 766
474	312				29 097					7 788		96 370
	291				48							6 087
42										4 125		48 924
237												5 809
1	2				29 049					2 162		854
194	19									1 501		31 512
708	5 671				37 977				2 201	27 248	68 505	151 700
19	5 286				34 742				1 204	12 014	50 594	106 593
238	299				2 581				839	13 911	15 650	37 020
6	87				653				158	1 300	2 252	7 274
445					1					23	9	813
	8 472			8 930	35 192							74 377

Major Energy Indicators of the Russian Federation

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	879 175	619 391	651 874	688 706	722 023	740 053	729 228	711 333
Indigenous Production	1293 080	978 096	1203 403	1279 537	1299 551	1316 125	1340 274	1306 126
Import	120 445	32 881	23 181	22 888	30 561	27 668	27 358	27 236
Export	-532 994	-382 413	-562 460	-601 982	-600 659	-593 665	-622 029	-598 071
Final Energy Consumption	625 057	417 880	411 957	446 556	458 899	449 044	449 805	454 438
Industry	208 674	127 834	123 024	126 331	128 129	131 244	127 358	125 267
Transport	115 872	74 476	88 564	96 485	98 413	93 624	96 370	93 491
Residential	83 506	140 276	110 561	111 444	117 478	109 891	106 593	113 519
Commerce & Public Services	36 295	22 640	34 733	36 995	35 814	35 814	37 020	36 593
Others	180 710	52 655	55 074	75 301	79 066	78 471	82 464	85 569
Coal, Coal Products								
Primary Energy Supply	191 052	119 982	112 631	101 072	103 329	117 817	108 333	103 953
Indigenous Production	192 379	128 535	157 425	166 360	164 565	185 108	184 275	189 743
Import	35 088	15 373	13 644	15 310	19 205	18 265	17 527	15 906
Export	-40 423	-25 465	-55 763	-85 942	-80 572	-85 174	-91 061	-100 171
Transformation Sector	-127 229	-97 478	-96 130	-87 231	-95 770	-103 591	-97 052	-89 340
Power Generation	-104 932	-79 904	-76 856	-68 283	-75 067	-75 176	-72 286	-61 541
Final Energy Consumption	54 751	17 990	13 248	14 191	15 567	13 211	11 713	10 970
Industry	14 560	7 258	6 871	9 878	11 359	8 901	8 631	8 256
Transport								
Residential	11 891	8 966	2 836	1 526	1 504	1 538	982	1 413
Commerce & Public Services	20 601	388	2 681	2 442	2 347	2 529	1 865	1 043
Others	7 699	1 378	860	345	357	243	235	259
Crude Oil								
Primary Energy Supply	321 938	183 807	216 840	256 925	267 031	281 418	285 812	300 904
Indigenous Production	526 253	323 256	468 708	506 541	514 864	521 252	524 196	528 661
Import	18 592	5 921	2 438	1 105	468	840	858	1 481
Export	-222 907	-145 135	-253 848	-248 266	-248 813	-241 149	-237 788	-224 551
Transformation Sector	-307 420	-181 769	-213 893	-251 965	-262 076	-276 400	-280 684	-294 830
Petroleum Refineries	-307 420	-180 702	-213 127	-251 178	-261 284	-275 604	-279 903	-294 215
Petroleum Products								
Primary Energy Supply	-58 160	-57 695	-87 642	-117 845	-109 665	-113 633	-127 435	-134 693
Import	7 330	307	27	2 833	4 200	1 727	1 832	2 216
Export	-64 274	-53 301	-83 538	-111 998	-103 927	-106 611	-117 531	-116 333
Transformation Sector	209 140	157 737	192 118	239 711	238 237	243 803	261 207	277 871
Power Generation	-60 579	-22 171	-16 005	-10 327	-15 830	-15 834	-9 844	-10 236
Petroleum Refineries	269 719	179 907	208 855	250 038	254 067	259 638	271 052	288 107
Final Energy Consumption	144 780	89 720	91 826	109 590	116 588	117 664	123 314	134 349
Industry	24 455	16 957	10 265	11 038	10 119	11 258	12 030	13 734
Transport	72 883	42 295	47 558	56 303	59 346	58 695	59 485	60 381
Residential	8 771	4 355	6 331	4 718	5 768	6 291	7 056	8 207
Commerce & Public Services	421	988	844	1 663	2 507	2 172	2 174	2 491
Others	38 250	25 125	26 829	35 867	38 847	39 248	42 568	49 536
Natural Gas								
Primary Energy Supply	367 287	318 917	349 571	383 434	395 877	387 008	395 048	371 673
Indigenous Production	516 675	470 605	515 695	540 003	552 728	540 639	563 118	517 542
Import	56 422	10 523	6 200	3 497	6 551	6 605	6 734	7 061
Export	-201 662	-156 547	-167 375	-154 131	-165 269	-158 777	-174 062	-155 745
Transformation Sector	-227 684	-189 361	-205 778	-222 926	-238 538	-242 940	-239 904	-223 719
Power Generation	-227 684	-186 360	-203 725	-221 249	-236 810	-241 268	-238 070	-221 685
Final Energy Consumption	143 083	117 140	128 019	143 186	137 950	128 029	140 097	133 564
Industry	30 485	25 836	30 111	32 354	31 213	34 068	37 831	36 539
Transport	34 044	26 932	33 835	32 848	31 296	27 013	29 097	25 347
Residential	47 122	43 111	38 133	40 431	39 692	32 253	34 742	37 817
Commerce & Public Services	8 780	2 455	3 558	3 021	2 485	2 397	2 581	2 059
Others	22 652	18 806	22 382	34 532	33 264	32 298	35 846	31 802
Electricity								
Power Generation	93 065	75 600	82 131	89 435	90 861	92 205	91 211	91 683
Thermal	64 632	46 365	50 172	55 796	57 035	58 077	56 215	56 467
Hydro	14 269	14 222	15 016	14 482	14 414	14 389	15 708	15 234
Nuclear	10 174	11 241	12 852	14 656	14 873	15 268	14 836	15 545
Others	3 990	3 771	4 091	4 501	4 540	4 471	4 453	4 437
Final Energy Consumption	71 090	52 333	55 898	62 495	62 679	63 665	63 992	63 453
Industry	41 428	26 867	28 369	28 109	28 622	29 120	28 956	28 698
Transport	8 924	5 239	7 153	7 334	7 771	7 916	7 788	7 762
Residential	9 197	12 102	9 367	11 154	11 256	11 369	12 014	12 549
Commerce & Public Services	5 752	5 527	9 541	14 524	13 728	13 921	13 911	13 053
Others	5 789	2 598	1 468	1 373	1 301	1 339	1 323	1 391

Major Economic Indicators of the Russian Federation

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	148.29	146.60	143.52	142.85	142.96	143.20	143.51	143.82
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	1 414	952	1 281	1 525	1 590	1 646	1 667	1 679
Real Term (Billions of 2010 Price and 2010 PPP)	2 715	1 827	2 460	2 928	3 053	3 160	3 201	3 223
Nominal (Billions of Current USD)	1	260	764	1 525	2 032	2 170	2 231	2 031
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	9 534	6 491	8 928	10 675	11 122	11 493	11 616	11 672
Real Term (2010 Price and 2010 PPP)	18 308	12 464	17 143	20 498	21 355	22 069	22 304	22 413
Nominal (Current USD)	4	1 772	5 323	10 675	14 212	15 154	15 544	14 122
Nominal GDP & its Components (Billions of Current RUR) *1								
Gross Domestic Product	1	7 306	21 610	46 309	59 698	66 927	71 017	77 945
Household Final Consumption Expenditure		3 374	10 792	23 843	30 189	34 581	38 326	41 898
General Government Final Consumption Expenditure		1 103	3 646	8 671	10 873	12 503	13 998	14 589
Gross Fixed Capital Formation		1 232	3 837	10 014	11 936	13 522	14 357	16 651
Stock Change		134	502	458	1 846	1 832	650	- 215
Exports of Goods and Services		3 219	7 607	13 529	16 865	18 325	18 909	21 464
Imports of Goods and Services		1 756	4 648	9 790	12 011	13 787	14 921	16 296
Real GDP & its Components (Billions of 2000 RUR) *1								
Gross Domestic Product	53 088	35 729	48 110	57 257	59 698	61 798	62 589	63 031
Household Final Consumption Expenditure	13 546	12 540	19 999	28 289	30 189	32 410	33 816	34 310
General Government Final Consumption Expenditure	12 431	9 343	10 081	10 723	10 873	11 141	11 298	11 325
Gross Fixed Capital Formation	23 713	4 756	7 643	10 940	11 936	12 654	12 769	12 434
Stock Change	17 531	3 040	4 552	-4 811	1 846	1 671	517	- 209
Exports of Goods and Services	11 377	9 326	14 371	16 815	16 865	17 095	17 880	17 984
Imports of Goods and Services	7 537	2 829	6 489	9 984	12 011	13 174	13 651	12 617
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	4.3	4.5	3.8	3.1	3.4	3.3	3.4	3.4
Industry	40.0	31.9	32.3	29.0	29.2	29.3	29.1	28.9
Services, etc.	49.5	49.3	48.9	54.1	53.7	53.8	53.9	54.2
Industrial Production Index (2010=100) *2	N.A.	69.2	91.5	100.0	105.0	108.5	109.0	110.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	N.A.	105.57	243.80	400.63	522.01	529.26	523.28	497.76
Imports, c.i.f.	N.A.	44.66	125.43	248.63	323.83	335.45	341.34	308.03
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	57.09	116.19	147.00	196.85	191.66	181.94	189.74
Current Account	N.A.	45.38	84.39	67.45	97.27	71.28	34.80	58.43
Overall Balance	N.A.	22.00	69.95	45.88	21.29	40.39	-11.81	-113.65
Foreign Exchange Rate (RUR/USD) *1	1	28	28	30	29	31	32	38
PPP conversion factor, GDP (RUR/International Dollar) *1		7	13	16	17	18	20	21
Price Indices								
GDP Deflator (2000=100) *3	0.0	20.4	44.9	80.9	100.0	108.3	113.5	123.7
Producer Price Index (2010=100) *3	N.A.	27.3	61.7	100.0	117.7	125.7	129.9	137.8
Consumer Price Index (2010=100) *2	N.A.	30.8	61.4	100.0	108.4	113.9	121.6	131.2
Growth Rate (%)								
Real GDP (*3)	-3.00	10.00	6.38	4.50	4.26	3.52	1.28	0.71
Population (*3)	0.39	-0.42	-0.38	0.04	0.08	0.17	0.21	0.22
Price (*2)								
Producer Price Index	N.A.	46.53	20.57	12.22	17.71	6.76	3.34	6.08
Consumer Price Index	N.A.	20.78	12.68	6.86	8.43	5.07	6.76	7.83

Source

*1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note

: N.A. means "not available"

: RUR means Russian Ruble, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in the Russian Federation in 2014

Currency Exchange Rate

Currency	Local currency	
Exchange Rate	/ US Dollar	37.97
Local Currency Unit		Ruble

IMPORT PRICES	US		WHOLESALE PRICES (Ruble ⁵)		CONSUMER PRICES (Ruble ⁷)		
	Unit	Amount ¹	Unit	Amount	Unit	Amount	
Coal and Coal Products			Coal and Coal Products		Coal and Coal Products		
Coking Coal	USD/tonne	109.20	Coking Coal	Rub/tonne	4,225.00	Coking Coal	
Anthracite	USD/tonne	57.50	Anthracite	Rub/tonne	7,165.00	Anthracite	
Other bituminous coal	USD/tonne	180.10	Other bituminous coal			Other bituminous coal	
Sub-bituminous Coal			Sub-bituminous Coal			Sub-bituminous Coal	
Lignite	USD/tonne	21.10	Lignite	Rub/tonne	1,019.00	Lignite	
Peat	USD/tonne	248.40	Peat			Peat	
Patent Fuel			Patent Fuel			Patent Fuel ⁸	Rub/tonne 2,213.71
Coke	USD/tonne	405.20	Coke			Coke	
Coal Tar ²	USD/tonne	1,378.40	Coal Tar			Coal Tar	
BKB/PB	USD/tonne	5,091.90	BKB/PB			BKB/PB	
			Gas Works Gas			Gas Works Gas	
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products	
Crude Oil	USD/tonne	208.30	Crude Oil	Rub/tonne	9,832.00	Crude Oil	
Natural Gas Liquids	USD/tonne	173.00	Natural Gas Liquids			Natural Gas Liquids	
Ethane	USD/tonne	1,842.40	Ethane			Ethane	
LPG	USD/tonne	701.90	LPG ³	Rub/tonne	24,285.00	LPG	
Naphtha	USD/tonne	1,299.50	Naphtha			Naphtha	
Motor Gasoline	USD/tonne	622.30	Motor Gasoline	Rub/tonne	38,496.00	Motor Gasoline ⁹	Rub/liter 35.21
Aviation Gasoline	USD/tonne	1,826.20	Aviation Gasoline			Aviation Gasoline	
Gasoline Type Jet Fuel	USD/tonne	696.80	Gasoline Type Jet Fuel			Gasoline Type Jet Fuel	
Kerosene Type Jet Fuel	USD/tonne	745.30	Kerosene Type Jet Fuel	Rub/tonne	32,031.00	Kerosene Type Jet Fuel	
Other Kerosene	USD/tonne	3,338.50	Other Kerosene			Other Kerosene	
Gas/Diesel Oil	USD/tonne	638.70	Gas/Diesel Oil	Rub/tonne	36,622.00	Gas/Diesel Oil	Rub/liter 34.44
Fuel Oil ³	USD/tonne	884.90	Fuel Oil	Rub/tonne	11,462.00	Fuel Oil	
White Spirit SBP	USD/tonne	1,622.40	White Spirit SBP			White Spirit SBP	
Lubricants	USD/tonne	2,296.20	Lubricants	Rub/tonne	61,600.00	Lubricants	
Bitumen	USD/tonne	239.70	Bitumen ⁶	Rub/tonne	12,546.00	Bitumen	
Paraffin Waxes ⁴	USD/tonne	3,117.50	Paraffin Waxes			Paraffin Waxes	
Petroleum Coke	USD/tonne	227.80	Petroleum Coke			Petroleum Coke	
Natural Gas			Natural Gas			Natural Gas	
Natural Gas	USD/Mm ³	26,064.70	Natural Gas	Rub/1000 m ³	4,666.00	Natural Gas	Rub/m ³ 5.16
Liquefied Natural Gas	1000 m ³		Liquefied Natural Gas			Liquefied Natural Gas	Rub/m ³ 77.96
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas	Rub/50 liter 651.44
Electricity			Electricity			Electricity	
Electricity	USD/MWh	49.10	Electricity	Rub/MWh	2,103.00	Industrial	
						Commercial	
						Residential ¹⁰	Rub/100 kWh 314.95
						Others ¹¹	Rub/100 kWh 226.63
Other Energy Products			Other Energy Products			Other Energy Products	
Charcoal	USD/tonne	946.20					
Wood pellets	USD/tonne	1,093.10					

Notes:

¹ The data on import prices are from Customs of Russia. The data comprise customs statistics on trade between Russia, Belarus and Kazakhstan

² Wood tar

³ fuel oil for other purposes, a sulfur content of no more than 1 w.%, not containing biodiesel

⁴ Paraffin containing oils less than 0.75% wt%

⁵ Acquisition cost for industrial enterprises at the end of the period

⁶ Liquid construction bitumen

⁷ At the end of the period

⁸ All types of coal

⁹ AN-95 (Octane: 95 RON) and higher

¹⁰ Household in dwellings which are not furnished with kitchen electric ranges

¹¹ Household in dwellings which are furnished with kitchen electric ranges

Singapore

Energy Balance Table of Singapore

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production									
Import	389	7	42 394	109 330	14 791	8 914	2 042	7	17 171
Export			- 584	-85 113	-25 260	- 450	-5 052	- 187	-22 638
International Marine Bunkers				-40 824					-1 358
International Aviation Bunkers				-7 214	- 2		-7 212		
Stock Changes			- 156	- 102	- 1				- 19
Total Primary Energy Supply	389	7	41 653	-23 924	-10 472	8 464	-10 222	- 180	-6 843
Transfers			7 413	-7 412		-2 596			-2 498
Total Transformation Sector	- 229		-49 066	47 175	11 384	2 330	10 222	180	10 966
Main Activity Producer	- 229			- 29					- 2
Autoproducers				- 229					
Gas Processing									
Petroleum Refineries			-49 066	47 433	11 384	2 330	10 222	180	10 968
Coal Transformation									
Other Transformation									
Loss & Own Use				-1 827					
Discrepancy				-2 098		-2 099			
Total Final Energy Consumption	160	7		11 914	912	6 100			1 625
Industry Sector	160	7		2 864					273
Iron and Steel									
Chemical & Petrochemical				2 414					
Non-metallic Minerals									
Other Industries	160	7		451					273
Transport Sector				2 263	912				1 352
Domestic Air Transport									
Road				2 189	912				1 277
Rail									
Inland Waterways				74					74
Pipeline Transport									
Non-specified Transport									
Other Sector				108					
Residential				28					
Commerce and Public Services				80					
Agriculture									
Non-specified Others									
Non-energy				6 677		6 100			
2013									
Indigenous Production									
Import	259	7	45 668	103 436	13 910	7 635	1 674	17	14 390
Export			- 566	-83 761	-23 525	- 460	-5 018	- 336	-21 926
International Marine Bunkers				-41 083					-1 423
International Aviation Bunkers				-7 166	- 1		-7 165		
Stock Changes			- 372	373	- 64				471
Total Primary Energy Supply	259	7	44 730	-28 201	-9 679	7 175	-10 510	- 319	-8 489
Transfers			7 384	-7 384		-2 586			-2 488
Total Transformation Sector	- 134		-52 114	50 242	10 601	1 992	10 510	319	12 728
Main Activity Producer	- 134			- 455					- 26
Autoproducers				- 296					
Gas Processing									
Petroleum Refineries			-52 114	50 993	10 601	1 992	10 510	319	12 754
Coal Transformation									
Other Transformation									
Loss & Own Use				-1 948					
Discrepancy				- 981		- 981			
Total Final Energy Consumption	125	7		11 728	921	5 600			1 751
Industry Sector	125	7		3 003					334
Iron and Steel									
Chemical & Petrochemical				2 478					
Non-metallic Minerals				101					
Other Industries	125	7		525					334
Transport Sector				2 338	921				1 417
Domestic Air Transport									
Road				2 231	921				1 309
Rail									
Inland Waterways				108					108
Pipeline Transport									
Non-specified Transport									
Other Sector				119					
Residential				31					
Commerce and Public Services				88					
Agriculture									
Non-specified Others									
Non-energy				6 268		5 600			

Note: The above energy balance tables were obtained from IEA.

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
								3	646			650
65 190	10			1 204	10 317				44			162 482
-24 397	- 238			-6 890								-85 698
-39 466												-40 824
- 83					- 98							-7 214
1 244	- 228			-5 686	10 219			3	691			- 356
-2 319												29 040
												1
2 366	358	3 011		6 358	-8 967			- 3	- 691	4 247		-7 535
- 27					-8 065			- 3	- 691	3 814		-5 204
- 35		- 194			- 902					433		- 697
2 427	358	3 205		6 358								-1 634
- 441		-1 387			- 13					- 256		-2 096
				1	182							-1 916
851	130	1 624		673	1 421					3 991		17 493
851	21	1 624		95	1 252					1 596		5 880
789		1 624										2 414
61	21			95	1 252					1 596		3 466
					19					210		2 493
					19							2 208
										210		210
												74
	108				150					2 185		2 444
	28				59					595		683
	80				90					1 569		1 740
					1					20		21
				578								6 677
								1	643			644
64 543	10			1 257	9 874				27			159 272
-26 004	- 188			-6 304								-84 327
-39 660												-41 083
- 34												-7 166
-1 155	- 177			-5 047	9 874			1	670			27 340
-2 310												
4 755	322	3 201		5 816	-8 453			- 1	- 670	4 125		-7 005
- 429					-7 611			- 1	- 670	3 677		-5 194
- 44		- 252			- 842					448		- 690
5 228	322	3 452		5 816								-1 121
- 475		-1 473			- 14					- 260		-2 222
				1	35							- 945
814	145	1 728		769	1 442					3 866		17 168
814	26	1 728		101	1 262					1 528		5 926
750		1 728										2 478
				101								101
64	26			101	1 262					1 528		3 448
					20					204		2 562
					20							2 251
										204		204
												108
	119				159					2 134		2 412
	31				58					581		669
	88				101					1 530		1 719
					1					23		23
				668								6 268

Major Energy Indicators of Singapore

ktoe

	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	11 526	18 793	22 188	26 221	27 089	26 902	27 340	29 040
Indigenous Production	70	202	394	588	604	622	644	650
Import	61 400	82 657	114 364	157 761	166 779	158 586	159 272	162 482
Export	-36 878	-41 699	-63 542	-87 590	-93 465	-83 811	-84 327	-85 698
Final Energy Consumption	5 014	8 324	13 516	15 579	16 696	16 357	17 168	17 493
Industry	605	2 184	3 280	5 314	5 603	5 559	5 926	5 880
Transport	1 358	1 753	1 955	2 513	2 693	2 638	2 562	2 493
Residential	282	629	612	657	643	658	669	683
Commerce & Public Services	819	957	1 223	1 586	1 625	1 671	1 719	1 740
Others	1 950	2 800	6 446	5 509	6 132	5 831	6 291	6 699
Coal, Coal Products								
Primary Energy Supply	21		3	7	7	26	267	397
Indigenous Production								
Import	36		3	7	7	26	267	397
Export	-15							
Transformation Sector	-1					-2	-134	-229
Power Generation	-1					-2	-134	-229
Final Energy Consumption	21		2	7	7	23	133	168
Industry	21		2	7	7	23	133	168
Transport								
Residential								
Commerce & Public Services								
Others								
Crude Oil								
Primary Energy Supply	41 678	42 668	59 610	46 782	49 468	48 888	44 730	41 653
Indigenous Production								
Import	43 533	42 668	59 780	47 316	49 658	49 314	45 668	42 394
Export	-19		-169	-479	-481	-484	-566	-584
Transformation Sector	-41 678	-42 668	-59 610	-53 281	-56 327	-56 675	-52 114	-49 066
Petroleum Refineries	-41 678	-42 668	-59 610	-53 281	-56 327	-56 675	-52 114	-49 066
Petroleum Products								
Primary Energy Supply	-30 243	-25 321	-44 009	-29 172	-31 087	-31 414	-28 201	-23 924
Import	17 830	38 745	48 392	102 421	109 017	100 467	103 436	109 330
Export	-36 844	-41 699	-63 373	-87 111	-92 983	-83 327	-83 761	-85 113
Transformation Sector	36 898	35 014	57 032	48 423	51 502	52 938	50 242	47 175
Power Generation	-4 414	-6 597	-2 110	-2 208	-2 213	-1 604	-751	-258
Petroleum Refineries	41 382	41 731	59 260	50 631	53 715	54 542	50 993	47 433
Final Energy Consumption	3 809	5 859	9 901	10 699	11 690	11 277	11 728	11 914
Industry	111	1 268	1 622	2 787	2 998	2 939	3 003	2 864
Transport	1 342	1 728	1 852	2 309	2 473	2 416	2 338	2 263
Residential	43	93	38	33	31	31	31	28
Commerce & Public Services	401	46	63	95	87	87	88	80
Others	1 913	2 724	6 325	5 475	6 101	5 805	6 268	6 677
Natural Gas								
Primary Energy Supply		1 244	6 190	8 016	8 096	8 780	9 874	10 219
Indigenous Production								
Import		1 244	6 190	8 016	8 096	8 780	9 874	10 317
Export								
Transformation Sector	69	-1 127	-5 629	-6 628	-6 825	-7 505	-8 453	-8 967
Power Generation		-1 244	-5 747	-6 628	-6 825	-7 505	-8 453	-8 967
Final Energy Consumption	69	117	561	1 239	1 300	1 256	1 442	1 421
Industry			443	1 073	1 123	1 084	1 262	1 252
Transport				23	29	22	20	19
Residential	34	44	50	54	55	57	58	59
Commerce & Public Services				89	93	92	101	90
Others	36	73	68	1	1	1	1	1
Electricity								
Power Generation	1 351	2 723	3 286	3 901	3 958	4 040	4 125	4 247
Thermal	1 281	2 521	2 892	3 313	3 353	3 417	3 454	3 553
Hydro								
Nuclear								
Others	70	202	394	588	604	622	671	694
Final Energy Consumption	1 115	2 348	3 052	3 634	3 699	3 801	3 866	3 991
Industry	473	917	1 212	1 446	1 475	1 513	1 528	1 596
Transport	16	25	103	181	191	200	204	210
Residential	206	492	524	571	558	570	581	595
Commerce & Public Services	418	911	1 160	1 403	1 445	1 492	1 530	1 569
Others	1	3	53	33	30	26	23	20

Major Economic Indicators of Singapore

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	3.05	4.03	4.27	5.08	5.18	5.31	5.40	5.47
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	67.6	134.5	170.7	236.4	251.1	260.3	272.5	281.4
Real Term (Billions of 2010 Price and 2010 PPP)	102.4	203.8	258.7	358.2	380.5	394.4	412.9	426.3
Nominal (Billions of Current USD)	38.9	95.8	127.4	236.4	275.2	289.3	300.3	306.4
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	22 178	33 390	40 020	46 569	48 440	49 000	50 468	51 441
Real Term (2010 Price and 2010 PPP)	33 604	50 592	60 638	70 561	73 395	74 245	76 467	77 942
Nominal (Current USD)	12 766	23 793	29 870	46 569	53 095	54 452	55 618	56 009
Nominal GDP & its Components (Billions of Current SGD) *1								
Gross Domestic Product	71	165	212	322	346	361	376	388
Household Final Consumption Expenditure	32	69	83	115	124	133	138	142
General Government Final Consumption Expenditure	7	18	22	33	33	33	37	38
Gross Fixed Capital Formation	22	53	49	84	89	97	105	103
Stock Change	3	5	- 4	6	5	11	9	9
Exports of Goods and Services	125	313	479	642	696	706	723	746
Imports of Goods and Services	118	292	416	557	611	621	636	651
Real GDP & its Components (Billions of 2010 SGD) *1								
Gross Domestic Product	92	183	233	322	342	355	372	384
Household Final Consumption Expenditure	41	79	96	115	119	123	128	131
General Government Final Consumption Expenditure	8	21	24	33	32	32	36	36
Gross Fixed Capital Formation	24	57	53	84	89	96	97	95
Stock Change	6	5	- 5	6	6	11	10	9
Exports of Goods and Services	105	295	468	642	680	692	723	738
Imports of Goods and Services	95	275	407	557	583	601	624	633
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Industry	25.6	26.9	24.4	26.1	26.3	25.8	25.3	25.3
Services, etc.	66.6	66.3	69.2	68.3	68.4	67.8	68.1	69.6
Industrial Production Index (2010=100) *2	27.5	57.7	70.9	100.0	107.6	107.9	109.8	112.7
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	52.73	137.80	229.65	351.87	409.50	408.39	410.25	409.79
Imports, c.i.f.	60.77	134.55	200.05	310.79	365.77	379.72	373.02	366.25
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-1.63	16.22	47.74	62.84	71.55	67.49	74.50	76.36
Current Account	3.12	10.16	27.87	55.94	60.56	49.77	54.08	58.77
Overall Balance	7.05	4.56	11.99	37.67	16.13	26.99	18.01	9.16
Foreign Exchange Rate (SGD/USD) *1	2	2	2	1	1	1	1	1
PPP conversion factor, GDP (SGD/International Dollar) *1	1	1	1	1	1	1	1	1
Price Indices								
GDP Deflator (2010=100) *3	76.5	90.1	91.1	100.0	101.1	101.8	101.1	101.2
Wholesale Prices (2010=100) *2	91.2	85.9	97.9	100.0	108.4	109.0	106.0	102.5
Consumer Price Index (2010=100) *2	71.9	85.3	88.0	100.0	105.3	110.0	112.6	113.8
Growth Rate (%) *3								
Real GDP	10.04	8.90	7.49	15.24	6.21	3.67	4.68	3.26
Population	3.97	1.75	2.38	1.79	2.11	2.48	1.63	1.31
Price								
Wholesale Prices	1.73	10.09	9.65	4.74	8.44	0.47	-2.70	-3.29
Consumer Price Index	3.46	1.36	0.43	2.80	5.25	4.53	2.38	1.01

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: SGD means Singapore Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Chinese Taipei

Energy Balance Table of Chinese Taipei

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production			- 66						
Import	36 695	115	45 349	19 395		13 232			
Export		- 47		-16 941	-4 215		-1 012		-9 853
International Marine Bunkers				-1 173					- 109
International Aviation Bunkers				-2 400			-2 400		
Stock Changes	88		- 821	- 156	149	- 339		- 2	187
Total Primary Energy Supply	36 783	68	44 462	-1 275	-4 066	12 893	-3 412	- 2	-9 776
Transfers				- 767	- 93	1 266	- 10		94
Total Transformation Sector	-30 313	2 367	-44 575	41 825	11 842	3 508	3 742		14 168
Main Activity Producer	-19 027			-1 580					- 70
Autoproducers	-5 282	-1 054		- 576					
Gas Processing									
Petroleum Refineries			-44 647	43 981	11 842	3 508	3 742		14 239
Coal Transformation	-6 005	3 420							
Other Transformation			72						
Loss & Own Use		-1 248		-1 586	- 3				- 21
Discrepancy	-1 182	515	113	583	26		- 76	6	193
Total Final Energy Consumption	5 288	1 702		38 780	7 706	17 667	244	4	4 659
Industry Sector	5 288	1 702		2 220	6				105
Iron and Steel	164	1 386		235					7
Chemical & Petrochemical	3 483	211		786					62
Non-metallic Minerals	1 188			256					13
Other Industries	453	106		947	6				23
Transport Sector				11 797	7 669		89		3 903
Domestic Air Transport				89			89		
Road				11 538	7 669				3 798
Rail				25					25
Inland Waterways				145					81
Pipeline Transport									
Non-specified Transport									
Other Sector				2 400	31		155	4	651
Residential				1 091					
Commerce and Public Services				962	31		155	4	341
Agriculture				4					1
Non-specified Others				343					310
Non-energy	25	106		22 363		17 667			
2013									
Indigenous Production			9						
Import	36 782	116	44 038	17 572		12 519			37
Export		- 9		-17 156	-4 253		-1 264		-9 860
International Marine Bunkers				-1 224					- 119
International Aviation Bunkers				-2 200			-2 200		
Stock Changes	- 92		479	221	- 31	116		4	69
Total Primary Energy Supply	36 690	107	44 527	-2 787	-4 284	12 635	-3 464	4	-9 872
Transfers				- 930	- 97	1 076	- 19		57
Total Transformation Sector	-30 129	2 760	-44 572	42 632	11 951	3 600	3 870		14 266
Main Activity Producer	-18 807			-1 285					- 44
Autoproducers	-5 640	- 687		- 968					
Gas Processing									
Petroleum Refineries			-44 572	44 885	11 951	3 600	3 870		14 310
Coal Transformation	-5 683	3 447							
Other Transformation									
Loss & Own Use		-1 172		-1 662	- 2				- 61
Discrepancy	-1 074	197	45	1 480	78	7	- 165		214
Total Final Energy Consumption	5 488	1 892		38 732	7 645	17 317	222	4	4 603
Industry Sector	5 488	1 892		2 527	6				106
Iron and Steel	164	1 611		282					6
Chemical & Petrochemical	3 420	165		914					62
Non-metallic Minerals	1 452			280					15
Other Industries	451	116		1 051	5				23
Transport Sector				11 683	7 607		79		3 853
Domestic Air Transport				79			79		
Road				11 427	7 607				3 739
Rail				27					27
Inland Waterways				149					87
Pipeline Transport									
Non-specified Transport									
Other Sector				2 397	33		143	4	644
Residential				1 114					
Commerce and Public Services				953	33		143	4	342
Agriculture				3					1
Non-specified Others				326					302
Non-energy	32	116		22 125		17 317			

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					303	640	11 047	277	1 703			13 903
1 816	2 048			2 299	16 849							118 404
- 721	- 53			-1 086								-16 988
-1 064												-1 173
												-2 400
- 65	- 86				- 2							- 892
- 35	1 909			1 212	17 150	640	11 047	277	1 703			110 854
-1 798	- 148			- 78								- 767
4 043	1 297	1 366		1 858	-12 757	- 640	-11 047	- 176	-1 703	22 363		-34 655
-1 510					-12 694	- 640	-11 047	- 130		18 969		-26 148
- 379		- 7		- 191	- 68			- 46	-1 631	3 394		-5 262
					4							4
5 932	1 297	1 372		2 049								- 665
									- 72			-2 584
- 130	- 66	-1 366			- 335					-1 766		-4 936
172	8			254	-1 051					- 645		-1 666
2 253	3 001			3 247	3 007			101		19 952		68 830
1 784	313			12	1 657					11 616		22 484
207	9			12	283					1 368		3 436
543	182				379					3 228		8 083
236	7				203					494		2 141
798	116			4	793					6 526		8 824
65	71									114		11 911
												89
	71											11 538
										114		139
65												145
403	1 155				1 350			101		8 222		12 073
	1 091				738			101		3 885		5 815
367	64				612					4 094		5 667
3										164		168
33										80		423
	1 461			3 235								22 493
					305	812	10 851	212	1 691			13 880
1 456	1 383			2 177	15 875							114 383
- 602	- 107			-1 070								-17 165
-1 105												-1 224
												-2 200
- 57	122				- 3							606
- 309	1 398			1 107	16 177	812	10 851	212	1 691			108 280
-1 573	- 119			- 254								- 930
4 171	1 686	1 367		1 720	-12 006	- 740	-10 851	- 159	-1 590	21 694		-32 963
-1 242					-11 935	- 740	-10 851	- 131		18 397		-25 353
- 450		- 12		- 506	- 68			- 28	-1 590	3 296		-5 685
					- 4							- 4
5 863	1 686	1 379		2 226								314
												-2 236
- 170	- 63	-1 367			- 530					-1 754		-5 119
439	69			838	- 832	- 71		49	- 100	- 448		- 755
2 559	2 971			3 411	2 809			102		19 491		68 513
2 099	305			12	1 548					11 356		22 812
254	10			12	286					1 293		3 636
679	173				351					3 271		8 122
259	7				200					494		2 427
908	115				711					6 298		8 627
62	81									110		11 792
												79
	81											11 427
										110		137
62												149
397	1 176				1 261			102		8 025		11 784
	1 114				734			102		3 747		5 697
371	61				527					4 041		5 521
2										158		161
24										79		405
	1 409			3 399								22 273

Major Energy Indicators of Chinese Taipei

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	45 477	78 981	104 593	111 523	106 349	106 815	108 280	110 854
Indigenous Production	10 748	11 476	13 152	13 625	13 174	13 610	13 880	13 903
Import	39 723	78 713	111 997	117 600	109 452	112 169	114 383	118 404
Export	- 335	-2 294	-15 590	-15 841	-13 426	-16 442	-17 165	-16 988
Final Energy Consumption	29 302	53 558	62 206	68 090	65 813	66 023	68 513	68 830
Industry	15 667	29 393	23 738	22 327	22 489	22 100	22 664	22 353
Transport	6 735	12 165	12 657	11 854	12 025	11 789	11 792	11 911
Residential	2 904	4 802	6 140	5 719	5 813	5 713	5 697	5 815
Commerce & Public Services	2 259	3 999	4 882	5 490	5 430	5 429	5 521	5 667
Others	1 736	3 199	14 790	22 699	20 056	20 992	22 839	23 084
Coal, Coal Products								
Primary Energy Supply	10 562	27 493	39 183	39 186	36 992	36 073	36 797	36 851
Indigenous Production	278	49						
Import	11 389	27 911	39 715	39 106	37 081	35 799	36 898	36 811
Export				- 78	- 66	- 76	- 9	- 47
Transformation Sector			-30 217	-31 059	-28 123	-27 734	-27 369	-27 947
Power Generation	-5 145	-19 428	-28 585	-28 700	-25 940	-25 579	-25 133	-25 362
Final Energy Consumption	5 903	8 391	6 706	6 915	6 944	6 921	7 380	6 990
Industry	5 897	8 339	6 646	6 767	6 870	6 759	7 232	6 860
Transport								
Residential								
Commerce & Public Services								
Others	6	52	60	149	74	162	148	130
Crude Oil								
Primary Energy Supply	20 512	36 188	54 303	45 915	42 648	47 074	44 527	44 462
Indigenous Production	156	32	29	13	10	10	9	- 66
Import	21 105	36 876	54 576	46 059	41 908	46 603	44 038	45 349
Export								
Transformation Sector			-54 431	-46 059	-42 627	-47 354	-44 572	-44 575
Petroleum Refineries	-20 512	-36 188	-54 431	-46 059	-42 627	-47 354	-44 572	-44 647
Petroleum Products								
Primary Energy Supply	3 406	-1 093	-12 004	-1 035	-1 057	-5 335	-2 787	-1 275
Import	6 467	8 757	7 864	18 569	15 869	14 469	17 572	19 395
Export	- 335	-2 294	-15 590	-15 763	-13 360	-16 366	-17 156	-16 941
Transformation Sector			50 566	44 012	40 474	45 254	42 632	41 825
Power Generation	-4 825	-6 171	-3 882	-2 990	-2 555	-2 222	-2 254	-2 156
Petroleum Refineries	19 184	39 502	54 448	47 002	43 028	47 476	44 885	43 981
Final Energy Consumption	16 106	29 907	36 692	40 170	37 225	37 200	38 732	38 780
Industry	5 803	12 868	7 319	3 869	3 413	2 856	2 527	2 220
Transport	6 698	12 071	12 542	11 754	11 921	11 683	11 683	11 797
Residential	1 094	1 266	1 304	1 186	1 168	1 137	1 114	1 091
Commerce & Public Services	973	830	1 012	1 035	975	927	953	962
Others	1 538	2 872	14 516	22 325	19 747	20 597	22 454	22 710
Natural Gas								
Primary Energy Supply	1 728	5 596	10 476	14 082	14 866	15 755	16 177	17 150
Indigenous Production	1 045	598	487	237	264	354	305	303
Import	762	5 169	9 842	13 866	14 595	15 298	15 875	16 849
Export								
Transformation Sector			-8 113	-11 539	-11 293	-11 619	-12 006	-12 757
Power Generation	- 241	-3 393	-7 518	-10 472	-11 294	-11 623	-12 003	-12 761
Final Energy Consumption	926	1 490	1 986	2 124	2 378	2 661	2 809	3 007
Industry	392	682	862	1 014	1 218	1 441	1 548	1 657
Transport								
Residential	400	565	844	695	737	751	734	738
Commerce & Public Services	81	162	280	415	423	468	527	612
Others	53	81						
Electricity								
Power Generation	7 481	15 897	19 561	21 245	21 687	21 534	21 694	22 363
Thermal	6 777	15 135	17 430	15 244	16 363	15 560	15 622	16 271
Hydro	704	763	680	624		740	740	640
Nuclear				3 580	3 622	3 480	3 581	3 645
Others			1 451	1 797	1 702	1 753	1 750	1 807
Final Energy Consumption	6 367	13 770	16 734	18 777	19 178	19 138	19 491	19 952
Industry	3 575	7 504	8 911	10 677	10 989	11 043	11 356	11 616
Transport	37	94	115	100	103	106	110	114
Residential	1 410	2 971	3 905	3 735	3 820	3 722	3 747	3 885
Commerce & Public Services	1 206	3 008	3 589	4 040	4 032	4 034	4 041	4 094
Others	139	195	214	225	234	233	237	244

Major Economic Indicators of Chinese Taipei

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	20.40	22.28	22.77	23.16	23.22	23.32	23.37	23.43
Gross Domestic Product *4								
Real Term (Billions of 2010 Price and 2010 USD)	161.6	309.2	376.8	464.9	482.6	492.6	503.4	523.2
Real Term (Billions of 2010 Price and 2010 PPP)	315.2	603.	734.8	906.6	941.1	960.5	981.7	1 020.2
Nominal (Billions of Current USD)	165.3	313.8	368.1	464.9	472.5	504.1	508.5	507.5
GDP per Capita *4								
Real Term (2010 Price and 2010 USD)	7 923	13 881	16 549	20 073	20 781	21 127	21 538	22 326
Real Term (2010 Price and 2010 PPP)	15 449	27 068	32 271	39 143	40 522	41 197	42 000	43 536
Nominal (Current USD)	8 101	14 084	16 166	20 073	20 345	21 620	21 757	21 657
Nominal GDP & its Components (Billions of Current TWD) *2								
Gross Domestic Product	4 480	10 351	12 092	14 119	14 312	14 687	15 231	16 097
Private Final Consumption	2 341	5 706	6 784	7 498	7 799	8 035	8 248	8 581
Government Final Consumption	810	1 624	1 846	2 099	2 168	2 254	2 243	2 341
Gross Fixed Capital Formation	1 111	2 723	2 924	3 336	3 347	3 282	3 379	3 484
Changes in Inventories	31	93	34	189	36	22	- 19	28
Exports	2 020	5 373	7 330	10 014	10 420	10 345	10 580	11 258
Imports	1 833	5 167	6 825	9 015	9 457	9 252	9 200	9 596
Real GDP & its Components (Billions of 2011 TWD) *2								
Gross Domestic Product	4 793	9 170	11 175	13 788	14 312	14 608	14 929	15 515
Private Final Consumption	3 092	6 053	7 111	7 563	7 799	7 941	8 126	8 397
Government Final Consumption	1 245	1 879	1 977	2 126	2 168	2 214	2 197	2 275
Gross Fixed Capital Formation	1 563	3 412	3 410	3 386	3 347	3 259	3 432	3 493
Changes in Inventories	45	98	34	196	36	19	- 48	31
Exports	2 080	5 016	7 024	10 000	10 420	10 462	10 828	11 468
Imports	2 930	7 000	8 283	9 501	9 457	9 288	9 604	10 147
Sectional Shares of Real GDP (%) *2								
Agriculture	N.A.	N.A.	N.A.	1.7	1.7	1.6	1.6	1.6
Industry	N.A.	N.A.	N.A.	32.3	33.0	33.4	33.2	34.2
Services	N.A.	N.A.	N.A.	65.7	65.3	64.8	64.8	64.2
Industrial Production Index (2011=100) *1	N.A.	61.9	75.0	95.8	100.0	99.8	100.4	106.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	67.42	151.95	198.43	274.60	308.26	301.18	305.44	296.04
Imports, c.i.f.	54.79	140.73	182.61	251.24	281.44	270.47	269.90	273.22
Balance of Payments (Billions of Current USD) *3								
Balance on Goods and Services	N.A.	6.40	11.71	27.58	30.42	36.34	44.07	52.75
Current Account	N.A.	8.27	16.48	38.44	39.91	49.02	55.31	65.42
Overall Balance	N.A.	2.48	20.06	40.17	6.24	15.48	11.32	13.02
Foreign Exchange Rate (TWD/USD) *1	27	33	33	30	30	29	30	32
PPP conversion factor, GDP (TWD/International Dollar) *1	N.A.	N.A.	N.A.	16	N.A.	N.A.	N.A.	N.A.
Price Indices								
GDP Deflator (2011=100) *2	93.5	112.9	108.2	102.4	100.0	100.5	102.0	103.8
Wholesale Price Index (2011=100) *2	74.0	77.3	84.2	95.9	100.0	98.8	96.4	95.9
Consumer Price Index (2011=100) *2	69.6	89.8	92.9	98.6	100.0	101.9	102.7	104.0
Growth Rate (%) *2								
Real GDP	5.65	6.42	5.42	10.63	3.80	2.06	2.20	3.92
Population	1.21	0.83	0.36	0.18	0.27	0.39	0.25	0.26
Price								
Wholesale Price Index	-0.59	1.82	0.61	5.46	4.32	-1.16	-2.43	-0.57
Consumer Price Index	4.13	1.25	2.30	0.96	1.42	1.93	0.79	1.20

Source *1 : *Taiwan Statistical Data Book*, National Development Council (Chinese Taipei)

*2 : Statistics from Statistical Bureau, Chinese Taipei

*3 : *Financial Statistics Monthly*, Central Bank, Chinese Taipei

*4 : Calculated from *1 and *2 by the Coordinating Agency

*5 : PPP in 2010 is estimated by IEA data.

Note : N.A. means "not available"

: TWD means New Taiwan Dollar, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Chinese Taipei in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	30.18
Local Currency Unit		NTD

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal	USD/tonne	133.32	Coking Coal			Coking Coal		
Anthracite	USD/tonne	151.37	Anthracite			Anthracite		
Other bituminous coal	USD/tonne	91.72	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal	USD/tonne	69.10	Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke	USD/tonne	249.45	Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	USD/bbl	101.57	Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	USD/tonne	853.57	LPG	NTD/kg	28.46	LPG	NTD/kg	28.46
Naphtha	USD/tonne	906.00	Naphtha			Naphtha		
Motor Gasoline			Motor Gasoline	NTD/L	24.02	Motor Gasoline	NTD/L	26.67
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene			Other Kerosene	NTD/L	29.50	Other Kerosene	NTD/L	29.50
Gas/Diesel Oil			Gas/Diesel Oil	NTD/L	21.62	Gas/Diesel Oil	NTD/L	23.00
Fuel Oil	USD/kL	671.24	Fuel Oil	NTD/kL	20,010.00	Fuel Oil	NTD/kL	20,010.00
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen	USD/tonne		Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas	NTD/m ³	17.38	Natural Gas	NTD/m ³	18.56
Liquefied Natural Gas	USD/tonne	730.91	Liquefied Natural Gas	NTD/m ³	18.94	Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity			Electricity	NTD/ kWh	3.07	Industrial	NTD/ kWh	3.03
						Commercial	NTD/ kWh	4.27
						Residential	NTD/ kWh	2.99
						Others		
Other Energy Products			Other Energy Products			Other Energy Products		

Thailand

Energy Balance Table of Thailand

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	4 730		17 417						
Import	6 961	6 226	41 892	3 780	661		4		303
Export	- 18		- 645	-10 238	-1 063		-1 194	- 25	-3 756
International Marine Bunkers									
International Aviation Bunkers				-4 757			-4 757		
Stock Changes	-2 709	-2 152	3 850	- 158	- 590		- 150	- 872	870
Total Primary Energy Supply	8 965	4 075	62 514	-11 374	- 992		-6 097	- 897	-2 583
Transfers			-4 746	4 754					
Total Transformation Sector	-8 296	- 117	-51 694	43 692	7 434		6 415	906	20 921
Main Activity Producer	-8 296	- 117		- 390					- 18
Autoproducers				- 7					
Gas Processing									
Petroleum Refineries			-53 568	44 089	7 434		6 415	906	20 939
Coal Transformation									
Other Transformation			1 874						
Loss & Own Use				-1 447					
Discrepancy	3		-6 075	-1 216				2	-1 189
Total Final Energy Consumption	672	3 957	34 410	6 443	318	11	17 148	9	3 320
Industry Sector	672	3 957	-5 891	4 966					
Iron and Steel	12	88		373				2	193
Chemical & Petrochemical	4	172	-5 891	49				2	115
Non-metallic Minerals	592	3 348		286				2	218
Other Industries	64	350		4 258				3	2 794
Transport Sector				20 024	6 422		318		9 898
Domestic Air Transport				318			318		
Road				18 432	6 422				9 685
Rail				72					72
Inland Waterways				1 203					141
Pipeline Transport									
Non-specified Transport									
Other Sector				6 541	21			3	3 930
Residential				2 165				2	
Commerce and Public Services				416					
Agriculture				3 959	21				3 930
Non-specified Others									
Non-energy			5 891	2 880					
2013									
Indigenous Production	4 398		17 498						
Import	4 894	6 059	45 062	3 231	197		13		171
Export	- 1	- 5	-1 668	-14 013	-1 249		-1 268	- 16	-4 240
International Marine Bunkers									
International Aviation Bunkers				-4 835			-4 835		
Stock Changes									
Total Primary Energy Supply	9 290	6 054	60 892	-15 617	-1 052		-6 090	- 16	-4 069
Transfers			-4 196	3 925					
Total Transformation Sector	-7 056	- 882	-54 205	58 615	7 394		6 149	567	22 142
Main Activity Producer	-4 221			- 370					- 59
Autoproducers	-2 836	- 882		- 7					
Gas Processing									
Petroleum Refineries			-55 829	58 992	7 394		6 149	567	22 201
Coal Transformation									
Other Transformation			1 624						
Loss & Own Use				-1 135	- 151		226	- 539	- 45
Discrepancy	-1 190	- 653	3 681	-1 135	- 151		226	- 539	- 45
Total Final Energy Consumption	1 044	4 519	6 172	45 788	6 190	284	12	18 028	9
Industry Sector	1 044	4 519		4 972	87			9	3 228
Iron and Steel	56	25		430				2	186
Chemical & Petrochemical	20	332		-10 626				2	113
Non-metallic Minerals	864	3 205		337				2	225
Other Industries	103	957		3 791	87			4	2 704
Transport Sector				20 167	6 058		284		10 938
Domestic Air Transport				284			284		
Road				18 850	6 058				10 702
Rail				79					79
Inland Waterways				954					157
Pipeline Transport									
Non-specified Transport									
Other Sector				6 750	45			3	3 862
Residential				1 923				2	
Commerce and Public Services				915					
Agriculture				3 912	45				3 862
Non-specified Others									
Non-energy			6 172	13 898					

Note: Others excludes non-commercial biomass supply and consumption.

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					31 998	458		213	5 928			60 744
364	2 393			55	9 802					1 054		69 716
-3 762	- 12			- 427						- 137		-11 038
												-4 757
270	408			- 94					1			-1 168
-3 129	2 789			- 466	41 800	458		213	5 928	917		113 496
	4 754											8
5 180	1 717			1 120	-24 427	- 458		- 201	-5 928	15 087	5 933	-26 408
- 372					-22 576	- 458		- 200		12 559		-19 478
- 7					-1 804			- 1	-3 542	2 528	5 933	3 108
					- 48							- 48
5 558	1 717			1 120								-9 478
									-2 386			- 512
	-1 447				-9 164					-1 461		-12 071
- 27	- 1				2					- 83		-7 368
2 024	7 812			654	8 212			12		14 461	5 933	67 657
952	685				2 740					5 871		12 315
136	42				315					2 052		2 839
81	505			- 654	682					941		-4 043
40	26				765					594		5 586
694	112			654	1 083					2 283		8 037
1 062	2 325				2 826					9		22 859
	2 325				2 826							318
										9		21 258
1 062												81
												1 203
9	2 577				1			12		8 581	5 933	21 067
	2 163									3 366		5 532
2	414				1			12		5 099	5 933	11 461
7										36		3 995
										80		80
	2 225			654	2 646							11 416
263	2 296			290	36 897	482		112	4 701			64 088
-3 701	- 7			-3 531	11 105					1 081		71 432
										- 110		-15 797
												-4 835
-3 439	2 289			-3 241	48 002	482		112	4 701	971		114 888
	3 925											- 271
5 480	1 628			15 256	-27 985	- 482		- 112	-4 701	14 489	5 279	-17 042
- 311					-23 992	- 482		- 112		12 222		-16 955
- 7					-1 611				-3 167	2 267	5 279	- 957
					-2 382							-2 382
5 797	1 628			15 256								3 162
									-1 534			90
					-20 817					-1 468		-22 285
- 287	-1 268			930	8 729					193	-5 279	4 346
1 754	6 574			12 945	7 928					14 185		79 636
952	695				2 653					5 830		19 018
136	106				282					2 050		2 844
81	2 122			-12 945	609					923		-8 742
40	70				746					586		5 737
694	302				1 016					2 271		8 138
797	2 090				2 734					14		22 916
	2 090				2 734							284
										14		21 584
797												93
												954
4	2 837				1					8 341		15 092
	1 921									3 250		5 173
1	914				1					4 937		5 853
3	2									30		3 942
										123		123
	953			12 945	2 540							22 611

Major Energy Indicators of Thailand

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	27 918	60 372	78 337	106 316	107 079	111 011	114 888	113 496
Indigenous Production	11 854	28 559	34 323	57 473	58 743	62 284	64 088	60 744
Import	18 968	40 086	57 234	65 621	65 013	70 521	71 432	69 716
Export	- 791	-5 450	-9 024	-12 165	-11 183	-16 403	-15 797	-11 038
Final Energy Consumption	20 196	38 675	52 278	62 220	63 841	74 376	79 636	67 657
Industry	5 917	12 833	20 775	24 482	24 343	25 545	25 190	18 206
Transport	9 452	15 945	20 247	21 194	21 599	22 552	22 916	22 859
Residential	487	908	3 513	4 534	4 872	5 554	5 173	5 532
Commerce & Public Services	478	728	3 826	5 604	5 493	6 029	5 853	11 461
Others	3 863	8 260	3 917	6 406	7 535	14 696	20 504	9 599
Coal, Coal Products								
Primary Energy Supply	3 828	7 838	10 680	15 117	15 836	14 567	15 345	13 039
Indigenous Production	3 603	5 196	5 220	5 012	6 048	4 798	4 398	4 730
Import	220	2 655	5 461	10 768	10 499	11 750	10 953	13 188
Export				- 13	- 4	- 7	- 6	- 18
Transformation Sector			-4 725	-6 820	-8 644	-7 892	-7 938	-8 413
Power Generation	-2 472	-4 204	-4 725	-6 820	-8 644	-7 892	-7 938	-8 413
Final Energy Consumption	1 357	3 660	6 827	8 316	7 267	6 643	5 563	4 629
Industry	1 356	3 660	6 827	8 316	7 267	6 643	5 563	4 629
Transport								
Residential								
Commerce & Public Services								
Others								
Crude Oil								
Primary Energy Supply	12 220	39 400	52 006	59 437	59 086	60 349	60 892	62 514
Indigenous Production	2 112	5 159	12 348	18 295	17 910	17 497	17 498	17 417
Import	10 961	34 062	41 693	42 757	41 814	45 074	45 062	41 892
Export	- 767	- 514	-3 453	-1 589	-1 808	-2 423	-1 668	- 645
Transformation Sector			-46 494	-48 436	-47 060	-49 377	-54 205	-51 694
Petroleum Refineries	-11 806	-38 169	-46 494	-49 254	-47 947	-50 530	-55 829	-53 568
Petroleum Products								
Primary Energy Supply	5 678	-7 243	-9 149	-14 198	-13 096	-14 520	-15 617	-11 374
Import	7 731	1 179	1 980	163	2 091	2 908	3 231	3 780
Export	- 21	-4 919	-5 516	-10 423	-9 229	-13 808	-14 013	-10 238
Transformation Sector			34 166	39 422	38 656	50 901	58 615	43 692
Power Generation	-2 548	-2 344	-1 967	- 263	- 453	- 508	- 377	- 397
Petroleum Refineries	11 490	32 193	36 365	39 684	39 109	51 409	58 992	44 089
Final Energy Consumption	15 246	24 420	29 951	30 324	31 127	40 488	45 788	34 410
Industry	2 753	4 335	4 032	2 818	2 908	3 841	4 972	4 966
Transport	9 452	15 939	20 192	19 576	19 536	20 062	20 167	20 024
Residential	487	908	1 310	1 667	2 040	2 407	1 923	2 165
Commerce & Public Services	477	728	570	1 204	1 090	1 183	915	416
Others	2 077	2 510	3 848	5 060	5 553	12 995	17 810	6 838
Natural Gas								
Primary Energy Supply	5 710	19 620	22 788	42 496	40 784	45 658	48 002	41 800
Indigenous Production	5 710	17 685	15 068	31 189	31 093	35 757	36 897	31 998
Import		1 935	7 720	11 307	9 691	9 901	11 105	9 802
Export								
Transformation Sector			-21 185	-24 983	-23 064	-24 164	-27 985	-24 427
Power Generation	-4 216	-14 106	-21 185	-24 983	-23 064	-24 164	-25 603	-24 380
Final Energy Consumption	267	1 389	2 067	5 053	6 414	6 703	7 928	8 212
Industry	266	1 386	2 017	2 191	2 469	2 659	2 653	2 740
Transport		2	50	1 612	2 055	2 480	2 734	2 826
Residential								
Commerce & Public Services				1	2	1	1	1
Others				1 250	1 888	1 563	2 540	2 646
Electricity								
Power Generation	3 799	8 254	11 369	13 719	13 324	14 729	14 489	15 087
Thermal	3 370	7 735	9 684	11 561	10 520	11 651	10 729	10 887
Hydro	428	518	499	476	702	743	482	458
Nuclear								
Others	1		1 187	1 681	2 101	2 335	3 278	3 742
Final Energy Consumption	3 297	7 562	10 387	12 813	12 759	13 871	14 185	14 461
Industry	1 542	3 452	4 853	5 444	5 425	5 732	5 830	5 871
Transport		3	5	6	9	9	14	9
Residential			2 203	2 867	2 831	3 148	3 250	3 366
Commerce & Public Services			3 256	4 399	4 400	4 844	4 937	5 099
Others	1 755	4 107	70	97	94	138	153	115

Major Economic Indicators of Thailand

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	56.58	62.69	65.86	66.69	66.90	67.16	67.45	67.73
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	141.6	217.7	283.8	340.9	343.8	368.6	378.6	381.7
Real Term (Billions of 2010 Price and 2010 PPP)	368.7	566.8	738.8	887.6	895.	959.8	985.7	993.7
Nominal (Billions of Current USD)	85.3	126.4	189.3	340.9	370.6	397.3	419.9	404.3
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	2 503	3 473	4 308	5 112	5 138	5 488	5 613	5 636
Real Term (2010 Price and 2010 PPP)	6 516	9 042	11 217	13 309	13 378	14 290	14 613	14 673
Nominal (Current USD)	1 508	2 016	2 874	5 112	5 539	5 915	6 225	5 970
Nominal GDP & its Components (Billions of Current THB) *1								
Gross Domestic Product	2 184	5 070	7 614	10 802	11 300	12 349	12 901	13 132
Household Final Consumption Expenditure	1 235	2 744	4 252	5 630	5 978	6 518	6 719	6 878
General Government Final Consumption Expenditure	205	688	1 040	1 712	1 824	2 025	2 177	2 250
Gross Fixed Capital Formation	882	1 094	2 110	2 593	2 921	3 321	3 272	3 239
Stock Change	21	36	206	147	108	167	275	- 68
Exports of Goods and Services	745	3 287	5 208	7 146	7 943	8 562	8 741	9 098
Imports of Goods and Services	909	2 862	5 288	6 547	7 750	8 481	8 408	8 230
Real GDP & its Components (Billions of 1988 THB) *1								
Gross Domestic Product	3 418	5 254	6 849	8 228	8 297	8 896	9 137	9 212
Household Final Consumption Expenditure	1 899	2 855	3 859	4 280	4 355	4 632	4 671	4 700
General Government Final Consumption Expenditure	414	716	896	1 259	1 302	1 399	1 465	1 489
Gross Fixed Capital Formation	1 547	1 169	1 885	2 004	2 102	2 316	2 297	2 237
Stock Change	39	37	188	107	68	108	179	- 44
Exports of Goods and Services	1 178	3 305	4 717	6 036	6 590	6 925	7 117	7 120
Imports of Goods and Services	1 449	2 908	4 867	5 646	6 344	6 723	6 816	6 450
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	11.5	9.3	8.1	7.3	7.7	7.4	7.3	7.2
Industry	33.2	36.7	38.4	39.7	37.8	37.8	37.3	36.8
Services, etc.	56.8	54.1	53.6	53.0	54.6	55.2	56.2	56.8
Industrial Production Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	23.07	69.06	110.94	193.31	222.58	229.11	228.50	227.52
Imports, c.i.f.	33.05	61.92	118.18	182.92	228.79	249.12	250.41	227.75
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	3.39	29.67	16.99	6.69	6.73	24.56
Current Account	N.A.	N.A.	-7.65	9.95	8.93	-1.46	-3.78	13.41
Overall Balance	N.A.	N.A.	-0.68	35.08	0.59	11.50	-7.86	-0.76
Foreign Exchange Rate (THB/USD) *1	26	40	40	32	30	31	31	32
PPP conversion factor, GDP (THB/International Dollar) *1	9	11	11	12	12	12	12	12
Price Indices								
GDP Deflator (1988=100) *3	63.9	96.5	111.2	131.3	136.2	138.8	141.2	142.6
Producer Prices (2010=100) *2	42.5	60.6	76.5	100.0	105.4	106.5	106.8	107.0
Consumer Price Index (2010=100) *2	49.7	77.3	86.6	100.0	103.8	106.9	109.3	111.3
Growth Rate (%) *3								
Real GDP	11.17	4.46	4.19	7.51	0.83	7.23	2.70	0.82
Population	1.38	1.16	0.70	0.22	0.32	0.39	0.43	0.41
Price								
Producer Prices	3.45	3.92	9.13	9.41	5.45	1.02	0.31	0.14
Consumer Price Index	5.86	1.59	4.54	3.27	3.81	3.02	2.18	1.90

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: THB means Baht, USD means United States Dollar

: PPP means Purchasing Power Parity

Energy Prices in Thailand in 2014

Currency Exchange Rate

Currency Exchange Rate	Local currency / US Dollar	
Local Currency Unit		THB

IMPORT PRICES

WHOLESALE PRICES

CONSUMER PRICES

	Unit	Amount		Unit	Amount		Unit	Amount
Coal and Coal Products			Coal and Coal Products			Coal and Coal Products		
Coking Coal			Coking Coal			Coking Coal		
Anthracite	Baht/tonne	4,526.00	Anthracite			Anthracite		
Other bituminous coal			Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal	Baht/tonne	2,645.00	Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke	Baht/tonne	12,902.00	Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB	Baht/tonne	1,759.00	BKB/PB			BKB/PB		
			Gas Works Gas			Gas Works Gas		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	USD/bbl	102.25	Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	USD/bbl	75.39	LPG	Baht/kg	13.69	LPG (in household)	Baht/kg	22.35
Naphtha			Naphtha			Naphtha		
Motor Gasoline	USD/bbl	119.96	Motor Gasoline			Motor Gasoline (ULG 95)	Baht/L	46.73
Aviation Gasoline	USD/bbl	196.82	Aviation Gasoline			Aviation Gasoline		
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Other Kerosene			Other Kerosene	Baht/L	28.39	Other Kerosene	Baht/L	35.26
Gas/Diesel Oil	USD/bbl	121.18	Gas/Diesel Oil	Baht/L	27.34	Gas/Diesel Oil	Baht/L	29.69
Fuel Oil	USD/bbl	121.42	Fuel Oil	Baht/L	20.59	Fuel Oil	Baht/L	27.61
White Spirit SBP			White Spirit SBP			White Spirit SBP		
Lubricants			Lubricants			Lubricants		
Bitumen			Bitumen			Bitumen		
Paraffin Waxes			Paraffin Waxes			Paraffin Waxes		
Petroleum Coke			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Electricity	USD/GWh	1.51	Electricity			Industrial		
						Commercial		
						Residential		
						Others	Baht/GWh	3.93
Other Energy Products			Other Energy Products			Other Energy Products		
			UPG95	Baht/L	44.28	Gasohol 95 (E10)	Baht/L	38.85
			Gasohol 91 (E10)	Baht/L	35.95	Gasohol 95 (E20)	Baht/L	34.35
			Gasohol 95 (E10)	Baht/L	37.29	Gasohol 91 (E10)	Baht/L	36.55
			Gasohol 95 (E20)	Baht/L	32.41	Gasohol 95 (E85)	Baht/L	24.11

United States

Energy Balance Table of the United States

	Coal	Coal Products	Crude Oil & NGL	Total	Petroleum Products				
					Gasoline	Naphtha	Jet Fuel	Kerosene	Gas/Diesel Oil
2014									
Indigenous Production	485 031		549 939						
Import	6 315	48	407 372	64 111	29 402	1 277	4 911	1	11 984
Export	-56 604	- 592	-52 042	-143 490	-27 111		-8 126	- 478	-55 190
International Marine Bunkers				-14 521					-4 410
International Aviation Bunkers				-22 446			-22 446		
Stock Changes	-2 560	47	-7 031	-1 620	-1 185	- 44	157	- 32	- 430
Total Primary Energy Supply	432 182	- 497	898 238	-117 966	1 106	1 233	-25 504	- 509	-48 046
Transfers			-53 730	60 419	1 272		- 552	- 1	413
Total Transformation Sector	-412 798	6 347	-850 405	872 570	400 843	9 394	76 053	813	250 413
Main Activity Producer	-394 047	- 226		-7 076			- 74	- 141	-1 943
Autoproducers	-2 413	- 769		-2 352			- 1	- 1	- 57
Gas Processing	-1 934			3 751					
Petroleum Refineries			-850 405	878 248	400 843	9 394	76 127	955	252 414
Coal Transformation	-14 404	7 342							
Other Transformation									
Loss & Own Use	- 40	-1 476		-35 412	-1 610		- 36	- 1	-7 272
Discrepancy	-1 513		8 202	-3 165					306
Total Final Energy Consumption	17 831	4 374	2 304	776 446	401 610	10 627	49 960	301	195 815
Industry Sector	16 978	4 374		21 741	392				14 932
Iron and Steel	175	3 511		275					118
Chemical & Petrochemical	3 661			2 538					1 550
Non-metallic Minerals	5 930			1 631					486
Other Industries	7 212	863		17 296	392				12 778
Transport Sector				601 058	395 952		49 960		153 127
Domestic Air Transport				50 475	515		49 960		
Road				529 563	390 530				137 759
Rail				11 870					11 870
Inland Waterways				8 895	4 907				3 498
Pipeline Transport									
Non-specified Transport				255					
Other Sector	853			89 563	5 267			301	24 401
Residential				22 477				260	8 023
Commerce and Public Services	853			12 976	1 028			41	5 907
Agriculture				15 678	4 238				10 471
Non-specified Others				38 433					
Non-energy			2 304	102 517		10 627			3 355
2013									
Indigenous Production	477 186		470 718						
Import	4 970	86	438 536	68 339	32 439	1 392	4 396	45	11 252
Export	-67 555	- 524	-30 119	-141 165	-24 454		-7 767	- 305	-56 984
International Marine Bunkers				-15 970					-1 881
International Aviation Bunkers				-21 763			-21 763		
Stock Changes	18 410	- 168	3 521	- 12	448	34	168	- 17	- 232
Total Primary Energy Supply	433 011	- 605	882 656	-110 570	8 433	1 426	-24 965	- 277	-47 845
Transfers			-54 962	62 900	1 800		- 454	20	220
Total Transformation Sector	-413 982	6 645	-828 651	852 574	389 750	11 007	73 886	456	241 721
Main Activity Producer	-395 054	- 172		-6 002			- 84	- 58	-1 310
Autoproducers	-2 578	- 781		-2 536					- 37
Gas Processing	-1 817			3 653					
Petroleum Refineries			-828 651	857 459	389 750	11 007	73 970	514	243 067
Coal Transformation	-14 533	7 598							
Other Transformation									
Loss & Own Use	- 191	-1 521		-34 361	-1 496		- 27		-6 471
Discrepancy	- 938	- 1	3 405	-3 786					- 50
Total Final Energy Consumption	17 900	4 517	2 449	766 756	398 487	12 433	48 440	199	187 574
Industry Sector	17 131	4 517		23 116	370				13 263
Iron and Steel	211	3 609		381					106
Chemical & Petrochemical	3 915			43 764					1 372
Non-metallic Minerals	5 600			3 275					425
Other Industries	7 406	909		3 995	370	-12 433			11 360
Transport Sector				588 423	392 761		48 440		145 195
Domestic Air Transport				48 964	523		48 440		
Road				518 390	387 444				129 804
Rail				12 157					12 157
Inland Waterways				8 658	4 794				3 234
Pipeline Transport									
Non-specified Transport				255					
Other Sector	768			88 767	5 356			199	25 400
Residential				21 501				172	8 889
Commerce and Public Services	768			12 565	1 106			27	6 546
Agriculture				16 038	4 251				9 965
Non-specified Others				38 663					
Non-energy			2 449	105 113		12 433			3 717

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
					602 299	24 211	216 450	29 164	106 064			2013 158
11 228				5 308	62 255				1 344	5 720		547 164
-20 098				-32 486	-34 672				-2 418	-1 144		-290 961
-10 111												-14 521
												-22 446
565	- 537		- 4	- 110	- 5 881				- 193			-17 238
-18 417	- 537		- 4	-27 288	624 001	24 211	216 450	29 164	104 797	4 576		2215 156
37	33 217		27 061	-1 029								6 688
20 607	12 754	15 728	124	85 843	-210 693	-24 211	-216 450	-26 686	-57 575	373 172	10 237	-536 492
-2 181				-2 737	-190 103	-24 097	-216 450	-26 090	-15 881	358 322	10 237	-505 411
- 83		-1 929		- 281	-16 250	- 115		- 596	-7 064	14 850		-14 708
				3 751								1 817
22 871	12 754	17 657	124	85 110								27 842
												-7 062
									-34 630			-38 970
- 263	- 207	-14 129	- 8	-11 887	-55 998				- 223	-51 998	-4 643	-149 791
- 24				-3 446	-2 104				262			1 682
1 940	45 227	1 599	27 173	42 193	355 206			2 478	47 261	325 750	5 594	1537 244
808	3 581			2 027	120 829				29 712	70 609	4 420	268 663
62	95				9 232				2	3 986	162	17 342
232	756				41 089				295	9 549	2 709	59 840
28	476			642	7 582				431	2 741	3	18 319
486	2 255			1 385	63 619				28 985	54 333	1 546	173 854
490	1 529				20 379					654		622 091
	1 529			- 255	823					76		50 475
										578		530 462
490					19 556							12 448
				255								8 895
												19 556
												255
642	20 519			38 433	199 358			2 478	17 550	254 487	1 174	565 463
	14 193				118 695			457	14 180	121 860		277 668
635	5 365				79 393			2 021	2 010	116 094	1 174	214 521
8	961				1 270				1 360	2 380		20 687
				38 433						14 153		52 586
	19 598	1 599	27 173	40 166	14 640							119 461
					563 865	24 950	214 214	27 077	101 666			1879 677
13 563				5 252	66 714				2 922	6 051		587 618
-19 597				-32 057	-36 046				-2 616	- 976		-279 001
-14 088												-15 970
												-21 763
- 621	342		8	- 143	11 852				117			33 721
-20 743	342		8	-26 948	606 385	24 950	214 214	27 077	102 089	5 074		2184 281
235	34 780		24 964	1 334								7 938
23 184	11 686	15 941	171	84 772	-211 124	-24 950	-214 214	-24 693	-56 038	370 348	10 830	-533 254
-1 771				-2 780	-190 402	-24 646	-214 214	-24 086	-14 460	355 041	10 830	-503 165
- 64		-1 952		- 483	-16 476	- 304		- 607	-6 997	15 307		-14 972
				3 653								1 837
25 019	11 686	17 893	171	84 381								28 808
												-6 935
									-34 580			-38 826
- 362	- 111	-14 088	- 11	-11 796	-55 437				- 205	-51 412	-4 961	-148 088
- 11				-3 726	- 170				390			-1 100
2 303	46 698	1 853	25 133	43 635	339 654			2 385	46 237	324 011	5 868	1509 777
1 040	6 419			2 025	115 486				29 346	72 798	4 637	267 031
93	182				8 681				2	4 034	170	17 088
264	42 128				38 411				340	9 597	2 841	98 869
28	798			2 025	7 303				414	2 653	3	19 249
655	4 043				61 091				28 591	56 513	1 622	160 125
630	1 397				20 097					622		609 142
	1 397			- 255	698					52		48 964
										570		519 140
630					19 399							12 727
				255								8 658
												19 399
												255
634	18 515			38 663	190 124			2 385	16 891	250 591	1 231	550 757
	12 441				113 820			413	13 933	119 629		269 296
623	4 263				75 033			1 972	1 558	115 102	1 231	208 230
11	1 812				1 271				1 400	2 554		21 263
				38 663						13 306		51 969
	20 366	1 853	25 133	41 610	13 947							121 509

Major Energy Indicators of the United States

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	1910 077	2275 541	2320 415	2214 373	2187 837	2157 095	2184 281	2215 156
Indigenous Production	1647 585	1669 479	1632 643	1725 262	1785 778	1819 957	1879 677	2013 158
Import	452 497	701 926	841 766	724 022	700 623	638 425	587 618	547 164
Export	-110 605	-95 644	-105 777	-193 225	-246 795	-267 882	-279 001	-290 961
Final Energy Consumption	1293 511	1546 340	1562 561	1510 732	1496 794	1471 888	1509 777	1537 244
Industry	283 738	332 256	276 101	270 166	272 125	266 392	267 031	268 663
Transport	487 567	588 361	622 761	593 892	587 842	606 633	609 142	622 091
Residential	209 877	264 044	271 659	270 105	264 350	248 265	269 296	277 668
Commerce & Public Services	159 267	193 044	200 376	207 306	206 535	198 365	208 230	214 521
Others	153 063	168 636	191 665	169 262	165 942	152 233	156 077	154 301
Coal, Coal Products								
Primary Energy Supply	460 199	533 627	558 412	502 635	478 996	425 244	432 405	431 685
Indigenous Production	542 320	536 856	565 282	531 840	536 361	495 485	477 186	485 031
Import	2 119	10 014	19 598	11 440	8 232	5 818	5 056	6 362
Export	-67 987	-38 315	-29 460	-48 240	-63 380	-73 756	-68 079	-57 196
Transformation Sector	-409 762	-514 397	-509 567	-473 197	-446 394	-393 176	-407 337	-406 451
Power Generation	-396 143	-501 215	-504 044	-464 682	-437 385	-384 070	-398 585	-397 455
Final Energy Consumption	55 657	32 576	31 336	26 854	24 578	21 935	22 417	22 205
Industry	46 020	30 359	28 803	25 345	23 278	21 034	21 649	21 352
Transport								
Residential	1 487	1 327						
Commerce & Public Services	2 412	890	2 103	1 509	1 299	902	768	853
Others	5 739		430					
Crude Oil								
Primary Energy Supply	783 541	887 053	911 615	875 560	884 230	875 270	882 656	898 238
Indigenous Production	432 545	365 607	322 546	346 692	360 705	411 439	470 718	549 939
Import	351 037	524 256	599 496	539 779	531 316	484 353	438 536	407 372
Export	-2 100	-6 151	-4 911	-9 302	-12 810	-16 706	-30 119	-52 042
Transformation Sector	-755 278	-836 661	-852 420	-818 683	-827 181	-824 579	-828 651	-850 405
Petroleum Refineries	-755 278	-836 661	-852 420	-818 683	-827 181	-824 579	-828 651	-850 405
Petroleum Products								
Primary Energy Supply	-26 698	-15 891	17 519	-72 632	-102 440	-96 076	-110 570	-117 966
Import	62 246	75 712	117 738	81 929	75 534	69 115	68 339	64 111
Export	-36 778	-44 344	-53 014	-106 565	-132 016	-136 829	-141 165	-143 490
Transformation Sector	726 218	817 154	835 879	853 789	867 941	839 754	852 574	872 570
Power Generation	-27 246	-29 565	-33 289	-10 843	-8 775	-7 527	-8 538	-9 428
Petroleum Refineries	753 819	846 719	869 168	864 632	876 715	843 915	857 459	878 248
Final Energy Consumption	683 293	796 710	850 229	779 582	769 591	764 202	766 756	776 446
Industry	44 253	25 652	35 079	30 049	30 254	21 442	23 116	21 741
Transport	471 802	572 803	608 066	577 007	570 631	588 379	588 423	601 058
Residential	26 368	31 906	28 783	20 956	20 956	22 624	21 501	22 477
Commerce & Public Services	21 307	16 650	16 681	15 245	14 136	13 103	12 565	12 976
Others	119 563	149 699	161 620	136 326	135 076	118 654	121 151	118 195
Natural Gas								
Primary Energy Supply	438 233	547 580	507 071	555 919	568 602	594 736	606 385	624 001
Indigenous Production	418 088	446 821	421 439	494 647	530 907	558 216	563 865	602 299
Import	35 160	87 756	100 845	86 893	80 595	72 694	66 714	62 255
Export	-1 975	-5 572	-16 689	-26 145	-34 611	-37 082	-36 046	-34 672
Transformation Sector	-89 736	-136 877	-154 612	-185 033	-189 723	-227 342	-211 124	-210 693
Power Generation	-89 736	-136 877	-154 612	-185 033	-189 723	-227 342	-206 878	-206 353
Final Energy Consumption	302 990	359 886	309 003	321 542	322 810	311 791	339 654	355 206
Industry	109 886	137 881	100 532	109 857	111 331	117 002	115 486	120 829
Transport	15 410	15 178	14 160	16 302	16 633	17 665	20 097	20 379
Residential	102 556	116 229	112 617	110 931	109 232	96 439	113 820	118 695
Commerce & Public Services	61 252	73 174	68 854	71 173	72 025	65 814	75 033	79 393
Others	13 886	17 424	12 840	13 279	13 589	14 871	15 218	15 910
Electricity								
Power Generation	276 801	348 529	369 316	376 545	374 054	368 997	370 348	373 172
Thermal	158 598	232 758	249 924	250 783	242 100	239 267	236 478	235 945
Hydro	24 851	24 079	25 622	24 625	29 632	25 653	24 950	24 211
Nuclear	52 597	68 604	69 722	72 148	70 641	68 897	70 692	71 430
Others	40 756	23 088	24 048	28 604	31 290	34 783	37 825	41 151
Final Energy Consumption	226 487	300 954	320 912	325 796	325 030	320 503	324 011	325 750
Industry	74 523	98 222	77 241	71 073	73 234	72 748	72 798	70 609
Transport	355	380	535	552	564	588	622	654
Residential	79 466	102 550	116 894	124 331	122 361	118 215	119 629	121 860
Commerce & Public Services	72 144	99 786	109 657	114 397	114 213	113 851	115 102	116 094
Others		15	16 586	15 442	14 659	15 100	15 860	16 533

Major Economic Indicators of the United States

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	249.62	282.16	295.52	309.35	311.72	314.10	316.43	318.91
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	9 064	12 713	14 408	14 964	15 204	15 542	15 774	16 157
Real Term (Billions of 2010 Price and 2010 PPP)	9 064	12 713	14 408	14 964	15 204	15 542	15 774	16 157
Nominal (Billions of Current USD)	5 980	10 285	13 094	14 964	15 518	16 155	16 663	17 348
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	36 312	45 056	48 756	48 374	48 775	49 481	49 849	50 662
Real Term (2010 Price and 2010 PPP)	36 312	45 056	48 756	48 374	48 775	49 481	49 849	50 662
Nominal (Current USD)	23 954	36 450	44 308	48 374	49 782	51 433	52 660	54 398
Nominal GDP & its Components (Billions of Current USD) *1								
Gross Domestic Product	5 980	10 285	13 094	14 964	15 518	16 155	16 663	17 348
Household Final Consumption Expenditure	3 826	6 792	8 794	10 202	10 689	11 051	11 392	11 866
General Government Final Consumption Expenditure	948	1 444	1 980	2 522	2 531	2 544	2 522	2 556
Gross Fixed Capital Formation	1 269	2 369	2 981	2 691	2 836	3 064	3 186	3 379
Stock Change	15	55	60	62	42	62	72	77
Exports of Goods and Services	552	1 097	1 309	1 852	2 106	2 198	2 263	2 342
Imports of Goods and Services	630	1 473	2 030	2 365	2 686	2 764	2 772	2 872
Real GDP & its Components (Billions of 2005 USD) *1								
Gross Domestic Product	9 064	12 713	14 408	14 964	15 204	15 542	15 774	16 157
Household Final Consumption Expenditure	5 766	8 306	9 689	10 202	10 433	10 585	10 765	11 055
General Government Final Consumption Expenditure	1 836	2 062	2 310	2 522	2 455	2 434	2 373	2 362
Gross Fixed Capital Formation	1 658	2 869	3 249	2 753	2 832	3 028	3 109	3 241
Stock Change	19	70	68	62	40	58	65	72
Exports of Goods and Services	672	1 312	1 441	1 852	1 979	2 047	2 104	2 175
Imports of Goods and Services	763	1 837	2 290	2 365	2 494	2 550	2 577	2 676
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	N.A.	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Industry	N.A.	22.5	20.9	19.8	19.6	19.6	19.7	19.5
Services, etc.	N.A.	74.5	75.5	76.1	76.1	76.0	75.5	75.4
Industrial Production Index (2010=100) *2	68.3	101.7	105.5	100.0	103.0	106.0	108.0	112.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	393.59	781.92	901.08	1,278.50	1,482.51	1,545.70	1,579.59	1,620.53
Imports, c.i.f.	516.99	1,259.30	1,732.71	1,969.18	2,266.02	2,336.52	2,329.06	2,412.55
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-0.11	-0.45	-0.78	-0.65	-0.74	-0.74	-0.70	-0.74
Current Account	-0.08	-0.41	-0.75	-0.44	-0.46	-0.45	-0.38	-0.39
Overall Balance	-0.03	0.07	-0.05	0.00	0.07	0.00	0.02	-0.15
Foreign Exchange Rate (USD/USD) *1	1	1	1	1	1	1	1	1
PPP conversion factor, GDP (USD/International Dollar) *1	1	1	1	1	1	1	1	1
Price Indices								
GDP Deflator (2005=100) *3	66.0	80.9	90.9	100.0	102.1	103.9	105.6	107.4
Producer Prices Index (2010=100) *2	62.9	71.8	85.2	100.0	108.8	109.4	110.1	111.1
Consumer Price Index *1	59.9	79.0	89.6	100.0	103.2	105.3	106.8	108.6
Growth Rate (%) *3								
Real GDP	1.92	4.09	3.35	2.53	1.60	2.22	1.49	2.43
Population	1.14	1.12	0.93	0.84	0.77	0.76	0.74	0.78
Price								
Producer Prices Index	3.56	5.78	7.32	6.84	8.83	0.55	0.62	0.94
Consumer Price Index	5.40	3.38	3.39	1.64	3.16	2.07	1.46	1.62

Source *1 : World Development Indicators , World Bank

*2 : International Financial Statistics , International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note : N.A. means "not available"

: USD means United States Dollar

: PPP means Purchasing Power Parity

Viet Nam

Energy Balance Table of Viet Nam

	Coal	Coal Products	Crude Oil & NGL	Petroleum Products					Gas/Diesel Oil
				Total	Gasoline	Naphtha	Jet Fuel	Kerosene	
2014									
Indigenous Production	22,998	-	18,355	-	-	-	-	-	-
Import	1,734	-	-	10,593	2,557	-	1,246	30	4,194
Export	-4,069	-	-9,492	-1,167	-189	-	-440	-	-395
International Marine Bunkers	-	-	-	-	-	-	-	-	-
International Aviation Bunkers	-	-	-	-	-	-	-	-	-
Stock Changes	-706	-	-	26	21	-	-1	-3	10
Total Primary Energy Supply	19,957	-	8,863	9,453	2,389	-	804	27	3,808
Transfers	-	-	-255	278	-	-	-	-	-
Total Transformation Sector	-8,501	-	-8,608	5,861	2,318	-	100	-	2,893
Main Activity Producer	-8,501	-	-	-175	-	-	-	-	-56
Autoproducers	-	-	-	-	-	-	-	-	-
Gas Processing	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-8,608	6,036	2,318	-	100	-	2,950
Coal Transformation	-	-	-	-	-	-	-	-	-
Other Transformation	-	-	-	-	-	-	-	-	-
Loss & Own Use	-	-	-	-	-	-	-	-	-
Discrepancy	-0	-	0	0	-	-	-	-0	-0
Total Final Energy Consumption	11,456	-	-	15,592	4,707	-	904	27	6,702
Industry Sector	9,933	-	-	1,651	-	-	-	7	1,083
Iron and Steel	432	-	-	67	-	-	-	0	51
Chemical & Petrochemical	225	-	-	76	-	-	-	0	59
Non-metallic Minerals	5,417	-	-	101	-	-	-	1	56
Other Industries	3,858	-	-	1,407	-	-	-	6	917
Transport Sector	-	-	-	10,721	4,592	-	904	-	4,993
Domestic Air Transport	-	-	-	5,897	-	-	904	-	4,993
Road	-	-	-	4,592	4,592	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-
Inland Waterways	-	-	-	232	-	-	-	-	-
Pipeline Transport	-	-	-	-	-	-	-	-	-
Non-specified Transport	-	-	-	-	-	-	-	-	-
Other Sector	1,524	-	-	1,996	116	-	-	20	626
Residential	1,123	-	-	827	-	-	-	17	15
Commerce and Public Services	381	-	-	737	-	-	-	3	294
Agriculture	20	-	-	432	116	-	-	-	316
Non-specified Others	-	-	-	-	-	-	-	-	-
Non-energy	-	-	-	1,224	-	-	-	-	-
2013									
Indigenous Production	22,985	-	17,834	-	-	-	-	-	-
Import	1,272	-	-	9,178	2,439	-	1,236	26	3,220
Export	-7,169	-	-8,709	-1,306	-202	-	-318	-3	-457
International Marine Bunkers	-	-	-	-	-	-	-	-	-
International Aviation Bunkers	-	-	-	-	-	-	-	-	-
Stock Changes	151	-	-1,547	21	-33	-	2	19	26
Total Primary Energy Supply	17,239	-	7,578	7,892	2,205	-	920	41	2,789
Transfers	-	-	-318	318	-	-	-	-	-
Total Transformation Sector	-6,680	-	-7,260	6,761	2,641	-	77	-	3,488
Main Activity Producer	-6,680	-	-	-145	-	-	-	-	-37
Autoproducers	-	-	-	-	-	-	-	-	-
Gas Processing	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-7,260	6,906	2,641	-	77	-	3,525
Coal Transformation	-	-	-	-	-	-	-	-	-
Other Transformation	-	-	-	-	-	-	-	-	-
Loss & Own Use	-	-	-	-	-	-	-	-	-
Discrepancy	1	-	0	-3	-1	-	0	0	-2
Total Final Energy Consumption	10,559	-	-	14,969	4,845	-	997	41	6,275
Industry Sector	8,953	-	-	1,441	-	-	-	5	1,013
Iron and Steel	390	-	-	59	-	-	-	-	48
Chemical & Petrochemical	203	-	-	67	-	-	-	0	55
Non-metallic Minerals	-	-	-	89	-	-	-	0	52
Other Industries	8,361	-	-	1,226	-	-	-	5	858
Transport Sector	-	-	-	10,527	4,724	-	997	-	4,676
Domestic Air Transport	-	-	-	997	-	-	997	-	-
Road	-	-	-	9,400	4,724	-	-	-	4,676
Rail	-	-	-	-	-	-	-	-	-
Inland Waterways	-	-	-	131	-	-	-	-	-
Pipeline Transport	-	-	-	-	-	-	-	-	-
Non-specified Transport	-	-	-	-	-	-	-	-	-
Other Sector	1,606	-	-	1,995	121	-	-	36	587
Residential	1,190	-	-	867	-	-	-	30	34
Commerce and Public Services	395	-	-	679	-	-	-	6	226
Agriculture	21	-	-	449	121	-	-	-	326
Non-specified Others	-	-	-	-	-	-	-	-	-
Non-energy	-	-	-	1,005	-	-	-	-	-

Note: Others Excludes non-commercial biomass supply and consumption.

unit: ktoe

Fuel Oil	LPG	Refinery Gas	Ethane	Other Products	Gas	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
-	-	-	-	-	8,937	5,146	-	7	-	-	-	55,443
669	794	-	-	1,104	-	-	-	-	-	200	-	12,527
-121	-	-	-	-22	-	-	-	-	-	-76	-	-14,804
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
2	-2	-	-	-	-	-	-	-	-	-	-	-679
550	792	-	-	1,083	8,937	5,146	-	7	-	124	-	52,487
-	278	-	-	-	-	-	-	-	-	-	-	23
19	389	-	-	141	-7,478	-5,146	-	-7	-	12,317	-	-11,563
-118	-	-	-	-	-7,478	-5,146	-	-7	-	12,317	-	-8,991
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
137	389	-	-	141	-	-	-	-	-	-	-	-2,572
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	-	-	-	-0	-	-	-	-	-1,395	-	-1,395
-	-	-	-	-	-	-	-	-	-	-0	-	-0
569	1,459	-	-	1,224	1,458	-	-	-	-	11,045	-	39,552
337	224	-	-	-	1,458	-	-	-	-	5,950	-	18,992
12	5	-	-	-	-	-	-	-	-	427	-	926
13	3	-	-	-	1,458	-	-	-	-	377	-	2,137
21	24	-	-	-	-	-	-	-	-	1,262	-	6,780
291	192	-	-	-	-	-	-	-	-	3,884	-	9,149
232	-	-	-	-	-	-	-	-	-	-	-	10,721
-	-	-	-	-	-	-	-	-	-	-	-	5,897
-	-	-	-	-	-	-	-	-	-	-	-	4,592
-	-	-	-	-	-	-	-	-	-	-	-	-
232	-	-	-	-	-	-	-	-	-	-	-	232
-	-	-	-	-	-	-	-	-	-	-	-	-
-	1,235	-	-	-	-	-	-	-	-	5,095	-	8,615
-	795	-	-	-	-	-	-	-	-	3,930	-	5,880
-	440	-	-	-	-	-	-	-	-	1,003	-	2,121
-	-	-	-	-	-	-	-	-	-	163	-	615
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1,224	-	-	-	-	-	-	-	1,224
-	-	-	-	-	8,522	4,468	-	5	-	-	-	53,815
652	760	-	-	844	-	-	-	-	-	315	-	10,764
-248	-65	-	-	-13	-	-	-	-	-	-115	-	-17,299
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-1,375
411	695	-	-	832	8,522	4,468	-	5	-	200	-	45,905
-	318	-	-	-	-	-	-	-	-	-	-	0
-76	458	-	-	173	-7,062	-4,468	-	-5	-	10,950	-	-7,764
-108	-	-	-	-	-7,062	-4,468	-	-5	-	10,950	-	-7,410
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
32	458	-	-	173	-	-	-	-	-	-	-	-354
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-1	0	-	-	-0	-0	-	-	-	-	-1,163	-	-1,163
-	-	-	-	-	-	-	-	-	-	-	-	-3
334	1,471	-	-	1,005	1,460	-	-	-	-	9,988	-	36,975
198	225	-	-	-	1,460	-	-	-	-	5,295	-	17,149
7	5	-	-	-	-	-	-	-	-	380	-	829
8	3	-	-	-	1,460	-	-	-	-	336	-	2,065
12	25	-	-	-	-	-	-	-	-	1,123	-	1,212
171	192	-	-	-	-	-	-	-	-	3,457	-	13,043
131	-	-	-	-	-	-	-	-	-	-	-	10,527
-	-	-	-	-	-	-	-	-	-	-	-	997
-	-	-	-	-	-	-	-	-	-	-	-	9,400
-	-	-	-	-	-	-	-	-	-	-	-	-
131	-	-	-	-	-	-	-	-	-	-	-	131
-	-	-	-	-	-	-	-	-	-	-	-	-
6	1,246	-	-	-	-	-	-	-	-	4,693	-	8,294
1	802	-	-	-	-	-	-	-	-	3,613	-	5,670
3	444	-	-	-	-	-	-	-	-	946	-	2,021
2	-	-	-	-	-	-	-	-	-	134	-	603
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1,005	941	-	-	-	-	-	-	1,946

Major Energy Indicators of Viet Nam

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	1990	2000	2005	2010	2011	2012	2013	2014
Total								
Primary Energy Supply	5,414	14,841	25,769	43,685	43,805	44,639	45,905	52,487
Indigenous Production	5,811	25,777	45,190	51,149	53,407	54,339	53,815	55,443
Import	2,947	8,885	12,331	13,450	13,449	11,932	10,764	12,527
Export	-3,125	-18,650	-30,064	-21,315	-20,416	-19,990	-17,299	-14,804
Final Energy Consumption	4,212	11,927	20,905	33,571	34,500	35,218	36,975	39,552
Industry	1,713	4,653	8,235	14,515	14,996	15,329	16,208	18,992
Transport	1,412	3,763	6,898	10,071	10,817	10,702	10,527	10,721
Residential	481	1,878	3,262	4,913	4,966	5,249	5,670	5,880
Commerce & Public Services	334	1,095	1,665	1,650	1,888	1,839	2,021	2,121
Others	272	537	846	2,421	1,833	2,099	2,549	1,838
Coal, Coal Products								
Primary Energy Supply	2,212	4,372	7,082	14,730	15,605	15,785	17,239	19,957
Indigenous Production	2,597	6,501	18,142	24,646	26,102	23,734	22,985	22,998
Import	-	-	57	656	766	963	1,272	1,734
Export	-442	-1,821	-10,072	-11,104	-9,611	-8,521	-7,169	-4,069
Transformation Sector	-	-	-2,132	-4,837	-5,510	-6,106	-6,680	-8,501
Power Generation	-888	-1,150	-2,132	-4,837	-5,510	-6,106	-6,680	-8,501
Final Energy Consumption	1,324	3,223	4,950	9,894	10,095	9,678	10,559	11,456
Industry	1,019	2,339	3,734	8,306	8,560	8,299	8,953	9,933
Transport	14	-	-	-	-	-	-	-
Residential	207	584	861	1,204	1,137	1,084	1,190	1,123
Commerce & Public Services	19	276	333	364	378	277	395	381
Others	64	24	22	20	20	18	21	20
Crude Oil								
Primary Energy Supply	-	20	674	7,232	6,683	6,824	7,578	8,863
Indigenous Production	2,750	16,584	19,609	16,010	16,226	17,808	17,834	18,355
Import	-	-	-	-	-	-	-	-
Export	-2,664	-15,701	-18,290	-8,279	-8,536	-9,643	-8,709	-9,492
Transformation Sector	-	-	-	-6,968	-6,415	-6,534	-7,260	-8,608
Petroleum Refineries	-	-	-	-6,968	-6,415	-6,534	-7,260	-8,608
Petroleum Products								
Primary Energy Supply	2,737	7,757	11,859	10,831	10,104	9,109	7,892	9,453
Import	2,947	8,885	12,274	12,312	12,257	10,738	9,178	10,593
Export	-19	-1,128	-415	-1,850	-2,175	-1,721	-1,306	-1,167
Transformation Sector	-	-	-678	4,628	5,046	5,637	6,761	5,861
Power Generation	-381	-1,310	-678	-1,161	-594	-127	-145	-175
Petroleum Refineries	-	-	-	5,789	5,640	5,763	6,906	6,036
Final Energy Consumption	2,356	6,759	11,855	15,724	15,416	15,037	14,969	15,592
Industry	449	1,515	2,499	1,798	1,867	1,612	1,441	1,651
Transport	1,393	3,742	6,898	10,071	10,817	10,702	10,527	10,721
Residential	76	336	727	859	886	865	867	827
Commerce & Public Services	265	690	958	675	712	684	679	737
Others	174	476	774	2,320	1,133	1,175	1,454	1,656
Natural Gas								
Primary Energy Supply	3	1,440	4,649	8,123	7,560	8,253	8,522	8,937
Indigenous Production	3	1,440	5,935	8,123	7,560	8,253	8,522	8,937
Import	-	-	-	-	-	-	-	-
Export	-	-	-1,286	-	-	-	-	-
Transformation Sector	-	-	-4,549	-7,631	-6,711	-6,815	-7,062	-7,478
Power Generation	-3	-1,102	-4,549	-7,631	-6,711	-6,815	-7,062	-7,478
Final Energy Consumption	-	18	100	492	849	1,438	1,460	1,458
Industry	-	18	100	492	262	661	519	1,458
Transport	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-
Commerce & Public Services	-	-	-	-	-	-	-	-
Others	-	-	-	-	587	777	941	-
Electricity								
Power Generation	746	2,284	4,598	8,162	8,924	10,112	10,950	12,317
Thermal	285	1,033	3,093	5,792	5,404	5,568	6,477	7,163
Hydro	462	1,251	1,505	2,369	3,519	4,540	4,468	5,146
Nuclear	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	3	5	7
Final Energy Consumption	532	1,927	3,967	7,461	8,140	9,064	9,988	11,045
Industry	245	782	1,870	3,919	4,307	4,757	5,295	5,950
Transport	5	21	-	-	-	-	-	-
Residential	198	958	1,674	2,850	2,942	3,300	3,613	3,930
Commerce & Public Services	50	130	374	611	798	878	946	1,003
Others	34	37	49	81	93	128	134	163

Major Economic Indicators of Viet Nam

	1990	2000	2005	2010	2011	2012	2013	2014
Population (Millions) *1	66.02	77.63	82.39	86.93	87.86	88.81	89.76	90.73
Gross Domestic Product *3								
Real Term (Billions of 2010 Price and 2010 USD)	29.46	61.15	85.35	115.93	123.17	129.63	136.66	144.83
Real Term (Billions of 2010 Price and 2010 PPP)	97.10	201.54	281.32	382.11	405.96	427.26	450.43	477.38
Nominal (Billions of Current USD)	6.47	33.64	57.63	115.93	135.54	155.82	171.22	186.20
GDP per Capita *3								
Real Term (2010 Price and 2010 USD)	446	788	1,036	1,334	1,402	1,460	1,522	1,596
Real Term (2010 Price and 2010 PPP)	1,471	2,596	3,414	4,396	4,620	4,811	5,018	5,262
Nominal (Current USD)	98	433	699	1,334	1,543	1,755	1,908	2,052
Nominal GDP & its Components (Billions of Current VND) *1								
Gross Domestic Product	41,955	476,606	914,001	2,157,828	2,779,881	3,245,419	3,584,262	3,937,856
Household Final Consumption Expenditure	35,559	293,507	598,567	1,436,289	1,844,377	2,093,261	2,346,160	2,591,337
General Government Final Consumption Expenditure	5,177	28,346	49,952	129,313	164,323	192,362	220,642	246,711
Gross Fixed Capital Formation	N.A.	122,101	285,841	704,401	745,494	785,337	847,475	938,452
Stock Change	N.A.	8,670	22,702	65,811	81,537	98,823	108,650	118,180
Exports of Goods and Services	15,120	238,142	582,214	1,553,687	2,206,971	2,597,264	2,997,380	3,402,495
Imports of Goods and Services	18,996	253,927	612,521	1,730,902	2,321,858	2,483,567	2,920,030	3,273,530
Real GDP & its Components (Billions of 2010 VND) *1								
Gross Domestic Product	548,308	1,138,111	1,588,646	2,157,828	2,292,483	2,412,778	2,543,596	2,695,796
Household Final Consumption Expenditure	N.A.	732,706	1,022,157	1,436,289	1,495,133	1,568,084	1,649,323	1,750,249
General Government Final Consumption Expenditure	N.A.	59,998	84,251	129,313	138,524	148,481	159,261	170,409
Gross Fixed Capital Formation	N.A.	243,269	412,327	704,401	649,365	661,526	696,578	761,164
Stock Change	N.A.	15,311	31,434	65,810	68,179	73,051	78,036	82,390
Exports of Goods and Services	73,737	462,350	1,061,162	1,553,687	1,721,244	1,991,636	2,337,663	2,607,900
Imports of Goods and Services	91,438	455,760	1,049,910	1,730,902	1,801,807	1,965,677	2,306,613	2,601,967
Sectional Shares of Real GDP (%) *1								
Agriculture, Fishery and Forest	34	25	22	18	18	18	17	17
Industry	25	35	38	32	33	33	33	33
Services, etc.	42	40	N.A.	37	37	38	38	38
Industrial Production Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	2.404	14.483	32.442	72.237	96.906	114.529	132.033	150.217
Imports, c.i.f.	2.752	15.638	36.761	84.839	106.750	113.780	132.033	147.849
Balance of Payments (Billions of Current USD) *1								
Trade Balance	N.A.	0.375	-2.439	-5.136	-0.450	9.885	8.730	N.A.
Current Account	N.A.	1.106	-0.560	-4.276	0.236	9.062	9.471	N.A.
Overall Balance	N.A.	0.790	2.527	1.925	6.626	17.337	9.320	N.A.
Foreign Exchange Rate (VND/USD) *1	6,482.8	14,167.8	15,858.9	18,612.9	20,509.8	20,828.0	20,933.4	21,148.0
PPP conversion factor, GDP (VND/International Dollar) *1	655.0	2,923.2	3,575.1	5,647.1	6,709.2	7,307.6	7,532.7	7,682.4
Price Indices								
GDP Deflator (2010=100) *3	7.7	41.9	57.5	100.0	121.3	134.5	140.9	146.1
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2010=100)	N.A.	48.1	59.9	100.0	118.7	129.5	138.0	143.6
Growth Rate (%) *3								
Real GDP	5.10	6.79	7.55	6.42	6.24	5.25	5.42	5.98
Population	1.92	1.35	1.17	1.05	1.07	1.08	1.07	1.08
Price								
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	N.A.	-1.71	8.28	8.86	18.68	9.09	6.59	4.09

Source *1 : World Development Indicators, World Bank

*2 : International Financial Statistics, International Monetary Fund

*3 : Calculated from *1 and *2 by the Coordinating Agency

Note

: N.A. means "not available"

: VND means Dong, USD means United States Dollar

: PPP means Purchasing Power Parity

APEC Region

Primary Energy Supply Table in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Primary Energy									
Indigenous Production	365 711	17 601	470 006	12 891	2 455 412	68	395 138	34 559	49 219
Import	49 455	399	83 004	26 035	535 122	28 340	52 633	440 460	291 870
Export	- 284 538	- 13 946	- 266 826	- 1 743	- 48 011	- 607	- 273 552	- 16 480	- 59 026
International Marine Bunkers	- 720		- 367	- 198	- 7 154	- 7 696		- 3 977	- 8 475
International Aviation Bunkers	- 3 915	- 76	- 734	- 655	- 7 171	- 5 873		- 5 856	- 4 287
Stock Change	- 794	- 73	- 4 062	- 270	- 32 411	146	2 860	- 367	- 784
Total	125 199	3 906	281 021	36 061	2 895 788	14 379	177 079	448 339	268 519
Coal & Coal Products									
Indigenous Production	285 440		34 892	2 156	1 905 066		269 230	750	778
Import	126		5 445	5 972	124 791	8 685	1 493	116 977	79 523
Export	- 242 832		- 20 603	- 1 177	- 9 114		- 224 600	- 393	
Stock Change	- 1 222		- 262	- 228	- 19 614	- 545	- 1 099	853	1 396
Total	41 512		19 472	6 723	2 001 129	8 140	45 024	118 187	81 697
Crude oil & Petroleum Products									
Indigenous Production	19 081	6 691	219 220	507	213 965	4	47 140	560	783
Import	43 364	399	57 380	17 124	354 331	16 506	51 139	218 805	168 344
Export	- 14 530	- 6 294	- 174 647	- 566	- 34 906	- 501	- 17 709	- 16 086	- 59 026
International Marine Bunkers	- 720		- 367	- 198	- 7 154	- 7 696		- 3 977	- 8 475
International Aviation Bunkers	- 3 915	- 76	- 734	- 655	- 7 171	- 5 873		- 5 856	- 4 287
Stock Change	428	- 109	- 2 342	3	- 12 797	691	3 959	- 1 109	- 1 009
Total	43 708	612	98 511	16 215	506 269	3 130	84 530	192 336	96 332
Natural Gas									
Indigenous Production	52 905	10 910	137 536	676	121 176		67 626	2 696	289
Import	5 964		18 002	2 940	55 420	2 258		104 678	44 003
Export	- 27 176	- 7 652	- 65 349		- 2 429		- 31 243		
Stock Change		36	- 1 458	- 46				- 111	- 1 166
Total	31 693	3 294	88 731	3 570	174 167	2 258	36 383	107 263	43 126
Nuclear Power									
Indigenous Production			28 061		34 539				40 760
Hydro Power									
Indigenous Production	1 584		32 901	1 987	91 533		1 303	17 088	673
Geothermal, Solar, etc									
Indigenous Production	1 616		2 131	185	13 553	1	8 634	7 136	498

Primary Energy Supply Table in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Primary Energy									
Indigenous Production	344 572	18 349	446 760	14 968	2 456 051	64	389 764	35 545	43 811
Import	49 867	309	86 841	26 816	507 538	29 410	50 077	450 492	290 977
Export	- 260 371	- 15 261	- 262 886	- 1 604	- 45 992	- 770	- 244 060	- 17 126	- 56 864
International Marine Bunkers	- 626		- 435	- 207	- 7 713	- 8 801		- 3 953	- 8 333
International Aviation Bunkers	- 3 629	- 88	- 826	- 630	- 6 585	- 5 656		- 5 874	- 4 276
Stock Change	- 3 364	4	3 489	- 675	- 46 878	- 128	- 3 861	570	- 1 282
Total	126 450	3 313	272 944	38 668	2 856 420	14 118	191 920	459 654	264 033
Coal & Coal Products									
Indigenous Production	264 517		35 172	1 591	1 938 443		264 059	676	808
Import	62		5 576	6 178	123 863	8 171	65	117 769	77 378
Export	- 217 375		- 23 371	- 662	- 7 434	- 1	- 193 301	- 893	
Stock Change	- 3 481		493	- 464	- 36 601	- 401	- 13 343	127	- 312
Total	43 722		17 870	6 644	2 018 271	7 769	57 479	117 679	77 873
Crude oil & Petroleum Products									
Indigenous Production	19 959	7 133	204 069	539	212 754		47 752	598	605
Import	44 204	309	57 322	17 341	333 781	17 995	49 751	229 454	165 947
Export	- 15 520	- 6 794	- 164 318	- 942	- 34 397	- 621	- 18 374	- 16 233	- 56 864
International Marine Bunkers	- 626		- 435	- 207	- 7 713	- 8 801		- 3 953	- 8 333
International Aviation Bunkers	- 3 629	- 88	- 826	- 630	- 6 585	- 5 656		- 5 874	- 4 276
Stock Change	117	35	251	- 256	- 10 277	272	9 482	1 395	- 507
Total	44 504	594	96 065	15 845	487 563	3 189	88 612	205 387	96 571
Natural Gas									
Indigenous Production	52 130	11 216	130 310	825	112 521		66 955	2 841	415
Import	5 602		21 962	3 267	49 253	2 307		103 270	47 653
Export	- 27 476	- 8 467	- 68 836		- 2 556		- 32 384		
Stock Change		- 31	2 744	- 19				- 952	- 465
Total	30 256	2 718	86 180	4 073	159 218	2 307	34 571	105 159	47 603
Nuclear Power									
Indigenous Production			26 956		29 086			3 806	36 167
Hydro Power									
Indigenous Production	1 571		33 700	1 697	79 145		1 456	16 836	722
Geothermal, Solar, etc									
Indigenous Production	1 328		1 714	67	12 621	1	8 649	4 782	393

Note: Primary energy in Indonesia, Thailand and Viet Nam exclude non-commercial biomass.

Primary Energy Supply Table in 2014 (Continued)

													ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total	
87 821	208 271	16 985	2 772	24 082	27 564	1 306 126	650	13 903	60 744	2 013 158	55 492	7 618 173	
47 483	59 235	7 831	1 961	7 620	25 741	27 236	162 482	118 404	69 716	547 164	12 527	2 594 721	
- 54 612	- 74 322	- 3 272	- 2 142	- 8 805	- 4 656	- 598 071	- 85 698	- 16 988	- 11 038	- 290 961	- 14 804	- 2 130 097	
- 241	- 823	- 288			- 89	- 14 915	- 40 824	- 1 173		- 14 521		- 101 461	
- 2 525	- 3 245	- 841			- 1 040	- 5 662	- 7 214	- 2 400	- 4 757	- 22 446		- 78 696	
700	- 1 135	84	- 112	- 108	932	- 3 381	- 356	- 892	- 1 168	- 17 238	- 679	- 59 106	
78 626	187 981	20 500	2 479	22 788	48 452	711 333	29 040	110 854	113 496	2 215 156	52 536	7 843 532	
1 693	7 752	2 342		147	4 012	189 743			4 730	485 031	22 998	3 216 760	
13 695	5 094	236		378	8 013	15 906	397	36 811	13 188	6 362	1 734	444 826	
- 114	- 2	- 1 246		- 200	- 3 044	- 100 171		- 47	- 18	- 57 196	- 4 069	- 664 826	
- 16	- 191	68		515	1 661	- 1 526		88	- 4 860	- 2 513	- 706	- 28 200	
15 258	12 652	1 400		841	10 642	103 953	397	36 851	13 039	431 685	19 957	2 968 559	
31 043	144 788	2 078	819	7 506	975	528 661		- 66	17 417	549 939	18 355	1 809 465	
25 863	30 336	7 593	1 961	6 871	17 538	3 697	151 724	64 745	45 672	471 483	10 593	1 765 469	
- 22 518	- 74 052	- 2 026	- 787	- 3 981	- 1 612	- 340 884	- 85 698	- 16 941	- 10 883	- 195 532	- 10 659	- 1 089 838	
- 241	- 823	- 288			- 89	- 14 915	- 40 824	- 1 173		- 14 521		- 101 461	
- 2 525	- 3 245	- 841			- 1 040	- 5 662	- 7 214	- 2 400	- 4 757	- 22 446		- 78 696	
909	- 608	8	- 112	- 369	- 720	- 4 686	- 258	- 978	3 692	- 8 651	26	- 24 030	
32 531	96 396	6 525	1 882	10 027	15 051	166 211	17 730	43 186	51 140	780 272	18 316	2 280 909	
53 190	37 258	4 385	1 502	11 849	3 061	517 542		303	31 998	602 299	8 937	1 666 138	
7 924	23 622				7 061	7 061	10 317	16 849	9 802	62 255		371 094	
- 31 901	- 39		- 1 354	- 4 624		- 155 745				- 34 672		- 362 185	
	- 335	8				2 815	- 98	- 2		- 5 881		- 6 238	
29 213	60 506	4 393	147	7 225	3 061	371 673	10 219	17 150	41 800	624 001	8 937	1 668 809	
	2 522					47 463		11 047		216 450		380 842	
1 151	3 345	2 093	88	1 909	786	15 234		640	458	24 211	5 146	202 129	
20	3 866	4 938	363	25	8 879	418	3	277	213	29 164	7	81 927	

Primary Energy Supply Table in 2013 (Continued)

													ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total	
86 217	216 546	16 121	1 374	23 201	25 593	1 340 274	644	13 880	64 088	1 879 677	53 815	7 471 313	
50 761	56 283	7 916	1 681	8 475	23 163	27 358	159 272	114 383	71 432	587 618	10 764	2 611 431	
- 55 179	- 76 637	- 3 298	- 781	- 10 333	- 2 608	- 622 029	- 84 327	- 17 165	- 15 797	- 279 001	- 17 299	- 2 089 389	
- 404	- 812	- 304			- 163	- 5 079	- 41 083	- 1 224		- 15 970		- 95 108	
- 2 398	- 3 036	- 867			- 1 097	- 6 073	- 7 166	- 2 200	- 4 835	- 21 763		- 76 999	
- 1 429	- 244	- 268	48	169	676	- 5 223		606		33 721	- 1 375	- 25 443	
77 567	192 100	19 300	2 321	21 512	45 564	729 228	27 340	108 280	114 888	2 184 281	45 905	7 795 806	
1 823	7 677	2 739		137	3 743	184 275			4 398	477 186	22 985	3 210 229	
13 900	5 007	266		750	7 608	17 527	267	36 898	10 953	5 056	1 272	438 567	
- 326	- 3	- 1 503		- 113	- 1 795	- 91 061		- 9	- 6	- 68 079	- 7 169	- 613 103	
- 106	232	- 73		106	447	- 2 409		- 92		18 243	151	- 37 484	
15 290	12 912	1 430		880	10 003	108 333	267	36 797	15 345	432 405	17 239	2 998 208	
29 761	150 278	1 855	799	7 357	220	524 196		9	17 498	470 718	17 834	1 713 934	
28 955	29 188	7 649	1 681	7 413	15 338	2 690	149 104	61 610	48 293	506 875	9 178	1 784 077	
- 23 117	- 76 498	- 1 794	- 781	- 4 808	- 813	- 355 319	- 84 327	- 17 156	- 15 680	- 171 283	- 10 015	- 1 075 656	
- 404	- 812	- 304			- 163	- 5 079	- 41 083	- 1 224		- 15 970		- 95 108	
- 2 398	- 3 036	- 867			- 1 097	- 6 073	- 7 166	- 2 200	- 4 835	- 21 763		- 76 999	
- 1 224	- 201	- 152	48	240	229	- 2 038		701		3 509	- 1 526	98	
31 573	98 919	6 387	1 746	10 201	13 715	158 377	16 528	41 740	45 275	772 086	15 470	2 250 345	
52 992	40 474	4 022	127	11 193	2 910	563 118		305	36 897	563 865	8 522	1 661 637	
7 887	21 984					6 734	9 874	15 875	11 105	66 714		373 487	
- 31 579	- 30			- 5 412		- 174 062				- 36 046		- 386 849	
	- 274	- 44				- 742		- 3		11 852		12 067	
29 300	62 154	3 978	127	5 781	2 910	395 048	9 874	16 177	48 002	606 385	8 522	1 660 343	
	3 075					45 317		10 851		214 214		369 473	
910	2 408	1 982	86	1 871	862	15 708		812	482	24 950	4 468	189 667	
12	3 679	4 379	363	24	8 266	387	1	212	112	27 077	5	74 074	

Final Energy Consumption Table in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Total	81 081	1 492	200 730	24 857	1 850 762	6 867	117 629	299 759	170 299
Coal & Coal Products	2 472		3 328	231	750 296		6 228	33 352	10 883
Crude oil & Petroleum Products	42 791	624	92 570	13 603	469 761	2 354	76 873	151 043	86 907
Natural Gas	13 489	580	49 850	1 267	119 737	689	17 448	29 167	22 213
Electricity	17 893	289	42 075	5 715	403 028	3 778	17 080	83 083	41 868
Others	4 435		12 907	4 041	107 941	47		3 115	8 428
Industry	24 442	140	48 703	10 395	1 115 793	352	29 224	133 176	49 813
Coal & Coal Products	2 467		3 316	228	643 279		6 228	32 767	10 158
Crude oil & Petroleum Products	4 477	123	5 155	3 824	78 223	102	4 212	49 846	3 459
Natural Gas	7 829		15 483	520	54 254	29	13 115	15 002	8 825
Electricity	6 836	17	15 499	3 634	275 238	220	5 668	33 664	22 326
Others	2 833		9 250	2 188	64 799			1 898	5 045
Transport	31 701	456	62 619	7 904	240 383	2 114	47 945	73 980	31 868
Coal & Coal Products					2 694				
Crude oil & Petroleum Products	31 003	456	58 777	7 781	209 802	2 045	47 904	72 054	30 483
Natural Gas	287		3 419	34	18 778		28	79	1 212
Electricity	410		424	89	9 109	69	13	1 847	172
Others									
Agriculture	2 268		6 288		43 104			2 834	1 700
Coal & Coal Products					13 391				
Crude oil & Petroleum Products	2 026		4 648		17 554			2 389	748
Natural Gas	30		833		74				3
Electricity	212		808		8 715			294	927
Others					3 370			152	22
Residential & Commercial	17 687	308	59 260	5 680	261 269	4 396	20 035	84 898	39 193
Coal & Coal Products	5		12		69 694			585	725
Crude oil & Petroleum Products	1 101	17	5 464	1 272	40 093	207	8 418	21 883	4 730
Natural Gas	4 544	19	27 323	597	37 042	659	219	14 085	12 173
Electricity	10 435	271	22 865	1 958	78 877	3 488	11 398	47 279	18 204
Others	1 602		3 596	1 852	35 563	41		1 065	3 362

Final Energy Consumption Table in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Total	81 102	1 116	199 430	26 642	1 801 957	6 746	140 029	302 288	167 844
Coal & Coal Products	2 390		2 914	212	753 027		25 054	33 679	9 453
Crude oil & Petroleum Products	42 855	634	93 924	13 542	451 443	2 366	81 149	151 406	84 973
Natural Gas	13 181	211	47 334	1 432	107 615	682	17 697	29 932	24 135
Electricity	18 075	271	42 813	5 605	385 633	3 663	16 129	84 258	41 893
Others	4 600		12 446	5 851	104 239	34		3 013	7 390
Industry	24 868	156	47 661	9 965	1 118 789	348	60 705	134 222	48 164
Coal & Coal Products	2 387		2 899	210	646 805		25 054	33 089	8 600
Crude oil & Petroleum Products	4 881	139	5 390	3 322	96 718	101	16 637	50 393	3 479
Natural Gas	7 770		15 050	670	48 898	29	13 477	15 145	9 803
Electricity	6 849	16	15 525	3 667	262 726	218	5 537	33 817	21 990
Others	2 980		8 796	2 097	63 642			1 778	4 293
Transport	31 675	447	61 746	8 148	227 499	2 121	48 483	73 006	31 378
Coal & Coal Products					2 941				
Crude oil & Petroleum Products	30 977	447	58 447	8 076	200 620	2 055	48 446	71 059	29 988
Natural Gas	287		2 894	28	15 331		26	89	1 204
Electricity	411		405	44	8 608	67	11	1 857	186
Others									
Agriculture	2 259		6 283		42 047			2 728	2 145
Coal & Coal Products					12 975				
Crude oil & Petroleum Products	2 049		4 598		16 865			2 270	1 161
Natural Gas	19		828		65				3
Electricity	191		856		8 831			307	917
Others					3 311			152	65
Residential & Commercial	17 651	295	56 960	7 662	249 966	4 276	19 149	87 423	40 691
Coal & Coal Products	2		14		69 525			590	853
Crude oil & Petroleum Products	1 027	17	5 836	1 489	36 109	210	8 352	22 775	5 091
Natural Gas	4 376	23	25 408	547	34 715	653	216	14 697	13 125
Electricity	10 624	255	22 111	1 873	76 248	3 378	10 581	48 277	18 593
Others	1 621		3 591	3 754	33 369	34		1 083	3 029

Notes: Energy consumption in Indonesia, Thailand and Viet Nam exclude non-commercial biomass.

Final Energy Consumption Table in 2014 (Continued)

													ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total	
48 469	118 258	14 302	1 509	17 603	28 430	454 438	17 493	68 830	67 657	1 537 244	1 537 244	6 664 954	
1 708	2 610	619		692	2 415	10 970	168	6 990	4 629	22 205	22 205	882 001	
26 991	73 068	6 074	1 194	9 721	12 936	134 460	11 914	38 780	34 410	778 750	778 750	2 843 573	
8 734	13 727	3 010		1 670	78	133 564	1 421	3 007	8 212	355 206	355 206	1 138 274	
11 036	21 691	3 323	315	3 414	5 448	63 453	3 991	19 952	14 461	325 750	325 750	1 413 391	
	7 163	1 276		2 106	7 553	111 991		101	5 945	55 333	55 333	387 715	
13 314	33 344	4 563	663	4 854	6 865	201 409	5 880	22 484	12 315	268 663	268 663	2 255 055	
1 708	2 471	548		692	2 261	8 431	168	6 990	4 629	21 352	21 352	769 045	
1 534	5 752	403	435	1 249	1 300	58 793	2 864	2 220	- 925	21 741	21 741	266 528	
4 411	11 971	1 372		906	78	67 479	1 252	1 657	2 740	120 829	120 829	448 581	
5 070	12 240	1 193	228	1 972	1 843	28 698	1 596	11 616	5 871	70 609	70 609	574 648	
592	911	1 047		36	1 384	38 007				34 132	34 132	196 252	
21 483	51 288	4 699	588	7 312	8 822	93 491	2 493	11 911	22 859	622 091	622 091	1 968 094	
												2 694	
21 210	51 173	4 693	588	6 761	8 813	60 381	2 263	11 797	20 024	601 058	601 058	1 850 124	
250	17			549		25 347	19		2 826	20 379	20 379	93 603	
22	97	5		3	10	7 762	210	114	9	654	654	21 674	
37	3 761	660		46	189	8 594		168	3 995	20 687	20 687	115 017	
		38				82						13 510	
1	2 899	340		46	31	3 789		4	3 959	15 678	15 678	69 789	
		35				862				1 270	1 270	4 377	
36	862	229				1 369		164	36	2 380	2 380	18 567	
		17				2 493				1 360	1 360	8 774	
7 446	21 645	2 623		4 950	12 141	150 112	2 422	11 482	16 993	492 189	492 189	1 706 919	
		33				2 455				853	853	75 216	
1 516	7 688	182		1 225	2 296	10 698	108	2 053	2 582	35 453	35 453	182 440	
21	1 095	328		216		39 876	149	1 350	1	198 088	198 088	535 873	
5 909	6 610	1 867		1 439	3 417	25 602	2 165	7 979	8 466	237 954	237 954	734 135	
	6 252	212		2 071	6 429	71 481		101	5 945	19 842	19 842	179 254	

Final Energy Consumption Table in 2013 (Continued)

													ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total	
47 850	119 573	13 330	1 434	17 699	27 226	449 805	17 168	68 513	79 636	1 509 777	39 552	5 118 715	
1 538	3 769	612		573	2 196	11 713	133	7 380	5 563	22 417	11 456	894 077	
26 830	72 351	5 929	1 133	9 875	12 249	123 420	11 728	38 732	51 960	769 205	15 592	2 061 295	
8 897	14 933	2 254		1 761	63	140 097	1 442	2 809	7 928	339 654	1 458	763 516	
10 585	20 766	3 287	302	3 290	5 295	63 992	3 866	19 491	14 185	324 011	11 045	1 078 453	
	7 754	1 247		2 200	7 422	110 583		102		54 490		321 374	
13 216	36 059	4 190	640	4 941	6 296	201 735	5 926	22 812	19 018	267 031	18 992	2 045 734	
1 538	3 631	499		573	2 082	8 811	133	7 380	5 563	21 649	9 933	780 836	
2 702	5 773	420	420	1 312	1 281	51 068	3 003	2 527	4 972	23 116	1 651	279 306	
4 170	13 349	1 071		1 052	63	73 023	1 262	1 548	2 653	115 486	1 458	325 978	
4 806	11 816	1 188	220	1 871	1 778	28 956	1 528	11 356	5 830	72 798	5 950	498 443	
	1 490	1 011		133	1 091	39 877				33 983		161 171	
19 733	51 125	4 584	538	7 319	8 466	96 370	2 562	11 792	22 916	609 142	10 721	1 329 769	
												2 941	
19 456	51 010	4 577	538	6 791	8 455	59 485	2 338	11 683	20 167	588 423	10 721	1 233 758	
256	18	1		527	1	29 097	20		2 734	20 097		72 610	
21	97	5			10	7 788	204	110	14	622		20 460	
39	3 782	658		45	176	7 274		161	3 942	21 263	615	93 417	
		72				53					20	13 121	
7	2 898	338		45	34	2 859		3	3 912	16 038	432	53 509	
		33				653				1 271		2 872	
32	884	199				1 300		158	30	2 554	163	16 562	
		16				2 409				1 400		7 353	
7 397	21 449	2 608		4 866	11 679	143 613	2 388	11 218	11 026	477 526	8 001	1 185 844	
		40				2 847				768	1 504	76 144	
1 651	7 712	189		1 198	2 004	9 230	119	2 068	2 838	34 066	1 565	143 545	
20	990	296		182		37 323	158	1 261	1	188 853		322 846	
5 725	6 482	1 863		1 418	3 347	25 925	2 111	7 788	8 187	234 731	4 933	494 451	
	6 264	220		2 068	6 328	68 288		102		19 107		148 858	

Demand & Supply Table of Coal in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production									
Import	35		5 141	6 155	123 839	8 171	65	116 753	77 127
Export	- 216 689		- 23 352	- 662	- 4 256	- 1	- 193 301		
Stock Change	- 3 516		545	- 447	- 22 779	- 401	- 13 343	127	- 312
Primary Energy Supply	44 347		17 505	6 638	2 035 246	7 769	57 479	117 556	77 622
Main Activity Producer	- 39 395		- 15 618	- 6 635	- 827 279	- 7 769	- 32 424	- 53 985	- 47 244
Autoproducers					- 136 260			- 11 629	- 2 983
Coal Transformation	- 3 144		- 2 300	- 393	- 401 572		- 9	- 36 112	- 21 616
Refining									
Gas processing					- 4 421				
Other Transformation									
Final Energy Consumption	1 928		1 162	132	616 844		25 047	15 428	4 965

Demand & Supply Table of Crude Oil in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production	19 959	7 133	204 069	539	212 754		47 752	598	605
Import	24 108	10	44 000	9 647	281 742		18 091	181 884	125 523
Export	- 13 231	- 6 707	- 139 743		- 1 617		- 17 945		- 286
Stock Change	172	44	- 289	- 207	- 3 334		665	1 255	1 039
Primary Energy Supply	31 008	479	108 036	9 979	489 544		48 564	183 736	126 880
Main Activity Producer					- 104			- 9 648	
Autoproducers					- 34				
Coal Transformation									
Refining	- 31 553	- 479	- 92 883	- 10 632	- 490 458	- 5	- 47 646	- 173 287	- 131 812
Gas processing									
Other Transformation	228			40	9 656	5			7 841
Final Energy Consumption	14				1 469				

Demand & Supply Table of Natural Gas in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production	52 130	11 216	130 310	825	112 521		66 955	2 841	415
Import	5 602		21 962	3 267	49 253	2 307		103 270	47 653
Export	- 27 476	- 8 467	- 68 836		- 2 556		- 32 384		
Stock Change		- 31	2 744	- 19				- 952	- 465
Primary Energy Supply	30 256	2 718	86 180	4 073	159 218	2 307	34 571	105 159	47 603
Main Activity Producer	- 8 448	- 1 105	- 8 729	- 1 966	- 21 243	- 1 625	- 11 725	- 69 982	- 22 151
Autoproducers	- 2 673	- 157	- 4 507	- 112	- 5 283			- 3 681	- 619
Coal Transformation									
Refining									
Gas processing		- 17	- 3 065	- 7	- 205		- 2 246	1 282	
Other Transformation	- 2								
Final Energy Consumption	13 181	211	47 334	1 432	107 615	682	17 697	29 932	24 135

Demand & Supply Table of Coal in 2013 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
13 900	4 757	266		726	7 608	17 415	259	36 782	4 894	4 970	1 734	430 598
- 326	- 2	- 1 503		- 89	- 1 795	- 89 316			- 1	- 67 555	- 4 069	- 602 919
- 106	232	- 73		82	447	- 2 409		- 92		18 410	- 706	- 24 341
15 290	12 663	1 430		856	10 003	109 966	259	36 690	9 290	433 011	19 957	3 013 579
- 13 519	- 7 526	- 395		- 192	- 7 806	- 51 515	- 134	- 18 807	- 4 221	- 395 054	- 8 501	- 1 538 017
	- 38	- 6		- 137		- 17 699		- 5 640	- 2 836	- 2 578		- 179 806
	- 2 155	- 436				- 37 919		- 5 683		- 14 533		- 525 872
										- 1 817		- 6 237
1 538	2 805	572		548	2 196	4 421	125	5 488	1 044	17 900	11 456	713 599

Demand & Supply Table of Crude Oil in 2013 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
29 761	150 278	1 855	799	7 357	220	524 196		9	17 498	470 718	18 355	1 714 455
9 103	411	5 481	1 274	4 286	7 756	858	45 668	44 038	45 062	438 536		1 287 478
- 10 645	- 67 456	- 1 527	- 781	- 741	- 187	- 237 788	- 566		- 1 668	- 30 119	- 9 492	- 540 498
520	- 440	- 67	62	- 86	- 38	- 1 454	- 372	479		3 521		1 468
28 739	82 793	5 742	1 354	10 817	7 751	285 812	44 730	44 527	60 892	882 656	8 863	2 462 903
						- 782						- 9 752
												- 816
- 26 346	- 75 045	- 5 540	- 1 337	- 9 351	- 7 894	- 279 903	- 52 114	- 44 572	- 55 829	- 828 651	- 8 608	- 2 373 945
415	59			186	148				1 624			20 201
						107			6 172	2 449		10 211

Demand & Supply Table of Natural Gas in 2013 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
52 992	40 474	4 022	127	11 193	2 910	563 118		305	36 897	563 865	8 937	1 662 052
7 887	21 984					6 734	9 874	15 875	11 105	66 714		373 487
- 31 579	- 30			- 5 412		- 174 062				- 36 046		- 386 849
	- 274	- 44				- 742		- 3		11 852		12 067
29 300	62 154	3 978	127	5 781	2 910	395 048	9 874	16 177	48 002	606 385	8 937	1 660 758
- 13 558	- 23 900	- 1 492		- 3 058	- 2 737	- 160 959	- 7 611	- 11 935	- 23 992	- 190 402	- 7 478	- 594 095
- 1 457	- 6 681	- 37	- 123	- 174		- 77 111	- 842	- 68	- 1 611	- 16 476		- 121 612
- 869	566							- 4	- 2 382			- 6 945
- 2 853						- 1 834				- 4 246		- 8 935
8 897	14 933	2 254		1 761	63	140 097	1 442	2 809	7 928	339 654	1 458	763 516

Demand & Supply Table of Coal in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production									
Import	74		4 805	5 968	124 790	8 685	1 493	114 883	79 244
Export	- 242 283		- 20 563	- 1 072	- 3 329		- 224 600		
Stock Change	- 1 200		- 293	- 254	- 18 007	- 545	- 1 099	853	1 396
Primary Energy Supply	42 030		18 842	6 798	2 008 519	8 140	45 024	116 485	81 417
Main Activity Producer	- 37 265		- 14 944	- 5 647	- 819 437	- 8 140	- 38 794	- 54 020	- 46 367
Autoproducers					- 134 391			- 11 613	- 3 423
Coal Transformation	- 2 881		- 2 058	- 419	- 403 310		- 10	- 34 929	- 24 055
Refining									
Gas processing					- 4 838				
Other Transformation									
Final Energy Consumption	1 971		1 593	202	610 781		6 220	14 997	5 138

Demand & Supply Table of Crude Oil in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production	19 081	6 691	219 220	507	213 965		47 140	560	783
Import	22 611	7	44 012	9 830	308 374		18 650	172 618	128 438
Export	- 12 448	- 6 209	- 151 698		- 600		- 16 807		- 143
Stock Change	80	- 89	- 1 430	31	- 3 757		3 556	- 672	- 582
Primary Energy Supply	29 324	400	110 106	10 368	517 983		52 540	172 506	128 495
Main Activity Producer					- 89			- 7 226	
Autoproducers					- 70				
Coal Transformation									
Refining	- 29 657	- 382	- 93 088	- 11 580	- 518 282		- 56 018	- 165 217	- 134 467
Gas processing									
Other Transformation	233			7	10 071		1 205		8 998
Final Energy Consumption	16				3 868				

Demand & Supply Table of Natural Gas in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Indigenous Production	52 905	10 910	137 536	676	121 176		67 626	2 696	289
Import	5 964		18 002	2 940	55 420	2 258		104 678	44 003
Export	- 27 176	- 7 652	- 65 349		- 2 429		- 31 243		
Stock Change		36	- 1 458	- 46				- 111	- 1 166
Primary Energy Supply	31 693	3 294	88 731	3 570	174 167	2 258	36 383	107 263	43 126
Main Activity Producer	- 8 665	- 1 138	- 8 550	- 1 687	- 22 396	- 2 258	- 8 038	- 71 422	- 19 382
Autoproducers	- 2 742	- 174	- 4 581	- 59	- 6 052			- 3 597	- 752
Coal Transformation									
Refining									
Gas processing		- 17	- 3 036	- 7	267	274	- 2 009	1 351	
Other Transformation	- 2								
Final Energy Consumption	13 489	580	49 850	1 267	119 737	689	17 448	29 167	22 213

Demand & Supply Table of Coal in 2014 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
13 695	4 760	236		370	8 013	15 802	389	36 695	6 961	6 315	-	433 179
- 114	- 2	- 1 246		- 177	- 3 044	- 98 422			- 18	- 56 604	-	- 651 475
- 16	- 191	68		441	1 661	- 1 419		88	- 2 709	- 2 560	-	- 23 785
15 258	12 318	1 400		782	10 642	105 705	389	36 783	8 965	432 182	-	2 951 680
- 13 639	- 8 138	- 301		- 44	- 8 227	- 45 093	- 229	- 19 027	- 8 296	- 394 047	-	- 1 521 654
	- 42	- 6		- 158		- 13 484		- 5 282		- 2 413	-	- 170 810
	- 2 169	- 437				- 40 658		- 6 005		- 14 404	-	- 531 334
										- 1 934	-	- 6 772
											-	-
1 708	1 613	580		633	2 415	3 953	160	5 288	672	17 831	-	675 758

Demand & Supply Table of Crude Oil in 2014 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
31 043	144 788	2 078	819	7 506	975	528 661		- 66	17 417	549 939	-	1 791 106
9 799	386	5 263	1 115	4 212	8 717	1 481	42 394	45 349	41 892	407 372	-	1 272 523
- 11 702	- 64 097	- 1 750	- 787	- 783	- 942	- 224 551	- 584		- 645	- 52 042	-	- 545 788
- 491	- 756	- 22	- 68	- 78	- 539	- 4 687	- 156	- 821	3 850	- 7 031	-	- 13 662
28 649	80 321	5 570	1 079	10 857	8 211	300 904	41 653	44 462	62 514	898 238	-	2 504 178
											-	- 7 315
						- 615					-	- 685
											-	-
- 26 344	- 74 076	- 5 388	- 1 063	- 9 566	- 8 319	- 294 215	- 49 066	- 44 647	- 53 568	- 850 405	-	- 2 425 347
											-	-
259	63			186	349			72	1 874		-	23 318
						111				2 304	-	6 298

Demand & Supply Table of Natural Gas in 2014 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
53 190	37 258	4 385	1 502	11 849	3 061	517 542		303	31 998	602 299	-	1 657 201
7 924	23 622					7 061	10 317	16 849	9 802	62 255	-	371 094
- 31 901	- 39		- 1 354	- 4 624		- 155 745				- 34 672	-	- 362 185
	- 335	8				2 815	- 98	- 2		- 5 881	-	- 6 238
29 213	60 506	4 393	147	7 225	3 061	371 673	10 219	17 150	41 800	624 001	-	1 659 872
- 14 964	- 24 733	- 1 229		- 3 580	- 2 872	- 145 322	- 8 065	- 12 694	- 22 576	- 190 103	-	- 569 674
- 1 541	- 7 175	- 37	- 147	- 195		- 76 363	- 902	- 68	- 1 804	- 16 250	-	- 122 438
											-	-
											-	-
- 1 649	520							4	- 48		-	- 4 350
- 1 537						- 2 034				- 4 340	-	- 7 913
8 734	13 727	3 010		1 670	78	133 564	1 421	3 007	8 212	355 206	-	783 068

Power Generation Table in 2014

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Total	248 299	4 507	656 225	73 719	5 649 583	39 948	225 565	1 081 865	550 933
Thermal	211 256	4 505	134 047	43 070	4 268 649	39 803	200 163	947 441	379 353
Coal	151 849		64 718	26 006	4 136 477	30 401	120 266	322 768	231 500
Oil	5 013	44	7 974	4 584	21 487	231	40 223	132 745	17 395
Gas	54 394	4 461	61 355	12 480	110 685	9 171	39 674	491 928	130 458
Hydro	18 421		382 574	23 099	1 064 337	2	15 148	85 544	7 820
Nuclear			107 678		132 538				156 407
Geothermal	1						10 039	2 558	
Others	18 621	2	31 926	7 550	184 059	144	216	46 323	7 353
Main Activity Producer	223 944	4 010	599 532	67 409	5 112 673	39 901	225 565	799 541	517 962
Thermal	194 065	4 009	112 854	42 152	3 731 739	39 803	200 163	725 832	347 871
Coal	151 849		64 684	26 006	3 613 152	30 401	120 266	228 700	211 437
Oil	896	44	6 295	4 133	19 897	231	40 223	86 723	9 016
Gas	41 320	3 965	41 875	12 013	98 690	9 171	39 674	410 410	127 418
Hydro	18 421		351 521	22 940	1 064 337		15 148	68 963	7 820
Nuclear			107 678		132 538				156 407
Geothermal	1						10 039	2 399	
Others	11 457	2	27 479	2 317	184 059	98	216	2 348	5 864
Autoproducers	24 355	496	56 693	6 310	536 910	47		282 323	32 971
Thermal	17 191	496	21 193	918	536 910			221 609	31 482
Coal			34		523 324			94 068	20 063
Oil	4 117		1 679	451	1 591			46 022	8 379
Gas	13 074	496	19 480	467	11 995			81 518	3 040
Hydro			31 053	159		2		16 581	
Nuclear									
Geothermal								159	
Others	7 164		4 447	5 233		46		43 975	1 489

Power Generation Table in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Total	249 720	4 402	660 795	73 065	5 431 637	39 197	216 146	1 088 773	541 996
Thermal	216 511	4 402	138 198	46 841	4 247 009	39 063	189 567	922 158	389 095
Coal	159 047		65 190	30 235	4 123 146	29 299	110 452	358 240	222 842
Oil	6 410	42	7 831	5 451	22 478	158	45 056	177 836	21 418
Gas	51 054	4 360	65 177	11 155	101 384	9 606	34 059	386 082	144 835
Hydro	18 270		391 861	19 737	920 291	1	16 930	85 160	8 394
Nuclear			103 439		111 613			14 603	138 784
Geothermal	1						9 414	2 564	
Others	14 938		27 297	6 487	152 724	133	235	64 287	5 723
Main Activity Producer	226 356	3 942	604 598	66 643	4 909 362	39 157	216 146	818 742	513 833
Thermal	198 976	3 942	117 507	45 930	3 724 734	39 063	189 567	732 672	362 568
Coal	159 047		65 154	30 235	3 613 497	29 299	110 452	265 051	203 905
Oil	1 146	42	5 794	4 677	20 934	158	45 056	110 463	16 414
Gas	38 783	3 900	46 559	11 018	90 303	9 606	34 059	357 157	142 249
Hydro	18 270		360 615	19 562	920 291		16 930	68 807	8 394
Nuclear			103 439		111 613			14 603	138 784
Geothermal	1						9 414	2 408	
Others	9 109		23 037	1 151	152 724	94	235	253	4 087
Autoproducers	23 364	460	56 197	6 422	522 275	40		270 031	28 163
Thermal	17 535	460	20 691	911	522 275			189 487	26 527
Coal			36		509 649			93 189	18 937
Oil	5 264		2 037	774	1 544			67 373	5 004
Gas	12 271	460	18 618	137	11 082			28 924	2 586
Hydro			31 246	175		1		16 353	
Nuclear									
Geothermal								156	
Others	5 829		4 260	5 336		39		64 035	1 636

Power Generation Table in 2014 (Continued)

												GWh
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
147 461	301 496	43 553	4 176	45 515	77 261	1 066 081	49 380	260 040	174 467	4 339 210	143 216	15 182 500
133 153	238 849	9 060	2 734	22 330	57 451	702 495	47 929	202 467	161 827	2 913 787	83 217	10 803 586
55 827	33 881	1 962		289	33 054	158 299	542	121 171	35 753	1 712 577	37 645	7 274 984
3 490	33 006	7	2 134	1 484	5 708	10 703	345	7 604	1 399	39 877	642	336 096
73 836	171 962	7 091	600	20 558	18 690	533 493	47 042	73 691	124 675	1 161 333	44 930	3 192 507
13 388	38 893	24 336	1 020	22 196	9 137	179 015		7 439	4 362	281 527	59 841	2 238 098
	9 677					180 757		42 389		830 584		1 460 030
	6 000	7 258	422		10 308	455			1	18 710		55 751
920	8 077	2 899		989	364	3 359	1 451	7 746	8 277	294 602	158	625 035
142 788	258 258	42 155	940	42 496	77 261	999 349	44 347	220 573	145 069	4 166 530	143 216	13 873 520
128 784	202 346	8 265	280	20 161	57 451	640 412	42 896	169 229	140 702	2 790 658	83 217	9 682 888
55 827	33 503	1 314		163	33 054	150 529	542	90 146	33 860	1 694 636	37 645	6 577 713
3 401	26 822	7	280	87	5 708	5 782	42	6 603	1 370	31 470	642	249 672
69 556	142 021	6 944		19 910	18 690	484 101	42 312	72 479	105 472	1 064 552	44 930	2 855 503
13 388	38 145	24 323	660	21 597	9 137	177 469		7 439	4 362	280 195	59 841	2 185 705
	9 677					180 757		42 389		830 584		1 460 030
	6 000	7 201			10 308	455			1	18 710		55 114
616	2 090	2 366		739	364	256	1 451	1 516	4	246 383	158	489 783
4 673	43 238	1 398	3 236	3 019		66 732	5 033	39 467	29 398	172 680		1 308 980
4 369	36 503	795	2 454	2 170		62 083	5 033	33 238	21 125	123 129		1 120 698
	378	648		126		7 770		31 025	1 893	17 941		697 270
89	6 184		1 854	1 397		4 921	303	1 001	29	8 407		86 424
4 280	29 941	147	600	647		49 392	4 730	1 212	19 203	96 781		337 003
	748	13	360	599		1 546				1 332		52 393
		57	422									638
304	5 987	533		250		3 103		6 229	8 273	48 219		135 251

Power Generation Table in 2013 (Continued)

												GWh
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
138 330	297 326	43 265	3 965	43 295	75 266	1 060 595	47 969	252 250	168 476	4 306 371	127 328	14 870 166
126 472	245 841	11 101	2 546	19 762	55 363	700 556	46 595	194 912	155 713	2 907 720	70 253	10 729 677
53 372	31 960	2 395		642	32 081	161 876	309	119 320	35 257	1 712 408	26 861	7 274 932
5 339	48 122	3	2 057	2 000	4 491	8 706	2 255	6 719	1 585	36 858	545	405 361
67 761	165 759	8 703	489	17 120	18 791	529 974	44 031	68 873	118 871	1 158 454	42 847	3 049 384
10 586	28 002	23 044	996	22 890	10 019	184 157		8 610	5 611	290 113	56 943	2 101 616
	11 800					172 508		41 639		822 004		1 416 390
	6 070	6 416	422		9 605	444			1	18 422		53 359
1 272	5 613	2 704		643	279	2 930	1 374	7 089	7 151	268 112	132	569 124
133 310	258 821	41 856	906	40 627	75 266	996 100	42 755	213 924	142 115	4 128 386	127 328	13 600 173
121 948	211 680	10 291	260	18 112	55 363	640 434	41 381	162 146	136 498	2 781 785	70 253	9 665 110
53 372	31 500	1 732		642	32 081	153 135	309	89 130	33 407	1 693 607	26 861	6 592 418
5 255	41 855	3	260	1 033	4 491	5 109	1 429	5 275	1 558	28 488	545	299 985
63 321	138 325	8 556		16 437	18 791	482 190	39 643	67 740	101 533	1 059 690	42 847	2 772 707
10 586	27 444	23 031	645	22 282	10 019	182 709		8 610	5 611	286 579	56 943	2 047 329
	11 800					172 508		41 639		822 004		1 416 390
	6 070	6 359			9 605	444			1	18 422		52 724
776	1 827	2 175		233	279	5	1 374	1 529	4	219 596	132	418 620
5 020	38 505	1 409	3 059	2 668		64 495	5 214	38 326	26 361	177 985		1 269 994
4 524	34 161	810	2 286	1 650		60 122	5 214	32 766	19 214	125 935		1 064 567
	460	663				8 741		30 189	1 849	18 801		682 515
84	6 267		1 797	967		3 597	826	1 444	27	8 370		105 376
4 440	27 434	147	489	683		47 784	4 388	1 133	17 338	98 764		276 677
	558	13	351	608		1 448				3 534		54 287
		57	422									635
496	3 786	529		410		2 925		5 560	7 147	48 516		150 503

Fuel Consumption Table for Power Generation in 2014

4

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Main Activity Producer	- 46 385	- 1 149	- 25 275	- 8 778	- 882 024	- 10 447	- 53 302	- 151 286	- 69 926
Coal	- 37 265		- 14 944	- 5 647	- 819 437	- 8 140	- 38 794	- 54 020	- 46 367
Coke									
Coke Oven Gas					- 1 258			- 951	- 455
Blast Furnace Gas								- 3 418	- 1 390
Crude Oil & NGL					- 89			- 7 226	
LPG				- 1				- 460	
Refinery Gas			- 119		- 714				
Naphtha									
Diesel Oil	- 132	- 11	- 172	- 619	- 263	- 48	- 5 278	- 346	- 96
Fuel Oil	- 23		- 489	- 37	- 1 015	- 1	- 1 103	- 11 854	- 1 840
Natural Gas	- 8 665	- 1 138	- 8 550	- 1 687	- 22 396	- 2 258	- 8 038	- 71 422	- 19 382
Others	- 300		- 1 002	- 786	- 36 852		- 89	- 1 589	- 395
Autoproducers	- 4 146	- 174	- 6 035	- 3 011	- 176 822	- 12		- 37 005	- 9 387
Coal					- 134 391			- 11 613	- 3 423
Coke					- 1 788				
Coke Oven Gas			- 7		- 7 356			- 557	- 365
Blast Furnace Gas					- 20 012			- 2 562	- 1 658
Crude Oil & NGL					- 70				
LPG					- 33			- 151	
Refinery Gas			- 198		- 1 793			- 1 743	
Naphtha								- 2 228	- 1 110
Diesel Oil	- 747		- 93	- 38	- 48			- 2 243	- 27
Fuel Oil	- 134		- 55	- 127	- 989			- 4 353	
Natural Gas	- 2 742	- 174	- 4 581	- 59	- 6 052			- 3 597	- 752
Others	- 523		- 1 101	- 2 787	- 4 290	- 12		- 7 957	- 2 052

Fuel Consumption Table for Power Generation in 2013

	Australia	Brunei Darussalam	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Main Activity Producer	- 48 319	- 1 116	- 26 025	- 10 119	- 886 215	- 9 438	- 50 669	- 155 182	- 74 239
Coal	- 39 395		- 15 618	- 6 635	- 827 279	- 7 769	- 32 424	- 53 985	- 47 244
Coke									
Coke Oven Gas					- 1 524			- 1 028	- 138
Blast Furnace Gas								- 3 351	- 622
Crude Oil & NGL					- 104			- 9 648	
LPG								- 479	
Refinery Gas			- 137		- 658				
Naphtha									
Gas/Diesel Oil	- 184	- 11	- 127	- 548	- 363	- 14	- 5 240	- 363	- 101
Fuel Oil	- 26		- 361	- 84	- 1 141	- 30	- 1 186	- 14 840	- 3 712
Natural Gas	- 8 448	- 1 105	- 8 729	- 1 966	- 21 243	- 1 625	- 11 725	- 69 982	- 22 151
Others	- 266		- 1 053	- 887	- 33 902		- 94	- 1 507	- 271
Autoproducers	- 4 267	- 157	- 6 054	- 4 029	- 172 799	- 13		- 35 181	- 8 750
Coal					- 136 260			- 11 629	- 2 983
Coke									
Coke Oven Gas			- 7		- 7 686			- 602	- 368
Blast Furnace Gas					- 16 976			- 2 636	- 1 828
Crude Oil & NGL					- 34				
LPG					- 6			- 157	
Refinery Gas			- 293	- 61	- 1 410				
Naphtha								- 2 166	- 1 088
Gas/Diesel Oil	- 1 045		- 95	- 83	- 27			- 1 924	- 1
Fuel Oil	- 151		- 68	- 94	- 1 003			- 4 726	
Natural Gas	- 2 673	- 157	- 4 507	- 112	- 5 283			- 3 681	- 619
Others	- 399		- 1 083	- 3 679	- 4 115	- 13		- 7 659	- 1 864

Fuel Consumption Table for Power Generation in 2014 (Continued)

Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
- 29 645	- 39 954	- 1 569	- 80	- 3 838	- 12 584	- 193 252	- 9 014	- 33 300	- 31 379	- 607 333	- 16 203	- 2 226 724
- 13 639	- 8 138	- 301		- 44	- 8 227	- 45 093	- 229	- 19 027	- 8 296	- 394 047	- 8 501	- 1 530 154
										- 21		- 2 685
						- 1 250				- 205		- 6 264
												- 7 315
												- 461
												- 834
- 621	- 318			- 33	- 334		- 2	- 70	- 18	- 1 943	- 56	- 10 362
- 312	- 6 764		- 80	- 67	- 1 044	- 1 586	- 27	- 1 510	- 372	- 2 181	- 118	- 30 425
- 14 964	- 24 733	- 1 229		- 3 580	- 2 872	- 145 322	- 8 065	- 12 694	- 22 576	- 190 103	- 7 478	- 577 152
- 108		- 39		- 115	- 107		- 691		- 117	- 18 833	- 49	- 61 072
- 1 652	- 10 720	- 336	- 682	- 859		- 105 196	- 1 130	- 8 611	- 5 352	- 28 848		- 399 977
	- 42	- 6		- 158		- 13 484		- 5 282		- 2 413		- 170 810
						- 6						- 1 794
	- 10	- 43				- 1 536		- 295		- 85		- 10 255
	- 110	- 131				- 170		- 616		- 684		- 25 942
						- 615						- 685
	- 121					- 27						- 332
				- 32		- 758	- 194	- 7		- 1 929		- 6 653
												- 3 339
- 25	- 187		- 93	- 94		- 2 050				- 57		- 5 704
	- 366		- 442	- 79		- 5 814	- 35	- 379	- 7	- 83		- 12 862
- 1 541	- 7 175	- 37	- 147	- 195		- 76 363	- 902	- 68	- 1 804	- 16 250		- 122 438
- 85	- 2 708	- 119		- 302		- 4 373		- 1 965	- 3 542	- 7 347		- 39 162

Fuel Consumption Table for Power Generation in 2013 (Continued)

Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
- 28 326	- 41 845	- 1 927	- 76	- 3 553	- 11 726	- 215 246	- 8 870	- 32 027	- 28 583	- 606 090	- 13 932	- 2 253 523
- 13 519	- 7 526	- 395		- 192	- 7 806	- 51 515	- 134	- 18 807	- 4 221	- 395 054	- 6 680	- 1 536 197
										- 13		- 2 704
						- 1 223				- 159		- 5 355
												- 9 752
												- 479
												- 795
- 623	- 616	- 1		- 53	- 247		- 26	- 44	- 59	- 1 310	- 37	- 9 966
- 457	- 9 803		- 76	- 115	- 829	- 1 549	- 429	- 1 242	- 311	- 1 771	- 108	- 38 069
- 13 558	- 23 900	- 1 492		- 3 058	- 2 737	- 160 959	- 7 611	- 11 935	- 23 992	- 190 402	- 7 062	- 593 679
- 170		- 39		- 136	- 106		- 670			- 17 382	- 45	- 56 527
- 1 612	- 9 866	- 340	- 631	- 684		- 110 146	- 1 138	- 8 953	- 8 502	- 29 368		- 402 488
	- 38	- 6		- 137		- 17 699		- 5 640	- 2 836	- 2 578		- 179 806
						- 6						- 6
	- 16	- 46				- 1 598		- 201		- 97		- 10 622
	- 100	- 132				- 241		- 402		- 684		- 22 999
						- 782						- 816
	- 14					- 31						- 208
				- 28		- 698	- 252	- 12		- 1 952		- 4 704
												- 3 253
- 22	- 224		- 123	- 90		- 1 969				- 37		- 5 639
	- 476		- 384	- 88		- 5 599	- 44	- 450	- 7	- 64		- 13 154
- 1 457	- 6 681	- 37	- 123	- 174		- 77 111	- 842	- 68	- 1 611	- 16 476		- 121 612
- 133	- 2 316	- 118		- 167		- 4 413		- 2 180	- 4 049	- 7 480		- 39 668

Power Generation Capacity - Total

MW

	1990	2000	2005	2010	2011	2012	2013	2014
Australia	38 451	46 204	50 142	60 068	61 939	64 246	64 026	66 557 920
Canada	104 141	111 324	123 211	132 375	132 959	132 598	132 598	140 340
Chile	5 099	9 894	12 586	16 231	17 549	18 153	18 600	22 809
China	137 891	319 321	509 410	962 180	1 064 550	1 144 750	1 247 280	N.A.
Hong Kong, China	8 342	11 568	11 804	12 624	12 624	12 625	12 625	12 626
Indonesia	9 275	20 762	27 664	32 896	39 899	45 253	50 990	53 536
Japan	188 700	253 594	274 262	281 082	282 284	285 643	287 060	287 060
Republic of Korea	21 021	53 693	66 537	84 700	84 654	94 276	91 997	99 830
Malaysia	5 582	13 762	23 626	24 817	25 599	29 143	29 748	23 199
Mexico	27 371	40 345	52 497	62 290	61 600	62 136	63 611	66 238
New Zealand	7 176	8 388	8 854	9 457	9 765	9 615	9 622	9 704
Papua New Guinea	490	543	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peru	4 143	6 070	6 201	8 000		9 699	11 051	10 269
The Philippines	6 869	13 185	15 619	13 319	16 162	17 025	17 325	17 944
Russia	213 400	212 771	219 043	222 935	222 984	232 685		
Singapore	3 667	6 610	10 106	10 265	10 222	10 488		12 896
Chinese Taipei	16 883	27 385	43 146	48 882	48 750	48 711	49 103	48 719
Thailand	8 725	20 802	26 269	31 486	31 486	33 178	34 973	34 973
United States	733 589	811 349	978 539	1 041 000	1 055 278	1 067 878	1 065 092	1 067 217
Viet Nam	2 537	6 192	11 340	N.A.	N.A.	N.A.	N.A.	N.A.

Power Generation Capacity - Thermal Power

MW

	1990	2000	2005	2010	2011	2012	2013	2014
Australia	30 130	36 945	40 815	49 028	49 626	50 459	49 509	49 977
Brunei Darussalam	334	763	759	888	894	723	915	919
Canada	31 201	33 183	37 174	40 424	38 939	34 660	34 660	34 174
Chile	2 421	5 464	7 360	10 576	11 419	11 957	12 105	16 049
China	101 845	237 540	384 130	706 630	768 520	819 170	862 380	N.A.
Hong Kong, China	8 342	11 568	11 804	12 624	12 624	12 625	12 625	12 625
Indonesia	7 040	17 386	23 453	27 973	34 717	39 732	44 443	46 857
Japan	119 303	161 869	177 472	181 736	182 382	185 309	188 904	188 904
Republic of Korea	11 065	36 817	45 365	60 389	58 303	65 538	62 565	68 549
Malaysia	4 185	11 708	21 242	22 488	22 515	24 994	24 973	17 520
Mexico	18 155	28 441	39 540	47 736	47 070	46 707	48 047	48 797
New Zealand	2 296	2 741	2 886	2 929	3 138	2 988	2 738	2 661
Papua New Guinea	335	319	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peru	1 744	3 210	2 938	4 682		5 828	7 414	6 464
The Philippines	3 661	8 953	10 393	9 041	10 772	11 504	11 784	12 047
Russia	149 700	146 670	149 915	151 114	151 114	157 845		
Singapore	3 667	6 610	10 106	10 261	10 216	10 478		12 607
Chinese Taipei	9 177	17 819	32 756	37 924	37 632	37 063	37 242	36 607
Thailand	6 451	17 865	20 575	25 109	25 201	28 859	30 119	30 119
United States	536 667	610 124	767 316	793 551	798 833	793 352	787 297	773 288
Viet Nam	1 362	2 900	4 382	N.A.	N.A.	N.A.	N.A.	N.A.

Power Generation Capacity - Total

MW

	1990	2000	2005	2010	2011	2012	2013	2014
Australia	38 451	46 204	50 142	60 068	61 939	64 246	64 026	66 557 920
Canada	104 141	111 324	123 211	132 375	132 959	132 598	132 598	140 340
Chile	5 099	9 894	12 586	16 231	17 549	18 153	18 600	22 809
China	137 891	319 321	509 410	962 180	1 064 550	1 144 750	1 247 280	N.A.
Hong Kong, China	8 342	11 568	11 804	12 624	12 624	12 625	12 625	12 626
Indonesia	9 275	20 762	27 664	32 896	39 899	45 253	50 990	53 536
Japan	188 700	253 594	274 262	281 082	282 284	285 643	287 060	287 060
Republic of Korea	21 021	53 693	66 537	84 700	84 654	94 276	91 997	99 830
Malaysia	5 582	13 762	23 626	24 817	25 599	29 143	29 748	23 199
Mexico	27 371	40 345	52 497	62 290	61 600	62 136	63 611	66 238
New Zealand	7 176	8 388	8 854	9 457	9 765	9 615	9 622	9 704
Papua New Guinea	490	543	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peru	4 143	6 070	6 201	8 000		9 699	11 051	10 269
The Philippines	6 869	13 185	15 619	13 319	16 162	17 025	17 325	17 944
Russia	213 400	212 771	219 043	222 935	222 984	232 685		
Singapore	3 667	6 610	10 106	10 265	10 222	10 488		12 896
Chinese Taipei	16 883	27 385	43 146	48 882	48 750	48 711	49 103	48 719
Thailand	8 725	20 802	26 269	31 486	31 486	33 178	34 973	34 973
United States	733 589	811 349	978 539	1 041 000	1 055 278	1 067 878	1 065 092	1 067 217
Viet Nam	2 537	6 192	11 340	N.A.	N.A.	N.A.	N.A.	N.A.

Power Generation Capacity - Thermal Power

MW

	1990	2000	2005	2010	2011	2012	2013	2014
Australia	30 130	36 945	40 815	49 028	49 626	50 459	49 509	49 977
Brunei Darussalam	334	763	759	888	894	723	915	919
Canada	31 201	33 183	37 174	40 424	38 939	34 660	34 660	34 174
Chile	2 421	5 464	7 360	10 576	11 419	11 957	12 105	16 049
China	101 845	237 540	384 130	706 630	768 520	819 170	862 380	N.A.
Hong Kong, China	8 342	11 568	11 804	12 624	12 624	12 625	12 625	12 625
Indonesia	7 040	17 386	23 453	27 973	34 717	39 732	44 443	46 857
Japan	119 303	161 869	177 472	181 736	182 382	185 309	188 904	188 904
Republic of Korea	11 065	36 817	45 365	60 389	58 303	65 538	62 565	68 549
Malaysia	4 185	11 708	21 242	22 488	22 515	24 994	24 973	17 520
Mexico	18 155	28 441	39 540	47 736	47 070	46 707	48 047	48 797
New Zealand	2 296	2 741	2 886	2 929	3 138	2 988	2 738	2 661
Papua New Guinea	335	319	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peru	1 744	3 210	2 938	4 682		5 828	7 414	6 464
The Philippines	3 661	8 953	10 393	9 041	10 772	11 504	11 784	12 047
Russia	149 700	146 670	149 915	151 114	151 114	157 845		
Singapore	3 667	6 610	10 106	10 261	10 216	10 478		12 607
Chinese Taipei	9 177	17 819	32 756	37 924	37 632	37 063	37 242	36 607
Thailand	6 451	17 865	20 575	25 109	25 201	28 859	30 119	30 119
United States	536 667	610 124	767 316	793 551	798 833	793 352	787 297	773 288
Viet Nam	1 362	2 900	4 382	N.A.	N.A.	N.A.	N.A.	N.A.

Power Generation Capacity - Others

MW

	1990	2000	2005	2010	2011	2012	2013	2014
Australia		58	792	2 267	3 525	4 997	6 480	8 532
								1
Canada	21	119	714	4 208	5 782	9 031	9 031	13 600
Chile			2	188	184	204	401	517
China		329	1 920	31 330	50 070	64 110	90 270	N.A.
Hong Kong, China								1
Indonesia	140	360	800	1 190	1 237	1 375	1 381	1 450
Japan	270	617	1 765	2 533	2 831	2 956	3 074	3 074
Republic of Korea		11	113	1 070	1 217	1 575	2 262	4 098
Malaysia			293	221	228	832	859	905
Mexico	703	886	994	1 563	1 519	2 169	2 511	3 577
New Zealand	261	454	622	1 274	1 373	1 373	1 621	1 780
Papua New Guinea			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peru		1	55			387	81	278
The Philippines	1 055	1 931	2 004	1 364	1 900	2 001	2 021	2 354
Russia		26	89	91	91	91		
Singapore				4	6	10		290
Chinese Taipei	1 000		735	1 234	1 332	1 821	2 033	2 285
Thailand		1	2 218	2 889	2 797	811	1 330	1 330
United States	4 919	5 765	12 348	45 259	54 082	71 535	76 966	93 198
Viet Nam			2 803	N.A.	N.A.	N.A.	N.A.	N.A.

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A. Definition of products

Coal

This section includes coal, i.e. solid fossil fuel consisting of carbonised vegetal matter, and coal products derived directly or indirectly from the various classes of coal by carbonisation or pyrolysis processes, by the aggregation of finely divided coal or by chemical reactions with oxidising agents, including water.

1. Anthracite

A high-rank, hard coal with a gross calorific value (moist, ash-free basis) greater than or equal to 24 MJ/kg and a vitrinite mean random reflectance greater than or equal to 2.0 per cent.

2. Coking coal

A bituminous coal that can be used in the production of a coke capable of supporting a blast furnace charge.

3. Bituminous coal

A medium-rank hard coal with either a gross calorific value (moist, ash-free basis) not less than 24 MJ/kg and with a vitrinite mean random reflectance less than 2.0 per cent, or a gross calorific value (moist, ash-free basis) less than 24 MJ/kg provided that the vitrinite mean random reflectance is equal to or greater than 0.6 per cent.

4. Sub-bituminous coal

A brown coal with a gross calorific value (moist, ash-free basis) equal to or greater than 20 MJ/kg but less than 24 MJ/kg.

5. Lignite

A brown coal with a gross calorific value (moist, ash-free basis) less than 20 MJ/kg.

6. Peat

A solid formed from the partial decomposition of dead vegetation under conditions of high humidity and limited air access (initial stage of coalification). It is available in two forms for use as a fuel, sod peat and milled peat.

7. Patent fuel

A composition fuel made by moulding hard coal fines into briquette shapes with the addition of a binding agent.

8. Coke oven coke

Coke comprises coke oven coke and gas coke.

- **Coke oven coke:** the solid product obtained from carbonisation of coking coal at high temperature. Coke oven coke is low in moisture, and volatile matter and has the mechanical strength to support a blast furnace charge. It is used mainly in the iron and steel industry acting as heat source and chemical agent.
- **Gas coke:** a by-product from the carbonisation of bituminous coal for the manufacture of "gas works gas". Gas coke is used mainly for heating purposes.

9. Coal tar

The liquid by-product of the carbonisation of coal in coke ovens.

10. BKB/PB (Braunkohlenbriketts/Peat briquettes)

BKB is a composition fuel made of brown coal produced by briquetting under high pressure with or without the addition of a binding agent.

Peat briquette is a fuel comprising of small blocks of dried, highly compressed peat made without a binding agent.

11. Gas works gas

This group includes gases obtained from the carbonisation or gasification of carbonaceous material of fossil or biomass origins in gas works. The gases comprise: (a) gases obtained from carbonisation or gasification of coals, cokes, biomass or waste; and (b) substitute natural gas (a methane-rich gas) made from synthesis gas.

12. Coke oven gas

A gas produced from coke ovens during the manufacture of coke oven coke.

13. Blast furnace gas

The by-product gas of blast furnace operation

consisting mainly of nitrogen, carbon dioxide and carbon monoxide. The gas is recovered as it leaves the furnace. Its calorific value arises mainly from the carbon monoxide produced by the partial combustion of coke and other carbon bearing products in the blast furnace. It is used to heat blast air and as a fuel in the iron and steel industry. It may also be used by other nearby industrial plants. Note that where carbonised biomass (e.g, charcoal or animal meal) is used in blast furnaces, part of the carbon supply may be considered renewable.

14. Oxygen steel furnace gas

The by-product gas of the production of steel in a basic oxygen furnace. The gas is recovered as it leaves the furnace.

Oil

1. Crude oil

A mineral oil of fossil origin extracted by conventional means from underground reservoirs, and comprises liquid or near-liquid hydrocarbons and associated impurities such as sulphur and metals.

It exists in the liquid phase under normal surface temperature and pressure, and usually flows to the surface under the pressure of the reservoir. This is termed "conventional" extraction. Crude oil includes condensate from condensate fields, and "field" or "lease" condensate extracted with the crude oil.

2. Natural gas liquids (NGL)

Mixture of ethane, propane, butane (normal and iso), (iso) pentane and a few higher alkanes collectively referred to as pentanes plus.

NGL are produced in association with oil or natural

gas. They are removed in field facilities or gas separation plants before sale of the gas. All of the components of NGL except ethane are either liquid at the surface or are liquefied for disposal.

3. Refinery feedstocks

Oils or gases from crude oil refining or the processing of hydrocarbons in the petrochemical industry which are destined for further processing in the refinery excluding blending. Typical feedstocks include naphthas, middle distillates, pyrolysis gasoline and heavy oils from vacuum distillation and petrochemical plants.

4. Additives/Oxygenates

Compounds added to or blended with oil products to modify their properties (octane, cetane, cold properties, etc.) Examples of these products are: (a)

oxygenates such as alcohols (methanol, ethanol) and ethers such as methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME); (b) esters such as (e.g., rapeseed or dimethylester, etc.) and (c) chemical compounds such as tetramethyllead (TML), tetraethyllead (TEL) and detergents. Some additives and oxygenates may be derived from biomass while others may be of hydrocarbon origin.

5. Biofuels

Fuels derived directly or indirectly from biomass.

- **Biogasoline:** liquid fuels derived from biomass and used in spark-ignition internal combustion engines.
- **Biodiesel:** liquid biofuels derived from biomass and used in diesel engines.
- **Bio-jet kerosene:** liquid biofuels derived from biomass and blended with or replacing jet kerosene.
- **Bioethanol:** ethanol produced from biomass and/or biodegradable fraction of waste;
- **Biomethanol:** methanol produced from biomass and/or the biodegradable fraction of waste;
- **Biodimethylether:** a diesel quality fuel produced from biomass and/or the biodegradable fraction of waste;
- **Bio-oil:** a pyrolysis oil fuel produced from biomass

6. Other hydrocarbons

These are non-conventional oil and hydrogen. Non-conventional oils refer to oils obtained by non-conventional production techniques, that is oils which are extracted from reservoirs containing extra heavy oils or oil sands which need heating or treatment (e.g., emulsification) in situ before they can

be brought to the surface for refining/processing. They also include oils extracted from oil sands, extra heavy oils, coal and oil shale which are at, or can be brought to the surface without treatment and require processing after mining (ex situ processing). Non-conventional oils may also be produced from natural gas. Hydrogen, although not a hydrocarbon, is included unless it is a component of another gas.

7. Refinery gas (not liquefied)

A mixture of non-condensable gases mainly consisting of hydrogen, methane, ethane and olefins obtained during distillation of crude oil or treatment of oil products (e.g., cracking) in refineries or from nearby petrochemical plants. It is used mainly as a fuel within the refinery.

8. Ethane

A naturally gaseous straight-chain hydrocarbon (C₂H₆). Ethane is obtained at gas separation plants or from the refining of crude oil. It is a valuable feedstock for petrochemical manufacture.

9. Liquefied petroleum gases (LPG)

Refers to liquefied propane (C₃H₈) and butane (C₄H₁₀) or mixtures of both. Commercial grades are usually mixtures of the gases with small amounts of propylene, butylene, isobutene and isobutylene stored under pressure in containers.

10. Naphtha

Refers to light or medium oils distilling between 30°C and 210°C which do not meet the specification for motor gasoline. The main uses for naphthas are as feedstock for high octane gasolines and the manufacture of olefins in the petrochemical industry.

11. Gasolines

Complex mixtures of volatile hydrocarbons distilling between approximately 25°C and 220°C and consisting of compounds in the C₄ to C₁₂ range.

- **Motor gasoline:** motor gasoline is a mixture of some aromatics (for example, benzene and toluene) and aliphatic hydrocarbons in the C₅ to C₁₂ range. The distillations range is 25°C to 220°C. Motor gasoline may also contain biogasoline products.
- **Aviation gasoline:** aviation gasoline is gasoline prepared especially for aviation piston engines with additives which assure performance under flight conditions. Aviation gasolines are predominantly alkylates (obtained by combining C₄ and C₅ isoparaffins with C₃, C₄ and C₅ olefins) with the possible addition of more aromatic components including toluene. The distillation range is 25°C to 170°C.
- **Gasoline-type jet fuel:** this includes all light hydrocarbon oils for use in aviation turbine power units, distilling between 100°C and 250°C. They are obtained by blending kerosene and gasoline or naphtha in such a way that the aromatic content does not exceed 25% in volume and the vapor pressure is between 13.7 kilopascal (kPa) and 20.6 kPa.

12. Kerosenes

Comprise kerosene-type jet fuel and other kerosene. This is a mixture of hydrocarbons in the range C₉ to C₁₆ distilling over the temperature interval 145°C to 300°C, but not usually above 250°C, and with a flash point above 38°C.

- **Kerosene type jet fuel:** this is a blend of kerosene suited to flight conditions with particular specifications, such as freezing point. The specifications are set down by a small number of national standards committees, most notably, ASTM (US), MOD (UK), GOST (Russia).
- **Other kerosene:** kerosene used for heating, cooking, lighting, solvents and internal combustion engines. Other names of this

product are burning oil, vaporising oil, power kerosene and illuminating oil.

13. Gas/Diesel oil (Distillate fuel oil)

Middle distillates, predominantly of carbon number range C₁₁ to C₂₅ and with a distillation range of 160°C to 420°C. This product comprises road diesel and heating or other gas oil.

14. Fuel oil

This comprises residual fuel oil and heavy fuel oil which is usually a blended product based on the residues from various refinery, distillation and cracking processes. Residual fuel oils A-5 have a distillation range of 350°C to 650°C and a kinematic viscosity in the range 6 to 55 centistokes (cSt) at 100°C. Their flash point is always above 60°C and their specific gravity is above 0.95.

15. White spirit and SBP

White spirit and special boiling point industrial spirits (SBP) are refined distillate intermediates with a distillation in the naphtha/kerosene range. They are mainly used for non-fuel purposes and sub-divided as: (a) white spirit - an industrial spirit with a flash point above 30°C and a distillation range of 135°C to 200°C; and (b) industrial spirit (SBP) – light oils distilling between 30°C and 200°C.

16. Lubricants

Oils, produced from crude oil, for which the principal use is to reduce friction between sliding surfaces and during metal cutting operations.

17. Bitumen

A solid, semi-solid or viscous hydrocarbon with a colloidal structure, being brown to black in color. It is obtained as a residue in the distillation of crude oil and by vacuum distillation of oil residues from atmospheric distillation. It should not be confused with the nonconventional primary extra heavy oils

which may also be referred to as bitumen.

18. Paraffin waxes

Residues extracted when dewaxing lubricant oils. The waxes have a crystalline structure which varies in fineness according to the grade, and are colourless, odourless and translucent, with a melting point above 45°C.

19. Petroleum coke

A black solid obtained mainly by cracking and carbonising heavy hydrocarbon oils, tars and pitches. It consists mainly of carbon (90 to 95 per cent) and has a low ash content. The two most important categories are "green coke" and "calcined coke". Green coke (raw coke) is the primary solid

carbonisation product from high boiling hydrocarbon fractions obtained at temperatures below 630°C. It contains 4-15 per cent by weight of matter that can be released as volatiles during subsequent heat treatment at temperatures up to approximately 1330°C. Calcined coke is a petroleum coke or coal-derived pitch coke obtained by heat treatment of green coke to about 1330°C. It will normally have a hydrogen content of less than 0.1 per cent by weight.

20. Other products

Other products include products (including partly refined products) from the refining of crude oil and feedstocks which are not specified above.

Gas

1. Natural gas

A mixture of gaseous hydrocarbons, primarily methane, but generally also including ethane, propane and higher hydrocarbons in much smaller amounts and some noncombustible gases such as nitrogen and carbon dioxide.

- **Associated gas:** gas produced in association with crude oil.
- **Non-associated gas:** gas originating from fields producing hydrocarbons only in gaseous form.
- **Colliery gas:** gas recovered from coal mines.
- **Shale gas:** natural gas produced from

hydrocarbon rich shale formation. Shale gas is typically a dry gas primarily composed of methane (90% or more methane), but some formations do produce wet gas.

- **Coal seam gas:** Coal seam gas (also known as coal bed methane) is a form of natural gas extracted from coal seams.

2. LNG

Liquid natural gas is produced by liquefaction of natural gas, liquefied by reducing its temperature in order to simplify storage and transportation when production sites are remote from centres of consumption and pipeline transportation is not economically practicable.

New and renewable energy

1. Fuelwood

Fuelwood (in log, brushwood, pellet or chip form) obtained from natural or managed forests or isolated trees. Also included are wood residues used as fuel and in which the original composition of wood is retained. Charcoal and black liquor are excluded.

2. Woodwaste

Yard trash and types of waste typically generated by sawmills, plywood mills, and woodyards associated with the lumber and paper industry, such as wood residue, cutoffs, wood chips, sawdust, wood shavings, bark, wood refuse, wood-fired boiler ash, and plywood or other bonded materials that contain only phenolic-based glues or other glues that are approved specifically by the administrative authority.

3. Bagasse

Fuel obtained from the fibre which remains after juice extraction in sugar cane processing.

4. Charcoal

The solid residue from the carbonisation of wood or other vegetal matter through slow pyrolysis.

5. Other biomass

All other solid biomass products not specifically mentioned above. This includes agricultural wastes such as straw, rice husks, nut shells, poultry litter, crushed grape dregs, palm oil bunches, etc. The quantity of fuel used should be reported on a net calorific value basis.

6. Biogas

Gases arising from the anaerobic fermentation of biomass and the gasification of solid biomass (including biomass in wastes).

- **Landfill gas:** biogas from the anaerobic fermentation of organic matter in landfills.

- **Sewage sludge gas:** biogas from the anaerobic fermentation of waste matter in sewage plants.
- **Other biogas:** other biogases from anaerobic fermentation not elsewhere specified.

7. Industrial waste

Non-renewable waste which is combusted with heat recovery in plants other than those used for the incineration of municipal waste.

8. Municipal solid waste (renewables)

Household waste and waste from companies and public services that resembles household waste and which is collected at installations specifically designed for the disposal of mixed wastes with recovery of combustible liquids, gases or heat.

9. Liquid Biofuels

Liquids derived from biomass and used as fuels.

- **Biogasoline** refers to liquid fuels derived from biomass and used in spark- ignition internal combustion engines. Biogasoline may be blended with petroleum gasoline or used directly in engines. The blending may take place in refineries or at or near the point of sale.
- **Bioethanol** refers to ethanol produced from biomass.
- **Biodiesel** refers to liquid biofuels derived from biomass and used in diesel engines. Biodiesels may be blended with petroleum diesel or used directly in diesel engines.
- **Bio-jet kerosene** refers to liquid biofuels derived from biomass and blended with or replacing jet kerosene.

10. Hydro

Electricity produced from devices driven by fresh,

flowing or falling water.

11. Geothermal

Electricity and heat generation produced from geothermal plants.

12. Solar

- **Electricity from solar photovoltaics** refers to electricity produced by the direct conversion of solar radiation through photovoltaic processes in semiconductor devices (solar cells), including concentrating photovoltaic systems.
- **Heat from concentrating solar thermal** refers to high temperature heat produced from solar radiation captured by concentrating solar

thermal systems. The high temperature heat can be transformed to generate electricity, drive chemical reactions, or be used directly in industrial processes.

- **Heat from non-concentrating solar thermal** refers to low temperature heat produced from solar radiation captured by non-concentrating solar thermal systems.

13. Tide/wave/ocean

Electricity generation produced from tide / wave / ocean.

14. Wind energy

Electricity produced from devices driven by wind.

Electricity and heat

1. Thermal

Electricity and heat generation from combustible fuels such as coal, oil and gas.

2. Hydro

Power generation from hydro plants, including pumped up (pumped storage) plants.

3. Nuclear

Electricity and heat generation from nuclear plants.

4. Geothermal

Electricity and heat generation from geothermal plants.

5. Renewable energy

Electricity and heat generation from solar, biomass, and waste and electricity generation from tide, wave, ocean and wind.

▫ Solar

- **Electricity:** quantity of electricity generated by solar photovoltaic and from solar thermal systems.
- **Heat:** solar energy exploited for hot water production by: Flat plate collectors, mainly of the thermosyphon type, for domestic hot water or for the seasonal heating of swimming pools.

Note: Passive solar energy for the direct heating, cooling and lighting dwellings or other buildings is not included.

- **Tide, wave, ocean:** electricity generation produced from tide / wave / ocean.
- **Wind:** electricity produced from devices driven by wind.
- **Biomass:** electricity and heat produced by fuelwood, woodwaste, bagasse, other biomass, biogas and liquid biofuels.

- **Waste:** electricity and heat produced by industrial waste and municipal solid waste.

6. Others

Electricity and heat generation from other fuel sources such as fuel cells, etc.

B. Definition of flows

Supply sector

Domestic supply is defined as *indigenous production + from other sources + imports - exports - international marine bunkers - international aviation bunkers ± stock changes*.

1. Production

Production is defined as the capture, extraction or manufacture of fuels or energy in forms which are ready for general use. In energy statistics, two types of production are distinguished, primary and secondary. *Primary production* is the capture or extraction of fuels or energy from natural energy flows, the biosphere and natural reserves of fossil fuels within the national territory in a form suitable for use. Inert matter removed from the extracted fuels and quantities reinjected, flared or vented are not included. The resulting products are referred to as "primary" products. *Secondary production* is the manufacture of energy products through the process of transformation of primary fuels or energy. The quantities of secondary fuels reported as production include quantities lost through venting and flaring during and after production. In this manner, the mass, energy and carbon within the primary source(s) from which the fuels are manufactured may be balanced against the secondary fuels produced. Fuels, electricity and heat produced are usually sold but may be partly or entirely consumed by the producer.

There are a few specificities according to the fuels:

- **Oil:** production includes only marketable production, and excludes volumes returned to formation. Such production should include all crude oil, NGL, condensates and oil from shale and tar sand, etc. It should also include the

receipts of additives/ oxygenates by refineries and blending plants from outside the refinery sector.

- **Natural gas:** all dry marketable production is measured after purification and extraction of NGLs and sulphur. Quantities reinjected, vented or flared, are not included. Production includes quantities used within the natural gas industry; in gas extraction, pipeline systems and processing plants.

Calculation of production of hydro, geothermal, solar, wind, etc. and nuclear follows some conventions used by selected international organisations.

As regards the production of secondary energy in the basic energy statistics, production of secondary oil products represents the gross refinery output. Secondary coal products and gases represent the output from coke ovens, gas works, blast furnaces and other transformation processes. In the energy balances production of secondary products is zero and the gross refinery output is included in the transformation sector.

Production from other sources: production from other sources refers to both primary energy that has not been accounted for under production and secondary energy that has been accounted for in the production of another fuel. There are a few examples:

- additives and other hydrocarbons produced from coal, gas or renewables;
- oil and coal used in natural gas blending plants to adjust calorific value;
- recovered slurries, middling and other low

grade coal products which cannot be classified according to the main categories of coal.

2. Imports and exports

Imports of energy products comprise all fuel and other energy products entering the national territory. Goods simply being transported through a country (goods in transit) and goods temporarily admitted are excluded but re-imports, which are domestic goods exported but subsequently readmitted, are included. The bunkering of fuel outside the reference territory by national merchant ships and civil aircraft engaged in international travel is excluded from imports. Fuels delivered to national merchant ships and civil aircraft which are outside of the national territory and are engaged in international travel should be classified as "international marine" or "aviation bunkers", respectively, in the country where such bunkering is carried out. Note that the "country of origin" of energy products should be recorded as a country from which goods were imported.

Exports of energy products comprise all fuel and other energy products leaving the national territory with the exception that exports exclude quantities of fuels delivered for use by merchant (including passenger) ships and civil aircraft, of all nationalities, during international transport of goods and passengers. Goods simply being transported through a country (goods in transit) and goods temporarily withdrawn are excluded but re-exports, foreign goods exported in the same state as previously imported, are included. Fuels delivered to foreign merchant ships and civil aircraft engaged in international travel are classified as "international marine" or "aviation bunkers", respectively. Note that "country of destination" of energy products (that is country of the last known destination as it is known at the time of exportation) should be recorded as a

country to which these products are exported to.

Quantities of crude oil and products imported or exported under processing agreements (i.e. refining on account) should be included. Crude oil and NGLs should be reported as coming from the economy of ultimate origin; refinery feedstocks and finished products should be reported as coming from the economy of last consignment. Any gas liquids (e.g. LPG) extracted during the regasification of imported liquefied natural gas should be included as imports. Petroleum products imported or exported directly by the petrochemical industry should be included.

Note: Imports or exports of ethanol (reported in the Additives/Oxygenate column) should relate to the quantities destined for fuel use.

- Re-exports of oil imported for processing within bonded areas should be included as an export of product from the processing economy to the final destination.

3. International marine bunkers

International marine bunkers are quantities of fuels delivered to merchant (including passenger) ships, of any nationality, for consumption during international voyages transporting goods or passengers. International voyages take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by ships during domestic transportation, fishing or military uses are not included here. For the purposes of energy statistics, International marine bunkers are not included in exports. Consumption of warships should be included in final consumption under other sector, not elsewhere specified. Consumption by ships engaged in fishing and in transport in inland and coastal waters is not included.

4. International aviation bunkers

International aviation bunkers are quantities of fuels

delivered to civil aircraft, of any nationality, for consumption during international flights transporting goods or passengers. International flights take place when the ports of departure and arrival are in different national territories. Fuels delivered for consumption by aircraft undertaking domestic or military flights are not included here. 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.

5. Stock changes

Stocks are quantities of energy products that can be held and used to: (a) maintain service under conditions where supply and demand are variable in their timing or amount due to normal market fluctuations, or (b) supplement supply in the case of a supply disruption. Stocks used to manage a supply disruption may be called "strategic" or "emergency" stocks and are often held separately from stocks designed to meet normal market fluctuations. Stock changes are defined as the increase (stock build) or decrease (stock draw) in the quantity of stock over the reporting period. They are calculated as a

difference between the opening and closing stocks.

6. Transfers

This refers to products transferred and inter-product transfers. *Product transferred* refers to the reclassification (renaming) of products which is necessary when finished oil products are used as feedstock in refineries. *Interproduct transfers* refer to the movements of fuels between product categories because of reclassification of a product which no longer meets its original specification. The transferred product is often blended with its host. For example, quantities of kerosene may be reclassified as gas oil after blending with the latter in order to meet its winter diesel specification.

7. Statistical difference

This is the difference between calculated and observed gross inland deliveries. National Administrations sometimes obtain the data components of domestic availability from a variety of sources. Owing to differences in concepts, coverage, timing and definitions, observed and calculated gross inland deliveries are often not identical.

Transformation sector

Transformation is the process where the movement of part or all of the energy content of a product entering a process to one or more different products leaving the process (e.g. coking coal to coke, crude oil to petroleum products, and heavy fuel oil to electricity). The transformation can take place in various plants including: electricity plants, combined heat and power plants, heat plants, blast furnace/gas works, coke/patent fuel/BKB plants, petroleum refineries, petrochemical industry, liquefaction plants, and other plants.

1. Electricity plants

Electricity plants refer to plants producing only electricity. The electricity may be obtained directly from natural sources such as hydro, geothermal, wind, tidal, marine, solar energy or from fuel cells or from the heat obtained from the combustion of fuels or nuclear reactions.

2. Combined heat and power plants (CHP)

Combined heat and power plants refer to plants which produce both heat and electricity from at least one generating unit in the plant. They are sometimes

referred to as “co-generation” plants. Both main activity producer (formerly known as public) and autoproducer plants are included here.

3. Heat plants

Heat plants refer to plants (including heat pumps and electric boilers) designed to produce heat only for deliveries to third party. Both main activity producer (formerly known as public) and autoproducer plants are included here. Deliveries of fuels for heat generated by an establishment for its own use are classified within the part of final consumption where they are consumed.

4. Blast furnaces

Blast furnaces are furnaces which produce blast furnace gas as a by-product when making pig iron from iron ore. During the process, carbon, mainly in the form of coke, is added to the blast furnace to support and reduce the iron oxide charge and provide heat. Blast furnace gas comprises carbon monoxide and other gases formed during the heating and reduction process.

5. Gas works

Gas works plants are for the production of town gas/gas work gas by carbonisation (including gas produced by coke ovens and transferred to gas works gas), by total gasification with or without enrichment with oil products (LPG, residual fuel oil, etc.) and by reforming and simple mixing of gases and/or air.

6. Coke ovens

Coke ovens are facilities for the carbonisation of coal, principally coking coal, at high temperature. The transformation process provide for the production of coke and by-products such as coke oven gas and coal tar.

7. Patent fuel plants

Patent fuel plants are for the manufacturing of a composition fuel made of hard coal fines and addition of a binding agent.

8. BKB plants

BKB (brown coal briquettes) plants are for the manufacturing of a composition fuel made of lignite/brown coal (including dried lignite fines and dust) produced by briquetting under high pressure without the addition of a binding agent. This includes peat briquettes plants which produce a similar composition fuel using peat.

9. Petroleum refineries

Petroleum refineries are industrial plants which transform crude oil and other hydrocarbons into finished oil products. Typical finished products are liquefied petroleum gases, naphtha, motor gasoline, gas oils, aviation fuels and other kerosene, and fuel oils.

10. Petrochemical industry

Petrochemical industries are industrial plants which convert hydrocarbon feedstock into organic chemicals, intermediate compounds and finished products such as plastics, fibres, solvents and surfactants. Feedstock used by the plant is usually obtained from the refinery and includes naphtha, ethane, propane and middle distillate oils (for example, gas oil). Quantities of backflows or petroleum products returned from the petrochemical sector, whether returned to refineries for further processing/blending or used directly. Note: energy use in the petrochemical sector is reported in the Energy sector, non-energy use is shown in the chemical/petrochemical industrial sector as non-energy.

11. Liquefaction plants

Liquefaction plants include diverse liquefaction

processes, such as coal liquefaction plants and gas-to-liquid plants. Coal liquefaction plants are facilities where coal is used to produce liquid fuels suitable for transportation applications by the removal of carbon or addition of hydrogen, either directly or indirectly.

12. Natural gas blending plants

These are plants, separate from gas works, in which substitute natural gas, petroleum gases or biogases are mixed with natural gas for distribution in the gas mains. Where blending of substitute natural gas with natural gas takes place within gas works the blending

is considered part of the gas works process.

13. Charcoal production plants

Charcoal plants are facilities in which wood or other vegetal matter is carbonised through slow pyrolysis to produce charcoal.

14. Other transformation plants

Other transformation plants represent other energy transformation processes not already covered by the list of definition.

Energy sector

The energy sector covers ISIC Divisions 05, 06, 19 and 35. The energy sector includes the manufacture of chemical materials for atomic fission and fusion and the products of these processes. Fuels used in the manufacture of fuel briquettes and packaged fuel from coal or lignite and consumption in coke ovens and other transformation industries should also be reported here.

The energy sector is divided into the following sub-sectors: coal mines, patent fuel plants, coke ovens, gas work plants, natural gas blending plants, blast furnaces, BKB/PB plants, petroleum refineries, electricity, CHP and heat plants, liquefaction plants,

not elsewhere specified and distribution losses.

Fuels used by the energy industry to support the extraction (mining, oil and gas production) or transformation activity are reported in this category. For example: fuel used for heating, lighting, or operating pumps/compressors, or used as inputs fuel into furnaces or ovens. Note that quantities of fuels transformed into another energy form should be reported under the transformation sector. Consumption used in support of the operation of pipelines (oil, gas and coal slurry) should be reported in the transport sector.

Final energy consumption sector

The term final consumption (equal to the sum of the consumption in the end-use sectors: industry, transport, residential, commercial/public services, agriculture/ forestry, fishing and non-specified) implies that energy used for transformation and for own use of the energy producing industries is excluded. Final consumption reflects for the most part deliveries to consumers. It includes consumption for both energy and non-energy

purposes.

1. Industry sector

Industry sector covers all industrial undertakings as enumerated below. Sectors included are iron and steel; chemical including petrochemical; non-ferrous metals; non-metallic mineral products; transport equipment; machinery; mining (excluding energy producing industries) and quarrying; food

processing, beverages and tobacco; pulp, paper and printing; wood and wood products (other than pulp and paper); construction; textile and leather; not elsewhere specified.

1.1 Iron and steel

Covers ISIC Group 241 and Class 2431. The consumption in coke ovens and blast furnaces are defined as part of transformation processes and energy industry own use.

1.2 Chemical including petrochemical

Refers to ISIC Division 20 and 21, excluding ISIC 2011. The consumption by plants manufacturing charcoal or enrichment/production of nuclear fuels is excluded, as these plants are considered part of the energy industries.

- Includes manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary forms (ISIC 201)
- Other chemical products (ISIC 202), Man-made fibers (ISIC 203)

1.3 Non-ferrous metals

Refers to ISIC Group 242 and Class 2432.

- Manufacture of precious and non-ferrous metals (ISIC 242)
- Casting of non-ferrous metals (ISIC Class 2432)

1.4 Non-metallic minerals products

Covers ISIC Division 23, i.e.: Glass, ceramic, cement and other building materials industries.

- Manufacture of glass and glass products (ISIC 231)
- Non-metallic mineral products (ISIC 239) such as ceramics, tiles, baked clay products and cement

1.5 Transport equipment

Covers ISIC Division 29 and 30, i.e.:

- Manufacture of motor vehicles (ISIC 291) bodies for motor vehicles and semi-trailers (ISIC 292)
- Manufacture of parts and accessories for motor vehicles (ISIC 293)
- Building of ships and boats (ISIC 301)
- Manufacture of railway locomotives and rolling stock (ISIC 302)
- Manufacture of air and spacecraft and related machinery (ISIC 303)
- Manufacture of transport equipment not elsewhere classified (ISIC 309)

1.6 Machinery

Refers to Fabrication of metal products, machinery and equipment other than transport equipment. ISIC Division 25, 26, 27 and 28.

Includes manufacture of:

- Structural metal products, tanks, reservoirs and steam generators (ISIC 251)
- Weapons and ammunition (ISIC 252)
- Other fabricated metal products; metalworking service activities (ISIC 259)
- Electronic components and boards (ISIC 261)
- Computers and peripheral equipment (ISIC 262)
- Communication equipment (ISIC 263)
- Consumer electronics (ISIC 264)
- Measuring, testing, navigating and control equipment; watches and clocks (ISIC 265)
- Irradiation, electromedical and electrotherapeutic equipment (ISIC 266)
- Optical instruments and photographic equipment (ISIC 267)
- Magnetic and optical media (ISIC 268)
- Electric motors, generators and transformers and electricity distribution and control apparatus (ISIC 271)
- Batteries and accumulators (ISIC 272)
- Wiring and wiring devices (ISIC 273)
- Electric lighting equipment (ISIC 274)

- Domestic appliances (ISIC 275)
- Other electrical equipment (ISIC 279)
- General purpose machinery (ISIC 281)
- Special purpose machinery (ISIC 282)

1.7 Mining (excluding energy producing industries) and quarrying

Refers to ISIC Divisions 13 and 14, i.e.:

- Mining of iron ores (ISIC 131)
- Mining of non-ferrous metal ores (ISIC 132)
- Quarrying of stone, sand and clay (ISIC 141)
- Mining and quarrying not elsewhere classified (ISIC 142)

1.8 Food, beverages and tobacco

Refers to ISIC Division 10, 11 and 12, i.e.:

- Processing and preserving of meat, fish, crustaceans and molluscs, fruit and vegetables (ISIC 101, 102, 103)
- Manufacture of vegetable and animal oils fats, dairy products (ISIC 104, 105)
- Manufacture of grain mill products, starches and starch products (ISIC 106)
- Manufacture of other food products (ISIC 107)
- Manufacture of prepared animal feeds (ISIC 108)
- Manufacture of beverages (ISIC 110)
- Manufacture of tobacco products (ISIC 120)

1.9 Pulp, paper and printing

Refers to ISIC Division 17 and 18. Includes production of recorded media.

- Manufacture of paper and paper products (ISIC 170)
- Printing and service activities related to printing (ISIC 181)
- Reproduction of recorded media (ISIC 182)

1.10 Wood and wood products (other than pulp and paper)

Refers to ISIC Division 16, i.e.:

- Sawmill and planing of wood (ISIC 161)

- Manufacture of products of wood, cork, straw and plaiting materials (ISIC 162)

1.11 Construction

Refers to ISIC Division 41, 42 and 43, i.e.:

- Construction of buildings (ISIC 410)
- Construction of roads and railways (ISIC 421)
- Construction of utility projects (ISIC 422)
- Construction of other civil engineering projects (ISIC 429)
- Demolition and site preparation (ISIC 431)
- Electrical, plumbing and other construction installation activities (ISIC 432)
- Building completion and finishing (ISIC 433)
- Other specialised construction activities (ISIC 439)

1.12 Textile and leather

Refers to ISIC Divisions 13, 14 and 15, i.e.:

- Spinning, weaving and finishing of textiles (ISIC 131)
- Manufacture of other textiles (ISIC 139)
- Manufacture of wearing apparel except fur apparel (ISIC 141)
- Manufacture of articles of fur (ISIC 142)
- Manufacture of knitted and crocheted fabrics and apparel (ISIC 143)
- Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur (ISIC 151)
- Manufacture of footwear (ISIC 152)

1.13 Not elsewhere specified

If your economy's industrial classification does not correspond to the above ISIC, please estimate the breakdown by industry and include in "not elsewhere specified" only consumption in sectors which is not covered above. This covers ISIC Division 22, 31 and 32, i.e.: manufacture of

- Rubber products (ISIC 221)
- Plastic products (ISIC 222)

- Furniture (ISIC 310)
- Jewellery, bijouterie and related articles (ISIC 321)
- Musical instruments (ISIC 322)
- Sports goods (ISIC 323)
- Games and toys (ISIC 324)
- Medical and dental instruments and supplies (ISIC 325)
- Others manufacturing not elsewhere classified (ISIC 329)

2. Transport sector

All transport activities irrespective of the economic sector in which the activity occurs. Refers to ISIC Divisions 49, 50 and 51.

2.1 Domestic air transport

Refers to domestic aircraft - commercial, private, agricultural, etc. include oil used for purposes other than flying, e.g. bench-testing of engines. Military use of aviation fuels also should be excluded here.

2.2 Road

Transport by road vehicles. It includes agricultural highway use, but excludes motor gasoline used in stationary engines (included in the other sector) and diesel oil for non-highway use in tractors (included in agriculture). Lubricants for use in road vehicles should be included here. Bitumen for use in road surfacing and gas oil used in engines at construction sites should not be included here but should be included in the industry subsector "construction" below.

2.3 Rail

Refers to rail traffic, including industrial railways.

2.4 Inland waterways

Refers to water vessels navigating in inland waterways and coastal shipping. For example: small craft, barges, and those coastal ships which do not travel for international transportation.

2.5 Pipeline transport

Refers to transport of goods through pipelines.

2.6 Not elsewhere specified

Transport activities not included elsewhere.

3. Other sector

Other sector covers commercial and public services, residential, agriculture, fishing and other final consumption not elsewhere classified.

3.1 Commercial and public services

These refer to business and offices in the public and private sectors. ISIC Divisions 01, 02, 03, 33, 36-39, 45-99, ISIC Class 8422.

3.2 Residential

Refers to all households including "households with employed persons." ISIC Division 97 and 98.

3.3 Agriculture

Refers to agriculture, hunting and forestry by ISIC as follows: ISIC Divisions 01 and 02.

3.4 Fishing

Refers to aquaculture and fisheries, covering the use of fishery resources from marine, brackish or freshwater environments, with the goal of capturing or gathering fish, crustaceans, molluscs and other marine organisms and products (e.g. aquatic plants, pearls, sponges, etc.) Also included are activities that are normally integrated in the process of production for own account (e.g. seeding oysters for pearl production). ISIC Division 03.

3.5 Not elsewhere specified

Report activities not included elsewhere, please specify. This category includes military use.

3.6 Non-energy use

Refers to use of energy products as raw materials in the different sectors; that is, not consumed as a fuel

or transformed into another fuel. Example: in industry, coal used to make methanol or ammonia.

This is further classified into:

- **Chemical (incl. the petrochemical sector):** Non-energy use of coal includes uses as feedstocks to produce fertiliser and as

feedstocks for other petrochemical products.

- **Transport sector:** Non-energy use in all transport sub sectors.
- **Other sector:** Non-energy use in commercial and public services, residential, agriculture and not elsewhere specified.

C. Energy prices

Energy prices are in either local currency units or in US dollars.

Table 1. Import prices

These are import prices based on CIF. These prices are obtained by dividing the value by the volume in foreign trade. Value and volume are recorded by customs administrations for each tariff position. Values recorded at the import stage include cost, insurance and freight (CIF) but exclude import duties.

These are import prices of coal and coal products; crude oil, NGL and petroleum products; electricity and other products including biofuels and other renewable energy products.

The average local currency exchange rate to the US dollar and local currency unit are also required in this table.

Table 2. Wholesale prices

Table 2 contains wholesale prices. These are the

prices that a buyer pays for large volume purchases whether for own consumption or retail. Examples are prices paid by electricity distribution companies to electricity generators or suppliers.

Prices are either in local currency units or in US dollars.

Table 3. Consumer prices

These are the prices paid by end-use consumers such as motorists buying fuel in filling stations, household electricity bills, coal briquette prices in supermarkets, etc. The prices may also be in local currency units or in US dollars.

Electricity prices are prices charged to the industrial, commercial, residential rates and rates to other consumers. Commercial sector include the government services and streetlights. Others include agriculture and other sectors not included in industrial, commercial and residential.

D. Definition of columns and rows of the energy balance table

1. Unit

For the purpose of presenting its energy balances APEC has adopted kcal and Joules. 10^7 kcal (41.868 gigajoules) is equivalent to one ton of oil equivalent (toe). This quantity of energy is, within a few percent, equal to the net heat content of one ton of crude oil.

2. Conversion (from original to TOE)

The Coordinating Agency has adopted specific factors supplied by the member economies for each flow or use. The balances are expressed in term of "net" heat value. The difference between the "net" and "gross" heat value for each fuel is the latent heat

in condensation of the water vapor produced during combustion of the fuel. For coal and oil, net heat value is 5 percent less than gross, for most forms of natural and manufactured gas the difference is 9-10 percent, while for electricity there is no difference. The use of net heat value is consistent with the practice of the Statistical Offices of the European Communities and the United Nations.

3. 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 thirteen columns with the following headings:

Column 1: Coal includes all primary coal, such as anthracite, coking coal, other bituminous coal, sub-bituminous coal, lignite and peat.

Column 2: Coal products includes all fuels derived from coal including patent fuel, coke oven coke, gas coke, briquettes, coal tar, coke oven gas, blast furnace gas and oxygen steel furnace gas.

Column 3: Crude Oil comprises crude oil, refinery feedstocks and natural gas liquids. Natural LPG is included in LPG.

Columns 4 and 4.1 to 4.10: Petroleum products (column 4) comprises motor gasoline, naphtha, jet fuel, kerosene, gas/diesel oil, residual fuel oil, LPG, refinery gas, ethane and other petroleum products such as: aviation gasoline, white spirit, lubricants, bitumen, paraffin waxes and petroleum coke (columns 4.1 to 4.10). The definitions of these products are in Appendix A.

Column 5: Gas includes natural gas and LNG (excluding natural gas liquids).

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

Column 7: Nuclear shows the primary heat equivalent of the electricity produced by a nuclear power plant with an average thermal efficiency of 33 percent.

Column 8: Geothermal, solar, etc. shows the primary heat equivalent of the electricity produced in geothermal plants with an average thermal efficiency of 10 percent, and the energy content of electricity produced in non-thermal power plants such as photovoltaic, wind, tide wave etc.

Column 9: Others includes wood, wood waste, black liquor, industrial and municipal waste and biomass (power generation from other fuel sources such as defined in "others" is included here).

Column 10: 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 11: Heat includes heat production from

public combined heat and power plants (CHP), from autoproducer's heat that is sold to a third party (e.g. to a network).

Column 12: Total = the total of columns (1) to (11).

Rows

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

Row 1: Indigenous production shows only production of primary energy, i.e. hard coal, lignite, crude oil, NGL, natural gas, hydro and nuclear, geothermal, etc. electricity and others.

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

Row 4/5: International marine and aviation bunkers cover those quantities delivered to sea-going ships and international flights of all flags. Consumption by ships and planes engaged in transport in inland and coastal waters is not included.

Row 6: Stock changes are treated as follows: a decrease in stocks, shown in the table as a positive number, is added to supply and an increase in stocks, shown as a negative number, is deducted from supply. Producers', importers', energy transformation industries' and large users' stocks are included.

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

Row 8: Transfers refer to interproduct transfers, product transferred, liquid products from gas separation and recycled products as defined in Appendix B.

Row 9: Total transformation sector is made up of

main activity producer (row 10) + autoproducers (row 11) + gas processing (row 12) + petroleum refineries (row 13) + coal transformation (row 14) + other transformation (row 15).

Row 10: Main activity producer, column 1 to 9 show primary and secondary fuel input to public utilities' plants as negative entries. Gross electricity produced (including power stations' own consumption) appears as a positive quantity in column 11, "electricity". Transformation losses appear in the "total", column 12, as a negative number.

Row 11: Autoproducers, columns 1 to 9 show primary and secondary fuel input to electricity generation of autoproducers as negative entries. An autoproducer is an establishment which, in addition to its main activities, generates electricity wholly or partially for its own use, such as industries, railways, refineries etc. Total gross electricity produced appears as a positive quantity in column 10, "electricity". Transformation losses appear in the "total", column 12 as a negative number.

Row 12: Where there is a production of gas at gas-to-liquid facilities, the treatment is similar to that for electricity generation, with the quantity produced appearing as a positive figure in column 5 "gas", input as negative entries in column 1 (coal), 2 (coal products), 4 (petroleum products) and 5 (natural gas input) and conversion losses appearing in the "total" column.

Row 13: The row petroleum refineries shows the

transformation of crude oil, NGL and condensate to petroleum products.

Row 14: Coal transformation shows the transformation of coal from primary to secondary fuels and from secondary to tertiary fuels (hard coal to coke, coke to blast furnace gas, brown coal to BKB, etc.)

Row 15: Other transformation: contains the energy feedstocks and outputs of petrochemical industry, biofuel processing, charcoal processing and other transformation processes that are not classified elsewhere.

Row 16: Loss & own use: own use contains the primary and secondary energy consumed by transformation industries for heating, traction and lighting purposes. These are shown as negative figures. Included here are, for example, the coal mines' own use of energy, energy use in refineries, electricity plants' own consumption (which includes gross electricity consumed for pumped storage), and energy used for oil and gas extraction (which also includes consumption for the pipeline system). Loss include losses in gas distribution, electricity transmission, and coal transport.

Row 17: Discrepancy is a category which includes the sum of the unexplained statistical differences for individual fuels.

Row 18: Total final energy consumption (TFEC) is the sum of consumption by the different end-use sectors. In final consumption, petrochemical feedstocks as well as natural gas for producing fertiliser are shown under industry sector.

Row 19: Consumption of the industry sector (energy used for transport by industry is not included here but reported under transport).

Row 20: Iron and steel covers ISIC Group 241 and Class 2431. Report pulverised coal injection (PCI) into

blast furnaces under blast furnaces, Transformation sector. To avoid double counting, fuels used in blast furnaces should be reported in the transformation sector.

Row 21: Chemical & petrochemical refers to ISIC Division 20 and 21.

Includes manufacture of basic chemicals (ISIC 201)

Other chemical products (ISIC 202), Man-made fibers (ISIC 203)

Row 22: Non-metallic minerals covers ISIC Division 23, i.e.: Glass, ceramic, cement and other building materials industries.

Manufacture of glass and glass products (ISIC 231)

Non-metallic mineral products (ISIC 239) such as ceramics, tiles, baked clay products and cement

Row 23: Other industries cover consumption of all other manufacturing industries, mining, quarrying and constructions.

Row 24: The transport sector includes all fuels for transport, except international marine bunkers. It includes transport in the industry sector and covers road, railway, domestic air transport, inland waterways (including small craft, fishing vessels and coastal shipping not included under marine bunkers) and non-specified transport.

Row 25: Domestic air transport refers to domestic aircraft - commercial, private, agricultural, etc. include oil used for purposes other than flying, e.g. bench-testing of engines. Military use of aviation fuels also should be excluded here.

Row 26: Road covers transport by road vehicles. It includes agricultural highway use, but excludes motor gasoline used in stationary engines (included in the other sector) and diesel oil for non-highway use in tractors (included in agriculture). Lubricants for use in road vehicles should be included here.

Bitumen for use in road surfacing and gas oil used in engines at construction sites should not be included here but should be included in the industry subsector "construction".

Row 27: Rail refers to rail traffic, including industrial railways.

Row 28: Inland waterways refers to water vessels navigating in inland waterways and coastal shipping. For example: small craft, barges, and those coastal ships which do not travel for international transportation.

Row 29: Pipeline transport refers to transport of goods through pipelines.

Row 30: Non-specified industry covers transport activities not included elsewhere.

Row 31: Other sectors cover agriculture, residential, commercial and public services and non-specified consumption.

Row 32: Refers to all households including "households with employed persons." ISIC Division 97 and 98.

Row 33: These refer to business and offices in the public and private sectors.

Row 34: Consumption of the agriculture sector.

Row 35: Other shows non-specified use which may include military use.

Row 36: Non-energy use covers use of coal, gas and petroleum products such as white spirit, paraffin waxes, lubricants, bitumen and other products. Petroleum coke is shown as non-energy use only when there is evidence of such use; otherwise it is shown under energy use in industry or other sectors. Feedstocks for the petrochemical industry are accounted for in industry (row 21). This covers all oil including naphtha, except the other petroleum products listed above, and gas used as petrochemical feedstock. Gas used as raw material for chemical products such as methanol and ammonia/urea is also included.

E. Conversion factors

1. Coal

Coal has separate factors for production, imports, exports, inputs to power plants, coal used in coke ovens, and coal used in industry. Each economy's individual conversion factors are applied.

2. Crude oil

The conversion factors of each economy are applied as shown in the table of conversion factors.

3. Petroleum products

The conversion factors of each economy are applied.

4. Gas

To convert the gross heat content of a gas to its net heat content, the following multiplying factors were used:

Natural gas	0.9
Gas works gas	0.9
Coke oven gas	0.9
Blast furnace gas	1.0

5. 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, photovoltaic, etc.) are accounted for similarly using 1 TWh = 0.086 Mtoe. However, the primary energy value ascribed to nuclear power plants is calculated from the gross generation by assuming that only 33% of the primary energy content appears as electricity, i.e. 1 TWh = (0.086/0.33) Mtoe. In the case of electricity produced from geothermal heat the primary value is calculated using 1 TWh = (0.086/0.1) Mtoe.

6. Heat

Information on heat is supplied in net kilocalories. 10¹⁰ kilocalories = 1 Mtoe

7. Others

The conversion factors used for other energy, such as wood, wood waste, black liquor, etc. are those that are provided by each economy. In cases where the member economies cannot provide a conversion factor, the CA used the following net calorific values:

Fuel wood and wood waste	3 702 kcal/kg
Bagasse	1 959 kcal/kg
Charcoal	6 898 kcal/kg
Industrial waste	3 344 kcal/kg
Municipal solid waste	3 344 kcal/kg
Other biomass	2 986 kcal/kg

Average Net Calorific Values of Energy Products in 2014

	Australia	Brunei	Canada	Chile	China	Hong Kong, China	Indonesia	Japan	Korea
Coal									
Coking Coal	6 925		5 919		6 121			6 534	
Anthracite	6 377				6 488	6 998		6 311	4 450
Other Bituminous Coal	6 139		6 490	5 255	4 653	6 298	5 880	5 892	
Sub-bituminous Coal	4 413		4 275					5 735	
Lignite	2 341		3 348		3 005				
Peat					6 121			6 534	
Coal Products									
Patent Fuels								5 344	4 450
Coke Oven Coke	6 449		6 558	6 829	6 800			6 623	6 900
Coal Tar	8 530			9 688	8 000				8 837
Coal Briquettes	5 008				4 250		4 740		
Crude Oil and NGL									
Crude Oil	10 338	10 748	10 220	10 306	10 000		10 920	10 161	10 199
Natural Gas Liquids	10 846	10 900	10 801	11 487			11 934	11 088	
Refinery Feedstocks	10 338		10 151	10 700				10 257	10 700
Additives/Oxygenates	7 190	9 597	6 000	5 410	10 233		9 690		10 000
Other Hydrocarbons	10 000	11 023			10 000		8 880		
Petroleum Products									
Refinery Gas	11 488	11 369	11 488	11 488	11 000			10 515	11 488
Ethane	11 799		11 799						
LPG	11 393	11 023	11 297	11 297	12 000	10 999	11 934	11 360	11 393
Naptha	10 318		10 748	10 748	9 176	10 540	11 064	10 257	10 318
Motor Gasoline	10 560	10 688	10 501	10 700	10 300	10 217	11 064	10 276	10 653
Bio-ethanol	6 401		6 401		10 300				
Aviation Gasoline	10 653		10 700	10 700			9 801		10 653
Gasoline Type Jet Fuel			10 700		10 300				
Kerosene Type Jet Fuel	10 629	10 648	10 653	10 653	10 300	10 262	10 398	10 527	10 629
Other Kerosene	10 246	10 648	10 461	10 461	10 300	10 522	10 212	10 174	10 246
Gas/Diesel Oil	10 161	10 361	10 163	10 342	10 200	10 150	9 166	10 357	10 174
Bio-diesel	8 790		8 790		10 200	9 028	9 690		10 125
Fuel Oil	10 175	9 716	9 602	9 602	10 000	9 912	10 319	10 535	10 175
White Spirit SBP	10 270		10 270		9 176				10 270
Lubricants	10 246	9 984	10 032		9 176		9 996	10 238	10 246
Bitumen	9 267	9 554	9 554		9 176				9 267
Paraffin Wax					9 176		9 996		9 554
Petroleum Coke	8 073		7 643	7 643	7 350			7 553	8 073
Other Products	9 554	11 023	9 554	9 554	9 310		9 996	9 500	9 554
Natural Gas									
Natural Gas	8 462	9 253	8 351	8 430	9 310	9 309	8 885	8 453	8 974
New and Renewables									
Fuel wood and Wood waste	3 701		3 701	3 701				3 702	3 701
Bagasse	1 958		1 958	1 958					1 958
Charcoal	7 357			7 357		6 998		6 898	
Other Biomass	3 701		3 701	3 701	7 000		3 702		3 701
Biogas									
Industrial Waste	3 343		3 343	3 343	7 000			3 344	3 343
Municipal Solid Waste	3 343		3 343	3 343	7 000		3 702	3 344	3 343
Liquid Biofuels	7 190		6 799	6 401	10 233	9 028	9 690		10 125

Note: The Net Calorific Values are used to convert the unit of each product to tons of oil equivalent (toe). 1 toe = 10⁷ kcal

Average Net Calorific Values of Energy Products in 2014 (continued)

kcal/kg (kcal/m³ for Natural Gas)

Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	The Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam
	6 827	7 187				6 807		6 660		6 736	
	6 241					6 927		6 745	7 431	6 863	5 600
6 300	6 180	6 778		6 500		5 517	6 162	5 671	6 242	6 186	
	4 866	4 899			5 278			4 677		4 516	
	2 665	3 471				3 563		3 957	2 622	3 303	
						6 807		6 660			
								3 610			
	6 805	7 046		6 735		6 930	6 735	6 650	6 539	6 894	
	9 069										
	4 299					4 200			6 242		
10 219	10 714	10 279	10 120	10 271	9 905	10 050	10 200	10 442	10 089	10 320	10 200
11 790	9 802	10 936	10 120	10 604		10 010			11 757	11 134	10 000
	10 115	10 482		10 402			10 230			9 776	
8 789	8 498			10 534	7 773			10 442	10 334	6 000	
10 150	10 000								11 778	12 182	
11 000	11 488	11 488	10 515	14 992		11 823	11 488	14 996		11 488	
	11 799									11 799	
10 880	11 297	11 393	11 393	11 080	10 760	10 987	11 297	11 893	11 778	11 297	10 900
	10 748		10 500		11 031	10 509	10 748	10 924		10 748	
10 500	10 700	10 644	10 654	10 402	10 570	10 509	10 700	10 494	10 450	10 368	10 500
		6 894		6 351	7 083				10 450	7 650	
	10 700	10 653			10 894	10 509	10 700	10 669		10 700	
								10 485			
10 320	10 653	10 629	10 632	10 231	9 957	10 270	10 653	10 038	11 675	10 653	10 300
10 320	10 461	10 246	10 233	10 231	9 855		10 461	10 600	10 310	10 461	10 300
10 150	10 175	10 175	10 284	9 847	10 049	10 175	10 342	10 066	10 236	10 184	10 200
8 789		9 520		11 157	9 416			10 116	10 236	10 750	
11 530	9 602	10 175	10 520	10 381	9 819	9 554	9 602	10 027	10 105	9 602	9 900
		10 270				10 414	10 270	11 538		10 270	
	10 032	10 246	10 240			10 032	10 032	9 600		10 032	
	9 554	9 267			9 248	9 315	9 315	10 000		9 554	
	9 554					9 554	9 554	10 664		9 554	
	7 643	8 073	8 078			7 643	7 643	8 200		7 643	
10 150	9 554	9 554	9 602	10 402	9 864		9 554	12 496	10 000	9 554	9 900
8 388	8 139	8 398	9 163	8 691	8 292	8 218	8 385	9 000	8 634	8 221	9 000
	3 701	3 701		3 598	3 455	3 701	3 344	3 039	3 820	3 701	2 388
	1 958	1 958		1 499	2 166	1 958			1 800	1 958	
	7 357			6 558	6 313	7 357			6 900		
3 218	3 701	3 701		3 596	3 163	3 701	3 344		3 029	3 701	
								3 690			
	3 343	3 343				3 343				3 343	
	3 343	3 343			3 344	3 343	3 344	2 092	1 160	3 343	
8 789	6 401	7 332		10 537	7 772			10 094	10 334	8 000	

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