

APEC

ENERGY STATISTICS 2004

ENERGY WORKING GROUP

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COORDINATING AGENCY:

THE ENERGY DATA AND MODELLING CENTER
THE INSTITUTE OF ENERGY ECONOMICS, JAPAN



Asia-Pacific
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PREFACE

The APEC Energy Statistics 2004 consists of the following chapters:

1. Explanation of the APEC Energy Statistics
2. Overview of the APEC Energy Situation
3. Member 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; the United States of America and Viet Nam.

Chapter 1 describes the methodology for collecting and standardizing 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 trend of energy demand and supply.

Chapter 3 consists of annual and quarterly tables by the member economies. The annual tables contain Energy Balance Tables for 2004 and 2003 and Energy Prices for 2004. The annual tables also involve Major Energy Indicators which include primary energy supply, final energy consumption, demand and supply by energy sources and electricity as well as Major Economic Indicators which include population, GDP, balance of payments, foreign exchange rate, purchasing power parity, price indices and so on. These tables cover the data from 1980 to 2004 except Russia and Viet Nam which do not have data from the '80s to the early 90's. The quarterly tables contain only original energy supply data for 2005. The objective is to report the most recently updated data.

APEC Energy Statistics 2004 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 supply and demand consistent with projects and priorities under the APEC Energy Working Group. It is prepared in close cooperation with member economies.

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1 Explanation of the APEC Energy Statistics

The APEC Energy Statistics consist of energy data submitted by each member economy as well as social and economic data collected by EDMC (The Energy Data and Modeling Center), which is the Coordinating Agency (hereinafter referred to as CA) for this APEC activity. The energy balance tables, which give a detailed description of all energies, and other tables (primary energy supply, final energy consumption, etc.) included in the statistics, are secondary data compiled by EDMC.

1.1 Energy Data

1.1.1 Original Data

The APEC member economies regularly submit energy demand and supply data to EDMC. These data are defined as “original data”. Details for collection of the data are given below:

a. Collection Format for Original Energy Data

Each item found in the Energy Statistics is based on data submitted by the APEC member economies using a new set of questionnaires for Oil, Coal, Natural Gas, Electricity and Heat, as well as New and Renewable Energy (NRE). These questionnaires are simplified forms of the annual energy questionnaires of the International Energy Agency (IEA) in view of the harmonization efforts of the CA with the IEA. Table 1-1a and 1-1b show the energy product and flows that are to be reported in the questionnaires. The definition of energy products and flows can be found in the Appendix II.

Using the new format or the APEC Annual Energy Questionnaires, the members report the following information:

- Supply and demand information for specific type of energy
- Power generating capacity by type

- Supply and demand information for NRE

The data are entered in the following required units:

Coal, Liquid and Solid Coal Products	-	1,000 Metric Tons
Gaseous Coal Products	-	10 ¹⁰ kcal (gross)
Oil and Oil Products	-	1,000 Metric Tons
Natural Gas	-	Million Cubic Meters
LNG	-	1,000 Metric Tons
Solid and Liquid Bio-fuels	-	1,000 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 MW.

For OECD member countries that also submit annual energy supply and demand data to IEA, CA accepts data submission using the IEA format. The CA developed computer programs to transfer data from the IEA format to APEC format and to generate energy balance tables from the APEC questionnaires.

Table 1-1a: Energy Products in the APEC Energy Database

<p>Coal</p> <ul style="list-style-type: none"> Coking Coal Other bituminous coal Sub-bituminous Coal Anthracite Lignite Peat <p>Coal Products</p> <ul style="list-style-type: none"> Coke Oven Coke Coke Oven Gas Blast furnace Gas Oxygen Steel furnace Gas Patent Fuel Coal Tar BKB/PB Gas Works Gas <p>Crude Oil & NGL</p> <ul style="list-style-type: none"> Crude Oil Natural Gas Liquids Refinery Feedstocks Additives/ Oxygenates Other Hydrocarbons <p>Gas</p> <ul style="list-style-type: none"> Natural Gas LNG 	<p>Crude Oil & NGL</p> <ul style="list-style-type: none"> Crude Oil Natural Gas Liquids Refinery Feedstocks Additives/ Oxygenates Other Hydrocarbons <p>Petroleum Products</p> <ul style="list-style-type: none"> Gasoline Motor Gasoline Aviation Gasoline Naphtha Jet Fuel Gasoline Type Jet Fuel Kerosene Type Jet Fuel Kerosene Gas/Diesel Oil Fuel Oil LPG Refinery Gas (not liq.) Ethane White Spirit SBP Lubricants Bitumen Paraffin Waxes Petroleum Coke Other Products 	<p>Hydro</p> <p>Nuclear</p> <p>New and Renewable Energy</p> <ul style="list-style-type: none"> Geothermal Photovoltaic Tide, Wave, Ocean Wind Geothermal Heat Solar Heat FuelWood Woodwaste Bagasse Charcoal Other Biomass Biogas Industrial Waste Municipal Solid Waste Liquid Biofuels <p>Electricity</p> <p>Heat</p>
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b. Collection Schedule and Actual Dates of Submission

In consideration of the member economies as it was the first time that the new format was used, the CA agreed to move the deadline for submission from end of November to end of December 2005. In principle, all twenty-one

APEC members are expected to submit yearly data to the CA on the aforementioned deadline. However, even with the extended deadline, only Canada and New Zealand were able to submit in December 2005 albeit using the IEA format.

Table 1-1b: Energy Flows in the APEC Energy Database

Indigenous Production	Total Transformation Sector	Total Final Energy Consumptions
Imports	Main Activity Producer	Industry Sector
Exports	Electricity Plants	Iron and Steel
International Marine Bunkers	CHP Plants	Chemical (incl. Petro-Chemical)
International Civil Aviation	Heat Plants	Non Ferrous Metals
Stock Changes	Autoproducers	Non Metallic Mineral Products
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	International Civil Aviation
	Coke Ovens	Domestic Air Transport
	Blast Furnaces	Road
	Patent Fuel Plants	Rail
	BKB/PB Plants	Inland Waterways
	Liquefaction (Coal to Oil)	Pipeline Transport
	Petrochemical Industry	Non-specified Transport
	Biofuel Processing	Other Sector
	Charcoal Processing	Commerce and Public Services
	Non-specified Transformation	Residential
	Losses & Own Use	Agriculture
	Own Use	Fishing
	Distribution Losses	Non-specified Others
	Discrepancy	of which Non-Energy Use
		Transformation Sector
		Industry Sector
		Transport Sector
		Other Sector

c. Collection Status

As of August 31, 2006, 8 months after the deadline, 17 APEC economies have submitted data to the CA, the latest of which was Chile who submitted on July 26, 2006. Four member economies were not able to accomplish the questionnaire. These economies are Brunei Darussalam, Papua New Guinea, Singapore and Viet Nam.

The CA took other measures to be able to generate energy balance tables for these economies. For Brunei Darussalam, the CA obtained the data this economy submitted to UNSD through IEA. The data were then entered by the CA to the APEC format.

For Papua New Guinea, the CA made use of the monthly oil, refinery output and natural gas production data to estimate the most of the supply. The final consumption data were estimated using GDP growth of the economy in 2004.

For Singapore, the CA received energy supply data and estimated missing data based on data taken from EMA (Energy Market Authority) Singapore and IEA data.

For Viet Nam, the CA used of the energy balance table submitted by the economy on October 23, 2006.

d. Use of the Internet

The advances in internet technology had enabled the submission of annual energy as email attachment. Correspondence for the improvement of data consistency and accuracy had also been carried out mostly through the internet.

1.1.2 Standardization

The new APEC reporting format requires the use of certain units for reporting energy data. In this regard, the level of standardization has been improved by at least one notch. For example, all oil data are now reported in 1,000 metric tons unit. In the previous years, each economy uses its own units such as barrels, kiloliters, cubic meters, etc. The CA however, does not standardize 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 standardized conversion factors.

1.1.3 Secondary Data

a. Conversion Factors for Fossil Energy from Physical to Thermal Units

Calorific values used to convert physical units to thermal units are the net calorific values. This is following the APEC Standard adopted at the Third Experts Meeting (Singapore) to facilitate comparisons with international energy statistics such as IEA (International Energy Agency) and UN.

In cases where only either the net or gross calorific value is available, the CA uses the following conversion factors:

Coal / Oil	Net is 95% of gross
Gas	Net is 90% of gross

b. Conversion Factors for Primary Electricity

Table 1-2 shows the efficiency factors used to calculate the primary energy of electricity generated from hydro, nuclear, geothermal and other power generation. To

allow comparisons of primary energy supplies, in light of differences in conversion coefficients, standardization was required. APEC adopted the following conversion coefficients for compatibility with IEA and UN statistics

Table 1-2: Efficiency of Primary Electricity

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

The original energy data contained in these statistics have been treated by the above adjustments.

c. Tables of Secondary Data

Using the original data submitted by each member, CA prepares the following tables using the methods described in items a and b above:

- (1) Energy Balance Table
- (2) Primary Energy Supply Table
- (3) Final Energy Consumption Table
- (4) Supply and Demand by Energy Source Table
- (5) Electricity Table
- (6) Stock Change Table

The Energy Balance Tables give a detailed description of energy sources.

Tables (2) through (6) are collectively referred to as “other tables”, and are compiled from data obtained from the table of original data after adjustment and the energy balance table. The five tables from (2) through (6) allow comparisons among member economies.

d. Energy Balance

The energy balance table is, in principle, the same as that

of the IEA but with some adjustment (see 1.1.2). The different values could be attributed to the following:

- APEC statistics are basically based on official data provided by national government agencies of each member economy, and, thus, agencies exclude any data not reported to the government. For some data, where estimation can not be avoided, the CA informs the concerned member economy of the estimated data.
- The CA however, does not estimate auto-producer generation. For this reason, private-power generations are missing in some member economies.
- The reporting period differs in APEC and IEA surveys for some economies.

The APEC energy balance table consists of two tables, quoted in calories and in joules.

e. Other Tables

Other tables, i.e., primary energy supply, final energy consumption, supply and demand by energy source, electricity and stock change, are all designed to allow comparisons among members.

The primary energy supply table shows items that constitute the primary energy supply, namely, indigenous production, imports, exports, stock change, and international marine bunkers in terms of calorific values (calories and joules), 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 others for each final consumption sector (agriculture, residential, commercial, industry and transport).

The supply and demand table for each energy source

emphasizes coal, petroleum and gas, and shows, at a balance, how the primary supply volume is being 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.

The stock change table shows the inventory of fossil fuels owned by each member economy, in units of calorific value (calories and joules), at the beginning and end of the period as well as the stock change. Since the conventional approach is to report stock level only in terms of its change, many members omit the stock level at the beginning and end of the term.

1.2 Notes on Member Economies

1.2.1 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 harmonization 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 that to leave IEA the data negotiation with the OECD member economies and just used the processed data from IEA.

1.2.2 Specific Notes

a. Brunei Darussalam

Brunei Darussalam failed to submit data to the CA. However, the CA obtained from IEA the data Brunei

submitted to the United Nations Statistics Division (UNSD). The CA used the data to fill-out the APEC reporting format and generate the EBT.

b. Japan

Energy data after 2000 are not official data prepared by Japanese Government. CA used data on energy balance table produced by the Institute of Energy Economics, Japan to maintain continuity of data before 2000.

Before 2004, electricity used for water pumping in pumped-storage plants is deducted from the total generation of hydro. In 2004, electricity used for water pumping in pumped-storage plants is included in total generation but is reported in loss and own-use. This explains the high growth rate in total electricity generation. The historical data will be adjusted using the new definition and the changes will be included in next year's publication.

c. Papua New Guinea

CA estimated energy balance tables from 2000 to 2004 for Papua New Guinea from the crude oil and natural gas production, refinery intake and output data, crude oil exports and GDP data obtained from PNG.

d. Singapore

Singapore cannot submit the data of natural gas imports and the data of crude oil into refinery sector and the data of petroleum products in refinery output and public utilities. Furthermore there are no data in final energy consumption sectors excluding electricity. CA estimated energy balance tables for Singapore from 1980 to 2004.

There are 2 issues in Singapore's data.

- No data in the Final Energy Consumption Sector are reported by Singapore.

- Petroleum Refinery inputs (Crude Oil, etc.) and outputs (Petroleum Products) are not submitted.

CA estimated values in petroleum refinery using import volumes of crude oil and export volumes of petroleum products (assuming the stock change and the discrepancy are 0).

Some erroneous data are corrected by using the IEA energy balance data, data from EMA Singapore, and the social and economic indicators (ex: GDP etc.).

1.3 Socio-Economic Data

At the moment, the social-economic data for each member economy shown in the APEC Energy Statistics are not reported by the members, but, instead, are prepared by CA. The data are derived from the “World Development Indicators” (World Bank) and “The International Financial Statistics Yearbook” (IMF). The data on Chinese Taipei not found in these statistics, are derived from the “Chinese Taipei Statistical Data Book”. This book was regularly delivered to CA through the goodwill of this member. The items CA picks up from these statistics are:

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

The GDP data of Brunei from 1996 are also derived from the “Brunei Darussalam Statistical Yearbook”.

In addition to reporting the GDP in the member economy’s currency, CA provides estimates in real, nominal dollar and real PPP (Purchasing Power Parity)

terms.

1.4 APEC Energy Database

CA has established the APEC Energy Database, which contains all data on APEC Energy Statistics. The address of APEC Energy Database is: <http://www.ieej.or.jp/egeda/>.

2 Overview of the APEC Energy Situation

2.1 Overall Notes

Chapter 2 summarizes the energy supply and demand in the APEC region using the energy balance tables of APEC member economies stored in the APEC Energy Database. Energy categories used in this chapter are defined 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 and oxygen steel furnace gas

b. Oil:

Crude oil, NGL, refinery feedstocks, additives/oxygenates, and 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 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:

Incineration and commercial renewable energy

Regional groupings of APEC member economies are as follows:

a. East Asia and Russia:

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

b. Southeast Asia

Brunei Darussalam, Indonesia, Malaysia, Philippines, Singapore, Thailand and Viet Nam

c. Oceania:

Australia, New Zealand and Papua New Guinea

d. North America:

Canada and United States of America

e. Latin America:

Chile, Mexico and Peru

From 2004, APEC collected the member economies' annual energy data using the new format which resulted to some inconsistencies with the historical data. To analyze the historical trend, there are some issues in connection the data before 2003.

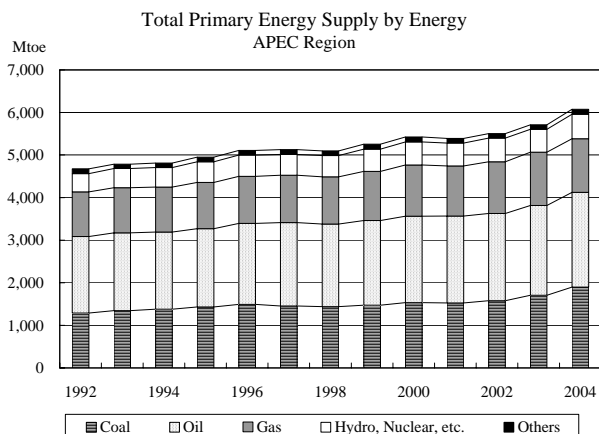
- The non-commercial energy which is mostly biomass is reported by most economies in 2004. However, in 2003, only a few economies were able to submit the data. Therefore, data are not enough data to analyze the historical trends for these products, thus, these data are excluded from this analysis.
- Likewise, non-energy usage is treated as an independent sector as in 2003. This will be changed in 2005 publication to use the new definition by which non-energy consumptions are parts of the final consumption sectors.

2.2 Analysis of Energy Supply and Demand in the APEC Region

This section discusses energy supply and demand in the APEC region.

2.2.1 Primary Energy Supply

For the APEC Energy Statistics 2003 publication, only 19 of the 21 member economies were included in APEC total due to incomplete data of Russia and Viet Nam. For this year's publication, all 21 member economies are included.

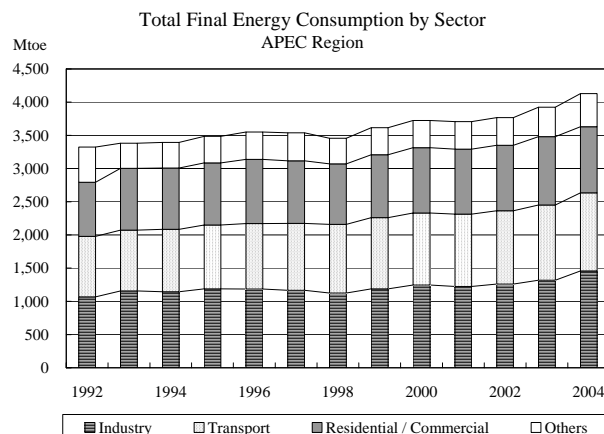


The level of primary energy supply in 2004 of 6,075 Mtoe increased by 6.4% from the 2003 level of 5,710 Mtoe. In the period 1992 to 2004, primary energy supply averaged 2.2% growth per annum, in contrast with 3.2% growth in real GDP over the same period. As a result, elasticity of demand was calculated at 0.70 for this period.

For the period 1992 to 2004, coal supply rose by an average of 3.3% per annum to reach 1,901 Mtoe. Oil supply rose by an average of 1.8% per annum to reach 2,221 Mtoe. Gas supply increased 1.6% per annum to reach 1,260 Mtoe. The supply of hydro, nuclear, etc. grew by 7.3% from 2003 to reach 576 Mtoe. The category of "Other" grew 9.5% from 2003, the total was small at 118 Mtoe and the share was 1.9% in 2004.

2.2.2 Final Energy Consumption

The level of final energy consumption in 2004 of 4,127 Mtoe grew by 5.2% from the 2003 level of 3,923 Mtoe. The growth rate was 1.8% per annum from 3,324 Mtoe from 1992. This growth rate for 12 years was lower than that of primary energy supply. It indicates that net energy consumption growth in the transformation sector surpassed the final energy consumption sector.



The residential/commercial and other sectors increased 1.5%, from 1,473 Mtoe in 2003 to 1,495 Mtoe in 2004. The transport sector grew by 3.7% from 1,132 Mtoe in 2003 to 1,175 Mtoe in 2004. Consumption in the industrial sector grew 10.6% from 2003 to 2004. The total of 1,458 Mtoe was the largest for all sectors in 2004. The industry sector share of the total was 35.3%, the transportation sector share 28.5%, and the residential/commercial sector share 24.2%.

By energy source, oil consumption grew by 5.9% from 1,794 Mtoe in 2003 to 1,901 Mtoe in 2004, averaging 2.2% per annum from 1,464 Mtoe in 1992.

Electricity consumption rose by 4.3% from 740 Mtoe in 2003 to 771 Mtoe in 2004. Gas consumption decreased by 3.2% from 637 Mtoe in 2003 to 616 Mtoe in 2004. Coal consumption grew by 17.2% from 500 Mtoe in 2003 to 586 Mtoe in 2004.

2.2.3 Energy Balance Table

This section presents the 2004 aggregate energy balance table for the APEC region. Note that the export/import row does not show the volume of trade between APEC and non-APEC regions.

Some of the salient features from the table are:

APEC Region	2004												Unit: Mtoe
	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	1,953	-	1,486	1	1,363	124	408	45	118	-	-	5,497	
2 Import	276	10	1,311	384	246	-	-	-	0	7	-	2,234	
3 Export	-322	-15	-564	-308	-342	-	-	-	-	-8	-	-1,559	
4 International Marine Bunkers	-	-	-	-71	-	-	-	-	-	-	-	-71	
5 Stock Change	1	-3	-11	-6	-7	-	-	-	-0	-	-	-25	
6 Total Primary Energy Supply	1,908	-8	2,221	-0	1,260	124	408	45	118	-0	-	6,075	
7 Public Electricity	-1,125	-84	-5	-88	-381	-120	-408	-38	-15	857	86	-1,320	
8 Autoproducers of Electricity	-47	-13	-1	-54	-103	-4	-	-3	-29	64	122	-68	
9 Gas Processing	-8	3	-	-3	-17	-	-	-	-	-	-	-25	
10 Petroleum Refineries	-	-	-2,118	2,085	-	-	-	-	-	-	-	-32	
11 Coal Transformation	-331	341	-	-1	-	-	-	-	-	-	-	10	
12 Other Transformation	-	-	-0	-16	-1	-	-	-0	-1	-	-	-18	
13 Loss & Own Use	-50	-8	-10	-109	-104	-	-	-0	-	-141	-20	-442	
14 Discrepancy	5	1	-15	0	-38	0	-	-0	3	-8	-13	-65	
15 Total Final Energy Consumption	353	232	4	1,897	616	-	-	4	75	771	175	4,127	
16 Industry Sector	281	220	2	271	229	-	-	0	51	325	79	1,458	
17 Transport Sector	4	0	0	1,105	51	-	-	-	-	15	-	1,175	
18 Other Sector	68	12	0	256	293	-	-	3	24	431	96	1,184	
18.1 Residential & Commercial	53	11	-	159	273	-	-	3	24	390	85	998	
18.2 Agriculture	11	1	0	58	1	-	-	0	0	11	3	85	
18.3 Other	4	0	0	38	19	-	-	-	0	31	8	101	

- 61% of coal is used for power generation.
- Petroleum products consumed by APEC members are mainly refined within the region.
- The percentage share of gas consumption is third, behind petroleum products and electricity. The industrial, and residential/commercial sectors are the dominant users.
- The category "Other" consists mainly of wastes and commercial renewable energy, such resources being used to generate electricity and consumed directly in the industry sector and the residential/commercial sector.
- Heat accounts for 4.2% of final energy consumption.
- Oil and Petroleum Products accounted for more than half of total final energy consumption, followed in order, by electricity, gas, and coal.

2.3 Analysis of Energy Supply and Demand by Energy Sources

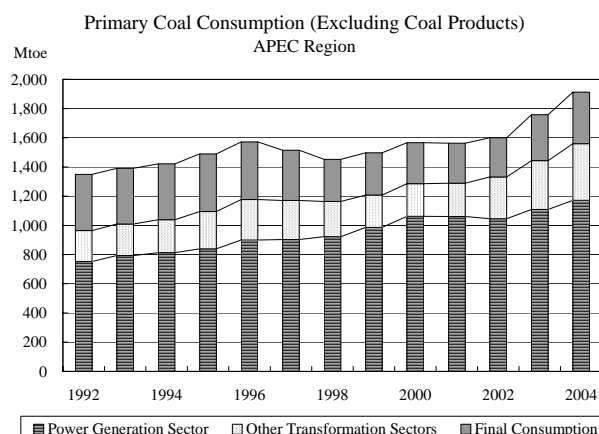
This section analyses energy supply and demand in the APEC region by energy sources.

2.3.1 Coal (excluding coal products)

The supply of coal increased by 11.0% in 2004 over the year before (from 1,720 Mtoe in 2003 to 1,908 Mtoe in 2004). The coal share in the total primary energy

supply is 27.6% in 1992 and increased to 31.4% in 2004.

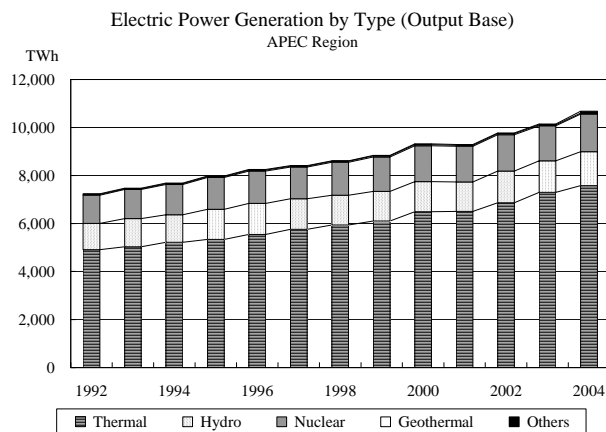
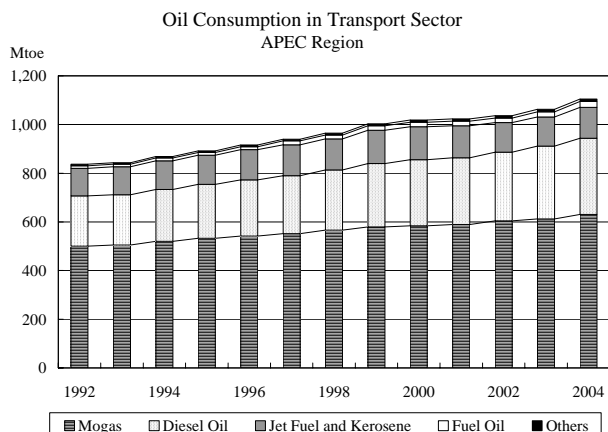
Most coal (excluding coal products) is used for electricity generation, accounting for 61.4% of the total supply in 2004.



2.3.2 Oil

Oil supply increased by 5.3% from 2,109 Mtoe in 2003 to 2,221 Mtoe in 2004. Oil represented 36.6% of total primary energy supply in 2004.

More than half of all petroleum products are used in the transportation sector, with the major products being automotive gasoline and diesel oil. Recently, there has been a marked increase in the consumption of diesel.



2.3.3 Gas

The supply of gas increased by 0.8%, from 1,250 Mtoe in 2003 to 1,260 Mtoe in 2004. Natural gas represented 20.7% of total primary energy supply in 2004.

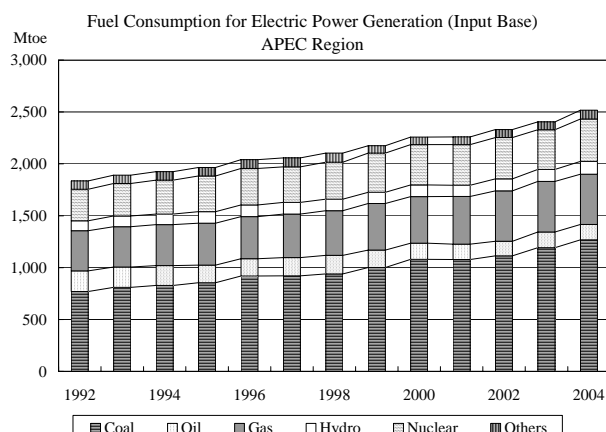
Most gas is consumed in the industrial and residential/commercial sectors. As of 2004, 38.4% of gas was used for electric power generation.

2.3.4 Electricity

The supply of hydro, nuclear, etc. increased by 7.3%, from 537 Mtoe in 2003 to 576 Mtoe in 2004. From 1992 until 2004, the supply of hydro, nuclear, etc. grew 2.5% per annum.

Power generation rose by 5.3% from 10,146 TWh in 2003 to 10,683 TWh in 2004. From 1992 until 2004, power generation grew 3.3% per annum (from 7,234 TWh). Thermal power generation increased 3.8%, from 7,300 TWh in 2003 to 7,578 TWh in 2004. As a result, the share of thermal power generation was 70.9% of the total in 2004. Nuclear power generation grew by 7.5%, from 1,456 TWh in 2003 to 1,564 TWh in 2004. The hydropower generation rose by 7.7% from 1,313 TWh in 2003 to 1,414 TWh in 2004.

When discussing the issue of global warming in the APEC region, there is significant room for exploring possible solutions, including improving the efficiency of coal-fired power generation units, and converting from coal and oil to gas-fired generation.



2.4 Analysis of Energy Supply and Demand by Region

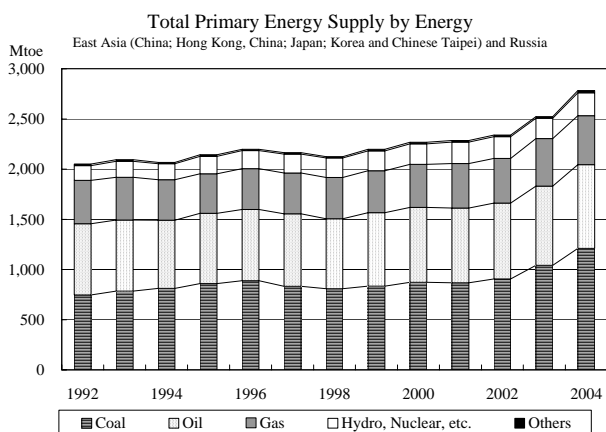
This section divides the APEC region into five groups, namely East Asia and Russia, Southeast Asia, Oceania, North America and Latin America, to compare their energy supply and demand situations.

2.4.1 East Asia and Russia

Primary energy supply in this region rose by 10.3% to 2,783 Mtoe in 2004. Over the period 1992 to 2004,

primary energy supply increased 2.6% per annum (from 2,051 Mtoe).

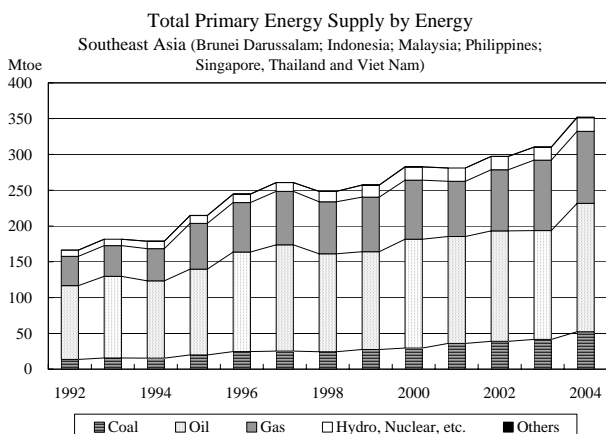
Coal and oil constitute the main energy sources in East Asia, accounting for 43.5% and 30.0% of total energy supply, respectively, in 2004.



In terms of final energy consumption by sector, the industrial sector has the highest consumption, followed in order by the residential/commercial sector and the transportation sector. 50.6% of final energy was consumed in the industrial sector.

2.4.2 Southeast Asia

Primary energy supply in Southeast Asia rose by 13.5% to 352 Mtoe in 2004. From 1992 to 2004 it increased 6.4% per annum; the highest rate of growth among the five regional groups. The share to the total APEC region increased to 5.8% comparing from 3.6% in 1992.

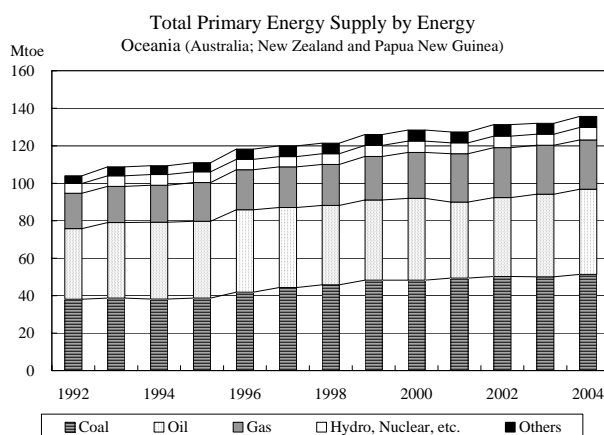


Although Southeast Asia relies heavily on oil, use of coal and gas has been increasing in recent years. Therefore the share of oil has dropped to 51.0% from 62.0% in 1992.

The Industrial sector consumes the largest amount of energy, followed in order by the transportation and residential/commercial sectors. Because most energy demand in the transportation sector is met by oil, consumption of this fuel has grown steadily.

2.4.3 Oceania

Primary energy supply in Oceania increased by 2.7% to 136 Mtoe in 2004. From 1992 to 2004, the average growth rate per annum was 2.2% (from 104 Mtoe). The Oceania share of total APEC supply was only 2.2% in 2004.

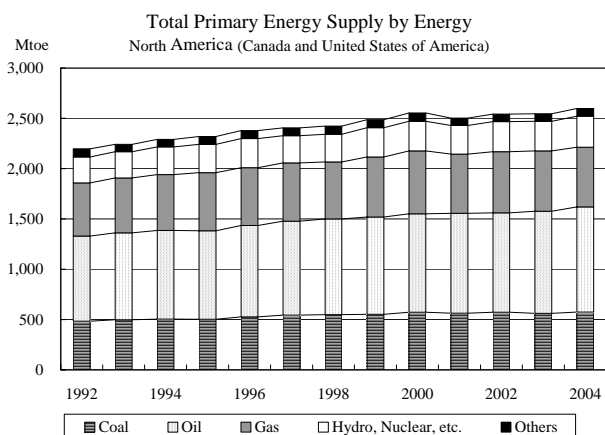


Coal and oil are the major energy sources in Oceania, accounting for 71.4% of total primary energy supply. Oil supply increased by 3.3% though gas supply increased by 0.6% in 2004.

In terms of final energy consumption by sector, the transport sector consumed the highest amount of energy, followed in order by the industrial sector, and the residential/commercial sector.

2.4.4 North America

Primary energy supply in North America increased by 2.1% to 2,597 Mtoe in 2004 and 1.4% per annum from 2,197 Mtoe in 1992. The area accounted for 42.7% share of energy supply in the APEC region in 2004.



The main energy source in North America is oil, and the supply of oil has increased 1.8% per annum over the past 12 years.

In terms of final energy consumption by sector, energy consumption by the industrial and transportation accounted for 19.9% and 38.3% of the total, respectively. The residential/commercial sector consumed 29.3% of the total.

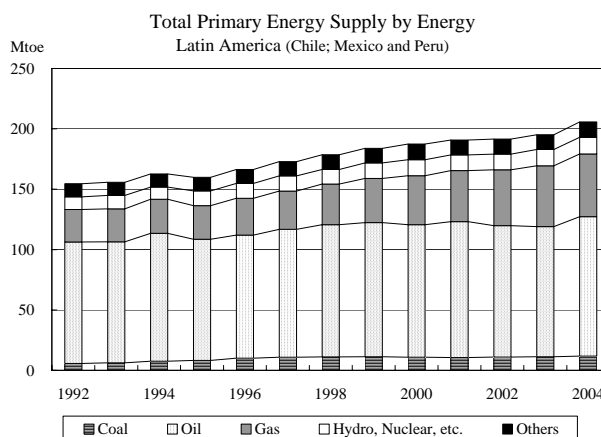
2.4.5 Latin America

Primary energy supply in Latin America grew by 5.4% to 206 Mtoe in 2004, increasing by 2.4% per annum from 154 Mtoe in 1992. Imports of natural gas via pipeline to Chile began in 1999, and this boosted overall growth.

Oil is the major energy source in Latin America and represented 56.1% of the total, followed by gas with a share of 25.3% in 2004.

In terms of final energy consumption by sector, the transport and industrial sectors consumed 41.3% and

28.2% of the total, respectively, in 2004.

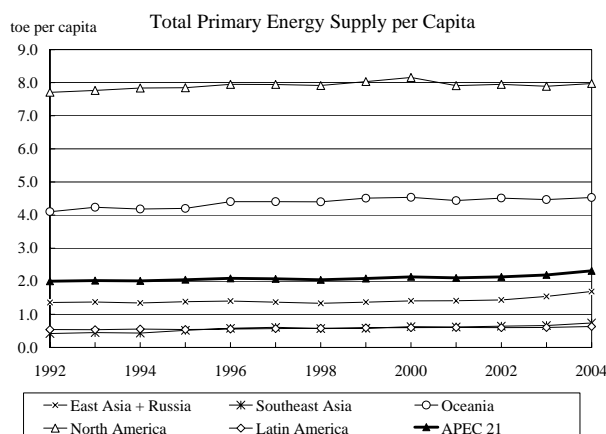


2.5 Other Analyses

This section analyses per capita primary energy consumption, the elasticity of primary energy supply against real GDP and CO₂ Emissions in the region.

2.5.1 Primary Energy Supply Per Capita

North America had the highest primary energy supply (7.97 toe per capita) in the APEC region in 2004, followed in order by Oceania (4.53 toe), East Asia and Russia (1.69 toe), Southeast Asia (0.74 toe) and Latin America (0.63 toe). The average for APEC was 2.32 toe per capita in 2004.

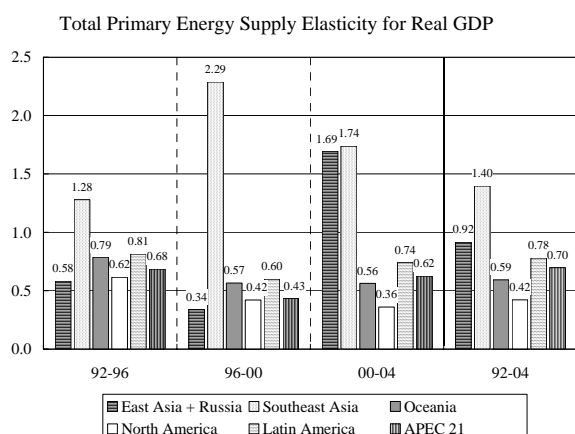


From 1992 to 2004, the APEC average growth rate in

energy per capita was 1.2% per annum (from 2.00 toe per capita). While in Southeast Asia, the growth rate was 4.8% per annum for the last 12 years. North America showed almost no growth (0.3%) over this period.

2.5.2 Elasticity of Primary Energy Supply against Real GDP

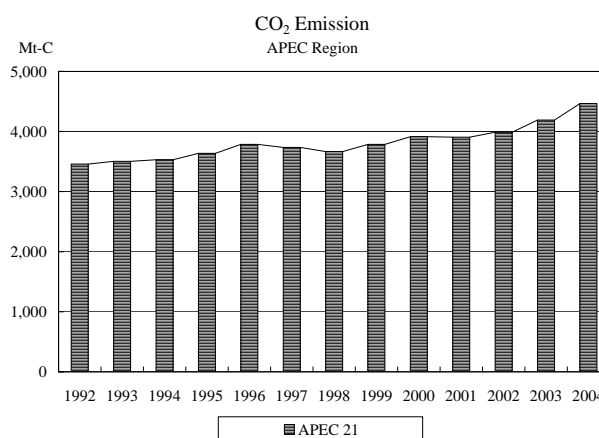
From 1992 to 2004, the elasticity of supply has exceeded 1.0 in Southeast Asia (1.40) over the last 12 years. The converse is true for East Asia and Russia(0.92), Oceania (0.59), North America (0.42, the lowest) and Latin America (0.78). Elasticity for the APEC region as a whole was 0.70. This means that when the GDP of the APEC region increased by one unit, energy supply increased 0.70 units.



2.5.3 CO₂ Emissions from Fuel Combustion

The CO₂ emission data for 2004 were collected from 8 member economies, namely: Australia; Canada; Hong Kong, China; Japan; New Zealand; Chinese Taipei; Thailand and United States. For the other member economies, the Coordinating Agency (The Energy Data and Modelling Center) estimated their CO₂ emissions data. Based on both of the data mentioned above, CO₂ emissions from fuel combustion grew by 6.5% from 4,191 Mt-C in 2003 to 4,463 Mt-C in 2004, or 2.1% per annum from 3,458 Mt-C in 1992. As a result, CO₂ emissions per total primary energy supply, per real GDP

and per population became 0.66 t-C/toe, 185.5 t-C/US Million-dollar (at 2000 price) and 1.53 t-C/capita in 2004 respectively.



3 Member Tables

3.1 Australia

Energy Balance Table of Australia in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	192,611	-	30,643	-	-	-	-	-	-
2 Import	-	-	21,648	6,448	1,651	-	531	-	1,626
3 Export	-141,545	-159	-18,630	-2,271	-637	-	-447	-	-867
4 International Marine Bunkers	-	-	-	-819	-	-	-	-	-88
5 Stock Changes	-1,152	-297	45	-20	-12	-	18	-4	-60
6 Total Primary Energy Supply	49,914	-456	33,707	3,337	1,003	-	102	-4	611
7 Transfers	-	-	2,512	-2,241	-	-	-	-	-
8 Total Transformation Sector	-47,485	1,745	-37,456	35,079	14,481	169	4,193	152	11,659
8.1 Main Activity Producer	-43,890	-569	-	-209	-	-	-	-	-129
8.2 Autoproducers	-	-19	-	-512	-	-	-	-	-207
8.3 Gas Processing	-	-	-	-28	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-37,456	35,850	14,481	169	4,193	152	11,996
8.5 Coal Transformation	-3,595	2,333	-	-22	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-323	-19	-2,483	-	-	-	-	-799
10. Discrepancy	-25	125	1,255	3,800	-153	-138	-	-55	346
11 Total Final Energy Consumption	2,404	1,090	-	37,492	15,331	31	4,295	92	11,817
12 Industry Sector	2,308	1,008	-	3,076	1	31	-	21	1,983
13 Transport Sector	66	-	-	28,742	15,230	-	4,295	-	7,542
14 Other Sector	30	81	-	2,845	100	-	-	71	2,289
14.1 Residential & Commercial	30	81	-	849	-	-	-	71	423
14.2 Agriculture	-	-	-	1,996	100	-	-	-	1,866
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	2,829	-	-	-	-	2

Energy Balance Table of Australia in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	185,241	-	30,668	-	-	-	-	-	-
2 Import	-	-	23,130	4,821	1,356	-	363	3	1,420
3 Export	-135,342	-161	-19,518	-2,597	-862	-	-544	-	-909
4 International Marine Bunkers	-	-	-	-714	-	-	-	-	-83
5 Stock Changes	-1,419	-38	-34	176	16	16	71	-31	76
6 Total Primary Energy Supply	48,481	-199	34,246	1,686	509	16	-110	-28	504
7 Transfers	-	-	246	-894	-	-	-	-	-
8 Total Transformation Sector	-46,551	1,415	-37,593	35,758	14,137	356	4,345	196	11,391
8.1 Main Activity Producer	-43,188	-568	-	-181	-	-	-	-	-129
8.2 Autoproducers	-1	-23	-	-615	-	-	-	-	-309
8.3 Gas Processing	-	-	-	-28	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-37,593	36,607	14,137	356	4,345	196	11,830
8.5 Coal Transformation	-3,362	2,005	-	-25	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-325	-18	-2,551	-	-	-	-	-669
10. Discrepancy	-38	80	3,118	3,338	296	-340	-	-67	613
11 Total Final Energy Consumption	1,892	971	-	37,337	14,943	32	4,236	101	11,839
12 Industry Sector	1,827	898	-	2,931	1	32	-	23	1,889
13 Transport Sector	55	-	-	28,628	14,834	-	4,236	-	7,751
14 Other Sector	10	73	-	2,736	107	-	-	78	2,197
14.1 Residential & Commercial	10	73	-	851	-	-	-	78	442
14.2 Agriculture	-	-	-	1,885	107	-	-	-	1,755
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	3,043	-	-	-	-	2

Energy Balance Table of Australia in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	32,001	1,417	-	123	5,003	-	-	261,798	
1,261	453	-	-	925	-	-	-	-	-	-	-	28,096	
-71	-	-	-	-249	-9,255	-	-	-	-	-	-	-171,859	
-732	-	-	-	-	-	-	-	-	-	-	-	-819	
-29	34	-	-	33	-	-	-	-	-	-	-	-1,424	
430	487	-	-	709	22,747	1,417	-	123	5,003	-	-	115,792	
-	375	-	472	-3,088	-	-	-	-	-	-	-	271	
621	607	1,165	-	2,032	-8,247	-1,417	-	-61	-856	20,597	-	-38,101	
-80	-	-	-	-	-4,986	-1,393	-	-61	-264	19,576	-	-31,795	
-305	-	-	-	-	-2,829	-24	-	-	-593	1,021	-	-2,956	
-	-28	-	-	-	-	-	-	-	-	-	-	-28	
1,028	635	1,165	-	2,032	-	-	-	-	-	-	-	-1,605	
-22	-	-	-	-	-	-	-	-	-	-	-	-1,284	
-	-	-	-	-	-432	-	-	-	-	-	-	-432	
-67	-	-1,073	-26	-518	-2,772	-	-	-	-	-3,505	-	-9,103	
-36	855	0	-	2,981	0	-0	-	-	-	3	-	5,157	
948	2,324	92	446	2,115	11,728	-	-	62	4,146	17,094	-	74,017	
775	173	92	-	-	6,308	-	-	-	2,549	7,685	-	22,935	
171	1,504	-	-	-	338	-	-	-	-	197	-	29,343	
3	382	-	-	-	3,749	-	-	62	1,597	9,212	-	17,576	
3	351	-	-	-	3,746	-	-	62	1,597	9,052	-	15,419	
-	31	-	-	-	2	-	-	-	-	159	-	2,158	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	266	-	446	2,115	1,333	-	-	-	-	-	-	4,162	

Energy Balance Table of Australia in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	31,311	1,397	-	63	5,008	-	-	253,688	
556	173	-	-	950	-	-	-	-	-	-	-	27,951	
-86	-	-	-	-195	-9,152	-	-	-	-	-	-	-166,768	
-632	-	-	-	-	-	-	-	-	-	-	-	-714	
97	-35	-	-	-34	-	-	-	-	-	-	-	-1,315	
-65	138	-	-	722	22,159	1,397	-	63	5,008	-	-	112,841	
-	391	-	459	-1,743	-	-	-	-	-	-	-	-647	
876	1,036	1,316	-	2,105	-8,190	-1,397	-	-61	-754	19,612	-	-37,761	
-52	-	-	-	-	-4,708	-1,373	-	-61	-174	18,502	-	-31,751	
-305	-	-	-	-	-3,074	-24	-	-	-580	1,110	-	-3,206	
-	-28	-	-	-	-	-	-	-	-	-	-	-28	
1,258	1,064	1,316	-	2,105	-	-	-	-	-	-	-	-986	
-25	-	-	-	-	-	-	-	-	-	-	-	-1,382	
-	-	-	-	-	-408	-	-	-	-	-	-	-408	
-95	-	-1,259	-28	-500	-2,525	-	-	-	-	-3,244	-	-8,663	
290	714	31	-	1,801	-0	-0	-	-	-	0	-	6,498	
1,005	2,279	87	431	2,384	11,444	-	-	2	4,254	16,367	-	72,268	
772	127	87	-	-	6,168	-	-	-	2,378	7,298	-	21,500	
230	1,576	-	-	-	317	-	-	-	-	176	-	29,176	
3	350	-	-	-	3,650	-	-	2	1,875	8,894	-	17,240	
3	328	-	-	-	3,648	-	-	2	1,875	8,751	-	15,210	
-	23	-	-	-	2	-	-	-	-	143	-	2,030	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	226	-	431	2,384	1,309	-	-	-	-	-	-	4,352	

Major Energy Indicators of Australia

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	69,279	74,566	76,299	78,988	81,111	86,111	87,535	86,476	88,140
Indigenous Production	86,084	125,763	136,076	145,576	138,579	145,439	157,524	166,970	172,117
Import	13,902	8,843	7,828	10,240	11,239	14,061	14,196	13,496	15,475
Export	-32,208	-62,794	-66,297	-70,176	-75,801	-72,746	-78,868	-93,353	-98,812
Final Energy Consumption	51,533	53,480	54,698	55,978	58,085	60,499	58,063	57,668	58,281
Industry	23,239	22,506	22,941	23,438	24,525	25,711	23,146	22,879	22,597
Transport	17,547	19,465	19,950	20,315	21,208	22,011	22,685	22,284	22,902
Residential & Commercial	8,494	9,198	9,494	9,864	9,994	10,294	10,901	11,158	11,391
Agriculture	1,075	1,245	1,228	1,284	1,259	1,327	1,319	1,337	1,360
Coal, Coal Products									
Primary Energy Supply	26,403	30,318	30,126	31,748	32,414	35,312	34,980	36,316	36,874
Indigenous Production	51,868	81,066	89,563	98,932	91,565	100,432	106,114	114,771	119,160
Import	-	-	-	-	-	-	-	-	-
Export	-28,645	-54,442	-58,222	-61,808	-66,576	-64,929	-67,259	-78,191	-81,999
Transformation Sector	-19,165	-24,037	-23,615	-25,650	-27,045	-28,803	-30,235	-31,454	-32,224
Power Generation	-19,184	-23,761	-23,624	-25,419	-27,017	-28,581	-28,773	-29,787	-30,581
Final Energy Consumption	7,328	5,917	5,944	5,859	5,869	5,976	4,550	4,623	4,635
Industry	7,107	5,665	5,702	5,619	5,642	5,740	4,266	4,360	4,387
Transport	4	88	75	86	79	88	72	77	83
Residential & Commercial	217	163	158	154	148	147	211	186	165
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	29,632	27,150	27,932	28,297	29,297	30,349	32,952	32,381	33,542
Indigenous Production	19,906	25,990	26,641	26,448	26,250	23,721	29,027	29,051	28,688
Import	9,891	6,405	5,432	6,782	8,409	10,587	10,087	10,821	13,336
Export	-107	-4,885	-4,241	-4,788	-5,418	-4,127	-5,856	-7,653	-8,507
Transformation Sector	-29,788	-28,759	-28,300	-27,987	-29,986	-30,533	-30,676	-31,456	-32,683
Petroleum Refineries	-29,788	-28,759	-28,300	-27,987	-29,986	-30,533	-30,675	-31,455	-32,682
Petroleum Products									
Primary Energy Supply	805	714	783	1,109	996	1,425	-431	-1,391	-1,486
Import	4,012	2,438	2,396	3,458	2,830	3,474	4,109	2,675	2,139
Export	-3,456	-3,467	-3,834	-3,580	-3,807	-3,689	-3,404	-3,533	-3,246
Transformation Sector	29,314	28,362	27,982	27,872	30,060	30,420	31,181	31,993	32,667
Power Generation	-1,132	-916	-797	-601	-482	-646	-871	-893	-615
Petroleum Refineries	30,525	29,327	28,829	28,517	30,583	31,124	32,102	32,936	33,333
Final Energy Consumption	27,930	26,717	27,014	27,347	28,631	29,769	30,515	29,805	30,423
Industry	7,003	4,603	4,465	4,412	4,845	5,086	6,307	6,094	6,054
Transport	17,466	19,273	19,763	20,112	20,997	21,774	22,448	21,947	22,535
Residential & Commercial	1,327	691	648	638	616	615	635	632	665
Agriculture	956	1,093	1,071	1,119	1,083	1,151	1,114	1,122	1,137
Natural Gas									
Primary Energy Supply	7,794	11,249	12,268	12,648	13,123	13,495	14,790	13,849	14,342
Indigenous Production	7,794	11,249	12,268	12,648	13,123	13,495	17,140	17,826	19,403
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-2,350	-3,977	-5,060
Transformation Sector	-1,622	-2,528	-3,114	-3,004	-3,327	-3,385	-4,082	-3,150	-3,339
Power Generation	-1,642	-2,391	-2,894	-2,779	-3,010	-3,092	-3,471	-2,611	-2,836
Final Energy Consumption	5,851	8,286	8,660	9,185	9,361	9,672	8,626	8,684	8,852
Industry	4,366	6,198	6,470	6,832	7,056	7,277	5,996	5,903	5,919
Transport	-	-	-	-	-	-	10	102	123
Residential & Commercial	1,485	2,079	2,181	2,343	2,294	2,385	2,619	2,678	2,809
Agriculture	-	-	-	-	-	-	1	1	1
Electricity									
Power Generation	8,261	10,403	10,871	11,388	11,948	12,696	13,337	13,489	13,730
Thermal	7,076	9,116	9,537	10,137	10,662	11,404	12,057	12,104	12,374
Hydro	1,185	1,287	1,334	1,251	1,287	1,292	1,280	1,385	1,356
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	6,966	8,713	9,224	9,654	10,232	10,842	11,112	11,328	11,435
Industry	2,948	3,928	4,195	4,407	4,761	5,175	5,090	5,115	5,174
Transport	77	103	112	117	131	149	155	157	162
Residential & Commercial	3,821	4,531	4,760	4,964	5,165	5,341	5,663	5,840	5,877
Agriculture	119	152	157	165	176	177	204	215	222

Major Energy Indicators of Australia (Continued)

												ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
92,654	92,835	94,345	100,865	102,132	103,769	107,598	109,493	108,230	111,837	112,841	115,792	
174,906	173,425	186,870	189,755	199,807	213,361	212,291	232,199	248,841	254,431	253,688	261,798	
19,677	20,159	20,634	23,366	24,258	23,668	28,047	26,259	27,283	28,011	27,951	28,096	
-104,130	-103,759	-110,018	-113,708	-126,307	-134,650	-137,399	-152,841	-160,989	-167,699	-166,768	-171,859	
60,525	61,900	64,170	66,249	67,715	68,997	70,045	71,977	72,916	70,924	72,268	74,017	
23,631	24,585	25,152	25,851	26,387	26,998	27,346	28,086	28,817	25,726	25,852	27,097	
23,426	24,062	25,154	26,150	26,697	26,956	27,445	28,240	28,289	28,313	29,176	29,343	
12,072	11,806	12,384	12,764	13,090	13,471	13,648	14,022	14,173	15,081	15,210	15,419	
1,388	1,437	1,472	1,477	1,531	1,564	1,602	1,629	1,637	1,805	2,030	2,158	
37,543	37,081	37,555	40,686	43,114	44,697	47,182	47,200	48,148	49,040	48,282	49,458	
119,985	118,694	127,836	129,968	139,477	149,313	153,291	163,231	178,156	184,347	185,241	192,611	
-	-	-	-	-	-	-	-	-	-	-	-	
-85,608	-85,113	-88,590	-91,318	-101,452	-107,309	-111,093	-120,767	-124,822	-132,584	-135,502	-141,704	
-32,342	-31,905	-32,486	-35,545	-37,148	-40,109	-40,737	-40,997	-43,995	-45,793	-45,136	-45,740	
-30,783	-30,380	-30,936	-34,143	-35,376	-38,595	-39,207	-39,629	-42,734	-44,597	-43,779	-44,478	
4,738	4,701	4,647	4,417	4,605	4,489	4,375	4,165	3,949	3,001	2,863	3,494	
4,496	4,473	4,423	4,221	4,415	4,318	4,217	4,007	3,744	2,853	2,724	3,316	
86	82	86	85	92	90	88	88	110	58	55	66	
156	145	138	112	98	81	69	69	95	91	83	111	
-	-	-	-	-	-	-	-	-	-	-	-	
35,833	35,285	35,168	37,784	37,036	37,185	36,305	36,523	33,682	33,954	34,246	33,707	
28,408	26,740	28,365	27,877	28,222	31,141	25,059	33,911	35,017	32,970	30,668	30,643	
16,917	17,309	17,479	20,169	20,526	20,755	24,457	22,260	23,136	23,979	23,130	21,648	
-9,412	-8,835	-10,372	-10,066	-11,926	-14,211	-13,613	-19,365	-23,535	-23,377	-19,518	-18,630	
-33,711	-34,131	-34,706	-36,407	-37,427	-38,621	-37,654	-37,539	-36,171	-37,515	-37,593	-37,456	
-33,710	-34,130	-34,705	-36,406	-37,426	-38,620	-37,653	-37,538	-36,170	-37,515	-37,593	-37,456	
-1,289	-628	-791	-666	-1,500	-2,075	-688	-22	-462	617	1,686	3,337	
2,760	2,849	3,156	3,197	3,732	2,913	3,590	4,000	4,147	4,031	4,821	6,448	
-3,165	-2,917	-2,800	-3,475	-4,302	-4,184	-3,549	-3,443	-3,826	-2,852	-2,597	-2,271	
34,160	34,766	35,594	37,054	37,651	38,131	37,500	37,834	36,344	35,873	35,758	35,079	
-619	-644	-723	-722	-559	-572	-484	-498	-583	-872	-796	-721	
34,827	35,441	36,363	37,818	38,251	38,746	38,026	38,376	36,975	36,800	36,607	35,850	
31,347	32,124	33,420	34,693	35,186	35,581	36,075	37,223	37,135	36,080	37,337	37,492	
6,429	6,609	6,803	7,098	7,021	7,150	7,172	7,535	7,458	5,859	5,974	5,905	
23,031	23,646	24,709	25,688	26,204	26,446	26,903	27,647	27,642	27,741	28,628	28,742	
701	657	653	651	651	648	638	661	650	820	851	849	
1,177	1,204	1,248	1,250	1,300	1,327	1,359	1,381	1,386	1,660	1,885	1,996	
14,924	15,593	16,743	16,807	16,927	17,615	18,360	19,275	20,312	21,453	22,159	22,747	
20,870	22,488	24,999	25,656	25,553	26,561	27,503	28,540	29,117	30,340	31,311	32,001	
-	-	-	-	-	-	-	-	-	-	-	-	
-5,946	-6,895	-8,256	-8,849	-8,626	-8,946	-9,144	-9,265	-8,806	-8,887	-9,152	-9,255	
-3,435	-3,653	-4,095	-3,674	-3,548	-3,776	-4,224	-4,427	-4,787	-8,067	-8,190	-8,247	
-2,931	-3,145	-3,561	-3,182	-3,098	-3,334	-3,858	-4,060	-4,413	-7,661	-7,782	-7,815	
9,066	9,487	9,959	10,112	10,284	10,621	10,851	11,389	12,014	10,942	11,444	11,728	
5,984	6,402	6,597	6,547	6,652	6,840	7,050	7,458	7,970	7,021	7,477	7,641	
146	168	188	199	217	232	259	304	329	327	317	338	
2,935	2,916	3,173	3,365	3,415	3,548	3,541	3,627	3,714	3,592	3,648	3,746	
1	1	1	0	0	0	0	0	0	2	2	2	
14,082	14,406	14,909	15,278	15,751	16,852	17,490	17,867	18,649	19,464	19,612	20,597	
12,615	12,975	13,512	13,893	14,268	15,463	16,025	16,393	17,205	18,085	18,215	19,179	
1,468	1,432	1,397	1,385	1,483	1,388	1,465	1,474	1,444	1,379	1,397	1,417	
-	-	-	-	-	-	-	-	-	-	-	-	
11,771	12,090	12,460	12,811	13,233	14,034	14,492	14,857	15,515	16,341	16,367	17,094	
5,341	5,555	5,599	5,649	5,788	6,291	6,511	6,624	7,260	7,447	7,298	7,685	
163	166	171	178	183	188	195	201	209	187	176	197	
6,058	6,136	6,467	6,758	7,031	7,319	7,543	7,784	7,796	8,565	8,751	9,052	
210	232	224	227	231	237	243	248	251	142	143	159	

Major Economic Indicators of Australia

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	14.69	15.76	16.02	16.26	16.53	16.81	17.07	17.28
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	202.90	235.03	240.55	253.45	263.69	273.55	273.23	273.93
Real Term (Billions of 2000 Price and 2000 PPP)	255.76	296.26	303.22	319.48	332.39	344.82	344.42	345.29
Nominal (Billions of Current USD)	166.09	173.60	182.00	217.49	274.88	304.35	310.53	316.71
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	13,810	14,915	15,017	15,583	15,950	16,269	16,011	15,849
Real Term (2000 Price and 2000 PPP)	17,408	18,800	18,929	19,643	20,106	20,508	20,183	19,978
Nominal (Current USD)	11,305	11,017	11,362	13,372	16,627	18,101	18,197	18,324
Nominal GDP & its Components (Billions of Current AUD) *1								
Gross Domestic Product	145.87	248.58	272.26	310.61	351.83	384.88	397.80	406.58
Household Final Consumption Expenditure, etc.	84.10	144.50	158.64	177.45	197.43	218.73	233.73	245.49
General Government Final Consumption Expenditure	27.09	49.71	54.23	58.22	63.12	68.51	74.54	79.43
Gross Fixed Capital Formation	39.18	65.14	70.60	80.44	94.56	99.88	90.27	85.14
Stock Change	0.45	0.87	-1.72	0.49	3.56	5.09	-1.37	-2.20
Exports of Goods and Services	22.60	38.95	44.31	51.74	55.35	60.90	66.26	70.08
Imports of Goods and Services	25.53	47.20	49.03	54.08	62.30	68.77	66.95	69.27
Real GDP & its Components (Billions of 2000 AUD) *1								
Gross Domestic Product	349.97	405.38	414.90	437.15	454.83	471.83	471.28	472.47
Household Final Consumption Expenditure, etc.	214.60	248.50	251.14	259.39	271.26	284.46	286.33	292.12
General Government Final Consumption Expenditure	65.47	80.16	82.70	85.32	87.60	89.58	92.63	94.52
Gross Fixed Capital Formation	74.95	86.42	86.17	92.62	102.20	103.06	92.88	88.29
Stock Change	0.63	0.83	-1.62	0.80	3.45	4.88	-0.87	-1.99
Exports of Goods and Services	39.75	52.77	58.37	63.65	64.66	67.85	75.77	82.60
Imports of Goods and Services	46.22	58.23	55.48	61.63	76.60	80.82	76.20	78.98
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	3.4	3.7	3.6	3.3	3.3	3.4	3.6	3.4
Industry	28.1	26.4	25.8	26.5	27.2	26.7	26.4	25.7
Services, etc.	59.0	60.6	61.7	61.2	60.4	60.8	61.1	62.1
Industrial Production Index (2000=100) *2	59.0	67.8	67.6	70.8	74.7	78.1	80.0	77.2
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	21.944	22.604	22.569	26.621	33.233	37.125	39.752	41.854
Imports, c.i.f.	22.399	25.889	26.104	29.318	36.095	44.933	41.985	41.648
Balance of Payments (Billions of Current USD) *2								
Trade Balance	1.371	-0.968	-1.820	0.492	-0.677	-3.350	0.358	3.528
Current Account	-4.447	-9.172	-9.807	-7.966	-11.749	-17.866	-15.950	-10.986
Overall Balance	0.448	-2.301	0.703	0.374	5.279	0.601	1.740	-0.324
Foreign Exchange Rate (AUD/USD) *1	0.8782	1.4319	1.4960	1.4282	1.2799	1.2646	1.2811	1.2838
Purchasing Power Parity (AUD/International Dollar) *1	1.0657	1.1995	1.2608	1.3231	1.3859	1.4024	1.3864	1.3739
Price Indices								
GDP Deflator (2000=100) *3	41.7	61.3	65.6	71.1	77.4	81.6	84.4	86.1
Manufacturing Output Price Index (2000=100) *2	44.3	63.6	67.2	72.1	78.6	82.6	87.6	88.8
Consumer Price Index (2000=100) *2	36.8	54.9	59.9	64.9	69.6	74.9	80.4	82.9
Growth Rate (%) *3								
Real GDP	3.26	4.29	2.35	5.36	4.04	3.74	-0.12	0.25
Population	1.23	1.38	1.65	1.53	1.65	1.71	1.49	1.28
Price								
Manufacturing Output Price Index	14.0	6.6	5.6	7.3	9.1	5.1	6.0	1.5
Consumer Price Index	10.1	6.7	9.1	8.5	7.2	7.6	7.3	3.2

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. shows "not available"

: AUD shows Australian Dollar, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Australia (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
17.49	17.66	17.96	18.07	18.31	18.53	18.71	18.93	19.15	19.41	19.64	19.87	20.11
283.92	294.99	307.41	320.52	332.67	347.51	365.96	379.72	387.53	402.57	415.49	431.16	444.10
357.89	371.84	387.49	404.03	419.34	438.05	461.31	478.65	488.50	507.45	523.73	543.49	559.80
312.82	303.52	343.75	371.57	413.19	414.98	370.39	402.25	387.53	368.89	411.91	527.41	637.35
16,232	16,702	17,121	17,736	18,168	18,752	19,559	20,064	20,234	20,737	21,154	21,696	22,082
20,460	21,053	21,581	22,357	22,901	23,637	24,654	25,291	25,505	26,140	26,665	27,348	27,835
17,883	17,185	19,145	20,560	22,565	22,393	19,795	21,254	20,234	19,002	20,972	26,539	31,692
425.95	446.35	470.17	501.26	527.99	559.14	589.60	623.46	668.43	713.23	758.15	813.23	866.64
255.28	265.25	281.80	299.60	312.76	333.11	352.23	372.51	401.47	424.83	453.20	484.94	N.A.
82.92	84.32	87.63	92.86	96.08	101.23	108.14	113.14	119.97	127.33	136.85	145.84	N.A.
91.44	98.46	109.35	111.60	117.59	129.47	139.00	150.61	145.36	161.94	184.80	199.25	N.A.
0.41	1.29	1.39	-0.81	-0.01	0.06	4.66	1.79	1.06	0.51	2.17	4.68	N.A.
76.90	83.02	87.65	99.10	105.16	113.74	112.03	126.22	153.76	153.20	148.29	143.37	N.A.
79.08	85.40	97.65	101.08	103.59	118.48	126.46	140.81	153.20	154.57	167.17	167.17	N.A.
489.72	508.80	530.22	552.85	573.80	599.39	631.22	654.96	668.43	694.36	716.64	743.68	765.99
297.54	304.43	319.37	331.51	341.12	357.51	374.77	389.97	401.47	413.78	430.34	454.29	N.A.
96.20	96.92	100.06	104.24	105.86	109.96	114.53	118.01	119.97	122.48	127.24	130.41	N.A.
93.93	99.94	110.98	113.29	122.26	134.22	143.44	155.05	145.36	160.77	182.24	194.52	N.A.
0.66	0.97	2.43	-0.21	-0.63	-0.04	4.16	2.88	1.06	1.29	1.66	4.49	N.A.
88.11	96.67	101.37	111.75	123.46	128.02	130.63	143.15	153.76	151.90	150.95	153.26	N.A.
83.94	89.57	104.37	108.58	119.36	130.96	137.29	154.93	153.20	156.08	176.48	198.35	N.A.
3.5	3.5	2.7	3.3	3.4	3.2	3.4	3.4	3.4	3.4	2.5	3.1	N.A.
25.4	25.5	25.4	25.1	24.6	24.7	24.2	24.0	23.4	23.4	23.8	23.3	N.A.
62.3	62.2	62.6	62.5	62.9	62.8	63.2	63.4	64.4	64.2	64.5	64.4	N.A.
77.1	79.3	83.3	84.3	87.4	89.1	91.8	94.8	100.0	100.1	102.6	103.6	103.5
42.824	42.723	47.528	53.111	60.301	62.910	55.893	56.080	63.870	63.387	65.033	71.546	86.423
43.807	45.577	53.425	61.283	65.427	65.892	64.630	69.158	71.529	63.888	72.690	89.084	109.376
1.643	-0.029	-3.277	-4.223	-0.635	1.849	-5.332	-9.761	-4.841	1.736	-5.517	-15.335	-18.142
-11.124	-9.683	-17.145	-19.323	-15.810	-12.384	-18.050	-22.335	-15.412	-8.425	-17.280	-30.736	-39.658
-4.726	-0.042	-0.960	0.396	2.471	2.873	-2.040	6.705	-1.365	1.096	0.122	6.877	1.166
1.3616	1.4706	1.3678	1.3490	1.2779	1.3474	1.5918	1.5500	1.7248	1.9334	1.8406	1.5419	1.3598
1.3661	1.3517	1.3279	1.3311	1.3305	1.3323	1.3211	1.3302	1.3683	1.3700	1.3843	1.3999	1.4166
87.0	87.7	88.7	90.7	92.0	93.3	93.4	95.2	100.0	102.7	105.8	109.4	113.1
90.2	92.0	92.7	96.6	96.9	98.1	94.2	93.3	100.0	103.1	103.3	103.8	107.9
83.8	85.3	86.9	90.9	93.3	93.5	94.3	95.7	100.0	104.4	107.5	110.5	113.1
3.65	3.90	4.21	4.27	3.79	4.46	5.31	3.76	2.06	3.88	3.21	3.77	3.00
1.20	0.97	1.66	0.65	1.32	1.21	0.96	1.15	1.20	1.36	1.17	1.18	1.20
1.5	2.0	0.8	4.2	0.3	1.2	-4.0	-0.9	7.1	3.1	0.2	0.5	4.0
1.0	1.8	1.9	4.6	2.6	0.3	0.9	1.5	4.5	4.4	3.0	2.8	2.3

Original Table (Quarterly) of Australia in 2005

Coal

Unit: Mt

		Production	Imports	Exports	Stock Changes
2005	JAN.	-	-	20	-
	FEB.	-	-	19	-
	MAR.	-	-	19	-
	1st quarter	72	-	57	-
	APR.	-	-	20	-
	MAY.	-	-	20	-
	JUN.	-	-	19	-
	2nd quarter	77	-	60	-
	JUL.	-	-	20	-
	AUG.	-	-	19	-
	SEP.	-	-	20	-
	3rd quarter	76	-	59	-
	OCT.	-	-	21	-
	NOV.	-	-	17	-
	DEC.	-	-	18	-
	4th quarter	76	-	57	-
		301	-	233	-

Oil

Unit: kt

		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	1,646	1,344	933	-47	909	278	389
	FEB.	1,325	1,622	868	121	586	379	-281
	MAR.	1,612	2,097	899	192	718	209	-176
	1st quarter	4,583	5,063	2,700	266	2,213	866	-68
	APR.	1,569	1,607	979	-120	755	209	-10
	MAY.	1,655	1,512	1,037	227	1,104	248	-190
	JUN.	1,803	1,700	965	-43	966	172	62
	2nd quarter	5,027	4,819	2,981	64	2,825	629	-138
	JUL.	1,818	1,805	1,250	-64	900	333	353
	AUG.	1,707	1,362	869	-132	781	229	-441
	SEP.	1,650	1,282	822	61	831	324	145
	3rd quarter	5,175	4,449	2,941	-135	2,512	886	57
	OCT.	1,532	1,808	776	-48	644	202	366
	NOV.	1,863	1,326	950	-91	1,141	278	-304
	DEC.	1,600	1,486	979	-228	1,165	307	95
	4th quarter	4,995	4,620	2,705	-367	2,950	787	157
		19,780	18,951	11,327	-172	10,500	3,168	8

Original Table (Quarterly) of Australia in 2005 (Continued)

Natural Gas (or LNG)		Unit: Mm ³			
	Production	Imports	Exports	Stock Changes	
2005	JAN.	3,111	-	-	-
	FEB.	2,441	-	-	-
	MAR.	2,937	-	-	-
	1st quarter	8,489	-	2,650	-
	APR.	3,094	-	-	-
	MAY.	3,407	-	-	-
	JUN.	2,941	-	-	-
	2nd quarter	9,442	-	2,650	-
	JUL.	3,680	-	-	-
	AUG.	3,424	-	-	-
	SEP.	2,796	-	-	-
	3rd quarter	9,900	-	2,925	-
	OCT.	3,071	-	-	-
	NOV.	3,176	-	-	-
	DEC.	3,033	-	-	-
	4th quarter	9,280	-	3,020	-
	37,111	-	11,245	-	

Electricity		Unit: GWh					Imports	Exports
		Gross Generation						
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	-	-	-	-	-	-	-
	FEB.	-	-	-	-	-	-	-
	MAR.	-	-	-	-	-	-	-
	1st quarter	-	-	-	-	-	-	-
	APR.	-	-	-	-	-	-	-
	MAY.	-	-	-	-	-	-	-
	JUN.	-	-	-	-	-	-	-
	2nd quarter	-	-	-	-	-	-	-
	JUL.	-	-	-	-	-	-	-
	AUG.	-	-	-	-	-	-	-
	SEP.	-	-	-	-	-	-	-
	3rd quarter	-	-	-	-	-	-	-
	OCT.	-	-	-	-	-	-	-
	NOV.	-	-	-	-	-	-	-
	DEC.	-	-	-	-	-	-	-
	4th quarter	-	-	-	-	-	-	-
		-	-	-	-	-	-	

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.2 Brunei Darussalam

Energy Balance Table of Brunei Darussalam in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	10,492	-	-	-	-	-	-
2 Import	-	-	-	14	-	-	-	-	-
3 Export	-	-	-9,926	-88	-	-	-	-	-
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	-35	-1	2	-	-2	-	-1
6 Total Primary Energy Supply	-	-	531	-75	2	-	-2	-	-1
7 Transfers	-	-	110	-	-	-	-	-	-
8 Total Transformation Sector	-	-	-641	632	215	-	86	-	172
8.1 Main Activity Producer	-	-	-	-6	-	-	-	-	-6
8.2 Autoproducers	-	-	-	-1	-	-	-	-	-1
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-641	639	215	-	86	-	179
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-78	-1	-	-	-	-23
10. Discrepancy	-	-	0	4	-1	-	2	-	0
11 Total Final Energy Consumption	-	-	-	482	215	-	86	-	148
12 Industry Sector	-	-	-	39	-	-	2	-	37
13 Transport Sector	-	-	-	409	215	-	83	-	111
14 Other Sector	-	-	-	17	-	-	1	-	1
14.1 Residential & Commercial	-	-	-	16	-	-	-	-	0
14.2 Agriculture	-	-	-	0	-	-	-	-	0
14.3 Other	-	-	-	1	-	-	1	-	-
15 Non-energy	-	-	-	17	-	-	-	-	-

Note: Above Energy Balance Table were estimated by CA.

Energy Balance Table of Brunei Darussalam in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	10,296	-	-	-	-	-	-
2 Import	-	-	-	13	-	-	0	-	-
3 Export	-	-	-9,637	-0	-0	-	-	-	-
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	13	-1	-4	-	1	-	1
6 Total Primary Energy Supply	-	-	672	12	-4	-	1	-	1
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-	-	-658	591	201	-	80	-	153
8.1 Main Activity Producer	-	-	-	-6	-	-	-	-	-6
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	14	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-658	583	201	-	80	-	159
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-14	-173	-5	-	-3	-	-23
10. Discrepancy	-	-	-0	11	6	-	1	2	3
11 Total Final Energy Consumption	-	-	-	442	198	-	80	2	134
12 Industry Sector	-	-	-	40	-	-	-	2	39
13 Transport Sector	-	-	-	371	198	-	77	-	95
14 Other Sector	-	-	-	15	-	-	-	1	0
14.1 Residential & Commercial	-	-	-	15	-	-	-	1	0
14.2 Agriculture	-	-	-	0	-	-	-	-	0
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	14	-	-	-	-	-

Energy Balance Table of Brunei Darussalam in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	11,401	-	-	-	3	-	-	21,895	
-	-	-	-	14	-	-	-	-	0	-	-	14	
-86	-	-	-	-2	-9,826	-	-	-	-	-	-	-19,841	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	0	-	-	0	-	-	-	-	-	-	-	-36	
-86	0	-	-	12	1,574	-	-	-	3	-	-	2,033	
-	-	-	-	-	-	-	-	-	-	-	-	110	
86	16	55	-	2	-1,110	-	-	-	-0	278	-	-842	
-	-	-	-	-	-997	-	-	-	-	250	-	-753	
-	-	-	-	-	-113	-	-	-	-	28	-	-86	
-	-	-	-	-	-	-	-	-	-	-	-	-	
86	16	55	-	2	-	-	-	-	-	-	-	-3	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-0	-	-	-0	
-	-	-55	-	-	-449	-	-	-	-	-16	-	-544	
-	-1	-	-	3	-0	-	-	-	-	-	-	4	
-	16	-	-	17	14	-	-	-	3	262	-	762	
-	-	-	-	-	-	-	-	-	-	54	-	93	
-	-	-	-	-	-	-	-	-	-	-	-	409	
-	16	-	-	-	14	-	-	-	3	208	-	242	
-	16	-	-	-	14	-	-	-	3	104	-	137	
-	-	-	-	-	-	-	-	-	-	-	-	0	
-	-	-	-	-	-	-	-	-	-	104	-	105	
-	-	-	-	17	-	-	-	-	-	-	-	17	

Energy Balance Table of Brunei Darussalam in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	11,479	-	-	-	-	-	-	21,774	
-	-	-	-	13	-	-	-	-	-	-	-	13	
-	-	-	-	-	-8,396	-	-	-	-	-	-	-18,033	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	0	-	-	1	30	-	-	-	-	-	-	43	
-	0	-	-	14	3,113	-	-	-	-	-	-	3,798	
-	-	-	-	-	-	-	-	-	-	-	-	-	
73	14	69	-	-	-2,640	-	-	-	-	272	-	-2,434	
-	-	-	-	-	-1,073	-	-	-	-	242	-	-837	
-	-	-	-	-	-886	-	-	-	-	30	-	-855	
-	14	-	-	-	-681	-	-	-	-	-	-	-667	
73	-	69	-	-	-	-	-	-	-	-	-	-75	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-73	-	-69	-	-	-294	-	-	-	-	-39	-	-519	
-	-1	-	-	-0	-152	-	-	-	-	-0	-	-141	
-	14	-	-	14	27	-	-	-	-	233	-	703	
-	-	-	-	-	-	-	-	-	-	54	-	94	
-	-	-	-	-	-	-	-	-	-	-	-	371	
-	14	-	-	-	27	-	-	-	-	180	-	222	
-	14	-	-	-	27	-	-	-	-	180	-	222	
-	-	-	-	-	-	-	-	-	-	-	-	0	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	14	-	-	-	-	-	-	-	14	

Major Energy Indicators of Brunei Darussalam

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	3,245	1,880	2,052	1,925	1,416	2,259	2,071	3,184	2,081
Indigenous Production	20,664	14,693	14,383	14,271	14,786	14,902	15,259	16,808	16,785
Import	215	40	29	37	37	71	80	70	42
Export	-17,589	-12,512	-11,970	-12,107	-13,122	-13,005	-12,977	-13,764	-14,688
Final Energy Consumption	241	401	383	416	440	419	417	407	526
Industry	39	43	39	49	55	48	53	59	27
Transport	165	246	232	253	262	242	255	238	323
Residential & Commercial	37	113	112	115	123	119	108	109	114
Agriculture	-	-	-	-	-	-	-	-	5
Coal, Coal Products									
Primary Energy Supply	-	-	-	-	-	-	-	-	-
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-	-	-
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	167	50	104	78	-133	559	38	1,003	461
Indigenous Production	12,121	7,499	7,420	6,945	7,576	7,576	7,677	9,031	8,892
Import	-	-	-	-	-	67	76	30	-
Export	-11,919	-7,108	-6,925	-6,591	-7,424	-7,374	-7,424	-8,132	-8,373
Transformation Sector	-	-223	-285	-256	-253	54	65	-312	-520
Petroleum Refineries	-	-223	-285	-256	-253	-302	-321	-312	-520
Petroleum Products									
Primary Energy Supply	215	34	23	32	32	1	0	37	42
Import	215	40	29	37	37	5	4	40	42
Export	-	-6	-6	-5	-5	-4	-3	-5	-
Transformation Sector	-	220	255	257	270	304	314	267	525
Power Generation	-	-1	-2	-2	-2	-3	-3	-3	-3
Petroleum Refineries	-	188	239	241	255	279	290	251	528
Final Energy Consumption	215	314	299	315	329	302	309	289	355
Industry	31	27	24	20	23	14	17	39	-
Transport	165	246	232	253	262	242	255	238	323
Residential & Commercial	19	42	44	43	44	36	37	12	4
Agriculture	-	-	-	-	-	-	-	-	-
Natural Gas									
Primary Energy Supply	2,863	1,796	1,924	1,815	1,517	1,698	2,033	2,144	1,579
Indigenous Production	8,543	7,194	6,962	7,326	7,210	7,326	7,583	7,778	7,893
Import	-	-	-	-	-	-	-	-	-
Export	-5,670	-5,398	-5,038	-5,511	-5,692	-5,628	-5,549	-5,628	-6,315
Transformation Sector	-1,726	-1,848	-2,171	-1,618	-2,041	-2,034	-1,226	-2,330	-402
Power Generation	-733	-955	-960	-945	-1,410	-1,470	-517	-1,740	-505
Final Energy Consumption	-	36	36	36	36	36	25	30	61
Industry	-	-	-	-	-	-	-	-	5
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	36	36	36	36	36	25	30	32
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	33	61	65	81	91	94	101	109	119
Thermal	33	61	65	81	91	94	101	109	119
Hydro	-	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	26	51	48	65	75	81	82	88	109
Industry	8	16	15	29	32	34	36	20	22
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	18	35	33	36	43	47	46	68	78
Agriculture	-	-	-	-	-	-	-	-	5

Major Energy Indicators of Brunei Darussalam (Continued)

ktoe

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
2,669	2,392	2,712	2,811	2,890	2,912	2,529	2,701	2,422	3,320	3,798	2,033
16,463	16,886	17,395	16,889	16,774	16,238	16,486	17,411	17,519	20,769	21,774	21,895
10	25	36	88	106	38	22	22	8	19	13	14
-13,804	-14,466	-14,678	-14,251	-13,789	-13,475	-13,896	-14,845	-15,086	-17,516	-18,033	-19,841
526	564	632	735	801	748	665	636	635	689	703	762
52	113	109	120	130	108	94	91	84	93	94	93
314	314	330	361	389	358	324	324	337	360	371	409
155	113	150	187	217	223	233	198	203	224	222	137
6	6	-	0	1	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
437	491	534	537	588	606	569	566	565	647	672	531
8,535	8,676	8,465	8,027	7,912	7,664	8,386	9,006	9,072	10,124	10,296	10,492
-	-	-	-	-	-	-	-	-	-	-	-
-8,071	-8,197	-7,900	-7,573	-7,153	-7,130	-7,746	-8,541	-8,475	-9,521	-9,637	-9,926
-498	-503	-534	-546	-612	-632	-582	-573	-569	-646	-658	-641
-498	-503	-534	-546	-612	-632	-582	-573	-569	-646	-658	-641
10	9	40	84	100	42	18	22	10	14	12	-75
10	25	36	88	106	38	22	22	8	19	13	14
-	-4	-0	-1	-1	-1	-0	-1	-0	-0	-0	-88
401	392	540	526	602	629	528	573	525	569	591	632
-4	-	-4	-4	-5	-5	-4	-5	-	-6	-6	-7
405	382	533	518	595	622	520	566	513	561	583	639
355	416	451	505	548	491	400	401	395	434	442	482
29	72	65	70	81	60	48	40	33	39	40	39
314	314	330	361	389	358	324	324	337	360	371	409
13	12	13	15	16	14	15	14	14	24	15	16
-	-	-	0	1	0	0	0	0	0	0	0
2,222	1,893	2,138	2,190	2,202	2,265	1,943	2,113	1,847	2,660	3,113	1,574
7,927	8,210	8,931	8,861	8,862	8,573	8,101	8,405	8,448	10,644	11,479	11,401
-	-	-	-	-	-	-	-	-	-	-	-
-5,733	-6,265	-6,778	-6,676	-6,635	-6,344	-6,150	-6,302	-6,611	-7,995	-8,396	-9,826
-1,640	-1,331	-1,886	-1,989	-2,022	-2,209	-1,226	-1,378	-1,835	-2,277	-2,640	-1,110
-527	-667	-1,312	-1,336	-1,443	-1,462	-1,219	-1,378	-1,419	-1,891	-1,959	-1,110
61	17	33	26	25	24	23	22	26	30	27	14
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
61	17	33	26	25	24	23	22	26	30	27	14
-	-	-	-	-	-	-	-	-	-	-	-
133	143	188	215	233	241	235	244	250	259	272	278
133	143	188	215	233	241	235	244	250	259	272	278
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
109	131	149	204	228	234	241	213	214	225	233	262
23	41	44	50	49	49	46	51	52	54	54	54
-	-	-	-	-	-	-	-	-	-	-	-
80	84	104	147	176	185	195	161	163	170	180	104
6	6	-	-	-	-	-	-	-	-	-	-

Major Economic Indicators of Brunei Darussalam

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	0.19	0.22	0.23	0.24	0.24	0.25	0.26	0.26
Gross Domestic Product *4								
Real Term (Billions of 2000 Price and 2000 USD)	4.43	3.68	3.58	3.65	3.69	3.65	3.75	3.91
Real Term (Billions of 2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	319.48	N.A.	N.A.	N.A.	N.A.
Nominal (Billions of Current USD)	4.93	3.52	2.36	2.75	2.69	3.00	3.59	3.83
GDP per Capita *4								
Real Term (2000 Price and 2000 USD)	22,974	16,507	15,612	15,479	15,210	14,625	14,606	14,774
Real Term (2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Nominal (Current USD)	25,534	15,800	10,282	11,671	11,081	11,997	13,973	14,498
Nominal GDP & its Components (Billions of Current BND) *1,*3								
Gross Domestic Product	10.55	7.75	5.14	5.80	5.41	5.85	6.51	6.62
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gross Fixed Capital Formation	N.A.	N.A.	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.	N.A.	N.A.
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Real GDP & its Components (Billions of 1974 BND) *1,*3								
Gross Domestic Product	4.26	3.54	3.44	3.51	3.55	3.51	3.61	3.75
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gross Fixed Capital Formation	N.A.	N.A.	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.	N.A.	N.A.
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sectional Shares of Real GDP (%) *4								
Agriculture, Fishery and Forest	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Industry	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Services, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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.	4.581	2.972	1.797	1.902	1.708	1.883	2.213	2.682
Imports, c.i.f.	0.572	0.615	0.656	0.641	0.744	0.859	1.001	1.208
Balance of Payments (Billions of Current USD)								
Trade Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Current Account	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Overall Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Foreign Exchange Rate (BND/USD) *1	2.1412	2.2002	2.1774	2.1060	2.0124	1.9503	1.8125	1.7276
Purchasing Power Parity (BND/International Dollar) *1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Price Indices								
GDP Deflator (1974=100) *4	247.8	219.3	149.3	165.3	152.7	166.6	180.5	176.5
Wholesale Price Index (2000=100) *3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2000=100) *3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Growth Rate (%) *4								
Real GDP	-7.00	-1.49	-2.71	2.00	1.10	-1.07	2.74	4.05
Population	3.35	2.84	2.87	2.88	2.89	2.88	2.87	2.86
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.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Source *1 : "World Development Indicators", World Bank

*2 : "International Financial Statistics", International Monetary Fund

*3 : "Brunei Darussalam Statistical Yearbook", Statistical Division, Department of Economic Planning and Development, Ministry of Finance

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

Note : N.A. shows "not available"

: BND shows Brunei Dollar, USD shows United States Dollar

: PPP shows Purchasing Power Parity

: 1995- GDP are from "Brunei Darussalam Statistical Yearbook", Statistical Division, Department of Economic Planning and Development, Ministry of Finance

Major Economic Indicators of Brunei Darussalam (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
0.27	0.28	0.29	0.29	0.30	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37
3.86	3.88	3.95	4.07	4.11	4.26	4.09	4.20	4.32	4.18	4.57	4.75	4.83
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
4.03	4.08	4.38	5.22	5.25	5.14	3.90	4.22	4.32	4.18	4.20	4.76	5.48
14,204	13,885	13,755	13,806	13,595	13,738	12,874	12,891	12,944	12,246	13,088	13,278	13,208
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
14,822	14,578	15,237	17,685	17,361	16,556	12,280	12,945	12,944	12,231	12,013	13,326	14,998
6.57	6.58	6.69	7.39	7.41	7.63	6.53	7.14	7.44	7.48	7.52	8.30	9.27
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
3.71	3.73	3.80	3.91	3.95	4.09	3.93	4.03	4.15	4.02	4.39	4.56	4.64
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
2.401	2.167	2.210	2.402	2.481	2.467	2.058	2.579	3.877	3.508	3.566	4.144	4.607
1.482	1.822	1.854	2.091	2.494	2.203	1.552	1.342	1.098	1.100	1.499	1.244	1.390
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1.6290	1.6158	1.5274	1.4174	1.4100	1.4848	1.6736	1.6950	1.7240	1.7917	1.7906	1.7422	1.6902
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
177.0	176.6	176.2	189.1	187.5	186.3	166.2	177.2	179.5	186.3	171.1	182.0	199.9
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
-1.12	0.51	1.80	3.06	1.04	3.60	-3.99	2.56	2.83	-3.13	9.39	3.81	1.73
2.85	2.82	2.76	2.68	2.60	2.52	2.46	2.43	2.40	2.38	2.35	2.32	2.27
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Original Table (Quarterly) of Brunei Darussalam in 2005

Coal		Unit:			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	-	-	-
	FEB.	-	-	-	-
	MAR.	-	-	-	-
	1st quarter	-	-	-	-
	APR.	-	-	-	-
	MAY.	-	-	-	-
	JUN.	-	-	-	-
	2nd quarter	-	-	-	-
	JUL.	-	-	-	-
	AUG.	-	-	-	-
	SEP.	-	-	-	-
	3rd quarter	-	-	-	-
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Oil		Unit: m ³						
		Crude Oil			Petroleum Products			
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	954		987	-92			-8
	FEB.	972		879	36			3
	MAR.	1,065		1,095	-100			-4
	1st quarter	2,991		2,961	-156			-8
	APR.	989		900	25			2
	MAY.	905		677	155			3
	JUN.	976		819	89			-1
	2nd quarter	2,870		2,396	268			5
	JUL.	937		928	-59			-3
	AUG.	981		1,039	-129	2		0
	SEP.	1,029		888	74	5		5
	3rd quarter	2,947		2,855	-114	7		2
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Original Table (Quarterly) of Brunei Darussalam in 2005 (Continued)

Natural Gas (or LNG)		Unit: km ³			
	Production	Imports	Exports	Stock Changes	
2005	JAN.	1,024,055	-	883,396	n.a
	FEB.	1,021,481	-	886,582	n.a
	MAR.	1,114,514	-	967,003	n.a
	1st quarter	3,160,051	-	2,736,981	n.a
	APR.	844,993	-	703,311	n.a
	MAY.	764,045	-	618,390	n.a
	JUN.	1,037,240	-	896,459	n.a
	2nd quarter	2,646,278	-	2,218,160	n.a
	JUL.	869,614	-	733,041	n.a
	AUG.	1,016,961	-	869,576	n.a
	SEP.	1,080,818	-	936,414	n.a
	3rd quarter	2,967,393	-	2,539,032	n.a
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Electricity		Unit: GWh					Imports	Exports
		Gross Generation						
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	-	-	-	-	-	-	-
	FEB.	-	-	-	-	-	-	-
	MAR.	-	-	-	-	-	-	-
	1st quarter	-	-	-	-	-	-	-
	APR.	-	-	-	-	-	-	-
	MAY.	-	-	-	-	-	-	-
	JUN.	-	-	-	-	-	-	-
	2nd quarter	-	-	-	-	-	-	-
	JUL.	-	-	-	-	-	-	-
	AUG.	-	-	-	-	-	-	-
	SEP.	-	-	-	-	-	-	-
	3rd quarter	-	-	-	-	-	-	-
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.3 Canada

Energy Balance Table of Canada in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	32,267	-	150,194	-	-	-	-	-	-
2 Import	11,340	173	47,169	12,270	3,007	-	1,748	15	960
3 Export	-15,345	-85	-89,188	-22,119	-7,162	-385	-722	-92	-7,294
4 International Marine Bunkers	-	-	-	-602	-	-	-	-	-91
5 Stock Changes	239	126	1,324	-254	5	-25	-59	10	145
6 Total Primary Energy Supply	28,502	214	109,499	-10,705	-4,149	-410	967	-67	-6,279
7 Transfers	-	-	-2,366	5,560	934	77	-225	-1,135	490
8 Total Transformation Sector	-26,326	1,752	-105,786	103,356	35,414	4,441	4,896	1,587	32,551
8.1 Main Activity Producer	-23,365	-	-	-4,608	-	-	-	-	-98
8.2 Autoproducers	-3	-128	-	-483	-	-	-	-	-47
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-105,786	108,446	35,414	4,441	4,896	1,587	32,696
8.5 Coal Transformation	-2,957	1,880	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-168	-	-	-8,858	-1	-2	-	-	-17
10. Discrepancy	-712	52	-1,347	2,026	-132	-6	-16	6	-96
11 Total Final Energy Consumption	1,296	2,018	-	91,380	32,066	4,100	5,622	392	26,648
12 Industry Sector	1,271	2,018	-	6,363	-	-	-	72	3,278
13 Transport Sector	-	-	-	51,534	32,066	-	5,622	-	12,561
14 Other Sector	26	-	-	13,445	-	-	-	320	10,810
14.1 Residential & Commercial	26	-	-	11,139	-	-	-	312	8,718
14.2 Agriculture	-	-	-	2,306	-	-	-	7	2,092
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	254	11	-	20,038	-	4,100	-	-	-

Energy Balance Table of Canada in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	30,261	-	122,933	-	-	-	-	-	-
2 Import	13,147	118	45,770	11,247	2,124	-	1,377	40	632
3 Export	-14,897	-44	-74,074	-21,244	-7,347	-374	-413	-138	-7,498
4 International Marine Bunkers	-	-	-	-495	-	-	-	-	-89
5 Stock Changes	1,732	29	-1,723	173	40	-54	-96	-4	110
6 Total Primary Energy Supply	30,242	103	92,905	-10,319	-5,183	-428	868	-102	-6,844
7 Transfers	-	-	-7,399	3,843	1,119	-53	-245	-1,185	415
8 Total Transformation Sector	-28,824	1,683	-92,988	101,963	36,136	4,022	4,473	1,646	32,089
8.1 Main Activity Producer	-25,996	-	-	-4,214	-	-	-	-	-92
8.2 Autoproducers	-4	-101	-	-383	-	-	-	-	-45
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-92,988	106,560	36,136	4,022	4,473	1,646	32,226
8.5 Coal Transformation	-2,824	1,784	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-181	-	-	-9,389	-1	-2	-	-	-16
10. Discrepancy	-45	68	7,482	1,260	-601	-4	-16	5	-149
11 Total Final Energy Consumption	1,192	1,855	-	87,358	31,470	3,535	5,080	364	25,495
12 Industry Sector	1,169	1,855	-	6,226	-	-	-	29	3,104
13 Transport Sector	-	-	-	49,524	31,470	-	5,080	-	11,646
14 Other Sector	23	-	-	13,444	-	-	-	334	10,745
14.1 Residential & Commercial	23	-	-	11,158	-	-	-	326	8,656
14.2 Agriculture	-	-	-	2,287	-	-	-	8	2,090
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	18,164	-	3,535	-	-	-

Energy Balance Table of Canada in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	150,717	29,331	23,555	123	12,336	-	-	398,523		
2,671	-	-	-	3,870	8,920	-	-	-	-	1,960	-	81,832		
-3,365	-292	-	-	-2,808	-86,307	-	-	-	-	-2,859	-	-215,903		
-511	-	-	-	-	-	-	-	-	-	-	-	-602		
-36	-7	-	-	-289	4,732	-	-	-	-	-	-	6,167		
-1,240	-298	-	-	772	78,062	29,331	23,555	123	12,336	-900	-	270,017		
810	1,973	-	6,051	-3,416	-	-	-	-	-	-	-	3,194		
4,661	2,209	5,024	-	12,573	-7,862	-29,331	-23,555	-123	-2,537	51,472	982	-37,959		
-3,651	-	-	-	-858	-6,033	-26,530	-23,555	-123	-9	47,099	982	-36,140		
-63	-	-320	-	-53	-1,272	-2,801	-	-	-2,525	4,373	-	-2,841		
-	-	-	-	-	-	-	-	-	-	-	-	-		
8,375	2,209	5,344	-	13,485	-	-	-	-	-	-	-	2,660		
-	-	-	-	-	-	-	-	-	-	-	-	-1,077		
-	-	-	-	-	-557	-	-	-	-3	-	-	-561		
-747	-60	-5,024	-	-3,007	-14,488	-	-	-	-	-7,257	-	-30,770		
1,156	331	-	-	783	-3,038	-	-	-	0	-60	-0	-3,079		
4,640	4,155	-	6,051	7,706	52,674	-	-	-	9,798	43,255	982	201,403		
2,481	532	-	-	-	20,125	-	-	-	7,951	17,555	970	56,253		
1,003	283	-	-	-	3,605	-	-	-	-	339	-	55,478		
1,156	1,159	-	-	-	25,504	-	-	-	1,847	25,361	11	66,194		
1,087	1,022	-	-	-	25,047	-	-	-	1,847	24,492	10	62,561		
69	138	-	-	-	457	-	-	-	-	869	1	3,633		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	2,181	-	6,051	7,706	3,441	-	-	-	-	-	-	23,744		

Energy Balance Table of Canada in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	151,164	29,030	19,517	76	12,059	-	-	365,039		
3,362	-	-	-	3,712	7,949	-	-	-	-	2,109	-	80,341		
-2,665	-363	-	-	-2,447	-83,324	-	-	-	-	-2,693	-	-196,277		
-406	-	-	-	-	-	-	-	-	-	-	-	-495		
-23	-	-	-	201	3,939	-	-	-	-	-	-	4,150		
268	-363	-	-	1,466	79,728	29,030	19,517	76	12,059	-584	-	252,758		
492	1,670	-	5,478	-3,848	-	-	-	-	-	-	-	-3,556		
4,579	2,250	6,021	-	10,747	-8,301	-29,030	-19,517	-76	-2,589	50,737	940	-26,001		
-3,028	-	-	-	-1,094	-6,324	-26,427	-19,517	-76	-9	46,623	940	-35,000		
-62	-	-199	-	-77	-1,475	-2,603	-	-	-2,577	4,114	-	-3,029		
-	-	-	-	-	-	-	-	-	-	-	-	-		
7,669	2,250	6,220	-	11,918	-	-	-	-	-	-	-	13,572		
-	-	-	-	-	-	-	-	-	-	-	-	-1,040		
-	-	-	-	-	-502	-	-	-	-3	-	-	-505		
-784	-41	-6,021	-	-2,524	-15,722	-	-	-	-	-7,066	-	-32,358		
336	345	-	-	1,345	-2,593	-	-	-	-	-13	0	6,158		
4,890	3,861	-	5,478	7,185	53,112	-	-	-	9,470	43,074	940	197,001		
2,574	519	-	-	-	19,733	-	-	-	7,626	17,794	930	55,332		
1,064	264	-	-	-	3,854	-	-	-	-	358	-	53,737		
1,253	1,112	-	-	-	26,180	-	-	-	1,844	24,922	10	66,424		
1,188	988	-	-	-	25,695	-	-	-	1,844	24,061	8	62,789		
64	124	-	-	-	485	-	-	-	-	861	2	3,635		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	1,966	-	5,478	7,185	3,344	-	-	-	-	-	-	21,509		

Major Energy Indicators of Canada

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	194,245	193,954	189,766	200,853	211,834	221,776	209,400	208,762	214,058
Indigenous Production	207,701	240,481	238,048	251,930	271,378	274,114	273,733	285,080	294,141
Import	41,540	29,044	34,160	38,120	43,453	45,954	46,384	44,405	44,348
Export	-52,494	-79,607	-77,248	-87,401	-103,220	-102,818	-105,776	-120,864	-128,271
Final Energy Consumption	156,724	153,478	154,266	156,848	165,881	169,860	159,859	158,378	161,460
Industry	61,067	61,887	62,769	65,632	68,494	68,181	60,781	60,687	60,916
Transport	45,020	39,861	39,892	41,691	44,511	45,350	44,439	43,128	44,887
Residential & Commercial	48,190	48,844	48,691	46,733	49,783	52,904	50,686	50,389	51,295
Agriculture	2,431	2,866	2,902	2,780	2,966	3,306	3,279	3,369	3,577
Coal, Coal Products									
Primary Energy Supply	21,293	26,930	20,085	26,627	27,959	30,876	24,274	25,313	26,266
Indigenous Production	20,204	33,742	32,063	33,510	36,627	39,039	37,926	39,731	35,361
Import	10,808	10,141	9,444	10,077	11,861	9,960	9,545	8,468	8,758
Export	-10,203	-18,217	-17,226	-17,823	-19,886	-22,600	-21,442	-23,492	-19,431
Transformation Sector	-16,316	-21,021	-19,294	-20,992	-22,779	-22,941	-21,158	-22,079	-22,789
Power Generation	-14,797	-19,781	-18,064	-19,886	-21,699	-21,926	-19,973	-20,902	-21,698
Final Energy Consumption	5,657	5,350	5,128	5,068	5,173	4,946	2,837	3,144	3,171
Industry	5,554	5,243	5,023	4,978	5,099	4,892	2,786	3,090	3,126
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	103	107	105	91	74	55	51	54	45
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	97,222	73,335	72,576	76,846	80,224	82,607	83,136	79,205	78,710
Indigenous Production	85,309	86,990	87,074	91,626	96,410	94,101	94,485	94,914	99,431
Import	28,162	14,362	18,062	20,605	22,869	25,055	27,133	27,529	26,015
Export	-15,229	-28,382	-32,352	-34,413	-39,699	-36,930	-37,810	-43,024	-47,180
Transformation Sector	-96,888	-73,426	-72,284	-76,842	-81,215	-83,993	-85,887	-82,668	-80,395
Petroleum Refineries	-96,888	-73,426	-72,284	-76,842	-81,215	-83,993	-85,887	-82,668	-80,395
Petroleum Products									
Primary Energy Supply	-6,363	-2,255	-1,072	-3,005	-3,506	-2,336	-5,466	-6,453	-3,737
Import	2,314	4,271	6,017	7,065	7,875	9,198	7,656	7,624	7,668
Export	-6,408	-7,946	-7,194	-8,317	-11,465	-10,578	-11,921	-13,459	-11,804
Transformation Sector	92,316	71,272	71,176	74,699	78,814	80,596	83,166	81,082	79,025
Power Generation	-2,998	-1,536	-1,349	-2,178	-2,584	-4,001	-3,797	-3,218	-3,524
Petroleum Refineries	95,314	72,807	72,526	76,877	81,399	84,597	86,963	84,300	82,549
Final Energy Consumption	81,315	65,494	66,459	67,918	70,930	72,757	69,863	66,809	68,223
Industry	20,046	15,659	16,667	17,252	18,059	18,093	17,032	16,260	16,704
Transport	43,191	37,695	37,962	39,362	41,547	42,230	41,261	39,639	40,421
Residential & Commercial	16,583	10,416	10,089	9,566	9,427	10,258	8,858	8,053	8,083
Agriculture	1,478	1,705	1,729	1,727	1,770	2,056	2,038	2,052	2,230
Natural Gas									
Primary Energy Supply	45,889	49,902	47,994	48,811	53,623	57,791	54,743	55,405	58,383
Indigenous Production	63,643	70,240	65,804	71,439	82,414	87,332	88,579	93,559	102,759
Import	2	5	213	76	313	626	521	259	1,351
Export	-18,057	-21,329	-17,128	-22,772	-29,242	-30,790	-33,044	-38,780	-47,144
Transformation Sector	-1,806	-1,201	-1,283	-1,187	-1,431	-2,952	-2,210	-2,042	-3,015
Power Generation	-1,806	-1,201	-1,283	-1,187	-1,431	-2,952	-1,868	-1,687	-2,662
Final Energy Consumption	35,108	41,674	40,019	39,701	44,105	45,689	43,313	44,129	45,835
Industry	17,137	19,284	18,749	20,013	22,055	22,308	20,238	20,305	20,272
Transport	1,634	1,935	1,689	2,073	2,675	2,830	2,897	3,221	4,173
Residential & Commercial	16,058	20,056	19,186	17,223	18,929	20,077	19,681	20,104	20,850
Agriculture	279	399	394	392	447	473	498	500	540
Electricity									
Power Generation	32,245	39,245	40,068	42,437	43,102	42,564	41,457	43,729	44,744
Thermal	1,127	-1,796	-4,250	-3,827	-3,714	-2,132	-3,113	-4,958	-3,495
Hydro	21,769	26,163	26,799	27,274	26,447	25,062	25,529	26,520	27,218
Nuclear	9,348	14,878	17,519	18,991	20,369	19,633	19,041	22,166	21,020
Final Energy Consumption	26,440	31,915	33,357	34,685	36,417	37,236	35,952	36,292	36,368
Industry	12,035	14,718	15,109	15,924	16,124	15,802	14,443	14,577	14,401
Transport	196	232	241	256	289	289	281	268	293
Residential & Commercial	13,535	16,203	17,228	17,844	19,253	20,369	20,484	20,634	20,869
Agriculture	674	762	779	662	750	776	743	812	804

Major Energy Indicators of Canada (Continued)

ktoe											
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
221,136	229,056	231,692	236,840	241,224	240,354	247,614	251,006	246,827	250,902	263,510	270,017
315,963	338,673	349,183	358,652	365,793	366,378	366,884	373,340	377,733	384,794	386,810	398,523
44,225	45,918	45,253	51,341	59,229	63,818	65,324	69,420	73,955	73,770	80,341	81,832
-138,175	-152,730	-165,134	-172,466	-180,416	-187,756	-188,624	-199,999	-205,638	-208,823	-207,296	-215,903
165,353	171,306	174,968	181,506	184,117	179,189	186,104	190,393	184,603	189,715	197,001	201,403
61,994	65,100	66,837	68,897	70,320	68,554	72,201	72,893	69,229	71,082	74,671	76,997
45,504	47,632	48,947	50,260	51,795	52,760	54,050	53,439	52,672	53,457	53,961	55,676
53,103	53,731	54,095	56,671	56,084	52,451	54,455	58,416	57,330	60,134	62,789	62,561
3,723	3,724	3,874	4,108	4,247	4,095	4,190	4,245	3,863	3,513	3,635	3,633
24,128	24,793	25,170	25,353	28,268	30,766	30,935	28,844	28,298	30,540	30,345	28,716
37,529	39,415	40,843	41,583	43,083	37,667	37,858	34,407	34,954	32,626	30,261	32,267
5,863	6,459	6,950	8,014	9,936	13,299	13,034	12,481	12,706	13,586	13,265	11,513
-19,649	-22,027	-23,741	-24,106	-24,880	-19,924	-20,360	-19,518	-17,685	-15,035	-14,941	-15,430
-20,637	-21,567	-21,682	-22,294	-24,016	-25,738	-25,809	-28,006	-27,588	-27,158	-27,141	-24,574
-19,681	-20,514	-20,792	-21,273	-22,976	-24,727	-24,746	-26,971	-26,509	-26,070	-26,101	-23,496
3,036	2,966	3,142	3,119	3,068	3,048	3,133	3,305	3,040	2,942	3,047	3,315
2,994	2,923	3,087	3,067	3,023	3,008	3,095	3,268	3,002	2,918	3,023	3,289
-	-	-	-	-	-	-	-	-	-	-	-
43	43	55	52	45	40	38	37	37	24	23	26
-	-	-	-	-	-	-	-	-	-	-	-
82,978	84,043	84,620	87,844	91,592	93,517	94,394	96,845	99,804	99,610	103,657	109,499
104,554	108,753	113,875	117,259	122,891	128,718	123,819	128,868	130,630	136,914	144,704	150,194
29,991	31,696	30,483	35,120	39,415	40,020	42,450	46,941	46,684	44,736	45,770	47,169
-51,467	-55,408	-60,516	-64,444	-69,281	-76,440	-71,602	-78,445	-76,657	-81,677	-85,093	-89,188
-83,034	-84,720	-84,187	-88,825	-90,995	-91,933	-93,035	-95,285	-97,777	-99,316	-103,239	-105,786
-83,034	-84,720	-84,187	-88,825	-90,995	-91,933	-93,035	-95,285	-97,777	-99,316	-103,239	-105,786
-6,170	-7,175	-6,237	-8,139	-8,669	-7,719	-7,129	-8,633	-11,018	-12,787	-10,319	-10,705
7,057	6,300	6,629	6,678	8,020	8,363	7,803	7,350	9,978	8,658	11,247	12,270
-12,563	-11,745	-12,414	-14,531	-15,340	-14,396	-14,835	-14,970	-19,348	-20,798	-21,244	-22,119
82,284	84,313	84,439	89,260	90,747	90,223	91,881	94,270	95,633	99,477	101,963	103,356
-2,704	-2,188	-2,031	-1,490	-2,059	-3,276	-2,656	-2,417	-3,757	-3,132	-4,596	-5,091
84,988	86,501	86,470	90,750	92,806	93,498	94,537	96,688	99,389	102,609	106,560	108,446
69,803	72,321	73,448	76,324	79,139	77,780	81,318	81,960	81,919	82,519	87,358	91,380
17,435	17,810	17,936	19,009	19,954	18,946	20,936	20,286	20,590	20,294	22,220	23,667
40,797	42,704	43,557	44,686	46,105	47,016	48,297	48,292	47,959	48,510	49,748	51,732
8,305	8,296	8,167	8,373	8,580	7,746	8,046	9,150	9,334	9,964	11,158	11,139
2,238	2,391	2,572	2,685	2,828	2,743	2,830	2,832	2,528	2,223	2,287	2,306
61,962	65,009	67,026	70,438	70,965	68,117	71,145	75,311	71,879	73,349	79,728	78,062
113,286	124,343	130,253	135,228	137,678	141,969	144,455	148,361	152,297	153,342	151,164	150,717
664	861	552	997	1,040	650	659	1,329	3,202	5,407	7,949	8,920
-51,489	-59,170	-64,726	-65,616	-67,026	-73,159	-77,966	-82,682	-88,573	-88,207	-83,324	-86,307
-3,489	-3,837	-4,747	-4,136	-4,979	-5,940	-6,236	-7,799	-8,376	-7,719	-8,301	-7,862
-3,147	-3,366	-4,325	-3,691	-4,544	-5,493	-5,797	-7,356	-7,954	-7,268	-7,800	-7,305
47,834	49,502	50,761	53,980	53,443	49,786	51,350	53,426	48,783	51,866	53,112	52,674
20,700	21,777	22,468	23,498	23,891	22,561	22,875	23,405	20,521	21,899	23,077	23,565
4,395	4,611	5,057	5,244	5,323	5,299	5,321	4,758	4,343	4,602	3,854	3,605
22,068	22,606	22,744	24,660	23,663	21,417	22,637	24,677	23,418	24,880	25,695	25,047
671	508	492	577	565	510	518	586	501	485	485	457
45,760	47,786	48,158	49,271	49,328	48,300	49,787	52,079	50,719	51,698	50,737	51,472
-6,566	-8,697	-6,243	-5,504	-2,351	1,112	890	2,267	2,057	1,858	2,190	-1,414
27,835	28,375	28,899	30,595	30,170	28,552	29,745	30,841	28,675	30,157	29,030	29,331
24,491	28,108	25,502	24,179	21,509	18,636	19,152	18,971	19,987	19,682	19,517	23,555
37,130	37,618	38,413	38,964	39,463	39,214	40,067	41,409	41,323	42,083	43,074	43,255
14,873	15,268	15,891	15,960	16,249	16,503	16,900	17,485	17,424	17,516	17,794	17,555
312	317	333	330	366	446	431	389	370	345	358	339
21,135	21,210	21,381	21,830	21,996	21,426	21,896	22,710	22,696	23,417	24,061	24,492
810	824	808	845	852	839	841	826	833	805	861	869

Major Economic Indicators of Canada

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	24.59	25.94	26.20	26.55	26.90	27.38	27.79	28.17
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	408.20	465.52	476.69	496.87	521.59	534.69	535.63	524.21
Real Term (Billions of 2000 Price and 2000 PPP)	480.79	548.30	561.46	319.48	614.35	629.77	630.88	617.43
Nominal (Billions of Current USD)	265.27	350.67	363.37	415.32	490.56	547.29	574.20	588.84
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	16,598	17,945	18,191	18,715	19,394	19,529	19,274	18,608
Real Term (2000 Price and 2000 PPP)	19,550	21,136	21,426	22,043	22,842	23,002	22,701	21,917
Nominal (Current USD)	10,786	13,517	13,867	15,643	18,240	19,989	20,662	20,902
Nominal GDP & its Components (Billions of Current CAD) *1								
Gross Domestic Product	310.16	478.83	504.90	550.71	603.74	647.98	669.97	674.64
Household Final Consumption Expenditure, etc.	164.82	260.83	281.97	304.95	330.09	356.81	376.36	388.52
General Government Final Consumption Expenditure	66.82	105.71	111.03	117.50	127.49	138.04	150.99	161.78
Gross Fixed Capital Formation	72.94	98.09	105.50	120.90	136.66	149.06	144.86	134.41
Stock Change	-0.68	3.48	2.63	2.56	3.48	4.09	-2.68	-5.67
Exports of Goods and Services	87.69	136.22	141.56	148.82	162.80	167.74	174.44	171.00
Imports of Goods and Services	82.17	125.59	137.23	142.72	158.58	168.14	174.02	175.40
Real GDP & its Components (Billions of 2000 CAD) *1								
Gross Domestic Product	606.22	691.35	707.93	737.91	774.62	794.07	795.47	778.51
Household Final Consumption Expenditure, etc.	350.80	389.03	403.32	419.64	437.59	452.00	457.01	449.54
General Government Final Consumption Expenditure	144.31	160.18	163.08	165.28	172.78	177.59	183.89	189.29
Gross Fixed Capital Formation	116.93	122.60	128.28	141.72	154.96	163.66	157.24	148.72
Stock Change	-8.88	-0.50	-1.44	-0.43	-0.16	2.12	-3.98	-7.43
Exports of Goods and Services	134.15	176.85	184.59	190.26	207.57	209.28	219.26	223.21
Imports of Goods and Services	132.66	159.35	170.86	179.97	204.41	216.36	220.76	226.23
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	2.8	2.6	2.8	2.7	2.5	2.6	2.7	2.6
Industry	33.3	32.7	32.2	32.2	32.5	31.9	31.2	30.4
Services, etc.	61.0	60.9	61.7	61.5	60.7	61.0	61.8	63.3
Industrial Production Index (2000=100) *2	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.	67.734	90.950	90.329	98.168	117.105	121.832	127.629	127.163
Imports, c.i.f.	62.544	80.640	85.494	92.593	112.711	119.792	123.244	124.782
Balance of Payments (Billions of Current USD) *2								
Trade Balance	7.939	11.867	7.182	9.170	8.849	6.560	9.513	6.126
Current Account	-6.088	-5.734	-11.157	-13.430	-14.818	-21.769	-19.764	-22.345
Overall Balance	-0.536	-3.270	-0.419	3.313	8.150	0.693	1.139	-1.848
Foreign Exchange Rate (CAD/USD) *1	1.1692	1.3655	1.3895	1.3260	1.2307	1.1840	1.1668	1.1457
Purchasing Power Parity (CAD/International Dollar) *1	1.1946	1.2489	1.2539	1.2805	1.2910	1.2997	1.2889	1.2848
Price Indices								
GDP Deflator (2000=100) *3	51.2	69.3	71.3	74.6	77.9	81.6	84.2	86.7
Industry Selling Price Index (2000=100) *2	54.5	71.2	71.9	73.9	77.0	78.6	78.8	78.0
Consumer Price Index (2000=100) *2	46.2	66.0	68.8	71.8	74.7	78.4	82.1	86.7
Growth Rate (%) *3								
Real GDP	2.14	4.78	2.40	4.23	4.98	2.51	0.18	-2.13
Population	1.30	0.93	1.01	1.32	1.30	1.80	1.50	1.37
Price								
Industry Selling Price Index	13.4	2.7	0.9	2.8	4.3	2.0	0.3	-1.0
Consumer Price Index	10.2	4.0	4.2	4.4	4.0	5.0	4.8	5.6

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. shows "not available"
 : CAD shows Canadian Dollar, USD shows United States Dollar
 : PPP shows Purchasing Power Parity

Major Economic Indicators of Canada (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
28.52	28.83	29.11	29.35	29.67	29.99	30.25	30.50	30.77	31.08	31.36	31.63	31.97
528.79	541.19	567.23	583.01	592.40	617.54	642.75	678.80	714.45	727.17	752.10	767.13	789.38
622.83	637.43	668.10	686.69	697.75	727.36	757.05	799.52	841.51	856.48	885.85	903.56	929.76
570.28	554.69	555.84	581.66	604.37	627.60	606.92	651.20	714.45	705.17	726.70	856.56	977.95
18,541	18,770	19,484	19,861	19,965	20,594	21,249	22,256	23,219	23,395	23,981	24,253	24,688
21,839	22,108	22,949	23,393	23,515	24,256	25,028	26,214	27,349	27,556	28,246	28,566	29,078
19,996	19,238	19,093	19,816	20,368	20,929	20,065	21,351	23,219	22,687	23,171	27,080	30,586
689.31	715.59	759.08	798.30	824.04	868.98	900.35	967.51	1,061.04	1,092.14	1,140.43	1,200.08	1,272.34
400.93	417.64	435.04	449.89	468.59	498.07	518.10	547.19	581.86	608.26	641.29	671.50	N.A.
168.33	170.66	171.09	171.95	170.56	171.18	178.66	185.40	199.38	210.47	222.96	236.93	N.A.
131.23	131.07	144.95	143.00	149.94	174.84	181.84	194.47	206.27	217.62	227.44	237.38	N.A.
-6.56	-1.30	0.53	9.03	2.27	8.18	4.71	4.99	11.53	-6.26	-0.61	7.68	N.A.
188.59	218.44	260.92	301.13	319.97	347.13	377.38	422.67	489.09	481.39	477.69	459.97	N.A.
191.67	218.96	252.29	275.87	286.65	330.35	359.94	387.30	427.84	418.61	427.38	412.69	N.A.
785.32	803.73	842.39	865.84	879.78	917.12	954.55	1,008.10	1,061.04	1,079.92	1,116.95	1,139.28	1,172.32
456.52	464.68	478.55	488.20	500.64	524.09	538.63	559.22	581.86	597.40	617.48	636.63	N.A.
191.15	191.18	188.80	187.71	185.39	183.57	189.42	193.43	199.38	206.85	212.60	220.67	N.A.
144.65	141.74	152.34	149.11	155.65	179.33	183.70	197.02	206.27	214.79	219.85	230.61	N.A.
-8.06	-2.53	0.27	7.68	2.25	7.05	5.12	5.68	11.53	-3.73	1.79	10.25	N.A.
239.33	265.43	299.30	324.62	343.01	371.57	405.25	448.97	489.09	475.09	480.52	469.08	N.A.
236.87	254.37	274.88	290.65	305.42	349.11	366.90	395.51	427.84	406.50	412.45	428.18	N.A.
2.4	2.5	2.5	2.4	2.4	2.2	2.3	2.3	2.1	1.9	1.8	1.9	N.A.
29.9	30.2	30.4	30.5	30.5	30.8	30.5	30.5	31.3	30.1	29.7	29.5	N.A.
63.9	63.7	63.2	63.1	62.9	62.7	62.7	62.6	62.3	63.4	63.8	64.1	N.A.
N.A.	N.A.	N.A.	78.6	79.5	84.0	86.9	92.1	100.0	96.0	97.6	98.6	102.5
134.435	145.178	165.376	192.197	201.633	214.422	214.327	238.446	276.635	259.858	252.394	272.739	316.547
129.262	139.035	155.072	168.426	175.158	200.873	206.066	220.183	244.786	227.291	227.499	245.021	279.779
7.381	10.137	14.834	25.855	31.091	18.565	15.922	28.292	45.047	45.717	36.488	41.076	50.682
-21.160	-21.823	-13.024	-4.328	3.378	-8.233	-7.839	1.765	19.622	16.281	13.456	13.360	22.000
-4.786	0.904	-0.392	2.711	5.498	-2.393	4.996	5.933	3.720	2.172	-0.185	-3.255	-2.836
1.2087	1.2901	1.3656	1.3724	1.3635	1.3846	1.4835	1.4857	1.4851	1.5488	1.5693	1.4011	1.3010
1.2682	1.2597	1.2463	1.2513	1.2488	1.2460	1.2248	1.2273	1.2609	1.2428	1.2392	1.2620	1.2836
87.8	89.0	90.1	92.2	93.7	94.8	94.3	96.0	100.0	101.1	102.1	105.3	108.5
78.4	81.2	86.1	92.5	92.9	93.7	93.7	95.2	100.0	101.1	101.2	100.0	102.8
88.1	89.7	89.8	91.8	93.2	94.7	95.7	97.3	100.0	102.5	104.8	107.7	109.7
0.87	2.35	4.81	2.78	1.61	4.24	4.08	5.61	5.25	1.78	3.43	2.00	2.90
1.23	1.10	0.97	0.83	1.08	1.06	0.87	0.83	0.89	1.01	0.90	0.85	1.09
0.5	3.6	6.1	7.4	0.4	0.9	-0.1	1.6	5.1	1.1	0.1	-1.1	2.8
1.5	1.8	0.2	2.2	1.6	1.6	1.0	1.7	2.7	2.5	2.2	2.8	1.8

Energy Price of Canada in 2004

Currency Exchange Rate

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

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		
Oil and Oil Products			Gas Works Gas			Gas Works Gas		
Crude Oil	\$CDN/BBL	49.31	Oil and Oil Products			Oil and Oil Products		
Natural Gas Liquids			Crude Oil			Crude Oil		
Ethane			Natural Gas Liquids			Natural Gas Liquids		
LPG			Ethane			Ethane		
Naphtha			LPG			LPG		
Motor Gasoline			Naphtha			Naphtha		
Aviation Gasoline			Motor Gasoline	\$CDN/KL	446.90	Motor Gasoline	\$CDN/KL	813.16
Gasoline Type Jet Fuel			Aviation Gasoline			Aviation Gasoline		
Kerosene Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Other Kerosene			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Gas/Diesel Oil			Other Kerosene			Other Kerosene		
Fuel Oil			Gas/Diesel Oil	\$CDN/KL	436.40	Gas/Diesel Oil		
White Spirit SBP			Fuel Oil	\$CDN/KL	276.57	Fuel Oil		
Lubricants			White Spirit SBP			White Spirit SBP		
Bitumen			Lubricants			Lubricants		
Paraffin Waxes			Bitumen			Bitumen		
Petroleum Coke			Paraffin Waxes			Paraffin Waxes		
Natural Gas			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas			Natural Gas			Natural Gas	\$CDN/M3	0.41
Compressed Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Electricity			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Other Energy Products			Electricity			Industrial		
			Other Energy Products			Commercial		
						Residential		
						Others		
						Other Energy Products		

3.4 Chile

Energy Balance Table of Chile in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	451	-	2,156	-	-	-	-	-	-
2 Import	2,794	358	11,306	2,552	516	-	36	1	1,349
3 Export	-	-26	-1,969	-1,554	-785	-	-	-	-63
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-6	104	-323	-356	7	-2	-116	12	-70
6 Total Primary Energy Supply	3,239	436	11,170	642	-263	-2	-79	13	1,217
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-2,811	-154	-11,231	11,778	2,676	199	722	107	3,942
8.1 Main Activity Producer	-1,961	-559	-	-86	-	-0	-	-	-67
8.2 Autoproducers	-8	-	-	-119	-	-	-	-0	-16
8.3 Gas Processing	-	-169	-	-4	-	-	-	-	-0
8.4 Petroleum Refineries	-	-	-11,231	11,987	2,676	199	722	107	4,026
8.5 Coal Transformation	-843	574	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-1	-0	-	-1,287	-	-195	-	-0	-73
10. Discrepancy	27	184	61	-0	-0	-0	-0	-0	-0
11 Total Final Energy Consumption	454	467	-	11,133	2,414	2	642	119	5,085
12 Industry Sector	438	444	-	2,574	-	2	5	27	1,676
13 Transport Sector	-	-	-	7,271	2,414	-	637	4	3,195
14 Other Sector	17	22	-	1,289	0	0	-	88	215
14.1 Residential & Commercial	5	22	-	1,055	-	0	-	88	139
14.2 Agriculture	-	-	-	11	-	-	-	-	-
14.3 Other	11	-	-	222	0	-	-	-	75
15 Non-energy	-	-	-	-	-	-	-	-	-

Energy Balance Table of Chile in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	383	-	181	-	-	-	-	-	-
2 Import	1,931	44	10,324	1,969	505	-	17	-	691
3 Export	-	-	-	-1,652	-722	-73	-6	-	-340
4 International Marine Bunkers	-	-	-	-1,166	-	-	-	-	-
5 Stock Changes	-7	-61	121	86	44	-	-72	34	22
6 Total Primary Energy Supply	2,307	-18	10,626	-764	-173	-73	-61	34	373
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-1,871	117	-10,626	10,069	2,409	-1	617	93	3,954
8.1 Main Activity Producer	-1,386	-350	-	-31	-	-	-	-	-25
8.2 Autoproducers	-6	-	-	-106	-	-	-	-	-22
8.3 Gas Processing	-478	-206	-	-0	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-10,626	10,206	2,409	-1	617	93	4,001
8.5 Coal Transformation	-	673	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-55	-	-656	-	-126	-	-	-6
10. Discrepancy	-4	307	-	1,345	-0	203	-	-0	-0
11 Total Final Energy Consumption	433	351	-	9,995	2,236	3	556	127	4,321
12 Industry Sector	369	348	-	1,966	-	3	-	35	1,316
13 Transport Sector	-	-	-	6,641	2,236	-	556	-	2,962
14 Other Sector	64	3	-	1,242	-	-	-	92	43
14.1 Residential & Commercial	1	-	-	1,103	-	-	-	92	34
14.2 Agriculture	63	3	-	139	-	-	-	-	9
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	146	-	-	-	-	-

Energy Balance Table of Chile in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	1,966	1,814	-	-	4,311	-	-	10,699		
-	650	-	-	-	5,758	-	-	-	-	164	-	22,931		
-507	-199	-	-	-	-	-	-	-	-	-	-	-3,549		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-66	-121	-	-	-	-215	-	-	-	-	-	-	-796		
-573	330	-	-	-	7,509	1,814	-	-	4,311	164	-	29,284		
-	-	-	-	-	-	-	-	-	-	-	-	-		
2,311	820	667	-	333	-3,216	-1,814	-	-	-338	4,349	-	-3,437		
-18	-0	-	-	-	-3,169	-1,814	-	-	-100	4,341	-	-3,347		
-80	-0	-23	-	-	-48	-	-	-	-238	8	-	-404		
-	-4	-	-	-	-	-	-	-	-	-	-	-173		
2,409	824	691	-	333	-	-	-	-	-	-	-	756		
-	-	-	-	-	-	-	-	-	-	-	-	-268		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-22	-1	-662	-	-333	-262	-	-	-	-	-413	-	-1,963		
0	0	0	-	-	-2,496	-	-	-	0	-8	-	-2,231		
1,716	1,148	5	-	-	1,534	-	-	-	3,974	4,091	-	21,653		
602	256	5	-	-	989	-	-	-	1,074	2,784	-	8,303		
1,019	2	-	-	-	27	-	-	-	-	20	-	7,318		
96	890	-	-	-	518	-	-	-	2,900	1,287	-	6,033		
5	824	-	-	-	438	-	-	-	2,900	1,276	-	5,696		
11	-	-	-	-	-	-	-	-	-	-	-	11		
80	66	-	-	-	80	-	-	-	-	12	-	325		
-	-	-	-	-	-	-	-	-	-	-	-	-		

Energy Balance Table of Chile in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	1,829	1,944	-	-	5,559	-	-	9,896		
75	681	-	-	-	5,123	-	-	-	-	168	-	19,558		
-375	-137	-	-	-	-	-	-	-	-1,512	-	-	-3,164		
-1,166	-	-	-	-	-	-	-	-	-	-	-	-1,166		
75	-17	-	-	-	-241	-	-	-	-3	-	-	-106		
-1,391	527	-	-	-	6,711	1,944	-	-	4,044	168	-	25,018		
-	-	-	-	-	-	-	-	-	-	-	-	-		
1,734	612	228	-	423	-5,368	-1,944	-	-	-799	4,147	-	-6,274		
-6	-	-	-	-	-2,505	-1,893	-	-	-392	3,906	-	-2,651		
-70	-	-14	-	-	-55	-51	-	-	-407	289	-	-337		
-	-0	-	-	-	-2,243	-	-	-	-	-12	-	-2,940		
1,810	612	242	-	423	-564	-	-	-	-	-35	-	-1,019		
-	-	-	-	-	-	-	-	-	-	-	-	673		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-19	-	-228	-	-277	-2	-	-	-	-	-336	-	-1,049		
1,166	-23	-0	-	0	60	0	-	-	418	-168	-	1,958		
1,490	1,115	1	-	146	1,401	-	-	-	3,663	3,811	-	19,653		
474	138	1	-	-	873	-	-	-	392	2,323	-	6,271		
887	-	-	-	-	23	-	-	-	-	19	-	6,683		
129	978	-	-	-	505	-	-	-	3,252	1,469	-	6,535		
2	975	-	-	-	402	-	-	-	2,877	1,131	-	5,513		
127	3	-	-	-	103	-	-	-	376	338	-	1,022		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	146	-	-	-	-	-	-	-	146		

Major Energy Indicators of Chile

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	10,971	9,782	10,523	10,222	11,987	13,367	14,260	14,742	15,307
Indigenous Production	7,043	7,157	7,083	7,089	7,287	7,511	7,763	8,057	8,352
Import	4,125	2,792	3,624	3,337	4,923	6,246	7,117	7,272	7,573
Export	-	-	-	-17	-	-118	-158	-16	-48
Final Energy Consumption	8,271	8,579	8,782	9,197	9,916	10,471	11,022	11,943	13,101
Industry	2,758	2,809	2,895	2,935	3,158	3,312	3,203	3,286	3,733
Transport	2,303	2,264	2,381	2,558	2,868	3,108	3,411	3,553	3,834
Residential & Commercial	2,427	2,643	2,789	2,908	3,093	3,274	3,430	3,620	3,920
Agriculture	626	696	668	680	673	587	796	1,160	1,319
Coal, Coal Products									
Primary Energy Supply	1,393	1,217	1,307	1,353	1,613	2,344	2,597	2,468	1,671
Indigenous Production	743	939	994	1,042	1,280	1,295	1,451	1,468	1,081
Import	650	278	313	311	333	1,048	1,145	1,000	590
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-600	-592	-532	-547	-975	-1,508	-1,776	-1,224	-884
Power Generation	-439	-473	-429	-440	-865	-1,403	-1,649	-1,100	-756
Final Energy Consumption	498	639	641	663	724	741	734	785	917
Industry	479	623	630	643	699	716	674	684	819
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	17	12	7	16	20	20	18	17	25
Agriculture	-	-	-	-	1	1	41	84	73
Crude Oil									
Primary Energy Supply	4,919	3,786	4,233	4,139	5,319	5,638	6,307	6,367	6,708
Indigenous Production	1,568	1,664	1,556	1,380	1,107	990	882	790	647
Import	3,351	2,122	2,677	2,759	4,212	4,649	5,425	5,577	6,060
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-4,982	-3,834	-3,944	-4,304	-4,971	-5,907	-6,151	-6,345	-6,534
Petroleum Refineries	-4,982	-3,834	-3,944	-4,304	-4,971	-5,907	-6,151	-6,345	-6,534
Petroleum Products									
Primary Energy Supply	-73	226	451	63	155	159	-73	108	305
Import	124	392	635	267	378	549	547	695	922
Export	-	-	-	-17	-	-118	-158	-16	-48
Transformation Sector	4,387	3,680	3,960	4,261	5,106	6,048	6,004	6,190	6,468
Power Generation	-612	-292	-283	-272	-267	-450	-489	-375	-302
Petroleum Refineries	5,180	4,083	4,364	4,662	5,512	6,551	6,654	6,733	6,960
Final Energy Consumption	4,960	4,571	4,644	4,863	5,355	5,793	6,134	6,536	7,086
Industry	1,652	1,439	1,469	1,440	1,541	1,608	1,525	1,493	1,601
Transport	2,288	2,247	2,365	2,540	2,852	3,093	3,390	3,530	3,813
Residential & Commercial	760	649	698	716	780	844	889	954	1,114
Agriculture	106	72	69	54	62	63	149	236	263
Natural Gas									
Primary Energy Supply	2,308	1,436	1,245	1,207	1,404	1,874	1,982	1,677	1,864
Indigenous Production	2,308	1,436	1,245	1,207	1,404	1,874	1,982	1,677	1,864
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-411	-483	-424	-405	-633	-1,110	-1,198	-981	-1,148
Power Generation	-39	-56	-61	-62	-66	-63	-63	-68	-69
Final Energy Consumption	218	235	248	250	272	260	268	298	317
Industry	68	61	64	73	83	67	63	82	92
Transport	-	-	-	-	-	-	6	7	4
Residential & Commercial	150	174	184	177	189	193	200	209	220
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	1,010	1,207	1,274	1,344	1,454	1,531	1,579	1,716	1,922
Thermal	379	317	302	304	468	706	808	587	483
Hydro	631	890	972	1,041	986	825	771	1,129	1,439
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	837	989	1,041	1,108	1,183	1,278	1,324	1,450	1,652
Industry	476	556	590	628	680	754	764	838	951
Transport	15	17	17	17	16	15	16	17	17
Residential & Commercial	271	329	346	369	391	418	433	454	495
Agriculture	76	88	88	94	96	91	112	142	190

Major Energy Indicators of Chile (Continued)

												ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
15,257	17,210	18,001	20,169	21,383	20,593	23,993	25,569	24,280	25,274	25,018	29,284	
7,908	8,122	7,998	8,160	8,255	7,291	6,950	10,729	10,409	10,558	9,896	10,699	
7,982	9,843	10,790	12,720	14,013	14,309	18,116	18,688	17,946	18,558	19,558	22,931	
-3	-95	-57	-29	-140	-158	-286	-2,483	-2,760	-2,570	-3,164	-3,549	
13,394	14,194	15,019	16,362	18,124	18,590	18,701	19,634	19,304	19,536	19,653	21,653	
3,857	3,793	4,615	4,768	6,047	5,889	5,577	5,776	6,083	5,540	6,271	8,303	
4,243	4,667	5,128	5,419	5,817	6,252	6,363	6,634	6,395	6,553	6,683	7,318	
4,121	4,374	4,125	4,636	5,070	4,952	5,169	5,320	5,517	5,512	5,513	5,696	
930	950	880	1,026	764	953	1,089	1,398	1,159	1,348	1,022	11	
1,645	2,101	2,209	3,138	3,842	3,761	3,773	3,099	2,414	2,484	2,289	3,675	
901	786	690	668	694	626	323	243	383	288	383	451	
744	1,315	1,519	2,470	3,148	3,136	3,450	2,975	1,927	2,014	1,975	3,151	
-	-	-	-	-	-	-	-	-	-	-	-26	
-955	-1,387	-1,577	-1,909	-2,807	-2,938	-2,967	-2,133	-1,476	-1,734	-1,754	-2,965	
-799	-1,234	-1,401	-2,134	-2,621	-2,767	-2,886	-2,082	-1,400	-1,691	-1,743	-2,528	
825	715	789	833	1,382	1,031	955	791	956	814	784	921	
758	653	748	746	1,194	917	815	660	852	700	717	882	
-	-	-	-	-	-	-	-	-	-	-	-	
6	9	7	8	13	5	6	3	1	7	1	27	
61	53	33	78	92	108	133	128	104	107	66	-	
6,936	7,665	8,035	8,214	8,764	9,457	9,759	10,001	10,028	9,971	10,626	11,170	
611	620	436	379	283	253	250	282	268	223	181	2,156	
6,325	7,045	7,599	7,835	8,481	9,204	9,509	9,978	9,988	9,885	10,324	11,306	
-	-	-	-	-	-	-	-	-	-	-	-1,969	
-6,978	-7,442	-7,957	-8,276	-8,682	-9,412	-10,366	-10,217	-10,028	-9,971	-10,626	-11,231	
-6,978	-7,442	-7,957	-8,276	-8,682	-9,412	-10,366	-10,217	-10,028	-9,971	-10,626	-11,231	
281	799	943	1,734	1,538	974	887	393	-540	194	-764	642	
913	1,483	1,672	2,415	2,384	1,969	1,960	1,958	1,518	2,101	1,969	2,552	
-3	-23	-	-	-101	-145	-286	-875	-1,292	-939	-1,652	-1,554	
6,947	7,230	7,632	7,922	8,589	9,256	9,585	10,567	9,751	9,092	10,069	11,778	
-355	-424	-524	-319	-613	-576	-890	-305	-189	-143	-137	-205	
7,511	7,859	8,399	8,568	9,474	10,170	10,481	10,874	9,941	9,235	10,206	11,987	
7,617	8,277	8,887	9,475	10,260	10,525	10,325	10,617	9,913	9,943	9,995	11,133	
1,728	1,698	1,991	2,155	2,623	2,444	2,162	2,121	2,077	1,958	1,966	2,574	
4,220	4,642	5,103	5,408	5,793	6,228	6,341	6,607	6,365	6,512	6,641	7,271	
1,184	1,252	1,275	1,098	1,336	1,154	1,260	1,267	1,226	1,169	1,103	1,055	
244	276	248	316	165	154	109	168	142	161	139	11	
1,839	1,953	1,749	1,926	1,916	1,073	4,149	5,427	6,151	6,203	6,711	7,509	
1,839	2,024	1,807	1,955	1,955	1,086	961	2,048	2,170	2,134	1,829	1,966	
-	-	-	-	-	-	3,187	3,674	4,393	4,403	5,123	5,758	
-	-72	-57	-29	-39	-13	-	-	-	-	-	-	
-1,078	-1,049	-1,134	-1,011	-749	-1,352	-1,356	-4,190	-4,830	-4,791	-5,368	-3,216	
-71	-74	-418	-75	-165	-808	-1,141	-1,653	-2,237	-1,986	-2,560	-3,216	
333	342	355	365	619	633	707	1,104	1,245	1,338	1,401	1,534	
102	106	109	114	355	371	408	729	791	831	873	989	
5	6	9	6	5	5	6	8	10	23	23	27	
225	229	238	245	259	257	271	338	415	401	402	438	
-	-	-	-	-	-	22	29	29	83	103	-	
2,064	2,173	2,409	2,647	2,864	3,053	3,301	3,500	3,657	3,755	4,194	4,349	
585	714	827	1,196	1,225	1,664	1,964	1,854	1,793	1,761	2,251	2,535	
1,479	1,459	1,582	1,451	1,640	1,389	1,337	1,646	1,864	1,994	1,944	1,814	
-	-	-	-	-	-	-	-	-	-	-	-	
1,742	1,856	2,074	2,311	2,513	2,882	2,982	3,147	3,386	3,508	3,811	4,091	
998	1,059	1,214	1,394	1,538	1,810	1,854	1,928	2,018	2,052	2,323	2,784	
18	19	17	5	18	18	17	19	20	18	19	20	
537	586	630	704	752	825	867	919	1,027	1,072	1,131	1,276	
188	192	214	196	205	229	245	280	321	366	338	-	

Major Economic Indicators of Chile

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	11.17	12.10	12.31	12.51	12.73	12.95	13.18	13.42
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	27.94	29.21	30.84	32.88	35.28	39.01	40.45	43.67
Real Term (Billions of 2000 Price and 2000 PPP)	52.17	54.53	57.58	319.48	65.86	72.82	75.51	81.53
Nominal (Billions of Current USD)	27.57	16.49	17.72	20.69	24.15	27.55	30.32	34.65
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	2,501	2,413	2,507	2,627	2,772	3,012	3,069	3,255
Real Term (2000 Price and 2000 PPP)	4,669	4,506	4,679	4,905	5,175	5,624	5,730	6,076
Nominal (Current USD)	2,468	1,362	1,440	1,654	1,898	2,127	2,301	2,582
Nominal GDP & its Components (Billions of Current CLP) *1								
Gross Domestic Product	1,075.32	2,651.94	3,419.21	4,540.56	5,917.88	7,353.73	9,245.50	12,100.50
Household Final Consumption Expenditure, etc.	760.09	1,775.62	2,238.75	2,906.18	3,545.35	4,421.96	5,719.56	7,660.86
General Government Final Consumption Expenditure	133.89	355.80	430.17	494.10	613.34	741.79	901.87	1,169.60
Gross Fixed Capital Formation	178.98	446.72	586.02	881.61	1,201.54	1,733.48	2,139.60	2,412.01
Stock Change	47.07	9.23	59.68	128.37	145.86	115.88	182.08	316.90
Exports of Goods and Services	245.39	746.45	994.63	1,374.30	2,045.60	2,638.80	3,200.92	4,011.93
Imports of Goods and Services	290.10	681.89	890.04	1,243.99	1,633.82	2,298.19	2,898.52	3,470.82
Real GDP & its Components (Billions of 1986 CLP) *1								
Gross Domestic Product	3,097.96	3,238.00	3,419.21	3,644.68	3,911.15	4,324.18	4,484.07	4,841.45
Household Final Consumption Expenditure, etc.	2,345.66	2,129.74	2,238.75	2,400.57	2,569.30	2,829.98	2,892.01	3,148.53
General Government Final Consumption Expenditure	442.45	425.55	430.17	419.09	434.14	450.46	454.20	470.44
Gross Fixed Capital Formation	696.68	572.19	586.02	713.26	814.21	1,058.46	1,085.10	1,083.17
Stock Change	111.93	31.94	59.68	105.76	99.87	98.98	134.45	144.79
Exports of Goods and Services	824.28	903.43	994.63	1,061.68	1,184.36	1,375.17	1,493.67	1,679.39
Imports of Goods and Services	1,323.04	824.84	890.04	1,055.67	1,190.73	1,488.86	1,575.35	1,684.87
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	7.7	8.4	8.6	8.8	9.2	8.8	9.3	8.8
Industry	35.9	35.3	35.4	34.6	34.9	34.3	33.6	33.4
Services, etc.	56.4	51.8	51.7	51.6	50.8	50.7	50.6	51.0
Manufacturing Production Index (2000=100) *2	53.0	51.9	56.2	58.5	63.1	67.8	68.4	72.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b	4.705	3.804	4.191	5.224	7.052	8.080	8.372	8.941
Imports, c.i.f.	5.797	3.072	3.436	4.396	5.292	7.144	7.742	8.207
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-0.764	0.884	1.092	1.309	2.210	1.483	1.284	1.485
Current Account	-1.971	-1.413	-1.191	-0.735	-0.231	-0.691	-0.485	-0.098
Overall Balance	1.321	-2.877	-3.187	-1.621	-1.256	0.519	2.323	1.257
Foreign Exchange Rate (CLP/USD) *1	39.0000	160.8600	192.9300	219.4067	245.0117	266.9542	304.9033	349.2158
Purchasing Power Parity (CLP/International Dollar) *1	38.6635	64.1687	78.1346	97.3494	114.6606	125.4563	148.6954	174.4282
Price Indices								
GDP Deflator (1986=100) *3	34.7	81.9	100.0	124.6	151.3	170.1	206.2	249.9
Industrial Share Prices Index (2000=100) *2	2.0	1.9	4.1	7.5	11.1	17.8	27.6	49.9
Consumer Price Index (2000=100) *2	6.4	16.6	20.1	24.1	27.6	32.3	40.7	49.6
Growth Rate (%) *3								
Real GDP	8.15	7.12	5.60	6.59	7.31	10.56	3.70	7.97
Population	1.45	1.67	1.68	1.69	1.71	1.74	1.78	1.82
Price								
Home & Import Goods Price Index (2000=100)	168.6	23.7	119.5	82.6	48.5	61.0	54.5	80.8
Consumer Price Index	35.1	29.5	20.6	19.9	14.7	17.0	26.0	21.8

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. shows "not available"
 : CLP shows Chilean Peso, USD shows United States Dollar
 : PPP shows Purchasing Power Parity

Major Economic Indicators of Chile (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
13.67	13.92	14.16	14.39	14.62	14.83	15.03	15.22	15.41	15.60	15.78	15.95	16.12
49.03	52.46	55.45	61.35	65.90	70.25	72.52	71.97	75.20	77.74	79.43	82.40	87.39
91.54	97.93	103.52	114.53	123.02	131.14	135.38	134.35	140.38	145.12	148.29	153.82	163.15
41.88	44.47	50.92	65.22	68.57	82.81	79.37	73.00	75.20	68.57	67.27	73.37	94.13
3,588	3,770	3,916	4,262	4,508	4,738	4,825	4,728	4,879	4,984	5,035	5,166	5,420
6,698	7,037	7,311	7,956	8,416	8,844	9,008	8,826	9,109	9,305	9,400	9,644	10,118
3,065	3,196	3,596	4,530	4,691	5,585	5,282	4,795	4,879	4,396	4,264	4,600	5,838
15,185.40	17,974.90	21,395.20	25,875.70	28,268.36	34,722.64	36,534.88	37,138.54	40,575.32	43,536.75	46,341.83	50,730.70	57,356.96
9,893.73	11,846.70	13,829.10	16,187.10	19,785.01	21,972.02	23,703.56	23,927.92	25,897.22	27,771.99	29,241.84	31,229.53	33,097.81
1,469.02	1,803.52	2,128.54	2,543.35	3,426.06	3,860.48	4,197.12	4,603.83	5,053.86	5,480.77	5,943.92	6,313.69	6,656.29
3,405.04	4,479.54	4,980.33	6,177.10	8,240.74	9,414.20	9,545.74	7,740.11	8,410.72	9,041.32	9,543.45	11,415.50	12,675.89
209.96	284.53	175.36	496.70	-642.42	-819.78	480.53	191.37	683.03	-313.54	638.95	690.90	743.58
4,654.60	4,943.13	6,269.53	7,904.95	8,125.47	8,709.70	8,722.04	10,273.18	11,461.15	15,182.05	18,476.68	15,992.29	20,798.00
4,446.91	5,382.56	5,987.64	7,433.50	8,735.26	9,342.42	9,933.06	9,840.42	11,810.67	15,394.06	14,385.89	16,295.90	16,974.94
5,435.88	5,815.65	6,147.61	6,800.95	7,305.14	7,787.69	8,039.30	7,978.13	8,336.27	8,617.79	8,806.02	9,134.59	9,688.17
3,582.72	3,848.85	4,163.54	4,572.26	4,972.49	4,927.94	5,215.84	5,140.21	5,320.63	5,497.27	5,556.62	5,623.20	5,590.55
496.75	518.17	528.22	550.27	567.09	865.84	923.55	989.00	1,038.33	1,084.88	1,129.48	1,136.85	1,124.31
1,343.41	1,584.63	1,682.65	2,078.07	2,263.41	2,111.44	2,100.49	1,662.74	1,728.00	1,789.67	1,813.47	2,055.48	2,141.09
152.04	226.46	142.46	371.37	355.22	-183.86	105.74	41.11	140.33	-62.06	121.42	124.40	125.60
1,913.27	1,980.89	2,211.22	2,454.09	2,743.31	3,001.79	3,180.32	3,398.55	3,653.45	4,007.83	4,682.41	3,840.32	4,685.07
2,052.31	2,343.36	2,580.48	3,225.11	3,606.74	4,071.24	4,291.61	3,679.53	3,544.46	3,498.38	3,138.46	3,368.76	3,291.83
8.8	7.2	7.2	6.8	6.4	4.1	4.3	4.2	4.3	3.8	3.9	3.9	3.5
32.5	32.7	32.4	31.7	31.5	36.3	33.8	33.8	34.8	35.5	35.8	37.3	40.9
50.9	51.6	51.5	51.3	51.4	50.3	52.1	52.6	51.5	51.5	50.9	50.1	47.3
80.6	82.4	84.5	88.6	91.9	96.4	96.5	96.5	100.0	101.9	102.6	108.0	116.6
10.007	9.198	11.604	16.024	16.627	17.902	16.323	17.162	19.210	18.272	18.180	21.524	32.025
10.183	11.134	11.820	15.900	19.199	20.822	19.880	15.988	18.507	17.429	17.091	19.381	24.871
0.722	-0.990	0.732	1.381	-1.072	-1.428	-2.040	2.427	2.119	1.844	2.386	3.522	9.019
-0.957	-2.555	-1.586	-1.350	-3.083	-3.660	-3.918	0.099	-0.898	-1.100	-0.580	-1.102	1.390
2.547	0.428	3.151	1.139	2.593	3.318	-2.191	-0.747	0.317	-0.599	0.185	-0.357	-0.191
362.5758	404.1658	420.1767	396.7733	412.2667	419.2950	460.2875	508.7767	539.5875	634.9384	688.9363	691.4325	609.3687
192.7336	210.0871	228.8433	247.3815	247.5960	253.8955	259.9086	286.7299	289.0371	285.3015	303.6313	308.9336	312.9373
279.4	309.1	348.0	380.5	387.0	445.9	454.5	465.5	486.7	505.2	526.3	555.4	592.0
68.7	77.7	108.1	137.6	122.8	111.3	83.3	90.3	100.0	106.6	104.2	131.4	174.3
57.2	64.5	71.9	77.8	83.5	88.7	93.2	96.3	100.0	103.6	106.1	109.1	110.3
12.28	6.99	5.71	10.63	7.41	6.61	3.23	-0.76	4.49	3.38	2.18	3.73	6.06
1.84	1.83	1.76	1.65	1.54	1.44	1.36	1.29	1.24	1.20	1.15	1.11	1.08
37.8	13.0	39.1	27.3	-10.8	-9.4	-25.2	8.5	10.7	6.6	-2.3	26.1	32.7
15.4	12.7	11.4	8.2	7.4	6.1	5.1	3.3	3.8	3.6	2.5	2.8	1.1

Energy Price of Chile in 2004

Currency Exchange Rate

	Local currency / US Dollar	
Currency Exchange Rate		
Local Currency Unit		

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	USD/t	69.79	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	USD/t	25.80	Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
Oil and Oil Products			Gas Works Gas			Gas Works Gas		
Crude Oil	USD/m3	234.05	Oil and Oil Products			Oil and Oil Products		
Natural Gas Liquids			Crude Oil			Crude Oil		
Ethane			Natural Gas Liquids			Natural Gas Liquids		
LPG	USD/m3	181.42	Ethane			Ethane		
Naphtha			LPG	\$/Kg	318.08	LPG	\$/Kg	600.16
Motor Gasoline	USD/m3	263.94	Naphtha			Naphtha		
Aviation Gasoline			Motor Gasoline	\$/ltr	230.64	Motor Gasoline	\$/ltr	490.73
Gasoline Type Jet Fuel			Aviation Gasoline			Aviation Gasoline		
Kerosene Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Other Kerosene			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Gas/Diesel Oil	USD/m3	281.32	Other Kerosene	\$/ltr	216.74	Other Kerosene	\$/ltr	317.33
Fuel Oil			Gas/Diesel Oil	\$/ltr	213.90	Gas/Diesel Oil	\$/ltr	333.69
White Spirit SBP			Fuel Oil			Fuel Oil		
Lubricants			White Spirit SBP			White Spirit SBP		
Bitumen			Lubricants			Lubricants		
Paraffin Waxes			Bitumen			Bitumen		
Petroleum Coke			Paraffin Waxes			Paraffin Waxes		
Natural Gas			Petroleum Coke			Petroleum Coke		
Natural Gas	USD/m3	0.07	Natural Gas			Natural Gas		
Liquefied Natural Gas			Natural Gas			Natural Gas	\$/m3	333.70
Compressed Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Electricity			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Other Energy Products			Electricity	\$/Kwh	25.87	Industrial	\$/KWh	36.53
			Other Energy Products			Commercial	\$/KWh	65.32
						Residential	\$/KWh	60.81
						Others		
						Other Energy Products		

3.5 China

Energy Balance Table of People's Republic of China in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	946,373	-	167,080	-	-	-	-	-	-
2 Import	9,607	1,071	116,584	45,143	-	44	2,545	214	2,664
3 Export	-41,871	-9,939	-5,217	-12,820	-5,159	-1,218	-2,090	-48	-617
4 International Marine Bunkers	-	-	-	-399	-	-	-122	-	-58
5 Stock Changes	-769	-3,706	-2,830	-2,164	-261	-	16	4	-1,089
6 Total Primary Energy Supply	913,340	-12,575	275,617	29,760	-5,420	-1,174	348	170	900
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-611,302	158,328	-263,678	232,683	50,228	16,518	9,338	1,365	92,139
8.1 Main Activity Producer	-457,444	-5,628	-	-	-	-	-	-	-
8.2 Autoproducers	-	-	-174	-21,648	-4	-	-	-	-3,245
8.3 Gas Processing	-6,252	2,519	-	-100	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-263,504	254,431	50,232	16,518	9,338	1,365	95,384
8.5 Coal Transformation	-147,606	161,437	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-48,578	-997	-6,162	-6,252	-811	-	-	-47	-3,086
10. Discrepancy	13,724	3,877	-2,499	-868	247	-1	-16	59	-566
11 Total Final Energy Consumption	267,184	148,632	3,279	255,324	44,245	15,343	9,671	1,548	89,387
12 Industry Sector	206,110	138,843	2,222	77,834	5,789	15,343	-	459	15,852
13 Transport Sector	3,952	12	-	82,399	22,181	-	8,323	41	40,526
14 Other Sector	57,122	9,778	-	68,407	16,116	-	1,348	978	32,703
14.1 Residential & Commercial	42,959	8,969	-	27,680	5,542	-	-	303	5,161
14.2 Agriculture	10,692	637	-	19,422	2,154	-	-	11	17,193
14.3 Other	3,472	172	-	21,305	8,420	-	1,348	664	10,349
15 Non-energy	-	-	1,057	26,684	159	-	-	69	306

Energy Balance Table of People's Republic of China in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	817,966	-	161,123	-	-	-	-	-	-
2 Import	5,582	696	86,471	36,663	-	-	-	2,057	822
3 Export	-48,304	-9,663	-7,727	-14,557	-7,380	-	-	-1,973	-2,170
4 International Marine Bunkers	-	-	-	-1,267	-	-	-	-	-198
5 Stock Changes	-2,369	-2,409	-585	-52	349	-	-	173	654
6 Total Primary Energy Supply	772,875	-11,375	239,282	20,786	-7,031	-	-	257	-892
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-547,994	130,358	-227,520	202,302	46,873	-	-	8,369	80,052
8.1 Main Activity Producer	-410,426	-622	-998	-17,268	-5	-	-	-	-2,629
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-5,490	369	-	-199	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-226,523	219,768	46,878	-	-	8,369	82,680
8.5 Coal Transformation	-132,078	130,611	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-21,238	-408	-6,783	-5,046	-689	-	-	-65	-2,031
10. Discrepancy	31,119	-9,132	-2,518	-1,493	-3	-	-	69	-560
11 Total Final Energy Consumption	234,762	109,443	2,461	216,549	39,150	-	-	8,631	76,569
12 Industry Sector	160,541	95,409	1,314	70,306	6,368	-	-	694	15,468
13 Transport Sector	5,587	72	132	64,974	18,216	-	-	5,761	33,511
14 Other Sector	56,988	7,762	12	59,843	14,372	-	-	2,076	27,304
14.1 Residential & Commercial	44,620	6,663	1	24,827	4,274	-	-	662	4,297
14.2 Agriculture	8,807	911	-	16,310	1,908	-	-	13	14,383
14.3 Other	3,561	188	11	18,705	8,190	-	-	1,401	8,624
15 Non-energy	11,647	6,199	1,002	21,426	194	-	-	100	286

Energy Balance Table of People's Republic of China in 2004 (Continued)

unit: ktoe

4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	35,341	30,405	13,152	-	5,770	-	-	1,198,120
29,063	7,307	-	-	3,306	-	-	-	-	-	292	-	172,697
-1,726	-36	-	-	-1,926	-2,044	-	-	-	-	-815	-	-72,707
-219	-	-	-	-	-	-	-	-	-	-	-	-399
-791	-42	-	-	-	-	-	-	-	-	-	-	-9,469
26,327	7,229	-	-	1,379	33,296	30,405	13,152	-	5,770	-523	-	1,288,243
-	-	-	-	-	-	-	-	-	-	-	-	-
3,574	16,046	7,050	-	36,423	-3,301	-30,405	-13,152	-	-2,757	189,485	47,107	-296,994
-	-	-	-	-	-	-30,405	-13,152	-	-2,428	176,961	25,855	-306,240
-15,604	-107	-1,648	-	-1,040	-3,301	-	-	-	-	12,524	21,252	8,652
-100	-	-	-	-	-	-	-	-	-	-	-	-3,833
19,278	16,154	8,698	-	37,463	-	-	-	-	-	-	-	-9,073
-	-	-	-	-	-	-	-	-	-	-	-	13,830
-	-	-	-	-	-	-	-	-	-329	-	-	-329
-706	-954	-401	-	-247	-6,286	-	-	-	-	-41,153	-10,272	-119,699
-162	-357	-63	-	-9	-59	-	-	-	-6	-120	-843	13,206
29,033	21,965	6,586	-	37,546	23,650	-	-	-	3,006	147,690	35,992	884,756
16,619	4,096	6,506	-	13,170	15,128	-	-	-	3,006	100,433	24,719	568,295
10,929	399	-	-	-	935	-	-	-	-	3,867	-	91,165
392	16,870	-	-	-	7,586	-	-	-	-	43,389	11,273	197,555
237	16,436	-	-	-	6,402	-	-	-	-	27,519	10,421	123,948
6	58	-	-	-	-	-	-	-	-	6,661	18	37,430
148	375	-	-	-	1,185	-	-	-	-	9,210	834	36,177
1,093	600	80	-	24,376	-	-	-	-	-	-	-	27,740

Energy Balance Table of People's Republic of China in 2003 (Continued)

unit: ktoe

4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	29,339	24,405	11,295	-	4,629	-	-	1,048,757
22,757	7,259	-	-	3,767	-	-	-	-	-	256	-	129,667
-723	-27	-	-	-2,282	-1,569	-	-	-	-	-889	-	-82,710
-1,070	-	-	-	-	-	-	-	-	-	-	-	-1,267
-1,089	-113	-	-	-26	-	-	-	-	-	-	-	-5,415
19,875	7,119	-	-	1,458	27,770	24,405	11,295	-	4,629	-633	-	1,089,033
-	-	-	-	-	-	-	-	-	-	-	-	-
6,331	13,796	6,010	-	40,871	7,369	-24,405	-11,295	-	-1,937	164,092	42,322	-266,709
-12,517	-18	-1,432	-	-668	-4,763	-24,405	-11,295	-	-1,937	164,092	42,322	-265,300
-	-	-	-	-	-	-	-	-	-	-	-	-
-199	-	-	-	-	12,132	-	-	-	-	-	-	6,812
19,046	13,814	7,442	-	41,539	-	-	-	-	-	-	-	-6,754
-	-	-	-	-	-	-	-	-	-	-	-	-1,467
-	-	-	-	-	-	-	-	-	-	-	-	-
-1,186	-252	-627	-	-195	-5,894	-	-	-	-532	-34,454	-3,945	-78,299
-671	-451	113	-	8	647	-	-	-	-1	270	-1	18,890
24,348	20,211	5,497	-	42,142	29,892	-	-	-	2,159	129,274	38,376	762,916
16,143	3,518	5,016	-	23,099	17,057	-	-	-	1,857	86,757	29,026	462,267
7,087	399	-	-	-	147	-	-	-	-	3,415	-	74,328
244	15,846	-	-	-	7,093	-	-	-	-	39,102	9,350	180,150
124	15,471	-	-	-	7,093	-	-	-	-	24,613	8,608	116,426
6	-	-	-	-	-	-	-	-	-	6,651	17	32,696
115	375	-	-	-	-	-	-	-	-	7,838	724	31,028
874	448	481	-	19,044	5,595	-	-	-	302	-	-	46,171

Major Energy Indicators of People's Republic of China

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	399,640	500,652	529,807	563,520	602,794	616,400	621,246	629,562	659,882
Indigenous Production	414,121	553,754	570,177	589,295	618,777	656,184	670,463	674,663	689,889
Import	1,733	1,970	4,284	3,918	5,736	11,088	8,014	11,125	19,692
Export	-20,336	-38,387	-36,382	-36,354	-36,375	-36,440	-36,976	-50,562	-49,480
Final Energy Consumption	301,391	388,087	395,200	420,398	451,038	465,824	469,304	511,780	539,663
Industry	205,656	257,297	262,915	281,354	301,324	314,576	316,812	322,300	343,018
Transport	14,248	23,037	24,190	25,275	26,341	27,273	27,290	29,167	30,824
Residential & Commercial	71,863	98,865	98,701	103,452	112,550	112,266	112,119	125,996	124,763
Agriculture	9,624	8,888	9,309	10,228	10,725	11,613	12,270	26,502	24,464
Coal, Coal Products									
Primary Energy Supply	297,182	392,470	415,912	444,052	474,055	481,588	486,547	488,506	507,408
Indigenous Production	294,577	414,343	424,677	440,792	465,450	500,728	512,955	516,528	530,291
Import	945	1,109	922	815	805	944	833	650	1,402
Export	-3,177	-3,929	-3,541	-5,122	-6,558	-6,983	-7,395	-23,501	-23,288
Transformation Sector	-64,566	-82,257	-107,042	-119,147	-129,712	-122,014	-152,839	-156,548	-173,173
Power Generation	-54,629	-70,429	-78,272	-88,810	-98,068	-105,054	-113,794	-145,863	-163,379
Final Energy Consumption	213,919	283,383	282,342	298,886	319,642	326,715	325,981	345,920	368,891
Industry	138,597	182,027	182,300	195,150	208,752	217,621	217,747	224,049	239,440
Transport	9,606	11,491	10,823	10,746	10,884	11,002	10,504	10,302	9,787
Residential & Commercial	65,715	89,866	89,134	92,901	99,908	97,996	97,005	99,783	93,548
Agriculture	-	-	-	-	-	-	-	11,068	9,562
Crude Oil									
Primary Energy Supply	87,619	90,409	97,067	101,610	106,421	110,276	111,936	117,812	124,989
Indigenous Production	100,650	118,653	124,156	127,434	130,196	130,762	131,526	133,945	134,995
Import	348	-	433	-	812	3,100	2,780	5,674	10,792
Export	-12,644	-28,529	-27,073	-25,865	-24,743	-23,169	-22,813	-21,126	-20,435
Transformation Sector	-80,210	-84,252	-90,306	-95,323	-99,501	-102,842	-105,420	-111,593	-120,182
Petroleum Refineries	-74,757	-81,596	-87,971	-92,865	-97,276	-101,295	-104,236	-110,577	-119,144
Petroleum Products									
Primary Energy Supply	-4,055	-2,985	-4,515	-3,210	-813	-158	-3,220	-1,190	2,462
Import	440	861	2,929	3,103	4,119	7,044	4,402	4,533	7,069
Export	-4,515	-5,929	-5,768	-5,367	-5,073	-6,288	-6,766	-5,913	-5,748
Transformation Sector	59,827	60,525	76,589	81,134	83,878	87,606	91,456	93,843	100,267
Power Generation	-14,182	-10,907	-10,538	-10,622	-12,192	-12,239	-10,583	-14,330	-14,561
Petroleum Refineries	74,009	71,432	87,127	91,756	96,070	99,844	102,039	108,604	115,288
Final Energy Consumption	47,242	58,169	62,297	67,087	71,389	75,301	76,714	92,547	90,497
Industry	31,236	36,031	37,789	40,733	42,994	44,772	45,481	42,776	43,745
Transport	4,406	10,993	12,767	13,844	14,637	15,397	15,833	17,692	19,703
Residential & Commercial	4,298	4,986	5,201	5,375	6,292	7,048	6,717	13,704	16,600
Agriculture	7,302	6,159	6,540	7,135	7,467	8,083	8,599	11,308	10,409
Natural Gas									
Primary Energy Supply	11,957	10,834	11,530	10,834	11,949	12,611	12,818	13,465	13,230
Indigenous Production	11,957	10,834	11,530	10,834	11,949	12,611	12,818	13,465	13,230
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-201	364	333	259	287	447	464	724	1,103
Power Generation	-201	-226	-394	-637	-478	-863	-612	-561	-687
Final Energy Consumption	10,942	9,953	10,410	10,913	11,521	11,407	11,885	9,244	9,742
Industry	10,725	9,219	9,595	9,879	10,031	9,702	9,976	7,372	7,579
Transport	8	8	25	25	50	25	42	42	34
Residential & Commercial	209	726	790	1,009	1,440	1,680	1,867	1,823	2,130
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	25,939	35,322	38,657	42,764	46,884	50,294	53,421	58,234	64,728
Thermal	20,848	27,375	30,530	34,164	37,501	40,112	42,525	47,510	53,356
Hydro	5,091	7,946	8,127	8,600	9,383	10,182	10,896	10,722	11,237
Nuclear	-	-	-	-	-	-	-	3	136
Final Energy Consumption	23,360	32,182	35,444	39,264	43,212	46,326	49,285	45,046	49,953
Industry	19,169	25,620	28,524	31,344	34,272	36,405	38,173	32,407	35,537
Transport	228	545	575	660	770	849	911	1,008	1,170
Residential & Commercial	1,641	3,287	3,577	4,168	4,911	5,542	6,531	7,504	8,753
Agriculture	2,322	2,730	2,768	3,093	3,259	3,530	3,670	4,126	4,493

Major Energy Indicators of People's Republic of China (Continued)

ktoe											
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
714,340	753,997	815,445	849,573	810,447	804,544	834,847	860,127	880,236	933,547	1,089,033	1,288,243
712,609	761,053	827,994	851,421	805,575	791,297	806,023	822,366	870,146	912,783	1,048,757	1,198,120
33,457	25,898	33,648	42,185	60,346	53,513	60,391	92,001	85,922	100,675	129,667	172,697
-33,964	-36,191	-42,086	-47,286	-45,522	-45,245	-44,428	-61,104	-76,731	-74,596	-82,710	-72,707
568,381	581,487	630,083	654,385	609,488	553,748	598,560	607,391	617,570	653,270	762,916	884,756
337,983	351,367	390,887	398,232	361,224	337,801	361,600	363,429	366,628	387,653	462,267	596,036
31,915	31,794	34,627	34,789	42,018	47,944	52,894	57,190	58,518	63,235	74,328	91,165
98,651	94,389	102,200	112,904	99,242	79,456	90,647	92,036	94,529	101,288	116,426	123,948
23,561	24,970	27,233	27,654	27,310	27,376	28,479	28,799	29,840	31,512	32,696	37,430
546,118	582,015	626,218	646,157	594,621	575,292	595,033	599,670	606,663	638,853	761,499	900,765
546,580	588,965	646,360	663,445	619,497	593,762	608,012	617,137	656,235	690,930	817,966	946,373
678	574	777	1,528	908	766	1,030	1,403	1,625	5,723	6,278	10,678
-11,098	-14,101	-19,318	-22,295	-20,360	-23,347	-25,891	-38,116	-55,223	-52,131	-57,967	-51,810
-189,388	-216,313	-248,441	-271,095	-258,771	-243,529	-293,125	-316,369	-332,344	-361,012	-417,636	-452,975
-182,747	-201,179	-221,442	-242,979	-231,173	-231,153	-288,058	-310,960	-326,864	-355,704	-411,048	-463,072
374,110	378,388	403,859	408,095	350,251	294,496	296,506	281,403	275,683	280,855	344,205	415,816
246,290	257,433	285,189	283,634	249,403	221,018	214,922	205,646	201,540	205,030	255,950	344,953
8,918	7,716	6,700	5,991	6,927	6,190	6,039	5,263	4,742	5,066	5,659	3,964
79,615	72,679	77,853	83,980	68,430	43,939	48,000	44,350	43,262	44,167	51,283	51,927
9,071	9,802	10,641	10,543	10,213	9,438	8,988	8,473	8,051	8,579	9,718	11,329
132,798	132,947	140,555	151,249	157,937	164,514	180,002	203,142	204,607	216,310	239,282	275,617
137,918	138,780	142,545	149,470	145,072	152,953	152,003	154,853	155,764	158,653	161,123	167,080
14,888	11,729	16,236	21,486	32,012	25,955	34,784	66,753	57,248	65,937	86,471	116,584
-18,463	-17,567	-17,316	-19,383	-17,896	-14,820	-6,809	-9,791	-7,173	-7,282	-7,727	-5,217
-125,399	-126,882	-136,987	-144,821	-151,115	-159,581	-173,337	-193,845	-194,761	-205,882	-227,520	-263,678
-124,456	-126,198	-136,360	-144,070	-150,401	-158,641	-172,453	-192,904	-193,868	-205,016	-226,523	-263,504
6,936	5,903	10,047	13,970	17,495	20,772	17,389	10,286	14,088	18,505	20,786	29,760
17,503	13,436	16,579	19,160	27,418	26,790	24,546	23,712	26,894	28,817	36,663	45,143
-4,392	-4,188	-4,934	-5,289	-6,646	-6,461	-8,112	-9,718	-10,912	-11,666	-14,557	-12,820
102,965	107,060	117,372	125,116	129,652	138,612	154,091	173,522	175,107	183,215	202,302	232,683
-19,192	-15,946	-16,181	-15,005	-17,699	-15,932	-14,680	-14,442	-14,926	-15,372	-17,268	-21,648
122,157	123,005	133,553	140,659	147,350	154,544	168,887	188,210	190,249	198,767	219,768	254,431
101,268	104,756	115,798	127,639	135,948	128,399	167,142	177,862	182,015	196,693	216,549	255,324
26,805	27,078	28,518	30,120	25,702	29,697	57,349	59,774	60,555	65,069	70,306	104,518
21,673	22,603	26,303	26,994	32,874	39,533	44,414	49,238	50,837	54,963	64,974	82,399
5,867	6,180	8,220	10,588	10,933	11,906	17,804	19,277	19,906	22,209	24,827	27,680
10,317	10,567	11,576	11,768	11,580	12,562	13,797	14,523	15,217	16,239	16,310	19,422
14,048	14,713	15,038	16,854	17,121	19,505	18,284	20,161	22,866	24,683	27,770	33,296
14,048	14,713	15,038	16,854	17,121	19,505	21,113	22,791	25,413	27,367	29,339	35,341
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-2,830	-2,630	-2,546	-2,684	-1,569	-2,044
4,580	1,844	11,771	10,423	7,965	7,724	6,244	6,022	6,213	6,405	7,369	-3,301
-898	-1,091	-1,640	-2,311	-2,319	-3,472	-3,648	-4,370	-4,713	-4,597	-4,763	-3,301
17,243	16,003	24,900	26,486	21,241	25,167	19,837	21,678	23,684	25,214	29,892	23,650
10,098	8,382	18,827	19,570	15,515	15,594	11,745	12,733	12,914	13,561	17,057	15,128
65	65	56	102	16	22	66	84	101	131	147	935
2,886	3,084	2,714	2,613	2,688	5,038	3,933	4,669	5,688	6,495	7,093	6,402
34	34	2	19	-	-	-	-	-	-	-	-
72,228	79,815	86,695	92,914	97,599	100,328	106,439	116,428	127,181	142,056	164,092	189,485
58,533	61,698	66,955	73,006	76,981	78,760	85,632	92,932	98,760	110,733	128,392	145,928
13,277	14,458	16,395	16,171	16,860	17,894	16,912	19,134	23,867	24,774	24,405	30,405
418	3,659	3,344	3,737	3,757	3,674	3,896	4,362	4,553	6,548	11,295	13,152
55,291	57,270	60,634	65,529	74,269	77,188	82,289	90,621	98,785	110,371	129,274	147,690
38,391	37,684	40,300	43,696	49,417	49,723	53,640	59,109	63,995	72,740	86,757	100,433
1,258	1,411	1,568	1,702	2,201	2,199	2,192	2,419	2,661	2,908	3,415	3,867
7,506	8,997	10,367	11,667	13,062	13,918	15,688	17,771	19,650	21,520	24,613	27,519
4,137	4,563	5,011	5,319	5,504	5,364	5,681	5,789	6,559	6,678	6,651	6,661

Major Economic Indicators of People's Republic of China

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	981.24	1,051.04	1,066.79	1,084.03	1,101.63	1,118.65	1,135.19	1,150.78
Gross Domestic Product *4								
Real Term (Billions of 2000 Price and 2000 USD)	182.94	304.46	331.25	369.68	411.45	428.32	444.59	485.50
Real Term (Billions of 2000 Price and 2000 PPP)	816.70	1,359.19	1,478.80	319.48	1,836.83	1,912.14	1,984.81	2,167.41
Nominal (Billions of Current USD)	301.51	305.26	295.48	321.39	401.07	449.10	387.77	406.09
GDP per Capita *4								
Real Term (2000 Price and 2000 USD)	186	290	311	341	373	383	392	422
Real Term (2000 Price and 2000 PPP)	832	1,293	1,386	1,522	1,667	1,709	1,748	1,883
Nominal (Current USD)	307	290	277	296	364	401	342	353
Nominal GDP & its Components (Billions of Current CNY) *1								
Gross Domestic Product	451.78	896.44	1,020.22	1,196.25	1,492.83	1,690.92	1,854.79	2,161.78
Household Final Consumption Expenditure, etc.	231.71	458.90	517.50	596.72	763.31	852.35	911.32	1,031.59
General Government Final Consumption Expenditure	65.90	118.40	136.70	149.00	172.70	203.30	225.20	283.00
Gross Fixed Capital Formation	131.80	264.10	309.80	374.20	462.40	433.90	473.20	594.00
Stock Change	27.20	74.50	74.80	58.00	87.10	175.60	171.20	157.70
Exports of Goods and Services	48.40	89.64	120.59	195.65	254.53	282.34	355.49	452.94
Imports of Goods and Services	50.06	126.69	149.91	196.02	275.26	299.64	290.46	375.04
Real GDP & its Components (Billions of 1990 CNY) *1								
Gross Domestic Product	763.20	1,270.16	1,381.93	1,542.24	1,716.51	1,786.89	1,854.79	2,025.43
Household Final Consumption Expenditure, etc.	411.41	690.24	733.88	787.24	857.70	866.97	911.32	974.15
General Government Final Consumption Expenditure	93.61	161.69	181.09	191.78	199.64	206.23	225.20	268.66
Gross Fixed Capital Formation	231.35	384.02	423.19	485.83	529.06	457.64	473.20	547.49
Stock Change	50.36	119.60	116.19	85.38	108.97	188.05	171.20	149.75
Exports of Goods and Services	204.80	281.53	283.54	306.36	329.71	337.95	355.49	401.98
Imports of Goods and Services	143.83	306.96	299.59	274.87	336.32	346.04	290.46	343.27
Sectional Shares of Real GDP (%) *4								
Agriculture, Fishery and Forest	36.1	32.2	30.6	28.7	26.4	26.2	27.0	25.4
Industry	40.8	39.5	40.0	40.8	42.0	41.8	41.6	43.4
Services, etc.	24.0	29.2	30.1	30.9	31.4	31.8	31.3	31.2
Industrial Production Index (1995=100) *4	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.	18,099	27,350	30,942	39,437	47,516	52,538	62,091	71,910
Imports, c.i.f.	19,941	42,252	42,904	43,216	55,268	59,142	53,345	63,791
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	-13.123	-9.140	-1.661	-5.315	-5.620	9.165	8.743
Current Account	N.A.	-11.417	-7.034	0.300	-3.802	-4.317	11.997	13.272
Overall Balance	N.A.	-2.440	-2.048	4.783	2.374	-0.479	12.047	14.537
Foreign Exchange Rate (CNY/USD) *1	1.4984	2.9367	3.4528	3.7221	3.7221	3.7651	4.7832	5.3234
Purchasing Power Parity (CNY/International Dollar) *1	1.1185	1.0367	1.0578	1.0809	1.1720	1.2298	1.2540	1.2923
Price Indices								
GDP Deflator (1990=100) *4	59.2	70.6	73.8	77.6	87.0	94.6	100.0	106.7
Wholesale Price Index (1995=100) *4	29.6	32.6	33.8	36.5	41.9	49.7	51.8	55.0
Consumer Price Index (1995=100) *4	30.4	36.0	38.1	40.9	48.5	57.1	58.3	60.0
Growth Rate (%)								
Real GDP *4	7.80	13.50	8.80	11.60	11.30	4.10	3.80	9.20
Population *4	1.26	1.37	1.50	1.62	1.62	1.54	1.48	1.37
Price *4								
Wholesale Price Index	0.5	8.7	3.8	7.9	15.0	18.6	4.1	6.2
Consumer Price Index	6.0	8.8	6.0	7.3	18.5	17.8	2.1	2.9

Source *1: "World Development Indicators", World Bank

*2: "International Financial Statistics", International Monetary Fund

*3: "China Statistics Yearbook", China Statistical Publishing House

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

Note : N.A. shows "not available"

: CNY shows Yuan Renminbi, USD shows United States Dollar

Major Economic Indicators of People's Republic of China (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1,164.97	1,178.44	1,191.84	1,204.86	1,217.55	1,230.08	1,241.93	1,253.74	1,262.64	1,271.85	1,280.40	1,288.40	1,296.16
554.44	632.06	714.86	792.78	872.06	953.16	1,027.50	1,105.60	1,198.47	1,297.94	1,416.05	1,557.66	1,714.98
2,475.18	2,821.71	3,191.35	3,539.21	3,893.13	4,255.19	4,587.09	4,935.71	5,350.31	5,794.39	6,321.68	6,953.84	7,656.18
483.05	613.23	559.22	727.95	856.09	952.65	1,019.48	1,083.28	1,198.47	1,324.80	1,453.83	1,640.96	1,931.64
476	536	600	658	716	775	827	882	949	1,021	1,106	1,209	1,323
2,125	2,394	2,678	2,937	3,198	3,459	3,694	3,937	4,237	4,556	4,937	5,397	5,907
415	520	469	604	703	774	821	864	949	1,042	1,135	1,274	1,490
2,663.81	3,533.40	4,819.80	6,079.40	7,117.70	7,897.30	8,440.20	8,967.70	9,921.50	10,965.50	12,033.30	13,582.30	15,987.80
1,245.98	1,568.24	2,080.98	2,694.45	3,215.23	3,485.46	3,692.11	3,933.44	4,289.56	4,589.81	4,888.16	5,267.85	5,904.83
349.23	449.97	598.62	669.05	785.16	872.49	948.48	1,038.83	1,170.53	1,302.93	1,391.69	1,476.40	1,638.18
831.70	1,298.00	1,685.60	2,030.05	2,333.61	2,515.42	2,763.08	2,947.55	3,262.38	3,681.33	4,191.83	5,124.83	6,135.86
131.90	201.80	240.43	357.65	353.11	330.34	191.51	122.61	-12.40	64.75	38.66	13.44	46.95
600.04	823.33	1,184.02	1,402.70	1,427.37	1,717.97	1,717.29	1,829.21	2,314.32	2,478.23	3,024.36	4,014.39	5,427.95
552.61	896.59	1,096.38	1,268.32	1,281.44	1,362.98	1,354.37	1,575.55	2,075.29	2,245.78	2,714.95	3,715.76	5,020.05
2,313.04	2,636.87	2,982.30	3,307.37	3,638.10	3,976.45	4,286.61	4,612.39	4,999.84	5,414.82	5,907.57	6,498.33	7,154.66
1,114.09	1,218.31	1,312.11	1,444.81	1,618.96	1,707.22	1,822.63	1,968.69	2,138.36	2,272.18	2,439.40	2,597.71	2,802.52
305.20	332.98	363.28	384.71	395.35	427.36	468.22	519.93	583.51	645.01	694.51	728.05	777.50
678.34	846.57	996.42	1,131.93	1,230.69	1,315.81	1,480.88	1,615.17	1,771.00	1,975.08	2,253.67	2,698.09	3,033.69
108.84	136.62	140.16	180.81	186.22	172.80	102.64	67.19	-6.73	34.74	20.78	7.08	23.21
447.03	507.86	635.68	676.28	671.51	825.46	884.59	1,018.73	1,330.12	1,458.09	1,887.00	2,392.25	3,072.01
447.02	626.15	694.05	745.83	754.35	838.24	864.27	1,059.55	1,319.10	1,461.30	1,863.51	2,324.92	2,847.88
23.3	21.4	19.6	18.6	17.8	16.8	16.2	15.4	14.6	13.8	13.1	12.2	11.7
46.1	48.4	50.7	52.1	53.1	53.7	54.2	54.5	55.0	55.0	55.4	56.7	57.2
30.7	30.2	29.6	29.3	29.2	29.5	29.6	30.1	30.5	31.1	31.6	31.1	31.0
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
84.940	91.744	121.006	148.780	151.048	182.792	183.712	194.931	249.203	266.098	325.591	438.228	593.329
80.585	103.959	115.615	132.084	138.833	142.370	140.237	165.699	225.094	243.553	295.171	412.760	561.230
5.183	-10.654	7.290	18.050	19.535	46.222	46.614	35.982	34.474	34.017	44.167	44.652	58.982
6.401	-11.609	6.908	1.618	7.243	36.963	31.472	21.115	20.518	17.401	35.422	45.875	68.659
-2.060	1.769	30.453	22.469	31.705	35.857	6.248	8.652	10.693	47.447	75.217	116.586	206.153
5.5146	5.7620	8.6187	8.3514	8.3142	8.2898	8.2790	8.2782	8.2785	8.2771	8.2770	8.2770	8.2768
1.3609	1.5199	1.7852	1.9505	2.0306	2.0196	1.9390	1.8752	1.8544	1.8276	1.8044	1.8189	1.9163
115.2	134.0	161.6	183.8	195.6	198.6	196.9	194.4	198.4	202.5	203.7	209.0	223.5
58.7	72.8	87.0	100.0	102.9	102.6	98.4	96.0	98.7	97.4	95.3	97.5	0.0
63.2	71.6	87.1	100.0	106.1	106.9	104.2	101.0	99.5	98.7	97.4	97.4	0.0
14.20	14.00	13.10	10.90	10.00	9.30	7.80	7.60	8.40	8.30	9.10	10.00	10.10
1.23	1.16	1.14	1.09	1.05	1.03	0.96	0.95	0.71	0.73	0.67	0.62	0.60
6.8	24.0	19.5	14.9	2.9	-0.3	-4.1	-2.4	2.8	-1.3	-2.2	2.3	-100.0
5.4	13.2	21.7	14.8	6.1	0.8	-2.6	-3.0	-1.5	-0.8	-1.3	-0.1	-100.0

Original Table (Quarterly) of China in 2005

Coal		Unit: 1,000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	128,791	2,030	6,740	n.a
	FEB.	111,383	1,190	5,330	n.a
	MAR.	140,023	2,190	7,960	n.a
	1st quarter	380,196	5,410	20,030	n.a
	APR.	143,866	1,980	6,440	-
	MAY.	149,891	2,370	3,780	-
	JUN.	158,596	2,350	6,470	-
	2nd quarter	452,353	6,700	16,690	-
	JUL.	151,756	2,840	5,650	-
	AUG.	153,959	1,760	5,930	-
	SEP.	157,641	1,790	6,230	-
	3rd quarter	463,356	6,390	17,810	-
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Oil		Unit: 1,000bbl						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	104,201	53,179	3,536	-1,220	22,917	7,480	4,805
	FEB.	93,942	70,385	408	-1,421	15,233	4,896	8,193
	MAR.	106,101	78,001	4,828	1,544	18,361	10,745	9,294
	1st quarter	304,244	201,565	8,773	-1,098	56,512	23,121	22,293
	APR.	100,217	83,305	8,025	2,280	17,001	9,589	10,103
	MAY.	104,294	70,793	1,496	3,888	13,397	10,745	10,093
	JUN.	101,886	76,505	6,256	8,926	20,061	8,093	-2,664
	2nd quarter	306,397	230,603	15,777	15,095	50,459	28,426	17,532
	JUL.	113,140	81,032	6,002	11,793	17,714	9,004	-8,067
	AUG.	113,699	64,123	3,660	9,146	17,275	12,078	-8,048
	SEP.	108,765	79,422	3,880	6,237	20,203	7,906	-3,992
	3rd quarter	335,604	224,578	13,542	27,176	55,193	28,987	-20,108
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Original Table (Quarterly) of China in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³			
	Production	Imports	Exports	Stock Changes	
2005	JAN.	4,496,000	-	-	-
	FEB.	3,779,000	-	-	-
	MAR.	4,128,000	-	-	-
	1st quarter	12,403,000	-	-	-
	APR.	3,927,000	-	-	-
	MAY.	3,998,000	-	-	-
	JUN.	3,818,000	-	-	-
	2nd quarter	11,743,000	-	-	-
	JUL.	3,948,000	-	-	-
	AUG.	4,055,000	-	-	-
	SEP.	3,941,000	-	-	-
	3rd quarter	11,944,000	-	-	-
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Electricity		Unit: GWh				Imports	Exports	
		Gross Generation						
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	191,489	165,049	18,141		8,299	-	840
	FEB.	160,106	137,679	16,623		5,804	-	719
	MAR.	194,047	167,558	20,994		5,495	-	659
	1st quarter	545,642	470,286	55,758		19,598	-	2,219
	APR.	189,206	158,671	25,441	-	5,094	-	809
	MAY.	192,470	152,130	34,702	-	5,638	-	19
	JUN.	200,675	155,377	39,856	-	5,442	-	1,812
	2nd quarter	582,351	466,178	99,999	-	16,174	-	2,640
	JUL.	217,890	171,734	40,421	-	5,735	-	1,268
	AUG.	216,205	171,207	38,978	-	6,020	-	1,307
	SEP.	205,325	162,247	37,401	-	5,677	-	1,314
	3rd quarter	639,420	505,188	116,800		17,432	-	3,889
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.6 Hong Kong, China

Energy Balance Table of Hong Kong, China in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	-	-	-	-	-	-	-
2 Import	6,242	-	-	17,594	395	741	4,096	48	6,297
3 Export	-0	-0	-	-1,415	-39	-	-122	-	-187
4 International Marine Bunkers	-	-	-	-8,466	-	-	-	-	-3,857
5 Stock Changes	-397	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	5,845	-0	-	7,713	356	741	3,974	48	2,254
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-5,867	648	-	-772	-	-712	-	-	-8
8.1 Main Activity Producer	-5,867	-	-	-60	-	-	-	-	-8
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	648	-	-712	-	-712	-	-	-
8.4 Petroleum Refineries	-	-	-	-	-	-	-	-	-
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	22	0	-	-619	6	-29	-813	-	120
11 Total Final Energy Consumption	0	648	-	6,322	362	-	3,161	48	2,365
12 Industry Sector	0	23	-	2	-	-	-	-	-
13 Transport Sector	-	-	-	5,681	362	-	3,161	-	1,909
14 Other Sector	-	625	-	639	-	-	-	48	457
14.1 Residential & Commercial	-	625	-	-	-	-	-	-	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	639	-	-	-	48	457
15 Non-energy	-	-	-	-	-	-	-	-	-

Note: The final energy consumption of fuel oil breakdown for each sector were estimated by CA.

Energy Balance Table of Hong Kong, China in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	-	-	-	-	-	-	-
2 Import	6,409	-	-	13,461	369	600	3,184	-	5,199
3 Export	-9	-	-	-1,107	-31	-	-99	-	-130
4 International Marine Bunkers	-	-	-	-5,140	-	-	-	-	-2,281
5 Stock Changes	-	-	-	105	2	-	-31	-0	60
6 Total Primary Energy Supply	6,401	-	-	7,319	340	600	3,054	-0	2,849
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-6,423	-	-	-716	-	-669	-	-	-7
8.1 Main Activity Producer	-6,423	-	-	-47	-	-	-	-	-7
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-669	-	-669	-	-	-
8.4 Petroleum Refineries	-	-	-	-	-	-	-	-	-
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	28	-	-	37	5	69	-4	51	-32
11 Total Final Energy Consumption	5	-	-	6,639	345	-	3,051	51	2,810
12 Industry Sector	-	-	-	816	-	-	-	8	804
13 Transport Sector	-	-	-	5,626	345	-	3,051	-	2,005
14 Other Sector	-	-	-	198	-	-	-	43	-
14.1 Residential & Commercial	-	-	-	198	-	-	-	43	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	-	-	-	-	-	-

Energy Balance Table of Hong Kong, China in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	-	-	-	-	95	-	-	95		
5,651	365	-	-	-	2,048	-	-	-	-	788	-	26,672		
-1,065	-2	-	-	-	-	-	-	-	-	-265	-	-1,680		
-4,609	-	-	-	-	-	-	-	-	-	-	-	-8,466		
-	-	-	-	-	-	-	-	-	-	-	-	-397		
-23	363	-	-	-	2,048	-	-	-	95	523	-	16,224		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-51	-	-	-	-	-2,048	-	-	-	-47	3,193	-	-4,893		
-51	-	-	-	-	-2,048	-	-	-	-	3,193	-	-4,782		
-	-	-	-	-	-	-	-	-	-47	-	-	-47		
-	-	-	-	-	-	-	-	-	-	-	-	-64		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-342	-	-342		
77	20	-	-	-	-	-	-	-	-47	-0	-	-644		
2	384	-	-	-	-	-	-	-	-	3,373	-	10,344		
2	-	-	-	-	-	-	-	-	-	369	-	394		
-	250	-	-	-	-	-	-	-	-	119	-	5,800		
-	134	-	-	-	-	-	-	-	-	2,886	-	4,150		
-	-	-	-	-	-	-	-	-	-	2,886	-	3,511		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	134	-	-	-	-	-	-	-	-	-	-	639		
-	-	-	-	-	-	-	-	-	-	-	-	-		

Energy Balance Table of Hong Kong, China in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	-	-	-	-	-	-	-	-		
3,767	341	-	-	-	1,237	-	-	-	-	894	-	22,001		
-846	-2	-	-	-	-	-	-	-	-	-259	-	-1,374		
-2,860	-	-	-	-	-	-	-	-	-	-	-	-5,140		
74	-0	-	-	-	-	-	-	-	-	-	-	105		
137	339	-	-	-	1,237	-	-	-	-	635	-	15,592		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-41	-	-	-	-	-657	-	-	-	-	3,053	-	-4,743		
-41	-	-	-	-	-1,237	-	-	-	-	3,053	-	-4,654		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	580	-	-	-	-	-	-	-89		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-382	-	-382		
-93	40	-	-	-	0	-	-	-	-	-0	-	65		
4	380	-	-	-	580	-	-	-	-	3,306	-	10,532		
4	-	-	-	-	22	-	-	-	-	355	-	1,192		
-	225	-	-	-	-	-	-	-	-	-	-	5,626		
-	155	-	-	-	559	-	-	-	-	2,952	-	3,708		
-	155	-	-	-	559	-	-	-	-	2,943	-	3,699		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	9	-	9		
-	-	-	-	-	-	-	-	-	-	-	-	-		

Major Energy Indicators of Hong Kong, China

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	5,293	7,011	7,948	8,501	9,549	10,053	10,643	11,409	12,694
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	6,195	8,021	9,855	10,394	11,602	13,836	12,918	13,614	16,546
Export	-199	-294	-855	-693	-1,113	-2,337	-2,123	-2,701	-3,530
Final Energy Consumption	3,464	4,330	4,969	5,261	6,079	6,338	6,689	7,044	8,023
Industry	1,040	1,335	1,496	1,633	1,862	1,827	1,516	1,370	1,720
Transport	1,512	1,658	2,012	2,013	2,476	2,634	3,136	3,494	3,980
Residential & Commercial	892	1,321	1,446	1,600	1,729	1,864	2,025	2,167	2,312
Agriculture	-	-	-	-	-	-	-	-	-
Coal, Coal Products									
Primary Energy Supply	20	3,232	3,941	4,794	5,256	5,596	6,008	6,516	6,947
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	21	3,324	3,845	4,812	5,563	5,961	5,362	5,783	6,131
Export	-1	-1	-1	-1	-1	-2	-1	-1	-2
Transformation Sector	-	-3,216	-3,926	-4,779	-5,244	-5,583	-5,996	-6,504	-6,936
Power Generation	-	-3,216	-3,926	-4,779	-5,244	-5,583	-5,996	-6,504	-6,936
Final Energy Consumption	20	16	16	15	12	13	12	12	11
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	-	-	-	-	-	-	-	-	-
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-
Petroleum Products									
Primary Energy Supply	5,299	3,869	4,111	3,824	4,417	4,610	4,790	5,156	6,173
Import	6,174	4,697	6,010	5,582	6,038	7,876	7,556	7,831	10,415
Export	-172	-203	-750	-575	-988	-2,183	-1,967	-2,437	-3,102
Transformation Sector	-2,871	-1,097	-873	-495	-424	-509	-489	-670	-806
Power Generation	-2,789	-908	-638	-243	-120	-179	-126	-278	-366
Petroleum Refineries	-	-	-	-	-	-	-	-	-
Final Energy Consumption	2,430	2,773	3,240	3,332	3,997	4,106	4,304	4,506	5,371
Industry	674	880	978	1,052	1,259	1,214	908	757	1,124
Transport	1,512	1,658	2,012	2,013	2,476	2,634	3,136	3,494	3,980
Residential & Commercial	243	235	251	267	263	258	260	255	267
Agriculture	-	-	-	-	-	-	-	-	-
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	-	-	-
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	76	172	194	228	263	294	324	349	391
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	76	172	194	228	263	294	324	349	391
Industry	5	6	7	9	9	11	13	15	18
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	71	166	187	219	254	283	311	334	374
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	1,088	1,654	1,841	2,042	2,193	2,353	2,488	2,735	3,002
Thermal	1,088	1,654	1,841	2,042	2,193	2,353	2,488	2,735	3,002
Hydro	-	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	939	1,370	1,519	1,687	1,806	1,925	2,049	2,177	2,249
Industry	361	450	511	573	594	601	596	598	578
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	578	920	1,008	1,114	1,212	1,323	1,454	1,579	1,671
Agriculture	-	-	-	-	-	-	-	-	-

Major Energy Indicators of Hong Kong, China (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
13,280	13,035	13,250	13,272	13,170	15,472	16,299	15,094	15,256	15,323	15,592	16,224
-	-	-	-	-	-	-	-	-	-	-	95
18,611	19,197	22,159	23,102	24,839	25,905	23,686	19,786	20,568	21,233	22,001	26,672
-5,019	-5,160	-7,837	-8,493	-9,803	-8,168	-3,373	-1,557	-1,262	-1,247	-1,374	-1,680
8,437	9,236	9,275	9,301	9,564	11,497	12,664	11,204	10,904	10,805	10,532	10,344
1,468	1,516	1,373	1,265	1,245	1,776	2,179	1,714	1,535	1,235	1,192	394
4,493	5,058	5,132	5,097	5,309	6,497	7,256	6,088	5,889	5,936	5,626	5,800
2,456	2,645	2,754	2,757	2,995	3,211	3,216	3,389	3,467	3,621	3,699	3,511
-	-	-	-	-	-	-	-	-	-	-	-
7,171	5,553	5,751	4,485	3,662	4,240	3,550	4,125	4,556	5,069	6,401	5,845
-	-	-	-	-	-	-	-	-	-	-	-
7,099	5,074	5,467	4,066	3,431	4,260	3,836	3,658	4,818	5,229	6,409	6,242
-1	-1	-1	-1	-2	-0	-1	-24	-8	-2	-9	-0
-7,159	-5,543	-5,742	-4,476	-3,655	-4,234	-3,544	-4,121	-4,552	-5,064	-6,423	-5,219
-7,159	-5,543	-5,742	-4,476	-3,655	-4,234	-3,544	-4,121	-4,552	-5,064	-6,423	-5,867
13	10	9	9	7	6	6	4	4	5	5	648
-	-	-	-	-	-	-	-	-	-	-	23
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	625
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
6,496	6,923	6,961	6,773	6,734	8,605	9,750	8,186	7,784	7,642	7,319	7,713
11,512	13,414	16,022	16,994	18,585	18,965	16,797	13,245	12,834	13,205	13,461	17,594
-4,632	-5,008	-7,708	-8,446	-9,753	-8,116	-3,318	-1,431	-1,254	-1,058	-1,107	-1,415
-873	-660	-694	-664	-685	-658	-662	-684	-689	-690	-716	-772
-400	-124	-169	-114	-95	-75	-59	-37	-37	-42	-47	-60
-	-	-	-	-	-	-	-	-	-	-	-
5,628	6,270	6,227	6,077	6,270	7,981	9,135	7,518	7,125	6,953	6,639	6,322
894	984	869	769	772	1,315	1,741	1,269	1,113	829	816	2
4,493	5,058	5,132	5,097	5,309	6,497	7,256	6,088	5,889	5,936	5,626	5,681
241	229	225	45	189	168	139	161	123	188	198	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	16	1,390	2,146	2,013	2,220	2,007	2,025	1,924	1,237	2,048
-	-	-	-	-	-	-	-	-	-	-	-
-	-	22	1,374	2,146	2,013	2,220	2,007	2,025	1,924	1,237	2,048
-	-	-	-	-	-	-	-	-	-	-	-
413	446	456	-896	-1,632	-1,498	-1,689	-1,447	-1,454	-1,351	-657	-2,048
-	-	-16	-1,390	-2,146	-2,013	-2,220	-2,007	-2,025	-1,924	-1,237	-2,048
413	446	472	494	514	515	531	560	571	573	580	-
19	20	21	20	20	19	20	21	22	21	22	-
-	-	-	-	-	-	-	-	-	-	-	-
394	426	451	474	494	496	511	539	549	551	559	-
-	-	-	-	-	-	-	-	-	-	-	-
3,129	2,299	2,400	2,445	2,489	2,701	2,536	2,694	2,788	2,950	3,053	3,193
3,129	2,299	2,400	2,445	2,489	2,701	2,536	2,694	2,788	2,950	3,053	3,193
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
2,384	2,509	2,567	2,720	2,772	2,996	2,992	3,121	3,204	3,275	3,306	3,373
555	512	483	476	453	442	419	424	400	385	355	369
-	-	-	-	-	-	-	-	-	-	-	119
1,822	1,990	2,077	2,237	2,312	2,547	2,566	2,689	2,795	2,881	2,943	2,886
-	-	-	-	-	-	-	-	-	-	-	-

Major Economic Indicators of Hong Kong, China

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	5.06	5.46	5.52	5.59	5.63	5.69	5.70	5.75
Gross Domestic Product *4								
Real Term (Billions of 2000 Price and 2000 USD)	57.16	75.05	83.38	94.18	101.69	104.29	106.24	112.19
Real Term (Billions of 2000 Price and 2000 PPP)	59.44	78.04	86.70	319.48	105.73	108.44	110.47	116.66
Nominal (Billions of Current USD)	28.58	35.03	40.24	49.54	58.58	67.58	75.44	87.15
GDP per Capita *4								
Real Term (2000 Price and 2000 USD)	11,290	13,756	15,092	16,847	18,069	18,341	18,624	19,505
Real Term (2000 Price and 2000 PPP)	11,740	14,304	15,693	17,517	18,788	19,071	19,366	20,281
Nominal (Current USD)	5,644	6,420	7,284	8,861	10,409	11,884	13,224	15,151
Nominal GDP & its Components (Billions of Current HKD) *1								
Gross Domestic Product	142.20	272.89	314.00	386.33	457.25	527.08	587.62	677.25
Household Final Consumption Expenditure, etc.	84.85	167.86	190.18	221.37	258.71	292.97	337.81	401.41
General Government Final Consumption Expenditure	8.71	19.75	22.84	25.67	29.94	36.16	43.13	51.29
Gross Fixed Capital Formation	46.23	58.07	68.60	92.73	117.44	138.10	156.16	180.81
Stock Change	3.74	1.47	6.18	9.75	14.13	3.46	5.73	4.10
Exports of Goods and Services	126.73	294.89	346.17	467.01	598.56	691.20	774.20	917.57
Imports of Goods and Services	128.06	269.15	319.97	430.18	561.53	634.81	729.40	877.93
Real GDP & its Components (Billions of 2000 HKD) *1								
Gross Domestic Product	445.38	584.76	649.62	733.78	792.25	812.54	827.74	874.09
Household Final Consumption Expenditure, etc.	270.57	362.82	391.84	431.27	467.10	483.09	494.98	542.01
General Government Final Consumption Expenditure	43.95	62.45	66.35	68.94	71.52	75.24	84.61	91.13
Gross Fixed Capital Formation	138.87	144.67	153.77	175.61	187.06	193.52	205.57	224.90
Stock Change	5.77	-0.07	6.91	10.19	13.94	3.29	-6.33	-14.38
Exports of Goods and Services	222.18	357.65	412.29	532.54	656.90	715.73	793.06	907.04
Imports of Goods and Services	221.58	330.62	375.95	485.42	607.39	658.93	744.15	876.59
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Industry	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Services, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Manufacturing Production (2000=100) *2	N.A.	84.4	97.8	113.4	120.3	120.7	119.8	120.5
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	20.323	30.077	36.081	48.712	63.493	73.336	82.390	98.659
Imports, c.i.f.	22.994	31.195	35.942	50.691	70.325	77.662	84.725	103.883
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Current Account	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Overall Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Foreign Exchange Rate (HKD/USD) *1	4.9761	7.7908	7.8033	7.7983	7.8060	7.7999	7.7898	7.7712
Purchasing Power Parity (HKD/International Dollar) *1	4.3469	4.9162	4.9807	5.2785	5.5939	6.0498	6.3581	6.6760
Price Indices								
GDP Deflator (2000=100) *4	31.9	46.7	48.3	52.6	57.7	64.9	71.0	77.5
Producer Price Index (2000=100) *2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	93.2	96.4
Consumer Price Index (2000=100) *2	N.A.	41.4	42.9	45.3	48.9	53.9	59.4	66.1
Growth Rate (%) *4								
Real GDP	10.37	0.19	11.09	12.96	7.97	2.56	1.87	5.60
Population	2.71	1.08	1.25	1.19	0.66	1.04	0.32	0.83
Price								
Producer Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3.4
Consumer Price Index	N.A.	3.5	3.5	5.7	7.8	10.2	10.3	11.2

Source *1: "World Development Indicators", World Bank
 *2: "International Financial Statistics", International Monetary Fund
 *3: Census & Statistics Department, Hong Kong Government.
 *4: Estimation from *1, *2 and *3 by the Coordinating Agency

Note : N.A. shows "not available"
 : HKD shows Hong Kong Dollar, USD shows United States Dollar

Major Economic Indicators of Hong Kong, China (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
5.80	5.90	6.04	6.16	6.44	6.49	6.54	6.61	6.67	6.72	6.79	6.80	6.88
119.60	127.13	134.12	139.35	145.34	152.76	145.12	150.05	165.36	166.12	169.35	174.67	188.90
124.36	132.19	139.46	144.90	151.13	158.84	150.90	156.03	171.94	172.74	176.09	181.63	196.42
102.23	118.00	133.25	141.71	156.57	173.67	165.24	160.64	165.36	162.83	160.02	155.12	163.00
20,618	21,544	22,223	22,636	22,585	23,540	22,177	22,713	24,810	24,703	24,951	25,676	27,446
21,439	22,401	23,107	23,538	23,484	24,477	23,060	23,617	25,798	25,686	25,945	26,698	28,539
17,624	19,997	22,077	23,020	24,329	26,762	25,252	24,315	24,810	24,213	23,577	22,802	23,684
791.32	912.81	1,029.77	1,096.26	1,210.93	1,344.55	1,279.85	1,246.13	1,288.34	1,269.90	1,247.96	1,207.90	1,269.48
467.14	534.33	616.97	683.36	748.20	825.13	787.04	754.45	760.17	765.11	728.72	698.89	745.26
63.79	72.27	83.13	93.61	103.53	112.74	116.54	119.98	120.15	128.85	131.28	130.14	127.21
217.64	249.44	305.76	334.36	378.49	451.89	388.73	325.33	347.38	333.04	286.02	261.37	278.95
8.19	2.30	21.26	45.66	9.76	12.31	-15.65	-10.61	14.40	-4.06	5.66	9.11	5.55
1,101.35	1,245.93	1,392.25	1,584.71	1,670.10	1,728.71	1,605.07	1,614.53	1,874.50	1,788.64	1,897.48	2,104.26	2,444.30
1,066.78	1,191.46	1,389.61	1,645.44	1,699.15	1,786.24	1,601.88	1,557.55	1,828.25	1,741.68	1,801.20	1,995.87	2,331.77
931.78	990.49	1,044.96	1,085.72	1,132.40	1,190.16	1,130.65	1,169.09	1,288.34	1,294.30	1,319.39	1,360.91	1,471.77
589.70	636.29	678.92	689.11	710.47	759.49	708.60	717.82	760.17	775.06	766.69	758.49	810.78
97.60	99.64	103.43	106.74	110.80	113.46	114.25	117.79	120.15	127.42	130.59	133.04	133.94
245.81	254.66	293.62	324.16	359.49	404.79	375.24	312.95	347.38	356.57	340.35	343.42	357.46
-14.84	-20.80	-8.34	13.94	-23.38	-25.80	-50.56	-35.27	14.40	-4.89	6.88	10.35	5.13
1,069.96	1,202.65	1,318.56	1,458.93	1,548.55	1,620.62	1,559.48	1,624.32	1,874.50	1,840.86	2,010.09	2,273.81	2,620.91
1,056.45	1,181.96	1,341.23	1,507.16	1,573.52	1,682.40	1,576.38	1,568.52	1,828.25	1,800.71	1,935.22	2,158.19	2,456.45
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.1	0.1	0.1	0.1	0.1
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	13.6	13.0	12.3	11.4	10.3
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	81.7	82.5	83.3	84.2	85.1
123.0	122.2	121.9	123.1	118.5	117.6	107.4	100.5	100.0	95.6	86.3	78.3	80.6
119,586	135,385	151,465	173,871	180,914	188,195	174,864	174,403	202,683	191,066	201,928	228,654	265,670
127,340	141,308	165,878	196,072	201,284	213,297	186,759	180,711	214,042	202,008	207,969	233,249	272,893
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	-7.833	-3.159	-8.193	-8.331	-5.053	-5.779	-9.312
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.507	10.248	6.993	9.786	12.412	16.470	16.357
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	-6.789	10.028	10.044	4.684	-2.377	0.994	3.286
7,7406	7,7356	7,7284	7,7358	7,7343	7,7421	7,7453	7,7575	7,7912	7,7987	7,7989	7,7867	7,7880
7,1365	7,7979	8,1437	8,2380	8,4019	8,7971	8,8447	8,2517	7,4928	7,2873	6,7900	6,3562	6,0256
84.9	92.2	98.5	101.0	106.9	113.0	113.2	106.6	100.0	98.1	94.6	88.8	86.3
98.2	98.8	100.9	103.7	103.6	103.3	101.4	99.8	100.0	98.4	95.7	95.4	97.6
72.4	78.8	85.7	93.5	99.4	105.2	108.2	103.9	100.0	98.4	95.4	92.9	92.5
6.60	6.30	5.50	3.90	4.30	5.10	-5.00	3.40	10.20	0.46	1.94	3.15	8.15
0.84	1.73	2.28	2.00	4.54	0.84	0.84	0.96	0.89	0.90	0.92	0.24	1.17
1.8	0.7	2.1	2.7	-0.1	-0.3	-1.8	-1.6	0.2	-1.6	-2.7	-0.3	2.3
9.6	8.8	8.8	9.0	6.4	5.8	2.9	-4.0	-3.7	-1.6	-3.0	-2.6	-0.4

Original Table (Quarterly) of Hong Kong, China in 2005

Coal		Unit: 1,000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	NA	740	0	NA
	FEB.	NA	611	0	NA
	MAR.	NA	874	0	NA
	1st quarter	NA	2,225	0	NA
	APR.				
	MAY.				
	JUN.				
	2nd quarter				
	JUL.				
	AUG.				
	SEP.				
	3rd quarter				
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Oil		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	NA	NA	NA	NA	1,759	99	NA
	FEB.	NA	NA	NA	NA	1,341	80	NA
	MAR.	NA	NA	NA	NA	1,630	123	NA
	1st quarter	NA	NA	NA	NA	4,730	302	NA
	APR.							
	MAY.							
	JUN.							
	2nd quarter							
	JUL.							
	AUG.							
	SEP.							
	3rd quarter							
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Original Table (Quarterly) of Hong Kong, China in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000ton			
	Production	Imports	Exports	Stock Changes	
2005	JAN.	NA	130	-	NA
	FEB.	NA	104	-	NA
	MAR.	NA	125	-	NA
	1st quarter	NA	359	-	NA
	APR.				
	MAY.				
	JUN.				
	2nd quarter				
	JUL.				
	AUG.				
	SEP.				
	3rd quarter				
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Electricity		Unit: GWh						
		Gross Generation					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	-	-	NA	NA	NA	-	-
	FEB.	-	-	NA	NA	NA	-	-
	MAR.	-	-	NA	NA	NA	-	-
	1st quarter	8,042	8,042	NA	NA	NA	2,319	1,310
	APR.							
	MAY.							
	JUN.							
	2nd quarter							
	JUL.							
	AUG.							
	SEP.							
	3rd quarter							
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.7 Indonesia

Energy Balance Table of Indonesia in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	71,960	-	53,388	-	-	-	-	-	-
2 Import	-	-	19,791	21,321	600	-	647	2,182	10,671
3 Export	-50,977	-	-23,841	-12,090	-	-1,453	-	-	-
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	20,983	-	49,339	9,231	600	-1,453	647	2,182	10,671
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-12,451	8	-48,787	39,474	9,301	2,314	1,400	7,137	8,991
8.1 Main Activity Producer	-8,380	-	-	-7,718	-	-	-	-	-5,480
8.2 Autoproducers	-4,061	-	-	-496	-	-	-	-	-496
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-48,787	47,688	9,301	2,314	1,400	7,137	14,966
8.5 Coal Transformation	-10	8	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-992	-	-992	-	-	-
10. Discrepancy	-1,355	0	-552	426	2,862	131	-133	24	86
11 Total Final Energy Consumption	7,177	8	-	48,138	12,762	-	1,914	9,343	19,747
12 Industry Sector	7,164	-	-	12,019	-	-	-	419	8,497
13 Transport Sector	-	-	-	22,605	12,299	-	1,914	2	8,182
14 Other Sector	13	8	-	13,514	463	-	-	8,922	3,069
14.1 Residential & Commercial	13	8	-	9,716	-	-	-	8,554	424
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	3,798	463	-	-	368	2,645
15 Non-energy	-	-	-	-	-	-	-	-	-

Energy Balance Table of Indonesia in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	62,138	-	53,003	-	-	-	-	-	-
2 Import	-	-	17,363	6,721	475	-	96	842	3,774
3 Export	-46,586	-	-25,988	-4,978	-	-785	-	-	-
4 International Marine Bunkers	-	-	-	-182	-	-	-	-	-130
5 Stock Changes	-	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	15,551	-	44,378	1,561	475	-785	96	842	3,644
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-12,517	9	-46,396	38,065	8,530	1,089	1,278	6,988	8,177
8.1 Main Activity Producer	-12,503	-	-	-6,314	-	-	-	-	-4,187
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	1,346	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-46,396	43,033	8,530	1,089	1,278	6,988	12,365
8.5 Coal Transformation	-14	9	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	2,146	-1	2,018	-191	1,817	-0	-153	1,230	2,570
11 Total Final Energy Consumption	5,180	9	-	39,434	10,821	304	1,221	9,060	14,391
12 Industry Sector	3,049	-	-	8,208	-	-	-	18	5,721
13 Transport Sector	-	-	-	20,952	10,821	-	1,221	-	8,670
14 Other Sector	2,131	9	-	9,970	-	-	-	9,042	-
14.1 Residential & Commercial	2,131	9	-	9,970	-	-	-	9,042	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	304	-	304	-	-	-

Energy Balance Table of Indonesia in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	69,693	832	-	5,723	38,199	-	-	239,795	
1,696	61	-	-	5,465	-	-	-	-	-	-	-	41,113	
-702	-1,019	-	-	-8,916	-26,945	-	-	-	-	-	-	-113,853	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
994	-957	-	-	-3,452	42,748	832	-	5,723	38,199	-	-	167,054	
-	-	-	-	-	-	-	-	-	-	-	-	-	
2,165	1,985	-	-	6,182	-10,994	-832	-	-5,723	-	10,334	-	-28,972	
-2,238	-	-	-	-	-4,058	-769	-	-2,706	-	8,272	-	-15,359	
-	-	-	-	-	-369	-63	-	-3,017	-	2,061	-	-5,945	
-	-	-	-	-	-6,567	-	-	-	-	-	-	-6,567	
4,403	1,985	-	-	6,182	-	-	-	-	-	-	-	-1,099	
-	-	-	-	-	-	-	-	-	-	-	-	-2	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-17,460	-	-	-	-	-1,333	-	-19,785	
156	30	-	-	-2,730	389	-	-	-0	-7	116	-	-982	
3,315	1,058	-	-	-	14,682	-	-	-	38,192	9,117	-	117,315	
2,783	320	-	-	-	8,793	-	-	-	1,939	3,468	-	33,383	
209	-	-	-	-	12	-	-	-	-	5	-	22,623	
322	738	-	-	-	42	-	-	-	36,253	5,645	-	55,475	
-	738	-	-	-	42	-	-	-	36,253	5,135	-	51,167	
-	-	-	-	-	-	-	-	-	-	-	-	-	
322	-	-	-	-	-	-	-	-	-	510	-	4,307	
-	-	-	-	-	5,835	-	-	-	-	-	-	5,835	

Energy Balance Table of Indonesia in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	63,621	783	-	5,413	-	-	-	184,957	
431	-	-	-	1,104	-	-	-	-	-	-	-	24,084	
-285	-1,158	-	-	-2,750	-27,954	-	-	-	-	-	-	-105,506	
-52	-	-	-	-	-	-	-	-	-	-	-	-182	
-	-	-	-	-	-	-	-	-	-	-	-	-	
94	-1,158	-	-	-1,646	35,667	783	-	5,413	-	-	-	103,353	
-	-	-	-	-	-	-	-	-	-	-	-	-	
2,692	2,203	-	-	7,108	-12,134	-783	-	-5,413	-	12,237	-	-26,932	
-2,126	-	-	-	-	-4,205	-783	-	-5,413	-	12,237	-	-16,981	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	1,346	-	-	-	-7,290	-	-	-	-	-	-	-5,944	
4,818	858	-	-	7,108	-639	-	-	-	-	-	-	-4,003	
-	-	-	-	-	-	-	-	-	-	-	-	-4	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-16,038	-	-	-	-	-1,931	-	-17,969	
-170	-23	-	-	-5,461	3,141	-	-	-	-	175	-	7,288	
2,615	1,022	-	-	-	10,637	-	-	-	-	10,481	-	65,741	
2,375	94	-	-	-	2,421	-	-	-	-	5,610	-	19,289	
240	-	-	-	-	13	-	-	-	-	-	-	20,965	
-	928	-	-	-	102	-	-	-	-	4,871	-	17,083	
-	928	-	-	-	102	-	-	-	-	4,227	-	16,439	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	644	-	644	
-	-	-	-	-	4,801	-	-	-	-	-	-	5,105	

Major Energy Indicators of Indonesia

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	31,067	36,101	36,434	40,626	39,431	46,451	53,252	58,217	62,157
Indigenous Production	92,083	95,715	100,568	102,530	103,638	112,075	119,434	133,444	137,015
Import	7,367	5,097	5,259	6,083	5,208	7,110	9,999	9,915	13,427
Export	-68,076	-64,646	-69,373	-67,926	-69,331	-72,582	-75,853	-85,087	-88,247
Final Energy Consumption	21,078	24,316	25,663	26,564	28,215	31,290	33,956	36,218	38,767
Industry	6,756	8,285	8,748	8,969	9,626	10,941	11,767	12,766	13,997
Transport	6,236	7,086	7,529	8,290	8,982	9,917	11,205	12,116	12,910
Residential & Commercial	7,138	6,057	6,076	6,129	6,363	6,671	7,133	7,462	7,996
Agriculture	-	-	-	-	-	-	-	-	-
Coal, Coal Products									
Primary Energy Supply	166	889	1,601	1,635	1,957	4,026	4,056	4,564	3,826
Indigenous Production	200	873	1,015	1,063	2,006	4,779	5,785	7,828	12,612
Import	26	398	849	731	707	504	663	552	590
Export	-59	-383	-264	-159	-756	-1,256	-2,392	-3,816	-9,376
Transformation Sector	-	-349	-745	-984	-1,292	-1,857	-2,252	-2,531	-2,592
Power Generation	-	-349	-745	-984	-1,292	-1,857	-2,252	-2,531	-2,592
Final Energy Consumption	75	319	653	867	973	1,304	1,149	1,562	1,594
Industry	61	282	631	832	959	1,209	1,110	1,511	1,566
Transport	14	1	0	0	0	0	0	0	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	30,739	30,196	28,595	33,291	31,176	33,298	38,632	39,158	42,246
Indigenous Production	76,731	64,984	68,312	67,952	65,145	68,140	70,733	77,067	73,000
Import	4,387	4,313	3,694	4,026	2,661	3,739	6,085	5,928	8,099
Export	-50,379	-39,102	-43,411	-38,687	-36,630	-38,580	-38,186	-43,838	-38,852
Transformation Sector	-25,704	-26,632	-28,991	-31,148	-32,735	-33,007	-36,471	-37,915	-40,082
Petroleum Refineries	-25,704	-26,632	-28,991	-31,148	-32,735	-33,007	-36,471	-37,915	-40,082
Petroleum Products									
Primary Energy Supply	-4,990	-7,173	-7,238	-8,185	-8,527	-8,155	-8,202	-7,719	-7,683
Import	2,955	385	716	1,327	1,839	2,868	3,251	3,435	4,738
Export	-7,637	-7,494	-7,934	-9,451	-10,283	-10,871	-11,125	-11,099	-12,383
Transformation Sector	24,640	25,001	27,883	29,763	31,701	33,643	36,586	36,904	38,553
Power Generation	-1,690	-2,929	-2,419	-2,947	-3,021	-2,790	-3,764	-4,624	-5,147
Petroleum Refineries	25,865	27,941	30,312	32,720	34,185	34,305	38,041	39,192	41,362
Final Energy Consumption	18,052	18,184	18,695	19,124	20,339	22,233	24,681	26,047	28,106
Industry	4,751	4,914	4,817	4,750	4,981	5,574	6,317	6,638	7,492
Transport	6,221	7,084	7,528	8,290	8,982	9,917	11,203	12,110	12,904
Residential & Commercial	6,687	5,629	5,598	5,587	5,748	5,995	6,379	6,598	7,012
Agriculture	-	-	-	-	-	-	-	-	-
Natural Gas									
Primary Energy Supply	4,827	11,307	12,367	12,657	13,095	15,385	16,889	20,337	21,598
Indigenous Production	14,828	28,975	30,132	32,286	34,756	37,260	41,040	46,671	49,234
Import	-	-	-	-	-	-	-	-	-
Export	-10,002	-17,668	-17,764	-19,630	-21,661	-21,875	-24,151	-26,334	-27,636
Transformation Sector	-1,278	-4,622	-4,908	-4,994	-5,216	-6,051	-5,616	-6,387	-7,286
Power Generation	-	-91	-144	-151	-216	-209	-249	-300	-289
Final Energy Consumption	2,326	4,385	4,709	4,821	4,917	5,468	5,504	5,664	5,703
Industry	1,664	2,313	2,414	2,456	2,632	2,897	2,862	2,973	3,037
Transport	-	-	-	-	0	0	1	4	4
Residential & Commercial	107	7	6	9	6	7	5	5	5
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	855	1,810	2,028	2,221	2,491	2,840	3,245	3,604	4,005
Thermal	529	1,112	1,120	1,413	1,629	1,833	2,310	2,688	2,815
Hydro	325	698	908	808	862	1,007	935	916	1,189
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	624	1,428	1,607	1,752	1,985	2,284	2,624	2,945	3,363
Industry	280	776	887	931	1,053	1,261	1,478	1,644	1,902
Transport	-	-	-	-	-	-	1	1	1
Residential & Commercial	344	421	471	533	609	669	749	859	979
Agriculture	-	-	-	-	-	-	-	-	-

Major Energy Indicators of Indonesia (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
67,615	61,190	82,578	93,537	93,673	88,044	89,922	101,236	94,213	100,416	103,353	167,054
140,898	146,142	168,134	177,079	179,130	179,114	182,300	183,995	168,460	175,363	184,957	239,795
14,554	14,323	15,761	18,507	21,379	15,701	21,529	21,403	25,696	29,310	24,084	41,113
-87,789	-99,234	-100,911	-101,974	-106,566	-106,730	-113,761	-103,804	-99,943	-104,074	-105,506	-113,853
41,102	44,562	49,272	53,475	56,446	56,256	61,002	63,569	68,387	69,641	65,741	117,315
15,109	16,453	19,678	20,934	20,920	19,900	22,415	22,658	25,878	24,357	19,289	39,218
13,652	15,309	16,673	18,609	20,411	19,985	20,136	21,452	21,538	22,085	20,965	22,623
8,219	8,662	9,628	10,429	10,975	11,508	13,102	14,457	13,032	15,741	16,439	51,167
-	-	-	-	-	-	-	-	-	-	-	-
5,625	4,268	6,579	8,565	8,064	8,830	11,056	10,956	14,822	15,873	15,551	20,983
15,443	17,138	23,955	28,820	31,412	35,642	42,158	44,007	50,316	56,206	62,138	71,960
609	574	547	567	540	377	480	272	-	-	-	-
-10,426	-13,444	-17,924	-20,823	-23,888	-27,190	-31,582	-33,323	-35,495	-40,332	-46,586	-50,977
-2,337	-2,778	-3,183	-5,395	-6,465	-6,981	-8,172	-10,052	-10,618	-10,888	-12,507	-12,443
-2,337	-2,777	-3,163	-5,378	-6,439	-6,965	-8,161	-10,048	-10,612	-10,884	-12,503	-12,441
1,653	2,075	1,116	1,117	1,221	1,315	1,874	2,053	4,272	5,020	5,189	7,186
1,629	2,034	1,076	1,058	1,187	1,246	1,772	1,821	3,364	2,948	3,049	7,164
-	-	-	-	-	-	-	-	-	-	-	-
0	1	2	4	5	7	10	17	-	2,073	2,139	21
-	-	-	-	-	-	-	-	-	-	-	-
42,559	38,702	41,784	45,943	42,478	42,825	39,177	49,852	45,656	45,900	44,378	49,339
72,587	73,146	72,904	73,127	72,474	71,293	65,928	68,981	61,956	57,692	53,003	53,388
7,521	8,527	9,107	9,569	8,381	8,901	11,288	10,660	14,293	15,720	17,363	19,791
-37,548	-42,971	-40,227	-36,752	-38,377	-37,368	-38,039	-29,789	-30,593	-27,511	-25,988	-23,841
-39,390	-39,174	-39,246	-45,532	-44,325	-45,278	-45,323	-49,298	-47,567	-47,325	-46,396	-48,787
-39,390	-39,174	-39,246	-45,532	-44,325	-45,278	-45,323	-49,298	-47,567	-47,325	-46,396	-48,787
-4,964	-6,611	-7,875	-5,033	-647	-4,132	-464	1,171	2,832	4,941	1,561	9,231
6,425	5,223	6,107	8,371	12,458	6,424	9,760	10,471	11,403	13,590	6,721	21,321
-11,340	-11,791	-13,576	-13,328	-12,834	-10,515	-10,078	-8,942	-8,571	-8,467	-4,978	-12,090
37,015	39,169	41,497	45,911	43,003	44,518	45,245	45,445	44,224	39,795	38,065	39,474
-5,914	-3,401	-2,676	-3,003	-5,183	-3,846	-3,693	-4,501	-4,570	-5,485	-6,314	-8,214
40,502	40,300	41,588	46,092	45,870	46,460	47,112	48,490	47,312	43,934	43,033	47,688
29,613	31,858	33,260	36,022	38,528	38,893	40,531	44,061	43,974	44,999	39,434	48,138
8,163	8,482	8,739	9,138	9,585	9,479	9,568	10,948	10,479	10,653	8,208	12,019
13,642	15,296	16,661	18,597	20,393	19,961	20,113	21,432	21,523	22,072	20,952	22,605
7,118	7,395	7,715	8,201	8,387	8,610	9,969	10,873	9,189	9,631	9,970	9,716
-	-	-	-	-	-	-	-	-	-	-	-
22,236	22,201	38,832	40,683	40,333	35,897	35,523	34,048	24,905	27,483	35,667	42,748
50,710	53,230	68,017	71,754	71,800	67,555	69,584	65,798	50,189	55,246	63,621	69,693
-	-	-	-	-	-	-	-	-	-	-	-
-28,474	-31,028	-29,185	-31,070	-31,467	-31,657	-34,061	-31,750	-25,284	-27,764	-27,954	-26,945
-7,575	-10,892	-18,190	-18,930	-20,484	-18,985	-14,092	-9,590	-10,655	-12,390	-12,134	-10,994
-952	-3,798	-9,515	-9,557	-9,962	-9,554	-9,898	-10,468	-4,604	-4,190	-4,205	-4,427
6,134	6,422	7,831	8,699	8,306	7,837	8,296	8,089	10,345	9,529	10,637	14,682
3,244	3,589	4,951	5,594	4,642	4,168	4,214	4,407	6,564	5,095	2,421	14,628
8	11	13	11	18	23	23	20	15	14	13	12
6	6	7	7	8	8	9	28	10	99	102	42
-	-	-	-	-	-	-	-	-	-	-	-
4,387	4,963	7,889	8,522	9,432	9,281	9,750	10,561	11,180	11,826	12,237	10,334
3,241	3,835	6,754	7,354	8,541	8,121	8,631	9,699	10,264	10,972	11,454	9,502
1,147	1,128	1,136	1,169	892	1,160	1,119	862	916	855	783	832
-	-	-	-	-	-	-	-	-	-	-	-
3,701	4,207	7,065	7,637	8,390	8,212	10,301	9,365	9,795	10,093	10,481	9,117
2,073	2,347	4,913	5,144	5,505	5,007	6,862	5,482	5,471	5,662	5,610	3,468
2	2	-	-	-	-	-	-	-	-	-	5
1,096	1,259	1,905	2,217	2,576	2,883	3,114	3,538	3,834	3,938	4,227	5,135
-	-	-	-	-	-	-	-	-	-	-	-

Major Economic Indicators of Indonesia

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	148.30	163.04	166.02	168.99	171.99	175.06	178.23	181.32
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	58.82	77.35	81.97	86.31	91.80	100.14	109.15	118.90
Real Term (Billions of 2000 Price and 2000 PPP)	222.65	292.79	310.26	319.48	347.46	379.03	413.15	450.03
Nominal (Billions of Current USD)	78.01	87.34	80.06	75.93	88.79	101.46	114.43	128.17
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	397	474	494	511	534	572	612	656
Real Term (2000 Price and 2000 PPP)	1,501	1,796	1,869	1,933	2,020	2,165	2,318	2,482
Nominal (Current USD)	526	536	482	449	516	580	642	707
Nominal GDP & its Components (Billions of Current IDR) *1								
Gross Domestic Product	48,913	96,997	102,683	124,817	149,669	179,582	210,866	249,969
Household Final Consumption Expenditure, etc.	25,594	57,201	63,355	71,989	89,722	96,632	119,802	140,805
General Government Final Consumption Expenditure	5,148	10,893	11,329	11,764	12,756	15,698	18,649	20,785
Gross Fixed Capital Formation	10,550	22,041	26,202	31,418	38,356	47,706	59,758	67,488
Stock Change	1,223	5,077	4,137	6,269	4,815	10,773	4,911	11,387
Exports of Goods and Services	16,718	21,534	20,010	29,874	35,585	43,614	53,409	64,485
Imports of Goods and Services	9,886	19,835	21,036	27,956	31,566	38,443	50,046	60,248
Real GDP & its Components (Billions of 2000 IDR) *1								
Gross Domestic Product	495,380	651,453	690,309	726,896	773,095	843,328	919,241	1,001,309
Household Final Consumption Expenditure, etc.	226,405	400,070	407,009	412,618	381,759	410,237	480,808	519,128
General Government Final Consumption Expenditure	50,448	65,867	67,819	67,702	72,832	80,335	84,219	88,652
Gross Fixed Capital Formation	99,861	125,206	136,727	144,245	160,846	184,840	214,557	242,236
Stock Change	-5,472	-7,196	-7,626	-8,030	-19,517	-19,820	-17,177	-15,250
Exports of Goods and Services	275,262	204,959	236,141	270,667	273,516	291,947	301,744	358,404
Imports of Goods and Services	167,806	215,706	224,703	229,139	186,301	207,856	255,995	296,255
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	25.1	22.4	21.7	21.1	20.8	20.5	19.4	17.8
Industry	37.4	37.1	37.5	37.9	38.1	40.5	41.0	41.4
Services, etc.	36.5	39.5	39.9	40.2	40.4	38.3	39.1	40.4
Manufacturing Production Index (2000=100)	29.1	38.6	41.0	45.9	52.5	58.8	67.6	73.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	21.909	18.590	16.075	17.135	19.465	22.160	25.675	29.142
Imports, c.i.f.	10.834	10.262	10.718	12.891	13.249	16.444	21.837	25.869
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	5.822	2.458	4.674	5.678	6.664	5.352	4.801
Current Account	N.A.	-1.923	-3.911	-2.098	-1.397	-1.108	-2.988	-4.260
Overall Balance	N.A.	0.510	-1.003	0.630	-0.113	0.495	2.251	1.528
Foreign Exchange Rate (IDR/USD) *1	626.99	1,110.58	1,282.56	1,643.85	1,685.70	1,770.06	1,842.81	1,950.32
Purchasing Power Parity (IDR/International Dollar) *1	417.85	482.71	472.51	529.49	581.30	616.84	639.32	610.20
Price Indices								
GDP Deflator (2000=100) *3	9.9	14.9	14.9	17.2	19.4	21.3	22.9	25.0
Wholesale Price Index (2000=100) *2	10.1	16.5	16.9	20.1	21.1	22.9	25.2	26.5
Consumer Price Index (2000=100) *2	12.6	20.1	21.2	23.2	25.1	26.7	28.7	31.5
Growth Rate (%) *3								
Real GDP	8.72	3.48	5.96	5.30	6.36	9.08	9.00	8.93
Population	2.09	1.85	1.83	1.79	1.78	1.78	1.81	1.73
Price								
Wholesale Price Index	26.7	5.0	2.2	19.3	4.9	8.5	10.0	5.2
Consumer Price Index	18.1	4.7	5.8	9.3	8.0	6.4	7.8	9.4

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. shows "not available"
 : IDR shows Rupiah, USD shows United States Dollar
 : PPP shows Purchasing Power Parity

Major Economic Indicators of Indonesia (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
184.32	187.23	190.04	192.75	195.46	198.16	200.87	203.57	206.26	209.01	211.82	214.67	217.59
127.48	136.73	147.04	159.38	171.56	179.63	156.05	157.28	165.02	171.34	178.84	187.56	197.18
482.53	517.53	556.55	603.29	649.39	679.91	590.66	595.34	624.63	648.54	676.92	709.93	746.34
139.12	158.01	176.89	202.13	227.37	215.75	95.45	140.00	165.02	164.15	200.11	238.52	257.64
692	730	774	827	878	906	777	773	800	820	844	874	906
2,618	2,764	2,929	3,130	3,322	3,431	2,941	2,925	3,028	3,103	3,196	3,307	3,430
755	844	931	1,049	1,163	1,089	475	688	800	785	945	1,111	1,184
282,395	329,776	382,220	454,514	532,568	627,695	955,754	1,099,732	1,389,770	1,684,281	1,863,275	2,045,853	2,303,032
157,484	192,959	228,119	279,876	332,094	387,171	647,824	813,183	856,798	1,039,655	1,231,965	1,372,078	1,532,388
24,731	29,757	31,014	35,584	40,299	42,952	54,416	72,631	90,780	113,416	132,219	163,701	187,774
72,774	86,667	105,381	129,217	157,653	177,686	243,043	221,472	275,881	323,875	353,967	386,219	483,441
13,294	10,546	13,327	15,900	5,800	21,615	-82,716	-96,461	21,283	51,194	35,979	-26,172	40,903
78,764	88,231	101,332	119,593	137,533	174,871	506,245	390,560	569,490	642,595	595,514	627,065	711,778
70,481	78,383	96,953	125,657	140,812	176,600	413,058	301,654	423,318	506,426	480,815	470,998	620,184
1,073,609	1,151,489	1,238,312	1,342,285	1,444,873	1,512,780	1,314,202	1,324,599	1,389,770	1,442,985	1,506,124	1,579,559	1,660,579
535,202	598,191	645,014	726,185	796,777	859,089	806,099	843,446	856,798	886,736	920,750	956,593	1,003,809
93,729	93,900	96,065	97,353	99,974	100,035	84,658	85,246	90,780	97,646	110,334	121,404	123,768
250,921	267,481	304,275	346,858	397,202	431,234	288,892	236,327	275,881	293,793	307,585	310,777	359,604
-24,879	-16,270	-22,890	-24,459	-9,061	-5,156	9,854	14,846	21,283	39,347	13,085	-4,708	39,981
407,545	432,437	475,428	512,137	550,855	593,821	660,229	450,243	569,490	573,164	566,188	612,559	664,463
322,001	335,443	403,522	488,016	521,517	598,264	566,615	336,143	423,318	441,012	422,271	433,809	542,041
17.6	16.8	15.7	15.1	14.5	14.0	15.9	16.1	15.6	15.6	15.5	15.4	15.2
45.4	41.7	43.2	44.0	45.2	45.4	45.0	45.5	45.9	45.4	45.4	45.0	44.5
36.9	41.1	40.9	40.8	40.3	40.6	39.1	38.4	38.5	38.9	39.1	39.6	40.3
82.4	91.6	107.7	119.8	125.7	115.9	94.7	96.5	100.0	98.9	91.9	97.3	#N/A
33.967	36.823	40.055	45.417	49.814	56.298	50.370	51.243	65.403	57.361	59.166	64.107	72.330
27.280	28.328	31.983	40.630	42.929	51.304	35.280	33.321	43.595	37.534	38.310	42.243	54.895
7.022	8.231	7.901	6.533	5.948	10.075	18.429	20.643	25.042	22.696	23.513	24.844	21.552
-2.780	-2.106	-2.792	-6.431	-7.663	-4.889	4.097	5.783	7.992	6.901	7.824	8.387	3.108
2.070	0.594	0.784	1.573	4.503	-8.137	-3.437	1.916	3.926	-0.015	4.958	3.647	0.321
2,029.92	2,087.10	2,160.75	2,248.61	2,342.30	2,909.38	10,013.62	7,855.15	8,421.78	10,260.85	9,311.19	8,577.13	8,938.85
635.65	742.74	793.13	850.43	910.87	1,006.00	1,695.10	1,867.59	2,224.96	2,501.54	2,752.88	2,802.26	2,953.67
26.3	28.6	30.9	33.9	36.9	41.5	72.7	83.0	100.0	116.7	123.7	129.5	138.7
27.9	28.9	30.5	33.9	36.6	39.9	80.5	88.9	100.0	114.2	117.3	119.8	130.0
33.8	37.1	40.3	44.1	47.6	50.5	80.0	96.4	100.0	111.5	124.8	133.0	141.3
7.22	7.25	7.54	8.40	7.64	4.70	-13.13	0.79	4.92	3.83	4.38	4.88	5.13
1.66	1.58	1.50	1.42	1.40	1.38	1.36	1.34	1.32	1.33	1.34	1.35	1.36
5.2	3.7	5.4	11.4	7.9	9.0	101.8	10.5	12.5	14.2	2.8	2.1	8.6
7.5	9.7	8.5	9.4	8.0	6.2	58.4	20.5	3.7	11.5	11.9	6.6	6.2

3.8 Japan

Energy Balance Table of Japan in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	684	-	725	-	-	-	-	-	-
2 Import	112,547	2,179	210,520	50,898	2,133	22,697	2,567	1,180	464
3 Export	-	-1,549	-	-4,818	-148	-20	-462	-161	-1,482
4 International Marine Bunkers	-	-	-	-5,755	-	-	-	-	-9
5 Stock Changes	-793	68	-1,246	78	-86	-134	5	-146	163
6 Total Primary Energy Supply	112,438	697	209,999	40,403	1,898	22,543	2,110	873	-865
7 Transfers	-	-	4,892	-	-	-	-	-	-
8 Total Transformation Sector	-95,751	29,406	-214,567	184,184	45,774	15,398	8,588	22,086	33,395
8.1 Main Activity Producer	-46,202	-4,472	-4,749	-10,166	-	-6	-	-7	-158
8.2 Autoproducers	-9,287	-2,954	-	-12,466	-	-1,344	-	-67	-
8.3 Gas Processing	-	-82	-	-1,672	-	-22	-	-	-
8.4 Petroleum Refineries	-	-	-209,817	209,040	45,774	16,771	8,588	22,160	33,553
8.5 Coal Transformation	-40,263	36,914	-	-553	-	-	-	-	-
8.6 Other Transformation	-	-	-1	-	-	-	-	-	-
9. Loss & Own Use	-106	-3,161	-	-12,935	-	-39	-	-95	-68
10. Discrepancy	-1,259	-3,392	-324	25	396	-1,175	529	-110	350
11 Total Final Energy Consumption	15,322	23,551	-	211,677	48,069	36,728	11,227	22,755	32,813
12 Industry Sector	15,322	22,519	-	72,936	115	36,728	-	6,434	4,065
13 Transport Sector	-	-	-	92,336	47,954	-	11,227	-	26,788
14 Other Sector	-	1,031	-	40,773	-	-	-	16,321	1,960
14.1 Residential & Commercial	-	1,031	-	32,350	-	-	-	13,959	146
14.2 Agriculture	-	-	-	5,594	-	-	-	2,241	1,093
14.3 Other	-	-	-	2,828	-	-	-	122	721
15 Non-energy	-	-	-	5,634	-	-	-	-	-

Energy Balance Table of Japan in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	683	-	712	-	-	-	-	-	-
2 Import	103,805	-	215,047	52,636	1,336	23,053	2,755	2,590	655
3 Export	-	-1,881	-	-15,482	-226	-65	-6,942	-168	-830
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	42	-	-741	-1,337	-53	383	-2	-830	-229
6 Total Primary Energy Supply	104,530	-1,881	215,018	35,817	1,056	23,371	-4,190	1,592	-404
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-87,151	27,083	-214,562	184,601	45,902	16,224	7,945	23,558	33,242
8.1 Main Activity Producer	-42,254	-4,454	-5,990	-13,357	-	-2	-	-	-157
8.2 Autoproducers	-4,872	-2,521	-	-13,285	-	-161	-	-8	-
8.3 Gas Processing	-	-783	-	-1,852	-	-42	-	-	-
8.4 Petroleum Refineries	-	-	-208,572	213,654	45,902	16,429	7,945	23,566	33,398
8.5 Coal Transformation	-40,025	34,840	-	-560	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-88	-2,806	-1	-12,696	-2	-48	-	-167	-65
10. Discrepancy	-1,708	-466	-455	-1,390	218	-2,170	17	-1,035	209
11 Total Final Energy Consumption	15,582	21,930	-	206,332	47,174	37,378	3,771	23,948	32,981
12 Industry Sector	15,582	20,926	-	72,909	137	37,378	-	6,708	4,183
13 Transport Sector	-	-	-	84,472	47,037	-	3,771	-	26,709
14 Other Sector	-	1,004	-	43,055	-	-	-	17,241	2,090
14.1 Residential & Commercial	-	1,004	-	34,030	-	-	-	14,660	144
14.2 Agriculture	-	-	-	9,025	-	-	-	2,580	1,946
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	5,896	-	-	-	-	-

Energy Balance Table of Japan in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	2,534	8,871	74,497	3,806	5,923	-	-	97,040		
2,524	15,857	-	-	3,476	66,757	-	-	-	-	-	-	442,900		
-1,739	-1	-	-	-804	-	-	-	-	-	-	-	-6,367		
-5,736	-	-	-	-10	-	-	-	-	-	-	-	-5,755		
216	49	-	-	11	-2	-	-	-	-	-	-	-1,895		
-4,735	15,905	-	-	2,673	69,289	8,871	74,497	3,806	5,923	-	-	525,923		
-	-	-	-	-	-	-	-	-	-	-	-	4,892		
39,887	2,972	8,071	-	8,012	-45,461	-8,871	-74,497	-3,043	-6,430	96,879	643	-137,507		
-9,698	-297	-	-	-	-45,139	-8,186	-74,497	-2,737	-	80,858	643	-114,646		
-9,894	-80	-941	-	-139	-2,068	-685	-	-305	-6,423	16,021	-	-18,167		
-	-1,650	-	-	-	1,746	-	-	-	-	-	-	-8		
59,479	4,999	9,013	-	8,703	-	-	-	-	-	-	-	-777		
-	-	-	-	-553	-	-	-	-	-	-	-	-3,901		
-	-	-	-	-	-	-	-	-	-7	-	-	-8		
-2,295	-693	-8,063	-	-1,684	-1,546	-	-	-	-	-11,087	-	-28,835		
-268	451	-9	-	-140	1,154	0	-	-0	2,752	649	-63	-459		
32,590	18,636	-	-	8,861	23,436	-	-	763	2,245	86,441	580	364,014		
14,035	8,332	-	-	3,227	8,771	-	-	-	2,211	36,132	-	157,890		
5,055	1,312	-	-	-	-	-	-	-	-	1,920	-	94,255		
13,500	8,991	-	-	-	14,665	-	-	763	34	48,389	580	106,235		
9,254	8,991	-	-	-	14,665	-	-	667	34	48,068	580	97,396		
2,261	-	-	-	-	-	-	-	96	-	321	-	6,011		
1,985	-	-	-	-	-	-	-	-	-	-	-	2,828		
-	-	-	-	5,634	-	-	-	-	-	-	-	5,634		

Energy Balance Table of Japan in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	2,500	8,373	60,048	3,807	2,555	-	-	78,679		
3,042	16,048	-	-	3,158	69,284	-	-	-	-	-	-	440,772		
-6,514	-7	-	-	-730	-	-	-	-	-	-	-	-17,363		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-517	-55	-	-	-34	-2	-	-	-	-	-	-	-2,039		
-3,989	15,986	-	-	2,394	71,782	8,373	60,048	3,807	2,555	-	-	500,049		
-	-	-	-	-	-	-	-	-	-	-	-	-		
39,494	2,836	8,252	-	7,148	-23,329	-8,331	-60,044	-2,940	-1,752	91,287	613	-94,527		
-12,636	-562	-	-	-	-46,870	-7,872	-59,958	-2,778	-200	76,920	-	-106,813		
-11,683	-8	-847	-	-579	-341	-459	-86	-162	-1,552	14,367	613	-8,298		
-	-1,810	-	-	-	23,883	-	-	-	-	-	-	21,247		
63,813	5,216	9,099	-	8,286	-	-	-	-	-	-	-	5,082		
-	-	-	-	-560	-	-	-	-	-	-	-	-5,745		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-2,410	-647	-8,217	-	-1,140	-1,142	-	-	-	-	-8,980	-	-25,712		
861	657	-35	-	-112	-23,419	-42	-4	0	1,542	1,250	-63	-24,755		
33,957	18,832	-	-	8,290	23,893	-	-	867	2,344	83,557	550	355,055		
13,815	8,294	-	-	2,394	9,128	-	-	-	2,308	35,356	-	156,209		
5,579	1,376	-	-	-	-	-	-	-	-	1,875	-	86,347		
14,563	9,161	-	-	-	14,765	-	-	867	37	46,326	550	106,603		
10,064	9,161	-	-	-	14,765	-	-	769	37	46,013	550	97,166		
4,499	-	-	-	-	-	-	-	98	-	314	-	9,437		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	5,896	-	-	-	-	-	-	-	5,896		

Major Energy Indicators of Japan

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	352,597	365,072	366,995	375,901	401,166	416,865	432,546	446,104	452,789
Indigenous Production	48,709	64,769	66,548	70,952	67,666	71,035	72,578	76,720	76,938
Import	319,945	311,332	315,207	318,646	340,523	361,349	376,440	384,593	391,110
Export	-16,707	-12,480	-12,102	-12,708	-11,436	-13,366	-14,834	-16,505	-18,686
Final Energy Consumption	252,650	257,526	259,769	266,120	285,715	294,920	305,094	315,963	318,537
Industry	131,376	124,842	121,885	124,437	134,008	138,785	140,776	144,606	141,094
Transport	52,317	55,640	57,499	59,443	62,750	66,865	70,090	73,024	75,534
Residential & Commercial	54,206	62,009	64,414	65,523	71,231	71,524	74,657	78,721	82,586
Agriculture	8,175	8,185	8,549	9,149	9,853	9,739	11,231	11,553	11,233
Coal, Coal Products									
Primary Energy Supply	63,565	73,023	68,658	66,538	74,867	74,388	75,641	77,477	75,467
Indigenous Production	12,522	10,424	9,193	7,402	7,431	6,782	5,890	5,197	4,392
Import	51,439	64,305	62,130	62,099	69,137	68,973	70,045	73,719	72,915
Export	-1,465	-1,553	-1,597	-2,096	-1,921	-1,655	-1,039	-1,649	-1,882
Transformation Sector	-20,520	-28,694	-28,663	-29,492	-31,847	-31,232	-32,516	-33,528	-35,061
Power Generation	-10,689	-20,221	-20,314	-21,678	-23,292	-23,027	-24,751	-26,146	-27,941
Final Energy Consumption	37,439	38,907	36,065	35,413	38,432	39,141	39,154	39,638	37,423
Industry	36,446	37,739	35,105	34,645	37,548	38,329	38,389	38,899	36,726
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	992	1,168	961	768	884	812	765	739	697
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	219,555	174,713	168,963	163,929	174,143	183,890	200,317	213,111	223,772
Indigenous Production	426	547	647	622	609	562	554	771	881
Import	219,405	173,672	170,418	162,467	169,936	183,783	200,267	212,455	219,939
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-216,698	-172,023	-166,201	-161,621	-170,933	-180,518	-199,036	-210,806	-221,366
Petroleum Refineries	-202,533	-160,698	-153,686	-149,478	-154,722	-164,279	-180,435	-191,664	-203,252
Petroleum Products									
Primary Energy Supply	14,099	31,312	39,613	48,380	56,545	56,068	48,789	40,204	36,216
Import	29,468	41,114	49,594	59,956	65,454	69,747	64,444	53,859	52,587
Export	-15,242	-10,927	-10,505	-10,612	-9,514	-11,712	-13,795	-14,856	-16,805
Transformation Sector	156,639	127,899	121,590	118,605	121,237	127,684	141,230	153,463	163,015
Power Generation	-42,852	-27,681	-25,910	-25,332	-27,950	-30,159	-33,288	-31,318	-33,174
Petroleum Refineries	203,921	159,102	151,118	147,500	152,796	161,934	178,475	188,898	200,296
Final Energy Consumption	158,787	153,149	157,111	161,690	173,729	178,512	183,505	190,060	193,344
Industry	65,073	55,111	55,192	57,307	61,770	63,842	63,618	65,235	64,113
Transport	51,008	54,251	56,079	57,988	61,215	65,255	68,395	71,283	73,756
Residential & Commercial	28,079	29,000	30,126	29,940	33,280	31,942	32,223	34,236	36,480
Agriculture	8,054	7,935	8,292	8,886	9,590	9,467	10,930	11,247	10,905
Natural Gas									
Primary Energy Supply	21,748	34,204	34,924	36,050	37,845	40,612	43,479	46,443	47,574
Indigenous Production	2,115	1,962	1,857	1,912	1,849	1,772	1,803	1,883	1,904
Import	19,633	32,242	33,065	34,124	35,996	38,846	41,684	44,561	45,670
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-11,602	-22,043	-22,364	-22,877	-24,668	-25,174	-28,790	-30,808	-31,067
Power Generation	-15,892	-25,981	-26,222	-26,556	-28,532	-29,219	-32,457	-34,678	-35,055
Final Energy Consumption	9,228	11,274	11,809	11,971	12,971	13,381	14,055	15,274	16,071
Industry	2,180	2,872	2,851	2,983	3,225	3,519	3,977	4,627	5,013
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	7,047	8,402	8,958	8,988	9,746	9,862	10,078	10,648	11,059
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	48,677	56,805	57,410	59,794	63,522	66,968	71,693	74,663	75,685
Thermal	19,325	9,758	7,244	3,594	10,541	10,110	12,842	11,505	11,540
Hydro	7,828	7,435	6,767	6,836	7,366	8,197	7,827	8,574	7,314
Nuclear	21,523	39,612	43,398	49,363	45,615	48,660	51,025	54,583	56,831
Final Energy Consumption	44,024	50,353	51,003	53,135	56,563	59,742	64,052	66,618	67,492
Industry	25,216	26,475	26,215	26,894	28,776	30,318	31,971	33,038	32,583
Transport	1,309	1,389	1,420	1,455	1,535	1,610	1,696	1,741	1,778
Residential & Commercial	17,395	22,266	23,137	24,551	26,016	27,567	30,115	31,576	32,849
Agriculture	104	223	230	235	236	247	270	263	282

Major Energy Indicators of Japan (Continued)

ktoe

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
456,866	476,302	490,786	503,422	511,340	498,873	505,382	509,254	506,805	502,245	500,049	525,923
85,609	85,889	94,829	97,863	104,463	105,509	101,581	101,967	101,874	99,654	78,679	97,040
391,322	413,678	417,131	427,144	431,129	410,437	413,969	424,865	423,930	415,776	440,772	442,900
-20,020	-21,805	-23,158	-20,412	-22,328	-21,023	-12,788	-18,018	-18,278	-18,273	-17,363	-6,367
319,447	329,495	339,893	347,315	351,193	347,393	359,189	359,974	351,670	353,203	355,055	364,014
142,093	144,884	150,362	151,661	155,230	150,117	156,193	160,749	151,381	154,245	156,209	163,524
75,848	79,304	81,288	84,314	85,927	86,474	93,180	86,933	86,596	86,435	86,347	94,255
82,367	86,094	89,200	91,917	91,114	92,510	92,719	95,458	96,903	96,471	97,166	97,396
11,132	11,235	11,292	11,590	11,157	10,906	10,090	9,988	10,184	9,715	9,437	6,011
76,636	78,860	82,827	84,973	86,849	84,977	84,412	90,989	93,901	97,378	102,648	113,135
4,146	4,012	3,593	3,526	2,922	2,118	1,995	1,674	1,484	699	683	684
74,335	76,921	81,045	83,197	85,072	84,430	83,767	90,986	94,810	98,636	103,805	114,726
-1,969	-2,081	-1,995	-1,637	-1,806	-1,661	-1,532	-1,488	-2,129	-2,144	-1,881	-1,549
-36,061	-38,616	-41,222	-44,380	-46,018	-46,836	-44,849	-49,618	-52,979	-54,775	-60,069	-66,345
-28,802	-31,580	-33,953	-36,373	-37,655	-38,841	-40,559	-44,901	-47,837	-48,968	-54,100	-62,914
37,200	37,102	37,618	37,748	38,664	36,670	36,250	39,318	35,574	37,728	37,512	38,872
36,494	36,196	36,578	36,667	37,681	35,664	35,324	38,414	34,610	36,711	36,508	37,841
-	-	-	-	-	-	-	-	-	-	-	-
706	906	1,040	1,081	983	1,006	925	904	964	1,017	1,004	1,031
-	-	-	-	-	-	-	-	-	-	-	-
224,060	237,445	234,712	232,179	237,160	226,231	219,788	218,284	213,495	205,976	215,018	209,999
800	764	758	736	741	696	635	642	660	628	712	725
223,398	237,404	234,050	230,932	238,053	223,210	216,699	216,923	213,965	203,935	215,047	210,520
-	-	-	-	-	-	-	-	-	-	-	-
-220,833	-234,851	-231,024	-231,140	-235,091	-225,344	-219,554	-218,532	-212,673	-205,934	-214,562	-214,567
-206,831	-215,914	-215,641	-216,388	-223,015	-217,086	-211,194	-210,772	-207,802	-201,383	-208,572	-209,817
29,610	29,549	32,742	38,374	31,121	27,309	41,842	37,546	34,614	38,428	35,817	40,403
47,693	50,019	52,010	58,717	52,593	45,136	53,112	54,172	50,093	51,059	52,636	50,898
-18,051	-19,725	-21,163	-18,775	-20,521	-19,362	-11,255	-16,529	-16,150	-16,129	-15,482	-4,818
170,532	175,828	178,448	179,802	188,989	184,050	189,057	187,346	188,329	182,892	184,601	184,184
-28,988	-32,888	-29,361	-28,839	-26,559	-25,812	-25,162	-24,516	-21,491	-21,875	-26,641	-22,631
203,770	212,765	211,914	212,606	219,453	213,565	218,056	215,580	213,014	207,584	213,654	209,040
193,200	198,701	205,895	209,463	209,971	207,140	218,018	211,417	209,375	205,938	206,332	211,677
65,308	67,345	71,062	70,974	71,844	69,687	75,715	74,943	72,872	71,617	72,909	78,569
74,062	77,448	79,465	82,462	84,064	84,598	91,303	85,058	84,713	84,590	84,472	92,336
35,007	35,077	36,709	37,029	35,569	34,984	34,325	35,007	35,430	34,103	34,030	32,350
10,815	10,853	10,908	11,166	10,730	10,485	9,667	9,564	9,754	9,292	9,025	5,594
47,840	51,339	51,975	56,262	57,419	59,690	62,394	64,940	67,281	64,395	71,782	69,289
1,943	2,005	1,948	1,967	2,010	2,029	2,005	2,157	2,217	2,261	2,500	2,534
45,897	49,334	50,027	54,299	55,410	57,661	60,391	62,784	65,063	62,146	69,284	66,757
-	-	-	-	-	-	-	-	-	-	-	-
-30,412	-32,714	-33,261	-35,007	-36,592	-37,763	-40,889	-42,175	-30,242	-21,922	-23,329	-45,461
-34,603	-36,731	-37,355	-39,184	-40,571	-41,599	-44,384	-45,970	-46,488	-44,321	-47,211	-47,207
17,076	17,638	18,479	19,618	20,041	20,445	20,840	22,242	20,241	22,601	23,893	23,436
5,572	6,034	6,471	6,903	7,444	7,587	7,885	8,618	6,188	8,448	9,128	8,771
-	-	-	-	-	-	-	-	-	-	-	-
11,504	11,604	12,008	12,715	12,597	12,859	12,954	13,624	14,053	14,153	14,765	14,665
-	-	-	-	-	-	-	-	-	-	-	-
76,137	80,803	82,828	85,268	87,356	88,444	87,890	92,239	90,283	90,488	91,287	96,879
2,795	7,019	683	675	-4,113	-5,416	-2,475	1,432	-736	950	22,912	13,511
8,542	6,140	7,124	7,037	7,624	8,567	7,581	7,479	7,346	7,474	8,331	8,871
64,800	67,643	75,021	77,556	83,845	85,293	82,784	83,328	83,673	82,064	60,044	74,497
67,918	72,145	73,825	76,374	78,297	79,220	80,196	82,912	82,550	83,011	83,557	86,441
32,197	32,973	33,823	34,677	35,740	34,896	34,951	36,289	35,345	35,051	35,356	36,132
1,786	1,856	1,823	1,853	1,863	1,876	1,877	1,875	1,883	1,846	1,875	1,920
33,664	36,986	37,876	39,521	40,375	42,131	43,045	44,420	44,987	45,787	46,013	48,068
272	331	304	323	319	317	323	328	335	326	314	321

Major Economic Indicators of Japan

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	116.78	120.75	121.49	122.09	122.61	123.12	123.54	123.92
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	2,806.07	3,268.21	3,364.91	3,492.60	3,728.87	3,926.16	4,130.38	4,268.78
Real Term (Billions of 2000 Price and 2000 PPP)	1,966.00	2,289.79	2,357.54	2,447.01	2,612.54	2,750.77	2,893.85	2,990.81
Nominal (Billions of Current USD)	1,062.75	1,356.36	2,009.70	2,437.33	2,959.39	2,961.16	3,039.69	3,475.96
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	24,028	27,065	27,697	28,607	30,412	31,890	33,434	34,448
Real Term (2000 Price and 2000 PPP)	16,835	18,962	19,405	20,042	21,307	22,343	23,425	24,135
Nominal (Current USD)	9,100	11,232	16,542	19,963	24,136	24,052	24,606	28,050
Nominal GDP & its Components (Billions of Current JPY) *1								
Gross Domestic Product	240,969	323,541	338,674	352,530	379,250	408,535	440,125	468,234
Household Final Consumption Expenditure, etc.	132,032	176,575	183,872	192,547	203,443	217,987	234,272	247,563
General Government Final Consumption Expenditure	32,649	43,643	45,738	47,924	50,139	53,149	56,890	60,872
Gross Fixed Capital Formation	77,062	90,168	94,223	101,046	114,748	128,168	142,239	149,057
Stock Change	1,446	2,117	1,560	452	2,681	2,993	2,551	3,195
Exports of Goods and Services	32,817	46,177	38,058	36,180	37,431	42,273	45,863	46,668
Imports of Goods and Services	35,036	35,137	24,777	25,619	29,191	36,036	41,690	39,121
Real GDP & its Components (Billions of 2000 JPY) *1								
Gross Domestic Product	302,397	352,200	362,621	376,382	401,844	423,105	445,113	460,027
Household Final Consumption Expenditure, etc.	171,951	199,321	205,964	214,454	224,885	235,731	246,536	253,621
General Government Final Consumption Expenditure	43,003	51,305	53,182	55,139	57,146	58,787	60,667	63,137
Gross Fixed Capital Formation	82,727	89,757	94,533	101,533	114,694	124,442	134,293	137,350
Stock Change	1,411	2,328	1,700	539	3,378	3,786	3,049	3,854
Exports of Goods and Services	22,846	31,478	29,533	29,306	30,861	33,746	36,008	37,494
Imports of Goods and Services	17,819	19,714	20,025	22,740	26,953	31,509	33,972	33,602
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	3.0	2.8	2.7	2.7	2.4	2.4	2.2	1.9
Industry	35.7	34.7	34.0	34.3	34.9	35.2	36.1	36.0
Services, etc.	61.3	62.5	63.3	63.1	62.7	62.5	61.7	62.1
Industrial Production Index (2000=100) *2	66.4	78.7	78.6	81.3	88.9	94.0	98.0	99.8
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	130.441	177.164	210.757	231.286	264.856	273.932	287.581	314.786
Imports, c.i.f.	141.296	130.488	127.553	151.033	187.378	209.715	235.368	236.999
Balance of Payments (Billions of Current USD) *2								
Trade Balance	2.130	55.292	91.188	91.583	92.242	80.122	69.283	96.084
Current Account	-10.750	51.129	85.877	84.351	79.249	63.215	44.078	68.204
Overall Balance	5.026	-0.500	15.130	38.050	17.560	-13.050	-9.090	-8.389
Foreign Exchange Rate (JPY/USD) *1	226.7408	238.5358	168.5198	144.6375	128.1517	137.9644	144.7925	134.7067
Purchasing Power Parity (JPY/International Dollar) *1	225.3682	202.1687	201.0047	196.5830	191.5536	188.9678	186.2402	185.2835
Price Indices								
GDP Deflator (2000=100) *3	79.7	91.9	93.4	93.7	94.4	96.6	98.9	101.8
Wholesale Price Index (2000=100) *2	113.4	114.0	108.6	105.2	104.7	106.7	108.3	109.4
Consumer Price Index (2000=100) *2	75.2	86.1	86.7	86.8	87.4	89.3	92.1	95.1
Growth Rate (%) *3								
Real GDP	2.82	5.08	2.96	3.79	6.76	5.29	5.20	3.35
Population	0.79	0.61	0.61	0.49	0.43	0.41	0.34	0.31
Price								
Wholesale Price Index	15.0	-0.8	-4.7	-3.1	-0.6	1.9	1.5	1.0
Consumer Price Index	7.8	2.0	0.6	0.1	0.7	2.3	3.1	3.2

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. shows "not available"

: JPY shows Yen, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Japan (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
124.23	124.54	124.96	125.44	125.76	126.09	126.41	126.65	126.87	127.14	127.40	127.57	127.76
4,310.27	4,320.94	4,368.41	4,456.19	4,609.25	4,690.90	4,641.79	4,635.50	4,746.07	4,755.71	4,741.31	4,803.20	4,932.89
3,019.88	3,027.36	3,060.62	3,122.12	3,229.36	3,286.56	3,252.15	3,247.74	3,325.21	3,331.97	3,321.88	3,365.24	3,456.10
3,793.82	4,354.71	4,794.21	5,283.06	4,688.25	4,305.61	3,931.05	4,452.97	4,746.07	4,162.36	3,970.85	4,291.13	4,622.77
34,696	34,696	34,958	35,525	36,651	37,202	36,720	36,601	37,409	37,405	37,216	37,651	38,609
24,309	24,309	24,493	24,890	25,679	26,065	25,727	25,643	26,210	26,207	26,075	26,379	27,051
30,539	34,967	38,366	42,117	37,279	34,147	31,098	35,160	37,409	32,738	31,169	33,637	36,182
480,492	484,234	490,005	496,922	509,984	520,939	514,595	507,224	511,462	505,847	497,897	497,485	500,150
258,052	264,149	272,646	276,844	283,433	288,788	288,209	286,605	285,750	285,965	284,153	282,702	N.A.
64,249	67,014	69,510	72,789	75,491	77,094	78,582	80,843	84,019	86,419	88,003	87,957	N.A.
146,782	142,008	138,676	138,099	145,022	146,163	138,331	133,596	134,739	130,311	120,465	119,108	N.A.
1,011	298	-710	2,233	3,499	3,137	29	-1,711	-361	-22	-1,136	-257	N.A.
47,288	44,109	44,270	45,230	49,561	56,074	55,051	51,144	55,256	52,567	55,829	58,882	N.A.
36,891	33,344	34,387	38,272	47,022	50,316	45,607	43,251	47,940	49,393	49,417	50,907	N.A.
464,498	465,648	470,764	480,223	496,718	505,517	500,225	499,547	511,462	512,501	510,949	517,619	531,595
260,266	263,833	270,935	276,092	282,903	284,995	284,355	284,245	285,750	288,777	290,355	291,004	N.A.
64,734	66,688	68,836	71,841	73,994	74,825	76,434	80,063	84,019	86,565	88,845	89,866	N.A.
134,067	130,302	128,292	129,485	137,803	138,880	133,644	132,100	134,739	132,895	125,255	126,235	N.A.
1,312	315	-796	3,006	4,715	4,260	308	-2,269	-361	49	-1,470	-296	N.A.
38,963	38,932	40,315	42,044	44,644	49,710	48,527	49,270	55,256	51,926	55,695	60,744	N.A.
33,381	32,907	35,518	40,230	45,408	45,710	42,638	44,202	47,940	47,589	48,211	50,101	N.A.
2.0	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.4	1.3	1.4	1.3	N.A.
35.0	34.0	32.8	32.4	32.3	32.4	31.3	31.6	32.2	31.3	30.6	32.1	N.A.
63.0	64.2	65.3	65.9	66.0	66.0	67.1	66.9	66.3	67.3	67.9	66.6	N.A.
94.1	90.8	92.0	95.5	97.7	101.2	94.5	94.8	100.0	93.7	92.6	95.4	100.5
339,885	362,244	397,005	443,116	410,901	420,957	387,927	417,610	479,249	403,496	416,726	471,817	565,807
233,246	241,624	275,235	335,882	349,152	338,754	280,484	309,995	379,511	349,089	337,194	382,930	454,543
124,764	139,417	144,191	131,787	83,585	101,600	122,389	123,325	116,716	70,214	93,829	106,395	132,134
112,574	131,637	130,255	111,044	65,792	96,814	118,749	114,604	119,660	87,798	112,447	136,215	172,059
0.620	27.473	25,265	58,611	35,141	6,567	-6,164	76,256	48,955	40,487	46,134	187,153	160,854
126,6513	111,1978	102,2078	94,0596	108,7791	120,9909	130,9053	113,9068	107,7655	121,5289	125,3880	115,9335	108,1926
184,3840	181,2508	177,5269	173,0786	169,0526	167,1251	165,2234	160,3031	153,8134	148,5143	144,5334	138,4982	132,5400
103.4	104.0	104.1	103.5	102.7	103.1	102.9	101.5	100.0	98.7	97.4	96.1	94.1
108.4	106.7	104.9	104.1	102.4	103.0	101.5	100.0	100.0	97.7	95.7	95.0	96.1
96.7	97.9	98.6	98.5	98.6	100.4	101.0	100.7	100.0	99.3	98.4	98.1	98.1
0.97	0.25	1.10	2.01	3.43	1.77	-1.05	-0.14	2.39	0.20	-0.30	1.31	2.70
0.25	0.25	0.34	0.38	0.26	0.26	0.25	0.19	0.17	0.21	0.20	0.14	0.15
-0.9	-1.5	-1.7	-0.8	-1.6	0.7	-1.5	-1.5	0.1	-2.3	-2.1	-0.8	1.2
1.7	1.3	0.7	-0.1	0.1	1.7	0.7	-0.3	-0.7	-0.7	-0.9	-0.3	0.0

Original Table (Quarterly) of Japan in 2005

Coal		Unit: 10 ³ ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	15,365	-	-
	FEB.	-	14,363	-	-
	MAR.	-	17,355	-	-
	1st quarter	-	47,082	-	-
	APR.	-	12,146	-	-
	MAY.	-	14,995	-	-
	JUN.	-	14,733	-	-
	2nd quarter	-	41,874	-	-
	JUL.	-	15,102	-	-
	AUG.	-	16,174	-	-
	SEP.	-	15,527	-	-
	3rd quarter	-	46,802	-	-
	OCT.	-	15,561	-	-
	NOV.	-	14,618	-	-
	DEC.	-	14,795	-	-
	4th quarter	-	44,974	-	-
		-	180,733	-	-

Oil		Unit: 1,000kL						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	92	21,667	-	-162	5,148	1,147	-292
	FEB.	84	19,131	-	-998	4,198	1,166	-1,864
	MAR.	88	22,414	-	487	4,702	1,310	-1,626
	1st quarter	264	63,212	-	-673	14,048	3,622	-3,782
	APR.	75	18,300	-	-1,459	4,885	1,237	845
	MAY.	69	21,028	-	2,819	5,106	1,360	1,399
	JUN.	70	18,619	-	92	4,631	1,881	-119
	2nd quarter	214	57,947	-	1,452	14,623	4,478	2,125
	JUL.	69	20,306	-	-172	4,620	2,197	1,157
	AUG.	70	20,851	-	-657	3,988	2,156	1,048
	SEP.	65	19,946	-	-534	3,847	2,245	330
	3rd quarter	204	61,103	-	-1,363	12,456	6,598	2,535
	OCT.	69	20,821	-	-64	4,427	2,664	1,286
	NOV.	75	20,050	-	-485	3,968	2,464	-885
	DEC.	91	22,054	-	-716	4,463	2,244	-2,936
	4th quarter	235	62,925	-	-1,265	12,858	7,372	-2,535
		917	245,187	-	-1,849	53,985	22,070	-1,656

Original Table (Quarterly) of Japan in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³			
		Production	Imports	Exports	Stock Changes
2005	JAN.	315,672	6,750,800	-	166,839
	FEB.	297,407	6,109,600	-	166,774
	MAR.	307,295	6,318,200	-	167,125
	1st quarter	920,374	19,178,600	-	500,738
	APR.	244,269	5,083,400	-	169,482
	MAY.	228,140	5,654,600	-	169,171
	JUN.	224,091	5,220,600	-	170,390
	2nd quarter	696,500	15,958,600	-	509,043
	JUL.	240,572	5,591,600	-	174,032
	AUG.	237,971	7,193,200	-	173,918
	SEP.	219,241	5,805,800	-	173,757
	3rd quarter	697,784	18,590,600	-	521,707
	OCT.	225,804	5,258,400	-	178,930
	NOV.	256,335	5,745,600	-	179,991
	DEC.	323,082	5,877,200	-	180,710
	4th quarter	805,221	16,881,200	-	539,631
		3,119,879	70,609,000	-	2,071,119

Electricity		Unit: GWh						
		Gross Generation					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	83,379	55,110	5,546	22,434	289	-	-
	FEB.	77,618	51,708	5,296	20,378	236	-	-
	MAR.	81,379	51,881	6,566	22,672	260	-	-
	1st quarter	242,375	158,699	17,407	65,484	785	-	-
	APR.	71,898	40,272	8,196	23,186	244	-	-
	MAY.	71,821	39,184	8,650	23,725	261	-	-
	JUN.	78,444	46,359	7,116	24,722	247	-	-
	2nd quarter	222,163	125,815	23,962	71,634	752	-	-
	JUL.	86,916	50,506	9,368	26,796	246	-	-
	AUG.	91,209	55,604	8,324	27,032	249	-	-
	SEP.	81,863	50,264	8,062	23,304	233	-	-
	3rd quarter	259,988	156,374	25,754	77,132	728	-	-
	OCT.	75,818	44,052	5,158	26,379	229	-	-
	NOV.	74,997	44,625	4,041	26,074	257	-	-
	DEC.	87,874	56,871	4,392	26,335	276	-	-
	4th quarter	238,689	145,547	13,592	78,788	762	-	-
		963,215	586,436	80,715	293,038	3,027	-	-

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.9 Republic of Korea

Energy Balance Table of Republic of Korea in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	2,006	-	437	-	-	-	-	-	-
2 Import	49,908	447	116,545	23,436	142	16,583	28	186	644
3 Export	-	-	-12	-32,130	-2,305	-3,941	-6,113	-1,039	-9,459
4 International Marine Bunkers	-	-	-	-6,956	-	-	-	-	-915
5 Stock Changes	-1,407	-	1,079	-973	22	-612	-113	270	-220
6 Total Primary Energy Supply	50,507	447	118,049	-16,624	-2,140	12,030	-6,198	-583	-9,950
7 Transfers	-	-	76	422	489	-	62	-186	-52
8 Total Transformation Sector	-45,882	4,269	-119,564	108,290	9,470	15,106	10,293	6,782	30,037
8.1 Main Activity Producer	-29,724	-	-	-4,929	-	-	-	-113	-27
8.2 Autoproducers	-1,474	-2,605	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-119,564	119,680	9,470	21,243	10,293	6,896	30,065
8.5 Coal Transformation	-14,684	6,874	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-6,461	-	-6,137	-	-1	-1
9. Loss & Own Use	-	-1,611	-	-4,698	-19	-31	-	-15	-17
10. Discrepancy	181	144	1,440	-599	-505	3	20	-83	195
11 Total Final Energy Consumption	4,807	3,248	-	86,791	7,294	27,108	4,177	5,916	20,213
12 Industry Sector	4,807	2,591	-	7,897	-	-	2	344	885
13 Transport Sector	-	-	-	33,802	7,294	-	3,550	19	15,677
14 Other Sector	-	657	-	13,124	-	-	625	5,524	3,650
14.1 Residential & Commercial	-	657	-	9,403	-	-	2	5,064	1,263
14.2 Agriculture	-	-	-	1,504	-	-	-	448	940
14.3 Other	-	-	-	2,217	-	-	623	11	1,448
15 Non-energy	-	-	-	31,969	-	27,108	-	29	-

Energy Balance Table of Republic of Korea in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	1,410	-	499	-	-	-	-	-	-
2 Import	45,418	-	110,258	27,003	257	16,697	464	882	1,602
3 Export	-	-	-43	-28,523	-1,698	-3,917	-3,716	-1,774	-8,437
4 International Marine Bunkers	-	-	-	-6,321	-	-	-	-	-895
5 Stock Changes	258	-	-1,718	48	-36	215	-35	-124	-173
6 Total Primary Energy Supply	47,086	-	108,995	-7,793	-1,478	12,995	-3,287	-1,017	-7,903
7 Transfers	-	-	250	-191	450	-1	-119	-218	-89
8 Total Transformation Sector	-42,949	4,729	-114,865	101,635	9,163	12,934	7,395	8,530	28,456
8.1 Main Activity Producer	-27,540	-	-	-5,798	-	-	-	-238	-317
8.2 Autoproducers	-1,118	-2,349	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-114,865	113,635	9,163	18,834	7,395	8,775	28,774
8.5 Coal Transformation	-14,290	7,078	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-6,201	-	-5,900	-	-6	-1
9. Loss & Own Use	-	-1,661	-	-4,661	-3	-45	-	-46	-20
10. Discrepancy	1,097	-0	5,620	-1,254	-546	141	-12	-131	-242
11 Total Final Energy Consumption	5,234	3,068	-	87,737	7,587	26,024	3,978	7,119	20,202
12 Industry Sector	5,234	2,511	-	8,541	-	1	2	339	899
13 Transport Sector	-	-	-	33,829	7,587	-	3,330	32	15,403
14 Other Sector	-	557	-	14,961	-	-	645	6,724	3,900
14.1 Residential & Commercial	-	557	-	10,914	-	-	1	6,198	1,265
14.2 Agriculture	-	-	-	1,769	-	-	-	513	1,157
14.3 Other	-	-	-	2,278	-	-	644	13	1,478
15 Non-energy	-	-	-	30,406	-	26,023	-	24	-

Energy Balance Table of Republic of Korea in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	-	506	34,064	42	1,743	-	-	38,799		
1,187	4,644	-	-	22	25,919	-	-	-	-	-	-	216,255		
-6,563	-94	-	-	-2,617	-	-	-	-	-	-	-	-32,142		
-6,041	-	-	-	-	-	-	-	-	-	-	-	-6,956		
-207	-70	-	-	-43	-632	-	-	-	-	-	-	-1,933		
-11,625	4,480	-	-	-2,638	25,288	506	34,064	42	1,743	-	-	214,022		
144	-62	-	-	27	-	-	-	-	-	-	-	498		
23,880	3,930	2,382	-	6,410	-10,595	-506	-34,064	-5	-325	31,662	4,418	-62,302		
-4,789	-	-	-	-	-9,945	-506	-34,064	-	-52	29,166	1,381	-48,673		
-	-	-	-	-	-650	-	-	-5	-273	2,496	3,036	526		
-	-	-	-	-	-	-	-	-	-	-	-	-		
28,721	4,200	2,382	-	6,410	-	-	-	-	-	-	-	116		
-	-	-	-	-	-	-	-	-	-	-	-	-7,810		
-52	-270	-	-	-	-	-	-	-	-0	-	-	-6,461		
-2,191	-6	-2,391	-	-29	-565	-	-	-	-	-2,599	-83	-9,557		
-131	-9	9	-	-99	386	-	-	-	26	-0	-0	1,578		
10,078	8,334	-	-	3,672	14,514	-	-	37	1,444	29,063	4,334	144,239		
6,163	503	-	-	-	3,940	-	-	-	1,131	15,248	2,885	38,499		
3,160	4,102	-	-	-	228	-	-	-	-	213	-	34,243		
755	2,570	-	-	-	10,345	-	-	37	313	13,602	1,449	39,528		
604	2,470	-	-	-	10,323	-	-	37	313	13,042	1,449	35,225		
111	5	-	-	-	22	-	-	0	-	420	-	1,946		
39	95	-	-	-	-	-	-	-	-	140	-	2,356		
-	1,159	-	-	3,672	-	-	-	-	-	-	-	31,969		

Energy Balance Table of Republic of Korea in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	-	594	33,793	3	1,729	-	-	38,028		
2,198	4,902	-	-	-	22,738	-	-	-	-	-	-	205,416		
-6,607	-281	-	-	-2,092	-	-	-	-	-	-	-	-28,566		
-5,426	-	-	-	-	-	-	-	-	-	-	-	-6,321		
190	-1	-	-	13	-731	-	-	-	-	-	-	-2,142		
-9,644	4,619	-	-	-2,079	22,007	594	33,793	3	1,729	-	-	206,415		
-167	-42	-	-	-5	-	-	-	-	-	-	-	59		
23,579	3,858	2,279	-	5,440	-7,567	-594	-33,793	-2	-701	29,829	3,482	-60,795		
-5,244	-	-	-	-	-7,089	-594	-33,793	-	-230	27,397	1,387	-46,261		
-	-	-	-	-	-478	-	-	-2	-470	2,432	2,096	110		
-	-	-	-	-	-	-	-	-	-	-	-	-		
28,891	4,083	2,279	-	5,440	-	-	-	-	-	-	-	-1,230		
-	-	-	-	-	-	-	-	-	-	-	-	-7,212		
-69	-225	-	-	-	-	-	-	-	-0	-	-	-6,201		
-2,227	-9	-2,277	-	-33	-192	-	-	-	-	-2,476	-114	-9,103		
-453	-20	-1	-	10	-233	-	-	-	27	-	-	5,257		
11,087	8,406	1	-	3,333	14,015	-	-	1	1,056	27,353	3,369	141,833		
6,752	547	1	-	-	3,738	-	-	-	941	14,492	1,965	37,422		
3,511	3,965	-	-	-	130	-	-	-	-	200	-	34,159		
825	2,868	-	-	-	10,147	-	-	1	115	12,661	1,404	39,845		
685	2,765	-	-	-	10,126	-	-	1	115	12,150	1,404	35,266		
94	5	-	-	-	21	-	-	0	-	511	-	2,301		
45	98	-	-	-	-	-	-	-	-	-	-	2,278		
-	1,026	-	-	3,333	-	-	-	-	-	-	-	30,406		

Major Energy Indicators of Republic of Korea

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	38,321	52,892	60,428	66,039	74,951	79,470	92,648	100,286	111,989
Indigenous Production	9,215	14,547	18,322	21,312	21,143	21,621	21,905	22,027	20,331
Import	29,598	43,008	49,050	51,424	59,143	65,110	73,817	91,255	110,783
Export	-10	-3,567	-3,699	-4,499	-4,237	-4,783	-3,730	-9,695	-12,816
Final Energy Consumption	35,685	43,496	47,585	52,239	57,790	62,817	63,982	71,212	81,114
Industry	15,567	17,822	19,303	21,902	25,027	27,416	25,167	29,943	36,221
Transport	4,672	6,375	7,318	8,815	10,214	11,659	14,928	16,776	18,696
Residential & Commercial	12,956	17,403	18,580	19,042	19,857	20,721	21,138	21,111	22,447
Agriculture	17	846	1,133	1,205	1,400	1,555	1,679	1,852	2,102
Coal, Coal Products									
Primary Energy Supply	12,539	21,542	21,670	23,115	26,302	24,836	25,558	25,072	22,492
Indigenous Production	8,139	9,851	10,598	10,607	10,386	8,886	7,575	6,580	4,699
Import	4,689	12,354	12,914	13,172	15,283	15,605	15,725	19,046	19,609
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-734	-3,878	-4,220	-3,667	-4,367	-4,157	-13,000	-13,001	-12,044
Power Generation	-734	-3,878	-4,220	-3,667	-4,367	-4,157	-5,955	-6,276	-6,878
Final Energy Consumption	11,805	17,043	17,943	18,789	19,537	19,111	11,371	9,779	7,977
Industry	3,471	6,166	6,460	7,614	8,849	9,750	2,706	3,031	2,962
Transport	2	-	-	-	-	-	-	-	-
Residential & Commercial	8,332	10,877	11,483	11,175	10,688	9,360	8,665	6,748	5,015
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	22,901	27,596	32,014	30,080	36,330	41,247	43,245	55,087	70,408
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	22,901	27,596	32,014	30,080	36,330	41,247	42,678	55,264	70,497
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-22,534	-27,988	-29,185	-29,350	-35,682	-41,290	-42,527	-57,129	-70,669
Petroleum Refineries	-22,534	-27,988	-29,185	-29,350	-35,682	-41,290	-42,527	-57,129	-70,669
Petroleum Products									
Primary Energy Supply	1,805	-942	-1,043	246	-884	-1,716	6,790	1,528	-599
Import	2,008	3,057	3,985	6,207	5,120	5,906	12,733	13,718	16,669
Export	-10	-3,567	-3,699	-4,499	-4,237	-4,783	-3,730	-9,695	-12,816
Transformation Sector	18,038	22,821	25,166	26,759	31,802	36,742	38,825	52,165	64,413
Power Generation	-6,639	-4,249	-3,035	-1,130	-2,638	-3,226	-4,274	-5,959	-7,449
Petroleum Refineries	24,692	27,155	28,317	27,973	34,529	40,117	43,100	58,124	71,861
Final Energy Consumption	21,052	22,015	24,680	27,742	31,494	36,010	43,821	51,176	61,393
Industry	10,143	8,883	9,704	10,650	12,015	13,135	17,419	21,348	27,276
Transport	4,636	6,313	7,242	8,741	10,133	11,576	14,841	16,682	18,595
Residential & Commercial	3,800	4,975	5,414	5,943	6,764	8,403	8,938	10,141	12,281
Agriculture	-	794	1,068	1,133	1,288	1,429	1,553	1,699	1,916
Natural Gas									
Primary Energy Supply	-	-	64	1,893	2,445	2,367	2,725	3,152	4,058
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	137	1,965	2,410	2,353	2,681	3,227	4,008
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	13	75	72	-1,699	-2,134	-1,799	-2,037	-2,106	-2,603
Power Generation	-	-	-52	-1,795	-2,226	-1,950	-2,037	-2,106	-2,603
Final Energy Consumption	13	75	119	179	305	558	673	1,029	1,470
Industry	-	13	36	68	99	143	73	111	105
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	13	62	84	112	206	415	600	917	1,364
Agriculture	-	-	-	-	-	-	-	0	0
Electricity									
Power Generation	3,203	4,989	5,564	6,363	7,350	8,125	9,062	9,875	10,851
Thermal	2,126	311	-2,160	-4,342	-3,408	-4,611	-5,268	-5,234	-4,299
Hydro	171	315	346	460	307	392	547	434	418
Nuclear	906	4,363	7,378	10,245	10,451	12,344	13,782	14,675	14,732
Final Energy Consumption	2,815	4,363	4,843	5,519	6,391	7,069	8,117	8,976	9,911
Industry	1,954	2,760	3,103	3,570	4,064	4,388	4,970	5,453	5,878
Transport	34	62	76	74	80	83	87	94	101
Residential & Commercial	810	1,489	1,599	1,802	2,136	2,472	2,935	3,277	3,747
Agriculture	17	52	65	72	112	126	125	153	186

Major Energy Indicators of Republic of Korea (Continued)

ktoe

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
125,068	134,704	147,869	163,266	176,595	162,354	178,629	190,995	193,896	201,990	206,415	214,022
20,055	19,425	21,229	22,944	24,313	27,819	31,462	33,464	34,321	35,064	38,028	38,799
126,186	136,888	150,590	170,331	192,053	182,796	193,589	206,298	204,443	203,447	205,416	216,255
-14,355	-12,127	-15,608	-21,337	-31,247	-39,836	-39,694	-40,846	-40,136	-32,166	-28,566	-32,142
89,028	97,530	105,928	114,087	121,396	109,355	120,635	126,231	128,867	139,093	141,833	144,239
39,486	42,771	44,424	47,636	52,669	51,081	54,455	57,848	59,758	66,121	67,356	69,944
21,097	23,861	27,007	29,320	29,961	25,776	28,128	30,481	31,511	33,527	34,607	34,740
24,199	25,325	28,210	30,830	32,404	27,034	32,238	31,679	31,566	34,547	35,266	35,225
2,341	2,699	2,946	3,305	3,627	3,149	3,450	3,666	3,899	3,751	2,301	1,946
24,497	25,406	26,475	30,109	32,321	33,292	34,833	39,449	42,850	45,665	47,086	50,954
3,812	3,085	2,465	2,155	1,983	1,924	1,845	1,790	1,654	1,418	1,410	2,006
23,002	25,348	28,014	29,799	32,230	33,467	33,035	38,451	39,004	43,954	45,418	50,355
-	-	-	-	-	-	-	-	-	-	-	-
-14,355	-15,919	-17,118	-20,266	-22,665	-24,368	-25,663	-29,401	-32,166	-34,874	-38,220	-41,613
-8,820	-10,640	-11,855	-14,827	-17,091	-18,769	-20,039	-23,576	-26,178	-27,807	-31,007	-33,803
7,154	6,548	6,371	6,584	6,299	5,573	5,737	6,689	7,230	9,017	8,302	8,055
3,652	4,427	5,005	5,681	5,651	4,993	5,207	6,123	6,646	8,460	7,745	7,398
-	-	-	-	-	-	-	-	-	-	-	-
3,502	2,121	1,365	903	648	580	530	566	584	557	557	657
-	-	-	-	-	-	-	-	-	-	-	-
77,264	79,314	89,920	101,660	124,235	115,502	123,011	126,509	120,861	111,027	108,995	118,049
-	-	-	-	470	391	446	670	572	528	499	437
77,581	81,311	89,250	102,197	123,713	116,034	122,989	125,825	121,334	110,455	110,258	116,545
-	-114	-25	-217	-207	-36	-38	-99	-103	-126	-43	-12
-75,284	-80,992	-91,721	-107,386	-126,226	-119,603	-125,516	-127,994	-124,863	-117,126	-114,865	-119,564
-75,284	-80,992	-91,721	-107,386	-126,226	-119,603	-125,516	-127,994	-124,863	-117,126	-114,865	-119,564
1,889	6,778	4,386	-209	-15,151	-24,434	-23,596	-22,976	-20,652	-9,029	-7,793	-16,624
20,393	23,294	25,064	27,108	22,504	20,892	22,341	24,951	25,193	28,180	27,003	23,436
-14,355	-12,012	-15,584	-21,120	-31,041	-39,800	-39,656	-40,747	-40,033	-32,040	-28,523	-32,130
69,895	71,694	80,239	92,093	108,817	108,030	114,172	114,283	110,788	102,726	101,635	108,290
-7,012	-7,779	-9,394	-8,393	-9,728	-3,476	-3,852	-5,933	-6,441	-5,721	-5,798	-4,929
76,907	80,816	91,141	102,307	123,913	117,057	123,439	125,320	122,480	114,786	113,635	119,680
68,291	74,684	80,457	85,147	89,581	78,224	85,335	86,202	85,356	86,925	87,737	86,791
29,164	30,814	30,882	32,358	36,148	35,444	37,205	37,927	37,302	37,614	38,475	39,342
20,988	23,736	26,869	29,176	29,809	25,640	27,979	30,306	31,317	33,259	34,276	34,299
14,472	15,180	17,142	18,198	18,296	12,776	15,171	13,269	12,155	11,701	10,914	9,403
2,150	2,448	2,656	2,973	3,268	2,802	3,056	3,198	3,364	3,205	1,769	1,504
5,175	6,866	8,324	10,915	13,330	12,492	15,210	17,010	18,742	21,209	22,007	25,288
-	-	-	-	-	-	-	-	-	-	-	-
5,211	6,936	8,261	11,226	13,606	12,402	15,224	17,071	18,912	20,858	22,738	25,919
-	-	-	-	-	-	-	-	-	-	-	-
-2,946	-3,895	-4,168	-5,408	-6,291	-4,902	-5,657	-5,757	-6,716	-7,616	-7,567	-10,595
-2,946	-3,895	-4,168	-5,408	-6,291	-4,902	-5,657	-5,757	-6,716	-7,616	-7,567	-10,595
2,162	2,868	3,998	5,336	6,751	7,292	9,227	10,927	11,521	13,097	14,015	14,514
279	354	533	749	1,220	1,631	2,042	2,881	3,125	3,449	3,738	3,940
-	-	-	-	-	-	-	-	-	72	130	228
1,882	2,513	3,464	4,587	5,531	5,661	7,184	8,035	8,376	9,560	10,126	10,323
0	0	0	0	0	0	1	11	20	17	21	22
12,454	14,063	15,812	17,663	19,352	18,767	20,451	22,814	24,360	28,589	29,829	31,662
-3,213	-1,574	-2,127	-2,049	-1,201	-5,130	-6,929	-6,065	-5,375	-2,906	-4,557	-2,908
517	352	471	447	465	525	522	482	514	457	594	506
15,151	15,284	17,468	19,265	20,089	23,373	26,858	28,396	29,222	31,038	33,793	34,064
10,985	12,602	14,041	15,692	17,267	16,638	18,422	20,084	21,532	25,868	27,353	29,063
6,390	7,176	8,004	8,848	9,650	9,013	10,001	10,918	11,365	13,798	14,492	15,248
108	124	138	145	151	136	149	175	194	195	200	213
4,296	5,052	5,610	6,368	7,107	7,143	7,880	8,534	9,457	11,345	12,150	13,042
191	251	290	332	359	346	393	456	515	529	511	420

Major Economic Indicators of Republic of Korea

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	38.12	40.81	41.18	41.58	41.98	42.38	42.87	43.27
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	122.81	178.97	197.98	219.96	243.36	259.78	283.56	310.20
Real Term (Billions of 2000 Price and 2000 PPP)	182.83	266.43	294.72	327.45	362.29	386.73	422.14	461.79
Nominal (Billions of Current USD)	63.83	96.62	111.31	140.01	187.45	230.47	263.78	308.18
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	3,221	4,386	4,807	5,291	5,798	6,130	6,615	7,169
Real Term (2000 Price and 2000 PPP)	4,796	6,529	7,156	7,876	8,631	9,125	9,847	10,673
Nominal (Current USD)	1,674	2,368	2,703	3,368	4,466	5,438	6,153	7,123
Nominal GDP & its Components (Billions of Current KRW) *1								
Gross Domestic Product	38,775	84,061	98,110	115,164	137,112	154,753	186,691	226,008
Household Final Consumption Expenditure, etc.	24,251	47,600	52,555	58,705	67,472	79,045	94,968	114,757
General Government Final Consumption Expenditure	4,825	9,426	10,769	12,334	14,744	17,819	22,054	26,303
Gross Fixed Capital Formation	12,492	24,187	27,891	33,830	40,930	49,794	69,234	87,889
Stock Change	-157	1,003	677	1,065	2,091	2,713	801	1,907
Exports of Goods and Services	12,433	26,876	34,969	44,075	49,938	47,657	52,187	59,515
Imports of Goods and Services	15,496	26,379	30,001	35,931	40,144	44,470	54,195	65,518
Real GDP & its Components (Billions of 2000 KRW) *1								
Gross Domestic Product	138,898	202,408	223,901	248,764	275,236	293,798	320,697	350,820
Household Final Consumption Expenditure, etc.	86,397	121,938	132,396	142,657	154,704	170,263	185,862	202,047
General Government Final Consumption Expenditure	24,615	29,372	31,399	33,612	36,804	40,196	44,754	47,663
Gross Fixed Capital Formation	35,783	52,813	58,901	69,557	79,032	91,670	114,989	131,589
Stock Change	206	1,603	1,132	1,369	3,658	4,697	469	2,546
Exports of Goods and Services	19,915	32,184	40,815	49,705	55,502	53,297	55,670	61,834
Imports of Goods and Services	27,351	36,124	42,782	51,149	58,173	68,328	77,742	92,240
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	11.2	10.3	9.8	8.4	8.3	7.7	6.6	6.1
Industry	28.6	31.2	32.3	33.8	33.8	33.6	34.9	35.2
Services, etc.	53.5	51.4	50.7	50.2	50.1	50.4	49.8	49.4
Industrial Production Index (2000=100) *2	14.3	23.5	28.4	33.9	38.4	39.6	43.1	47.3
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	17.512	30.282	34.715	47.281	60.696	62.377	65.016	71.870
Imports, c.i.f.	22.292	31.136	31.585	41.019	51.811	61.465	69.844	81.525
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-4.613	-0.020	4.299	7.529	11.283	4.345	-2.461	-6.904
Current Account	-5.312	-0.795	4.709	10.058	14.505	5.344	-2.014	-8.417
Overall Balance	0.184	0.211	0.034	2.100	9.327	3.410	-1.208	-1.147
Foreign Exchange Rate (KRW/USD) *1	607.43	870.02	881.45	822.57	731.47	671.46	707.76	733.35
Purchasing Power Parity (KRW/International Dollar) *1	387.79	443.90	459.42	476.36	498.74	510.44	543.92	581.11
Price Indices								
GDP Deflator (2000=100) *3	27.9	41.5	43.8	46.3	49.8	52.7	58.2	64.4
Producer Price Index (2000=100)*2	51.7	66.3	65.3	65.6	67.4	68.4	71.3	74.6
Consumer Price Index (2000=100)*2	33.2	46.8	48.1	49.6	53.1	56.1	60.9	66.6
Growth Rate (%) *3								
Real GDP	-1.49	6.80	10.62	11.10	10.64	6.74	9.16	9.39
Population	1.57	0.99	0.93	0.95	0.96	0.96	1.15	0.93
Price								
Producer Price Index	38.9	0.9	-1.5	0.5	2.7	1.5	4.2	4.7
Consumer Price Index	28.7	2.5	2.8	3.0	7.1	5.7	8.6	9.3

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. shows "not available"

: KRW shows Won, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Republic of Korea (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
43.66	44.06	44.45	45.09	45.53	45.95	46.29	46.62	47.01	47.35	47.62	47.85	48.08
328.42	348.57	378.32	413.01	441.92	462.47	430.77	471.64	511.66	531.29	568.32	585.92	613.13
488.92	518.91	563.21	614.85	657.88	688.47	641.28	702.12	761.70	790.92	846.05	872.26	912.76
329.89	362.14	423.44	517.12	557.64	516.28	345.43	445.40	511.66	481.89	546.93	608.15	679.67
7,522	7,912	8,511	9,159	9,707	10,064	9,307	10,117	10,884	11,220	11,936	12,245	12,752
11,198	11,778	12,670	13,635	14,451	14,982	13,854	15,061	16,204	16,703	17,769	18,229	18,983
7,555	8,220	9,525	11,468	12,249	11,235	7,463	9,554	10,884	10,177	11,487	12,710	14,136
257,526	290,676	340,208	398,838	448,597	491,135	484,103	529,499	578,664	622,122	684,263	724,675	778,445
131,979	149,686	177,904	208,462	236,194	258,636	238,811	274,934	312,301	343,417	381,063	389,177	400,696
31,022	34,413	38,941	44,687	52,138	56,749	61,981	65,174	70,098	80,298	88,512	96,203	104,961
95,001	105,623	123,899	148,819	168,157	174,961	146,914	157,407	179,908	183,792	199,047	216,807	229,691
1,034	-1,760	1,825	1,411	6,225	1,706	-25,903	-3,199	-494	-1,314	-41	292	5,544
68,477	77,112	90,624	114,978	124,988	159,091	223,481	206,842	236,210	235,187	241,209	274,995	343,229
71,459	75,975	93,149	119,336	140,574	162,056	161,180	171,437	217,979	220,914	231,765	257,728	309,366
371,433	394,215	427,868	467,100	499,790	523,035	487,184	533,399	578,665	600,866	642,748	662,655	693,424
214,238	227,144	246,270	270,628	288,862	298,386	258,317	288,026	312,301	327,684	353,560	349,200	347,490
51,194	54,052	56,295	59,127	63,846	65,526	67,045	68,991	70,098	73,507	77,924	80,877	83,279
132,313	142,537	160,341	181,345	196,550	192,034	147,992	160,336	179,908	179,576	191,465	199,048	202,928
2,273	-2,003	2,858	-1,644	2,039	-3,930	-17,426	1,744	-495	-243	-1,567	-4,469	1,097
69,381	77,814	90,483	112,547	126,238	153,539	172,965	198,256	236,210	229,764	260,221	300,825	359,995
97,204	102,993	124,954	153,631	175,634	181,706	142,073	181,564	217,979	208,899	240,665	264,930	301,600
6.3	5.6	5.2	5.0	4.8	4.8	4.8	4.6	4.3	4.2	3.8	3.5	3.6
34.1	34.3	34.6	34.8	34.9	34.8	34.3	35.1	36.2	35.9	35.8	36.8	38.3
50.0	50.3	49.9	49.4	49.0	49.2	50.7	49.4	48.3	48.8	49.2	48.4	46.9
50.0	52.2	58.0	64.9	70.4	73.7	69.0	85.6	100.0	100.7	108.8	114.2	126.1
76.632	82.236	96.013	125.058	129.715	136.164	132.313	143.686	172.267	150.439	162.470	193.817	253.845
81.775	83.800	102.348	135.119	150.339	144.616	93.282	119.752	160.481	141.098	152.126	178.827	224.463
-1.907	2.150	-3.017	-4.365	-15.077	-3.256	41.665	28.463	16.954	13.488	14.777	21.952	38.161
-4.095	0.821	-4.024	-8.665	-23.210	-8.384	40.371	24.522	12.251	8.033	5.394	11.950	27.613
3.724	3.009	4.614	7.039	1.416	-22.979	25.930	33.260	23.790	13.278	11.769	25.791	38.675
780.65	802.67	803.45	771.27	804.45	951.29	1,401.44	1,188.82	1,130.96	1,290.99	1,251.09	1,191.61	1,145.32
611.27	635.23	670.50	705.00	726.94	746.82	773.14	764.96	759.70	770.27	782.29	789.08	793.77
69.3	73.7	79.5	85.4	89.8	93.9	99.4	99.3	100.0	103.5	106.5	109.4	112.3
79.2	77.4	79.5	83.2	85.9	89.2	100.1	98.0	100.0	99.5	99.2	101.4	107.6
70.8	74.2	78.8	82.3	86.4	90.2	97.0	97.8	100.0	104.1	106.9	110.7	114.7
5.88	6.13	8.54	9.17	7.00	4.65	-6.85	9.49	8.49	3.84	6.97	3.10	4.64
0.91	0.90	0.90	1.44	0.96	0.94	0.72	0.71	0.84	0.73	0.55	0.49	0.49
6.2	-2.3	2.7	4.7	3.2	3.8	12.2	-2.1	2.0	-0.5	-0.3	2.2	6.1
6.3	4.7	6.3	4.5	4.9	4.4	7.5	0.8	2.3	4.1	2.7	3.6	3.6

Energy Price of Republic of Korea in 2004

Currency Exchange Rate

	Local currency / USD	
Currency Exchange Rate		
Local Currency Unit		Won

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/ton	69.0	Coking Coal			Coking Coal		
Anthracite	USD/ton	55.0	Anthracite			Anthracite		
Other bituminous coal	USD/ton	51.0	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal	USD/ton	27.0	Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke	USD/ton	133.0	Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
Oil and Oil Products			Gas Works Gas			Gas Works Gas		
Crude Oil	USD/bbl	51.0	Oil and Oil Products			Oil and Oil Products		
Natural Gas Liquids			Crude Oil			Crude Oil		
Ethane			Natural Gas Liquids			Natural Gas Liquids		
LPG	USD/bbl	313.0	Ethane			Ethane		
Naphtha	USD/bbl	423.0	LPG			LPG	Won/kg	1,050.0
Motor Gasoline	USD/bbl	465.0	Naphtha			Naphtha		
Aviation Gasoline			Motor Gasoline			Motor Gasoline	Won/liter	1,365.0
Gasoline Type Jet Fuel			Aviation Gasoline			Aviation Gasoline		
Kerosene Type Jet Fuel	USD/bbl	430.0	Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Other Kerosene	USD/bbl	457.0	Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Gas/Diesel Oil	USD/bbl	444.0	Other Kerosene			Other Kerosene	Won/liter	758.0
Fuel Oil	USD/bbl	332.0	Gas/Diesel Oil			Gas/Diesel Oil	Won/liter	908.0
White Spirit SBP			Fuel Oil			Fuel Oil	Won/liter	367.0
Lubricants			White Spirit SBP			White Spirit SBP		
Bitumen			Lubricants			Lubricants		
Paraffin Waxes			Bitumen			Bitumen		
Petroleum Coke			Paraffin Waxes			Paraffin Waxes		
Natural Gas			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas	USD/ton	301.0	Natural Gas			Natural Gas	Won/m³	455.0
Compressed Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Electricity			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Other Energy Products			Electricity			Industrial	Won/kWh	60.0
			Other Energy Products			Commercial	Won/kWh	97.0
						Residential	Won/kWh	91.0
						Others		
						Other Energy Products		

Original Table (Quarterly) of Republic of Korea in 2005

Coal		Unit: 1,000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	232	6,200	-	162
	FEB.	181	5,052	-	128
	MAR.	255	7,239	-	119
	1st quarter	668	18,491	-	409
	APR.	291	6,405	-	-
	MAY.	253	6,351	-	-
	JUN.	232	5,901	-	-
	2nd quarter	776	18,657	-	-
	JUL.	244	7,307	-	-38
	AUG.	239	5,909	-	55
	SEP.	232	6,475	-	152
	3rd quarter	715	19,691	-	169
	OCT.	236	6,064	-	232
	NOV.	257	6,276	-	280
	DEC.	241	5,609	-	281
	4th quarter	734	17,949	-	793
		2,893	74,788	-	1,371

Oil		Unit: 1,000bbl						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.		62,490			12,639	20,534	7,682
	FEB.		70,276			14,284	17,914	-341
	MAR.		81,204			16,590	19,261	1,300
	1st quarter		213,970			43,513	57,709	8,641
	APR.		63,854		4,504	15,798	20,270	-2,335
	MAY.		66,246		1,029	15,794	24,347	-1,100
	JUN.		64,291		-1,721	18,157	9,384	-7,161
	2nd quarter		194,391		3,812	49,749	54,001	-10,597
	JUL.		66,702			14,188	23,284	-1,873
	AUG.		68,354			15,666	23,776	3,593
	SEP.		71,869			14,017	24,174	1,158
	3rd quarter		206,925			43,871	71,234	2,878
	OCT.		69,630			13,480	24,028	-2,921
	NOV.		78,491			15,429	26,930	2,161
	DEC.		77,003			20,516	25,582	2,265
	4th quarter		225,124			49,425	76,540	1,505
		-	840,410	-	3,812	186,558	259,484	2,427

Original Table (Quarterly) of Republic of Korea in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³				
		Production	Imports	Exports	Stock Changes	
2005	JAN.	43	2,299	-	260	
	FEB.	39	2,121	-	-1,147	
	MAR.	44	2,648	-	-836	
	1st quarter	126	7,068	-	-1,723	
	APR.	-	1,974	-	-198	
	MAY.	-	1,374	-	401	
	JUN.	-	1,285	-	-438	
	2nd quarter	-	4,633	-	-235	
	JUL.	28	1,297	-	-1,727	
	AUG.	21	1,305	-	-1,755	
	SEP.	19	1,475	-	-2,106	
	3rd quarter	68	4,077	-	-5,588	
	OCT.	31	1,976	-	-2,831	
	NOV.	43	2,438	-	-3,557	
	DEC.	38	2,566	-	-2,864	
	4th quarter	112	6,980	-	-9,252	
			306	22,758	-	-16,798

Electricity		Unit: GWh							
		Gross Generation					Imports	Exports	
		Total	Thermal	Hydro	Nuclear	Others			
2005	JAN.	32,477	14,493	276	11,547	-	-	-	
	FEB.	28,303	12,716	237	11,325	-	-	-	
	MAR.	31,456	13,255	198	12,635	-	-	-	
	1st quarter	92,236	40,464	711	35,507	-	-	-	
	APR.	26,579	16,715	233	9,631	-	-	-	
	MAY.	26,978	16,209	362	10,407	-	-	-	
	JUN.	27,493	16,102	606	10,785	-	-	-	
	2nd quarter	81,050	49,026	1,201	30,823	-	-	-	
	JUL.	31,262	13,551	721	11,854	-	-	-	
	AUG.	31,168	12,677	833	13,255	-	-	-	
	SEP.	28,557	12,080	548	11,364	-	-	-	
	3rd quarter	90,987	38,308	2,102	36,473	-	-	-	
	OCT.	29,455	11,902	494	12,684	-	-	-	
	NOV.	30,664	12,624	316	11,827	-	-	-	
	DEC.	35,517	14,791	320	12,658	-	-	-	
	4th quarter	95,636	39,317	1,130	37,169	-	-	-	
			359,909	167,115	5,144	139,972	-	-	-

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.10 Malaysia

Energy Balance Table of Malaysia in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	229	-	38,713	1,031	-	-	-	50	126
2 Import	7,118	-	8,123	8,974	3,560	-	-	3	1,867
3 Export	-81	-	-19,321	-8,898	-1,195	-	-	-460	-1,849
4 International Marine Bunkers	-	-	-	-100	-	-	-	-	-65
5 Stock Changes	184	-	-443	338	-14	-	-	-18	124
6 Total Primary Energy Supply	7,451	-	27,072	1,345	2,351	-	-	-425	203
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-5,057	-	-25,636	22,271	7,411	-	-	581	9,209
8.1 Main Activity Producer	-5,057	-	-	-546	-	-	-	-	-272
8.2 Autoproducers	-	-	-	-123	-	-	-	-	-123
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-25,636	22,940	7,411	-	-	581	9,604
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	-1,154	-	-1,437	-831	126	-	-	-71	-157
11 Total Final Energy Consumption	1,239	-	-	22,785	9,889	-	-	85	9,255
12 Industry Sector	1,239	-	-	5,326	8	-	-	33	3,736
13 Transport Sector	-	-	-	15,317	9,878	-	-	-	5,435
14 Other Sector	-	-	-	1,437	3	-	-	51	84
14.1 Residential & Commercial	-	-	-	1,431	-	-	-	51	-
14.2 Agriculture	-	-	-	87	3	-	-	-	84
14.3 Other	-	-	-	-81	-	-	-	-	-
15 Non-energy	-	-	-	706	-	-	-	-	-

Energy Balance Table of Malaysia in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	107	-	37,026	-	-	-	-	-	-
2 Import	5,268	-	7,921	7,221	2,521	-	59	36	1,530
3 Export	-36	-	-18,747	-8,972	-44	-	-570	-984	-1,955
4 International Marine Bunkers	-	-	-	-72	-	-	-	-	-47
5 Stock Changes	378	-	242	434	66	-	19	22	234
6 Total Primary Energy Supply	5,717	-	26,442	-1,389	2,543	-	-492	-926	-238
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-4,104	-	-25,449	23,010	4,584	-	2,367	1,017	8,655
8.1 Main Activity Producer	-4,104	-	-	-629	-	-	-	-	-340
8.2 Autoproducers	-	-	-	-170	-	-	-	-	-170
8.3 Gas Processing	-	-	-	1,233	-	-	-	34	103
8.4 Petroleum Refineries	-	-	-25,449	22,576	4,584	-	2,367	983	9,062
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-261	-	-	-	-	-
10. Discrepancy	-401	-	-993	-184	233	-	-23	2	123
11 Total Final Energy Consumption	1,212	-	-	21,176	7,360	-	1,852	93	8,540
12 Industry Sector	1,212	-	-	4,812	5	-	-	28	3,426
13 Transport Sector	-	-	-	14,226	7,352	-	1,852	-	5,019
14 Other Sector	-	-	-	1,408	3	-	-	65	95
14.1 Residential & Commercial	-	-	-	1,310	-	-	-	65	-
14.2 Agriculture	-	-	-	98	3	-	-	-	95
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	730	-	-	-	-	-

Energy Balance Table of Malaysia in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	520	-	-	336	49,046	501	-	-	-	-	-	89,520	
2,397	280	-	-	866	848	-	-	-	-	-	-	25,063	
-2,529	-257	-	-	-2,608	-25,970	-	-	-	-	-	-	-54,270	
-34	-	-1	-	-	-	-	-	-	-	-	-	-100	
34	55	-	-	158	-	-	-	-	-	-	-	80	
-132	598	-1	-	-1,248	23,924	501	-	-	-	-	-	60,293	
-	-	-	-	-	-	-	-	-	-	-	-	-	
1,538	896	183	-	2,453	-22,163	-501	-	-	-	6,811	-	-24,275	
-274	-	-	-	-	-9,549	-501	-	-	-	6,632	-	-9,021	
-	-	-	-	-	-532	-	-	-	-	179	-	-476	
-	-	-	-	-	-12,082	-	-	-	-	-	-	-12,082	
1,812	896	183	-	2,453	-	-	-	-	-	-	-	-2,696	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-134	-	-134	
56	-34	-171	-	-580	4,117	-	-	-	-	-39	-	656	
1,462	1,460	10	-	626	5,877	-	-	-	-	6,638	-	36,539	
1,196	342	10	-	-	4,471	-	-	-	-	3,340	-	14,375	
4	-	-	-	-	49	-	-	-	-	-	-	15,365	
262	1,037	-	-	-	21	-	-	-	-	3,298	-	4,756	
262	1,118	-	-	-	21	-	-	-	-	3,298	-	4,750	
-	-	-	-	-	-	-	-	-	-	-	-	87	
-	-81	-	-	-	-	-	-	-	-	-	-	-81	
-	81	-	-	626	1,337	-	-	-	-	-	-	2,043	

Energy Balance Table of Malaysia in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	46,123	435	-	-	-	-	-	83,691	
1,604	664	-	-	807	1,501	-	-	-	-	-	-	21,911	
-1,728	-762	-	-	-2,929	-20,367	-	-	-	-	-17	-	-48,139	
-25	-	-	-	-	-	-	-	-	-	-	-	-72	
-15	12	-	-	96	-	-	-	-	-	-	-	1,054	
-164	-86	-	-	-2,026	27,257	435	-	-	-	-17	-	58,445	
-	-	-	-	-	-	-	-	-	-	-	-	-	
1,474	1,722	262	-	2,929	-20,337	-435	-	-	-	6,748	-	-20,567	
-289	-	-	-	-	-10,893	-435	-	-	-	6,569	-	-9,492	
-	-	-	-	-	-469	-	-	-	-	179	-	-460	
-	790	-	-	306	-8,975	-	-	-	-	-	-	-7,742	
1,763	932	262	-	2,623	-	-	-	-	-	-	-	-2,873	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-2	-2	-257	-	-	-725	-	-	-	-	-183	-	-1,169	
-53	-197	2	-	-271	-309	0	-	-	-	-235	-	-2,122	
1,255	1,437	7	-	632	5,886	-	-	-	-	6,313	-	34,587	
968	378	7	-	-	4,207	-	-	-	-	3,242	-	13,473	
3	-	-	-	-	40	-	-	-	-	5	-	14,271	
284	961	-	-	-	23	-	-	-	-	3,066	-	4,497	
284	961	-	-	-	23	-	-	-	-	3,066	-	4,399	
-	-	-	-	-	-	-	-	-	-	-	-	98	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	98	-	-	632	1,616	-	-	-	-	-	-	2,346	

Major Energy Indicators of Malaysia

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	10,553	14,110	16,130	16,314	17,174	18,992	20,972	25,630	28,672
Indigenous Production	16,072	32,137	38,280	39,167	41,881	45,139	46,529	50,738	52,336
Import	6,752	6,731	6,543	6,478	6,483	8,485	9,708	10,190	9,406
Export	-11,759	-24,945	-28,728	-29,066	-31,186	-34,545	-35,090	-35,073	-34,225
Final Energy Consumption	6,385	8,612	9,368	9,983	10,456	11,848	13,146	14,563	16,185
Industry	2,870	3,489	3,430	3,709	3,722	4,704	5,276	5,809	6,455
Transport	2,398	3,377	3,726	3,929	4,278	4,684	5,386	5,806	6,226
Residential & Commercial	826	1,123	1,233	1,297	1,435	1,495	1,646	1,747	1,891
Agriculture	-	-	-	-	-	-	-	130	391
Coal, Coal Products									
Primary Energy Supply	53	362	268	327	260	1,158	1,355	1,532	1,587
Indigenous Production	-	-	-	-	15	76	70	126	53
Import	53	362	268	327	260	1,093	1,424	1,407	1,485
Export	-	-	-	-	-15	-11	-28	-66	-60
Transformation Sector	-	-	-	-	-71	-602	-813	-963	-968
Power Generation	-	-	-	-	-71	-602	-813	-963	-968
Final Energy Consumption	53	362	268	327	189	595	513	599	672
Industry	53	362	268	327	189	595	513	599	672
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	5,783	7,320	7,551	7,680	8,372	8,777	10,024	10,244	10,481
Indigenous Production	13,707	22,187	24,979	24,742	26,923	28,967	30,629	31,843	32,264
Import	4,034	2,302	2,113	1,892	2,012	1,901	2,244	2,044	1,409
Export	-11,619	-17,338	-19,683	-18,784	-20,593	-22,090	-22,949	-23,444	-23,374
Transformation Sector	-5,901	-7,579	-7,548	-7,806	-8,449	-8,752	-9,980	-10,243	-10,425
Petroleum Refineries	-5,901	-7,579	-7,548	-7,806	-8,449	-8,752	-9,980	-10,243	-10,425
Petroleum Products									
Primary Energy Supply	2,353	2,131	1,798	1,739	1,789	1,444	2,454	3,365	4,850
Import	2,658	4,062	4,162	4,259	4,211	5,490	6,031	6,728	6,499
Export	-132	-1,949	-2,257	-2,425	-2,388	-3,960	-3,413	-3,272	-2,513
Transformation Sector	3,347	5,011	5,393	5,791	6,153	7,012	7,425	7,737	7,382
Power Generation	-2,346	-2,519	-2,452	-2,269	-2,284	-2,207	-2,989	-2,851	-2,512
Petroleum Refineries	5,693	7,530	7,845	8,060	8,437	9,219	10,414	10,588	9,502
Final Energy Consumption	5,550	6,656	6,880	7,271	7,816	8,635	9,825	10,914	11,927
Industry	2,432	2,402	2,242	2,437	2,536	2,996	3,481	3,786	3,967
Transport	2,398	3,377	3,726	3,929	4,278	4,684	5,386	5,806	6,226
Residential & Commercial	429	472	513	528	612	642	729	725	778
Agriculture	-	-	-	-	-	-	-	130	391
Natural Gas									
Primary Energy Supply	2,237	3,971	6,162	6,147	6,271	7,181	6,801	10,112	11,381
Indigenous Production	2,245	9,629	12,950	14,002	14,455	15,645	15,487	18,390	19,644
Import	-	-	-	-	-	-	-	-	-
Export	-8	-5,658	-6,788	-7,855	-8,184	-8,464	-8,686	-8,278	-8,263
Transformation Sector	-33	-1,659	-1,550	-1,797	-2,048	-2,135	-2,397	-5,499	-6,400
Power Generation	-33	-539	-703	-818	-990	-1,004	-1,361	-2,533	-3,144
Final Energy Consumption	35	515	1,056	1,132	1,058	1,070	1,093	1,125	1,368
Industry	1	250	413	387	367	373	452	487	679
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	34	47	63	74	60	45	32	34	32
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	864	1,285	1,387	1,498	1,664	1,850	1,979	2,283	2,521
Thermal	744	964	1,036	1,075	1,176	1,399	1,636	1,904	2,146
Hydro	120	321	351	423	488	451	343	379	375
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	747	1,079	1,164	1,253	1,393	1,548	1,715	1,925	2,218
Industry	384	475	507	558	630	740	830	937	1,137
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	363	604	657	695	763	808	885	988	1,081
Agriculture	-	-	-	-	-	-	-	-	-

Major Energy Indicators of Malaysia (Continued)

												ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
30,958	31,375	33,390	37,873	44,403	41,905	41,893	51,492	51,220	52,995	58,445	60,293	
54,173	56,516	62,388	68,635	72,863	73,655	72,439	79,473	77,264	80,519	83,691	89,520	
12,269	11,000	11,128	11,615	14,773	13,060	13,122	16,271	18,692	17,979	21,911	25,063	
-35,264	-35,400	-39,423	-42,384	-42,913	-43,714	-41,829	-43,637	-44,766	-45,199	-48,139	-54,270	
17,729	19,287	22,164	24,182	26,168	25,558	27,228	29,697	31,516	33,289	34,587	36,539	
7,012	7,283	8,060	9,443	10,106	10,122	10,239	11,401	11,853	12,853	13,473	14,375	
6,557	7,262	7,827	8,951	10,201	9,793	11,393	12,070	13,138	13,441	14,271	15,365	
2,070	2,503	2,837	3,557	3,072	3,313	3,653	3,867	4,047	4,386	4,399	4,750	
62	422	446	486	490	307	106	104	98	95	98	87	
1,352	1,563	1,612	2,053	1,569	1,660	1,376	2,308	2,911	4,133	5,717	7,451	
264	89	85	153	153	221	174	242	344	223	107	229	
1,158	1,351	1,588	1,938	1,446	1,529	1,321	1,943	2,665	3,442	5,268	7,118	
-70	-40	-50	-15	-9	-7	-8	-19	-34	-37	-36	-81	
-884	-925	-957	-950	-882	-964	-1,332	-1,495	-1,994	-2,556	-4,104	-5,057	
-884	-925	-957	-950	-882	-964	-1,332	-1,495	-1,994	-2,556	-4,104	-5,057	
487	598	712	727	740	767	608	991	977	1,086	1,212	1,239	
487	598	712	727	740	767	608	991	977	1,086	1,212	1,239	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
13,573	14,983	17,476	19,834	21,347	18,963	17,946	24,137	24,226	23,066	26,442	27,072	
32,218	32,798	35,090	35,744	35,600	35,784	32,835	33,835	32,851	34,838	37,026	38,713	
3,265	2,140	2,116	2,571	2,989	2,171	3,444	7,709	9,146	7,317	7,921	8,123	
-21,766	-19,726	-19,833	-18,315	-17,322	-18,640	-18,355	-17,254	-18,018	-18,100	-18,747	-19,321	
-11,697	-14,179	-16,960	-19,380	-19,605	-17,289	-18,944	-22,164	-23,846	-22,881	-25,449	-25,636	
-11,697	-14,179	-16,960	-19,380	-19,605	-17,289	-18,944	-22,164	-23,846	-22,881	-25,449	-25,636	
4,252	1,872	-191	-26	2,112	1,764	418	-1,922	-2,172	-758	-1,389	1,345	
7,835	7,492	7,411	7,095	10,331	9,360	8,357	6,619	6,881	7,220	7,221	8,974	
-3,507	-5,094	-7,261	-7,317	-7,840	-7,194	-7,161	-8,533	-8,900	-8,158	-8,972	-8,898	
8,576	12,783	16,669	17,369	15,553	15,675	17,898	21,634	23,473	21,433	23,010	22,271	
-2,475	-2,206	-2,338	-2,638	-2,667	-2,584	-1,301	-966	-1,167	-2,011	-799	-669	
10,483	13,803	16,686	18,451	16,573	16,733	17,727	20,954	22,817	21,495	22,576	22,940	
13,076	13,894	16,142	17,203	18,578	17,488	18,782	19,581	20,324	20,638	21,176	22,785	
4,670	4,634	4,945	5,490	5,870	5,514	5,149	5,278	5,009	4,884	4,812	5,326	
6,557	7,257	7,822	8,945	10,194	9,788	11,389	12,059	13,121	13,409	14,226	15,317	
900	927	999	1,407	1,103	1,138	1,419	1,398	1,373	1,512	1,310	1,431	
62	422	446	486	490	307	106	104	98	95	98	87	
11,360	12,392	13,960	15,567	19,041	19,101	21,506	26,370	25,648	26,101	27,257	23,924	
21,272	23,068	26,678	32,292	36,777	37,233	38,783	44,797	43,462	45,002	46,123	49,046	
-	-	-	-	-	-	-	-	-	-	1,501	848	
-9,912	-10,527	-12,264	-16,725	-17,736	-17,873	-16,305	-17,831	-17,814	-18,901	-20,367	-25,970	
-8,360	-10,666	-12,258	-13,060	-16,080	-15,608	-18,349	-20,971	-21,485	-20,321	-20,337	-22,163	
-4,374	-5,119	-6,414	-7,489	-7,531	-9,158	-10,650	-12,110	-12,417	-12,552	-11,362	-10,082	
1,716	1,863	1,935	2,475	2,466	2,726	3,023	3,862	4,621	5,643	5,886	5,877	
552	484	577	1,197	1,074	1,430	1,891	2,327	2,937	3,824	4,207	4,471	
-	5	5	5	6	4	-	7	14	28	40	49	
23	211	289	403	8	10	14	16	14	15	23	21	
-	-	-	-	-	-	-	-	-	-	-	-	
2,987	3,362	3,909	4,421	4,977	5,220	5,609	5,952	6,112	6,384	6,748	6,811	
2,568	2,801	3,374	3,975	4,644	4,803	4,962	5,353	5,505	5,928	6,313	6,310	
419	561	535	446	333	417	647	599	607	456	435	501	
-	-	-	-	-	-	-	-	-	-	-	-	
2,450	2,932	3,375	3,777	4,384	4,577	4,815	5,263	5,594	5,922	6,313	6,638	
1,303	1,567	1,826	2,029	2,422	2,411	2,591	2,805	2,930	3,059	3,242	3,340	
-	-	-	1	1	1	4	4	3	4	5	-	
1,147	1,365	1,549	1,747	1,961	2,165	2,220	2,453	2,660	2,859	3,066	3,298	
-	-	-	-	-	-	-	-	-	-	-	-	

Major Economic Indicators of Malaysia

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	13.76	15.68	16.09	16.51	16.94	17.38	17.85	18.32
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	25.44	32.63	33.00	34.78	38.24	41.70	45.46	49.80
Real Term (Billions of 2000 Price and 2000 PPP)	58.67	75.25	76.12	80.22	88.20	96.19	104.85	114.86
Nominal (Billions of Current USD)	24.94	31.77	28.24	32.18	35.27	38.85	44.02	49.13
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	1,848	2,081	2,051	2,107	2,257	2,399	2,547	2,718
Real Term (2000 Price and 2000 PPP)	4,263	4,800	4,731	4,859	5,207	5,533	5,876	6,268
Nominal (Current USD)	1,812	2,027	1,755	1,949	2,082	2,235	2,467	2,681
Nominal GDP & its Components (Billions of Current MYR) *1								
Gross Domestic Product	54.29	78.89	72.91	81.08	92.37	105.23	119.08	135.12
Household Final Consumption Expenditure, etc.	27.93	41.76	37.83	39.06	45.44	52.62	61.69	70.50
General Government Final Consumption Expenditure	8.68	11.67	11.95	12.06	13.15	14.80	16.43	18.50
Gross Fixed Capital Formation	16.26	22.65	18.48	17.90	22.73	30.60	39.35	49.13
Stock Change	-1.38	-3.05	-1.42	-0.98	-0.98	-0.98	-0.81	1.94
Exports of Goods and Services	30.77	42.67	40.43	51.00	61.35	75.11	88.76	105.16
Imports of Goods and Services	29.46	38.72	36.09	39.75	51.92	68.73	86.24	110.11
Real GDP & its Components (Billions of 1987 MYR) *1								
Gross Domestic Product	59.30	76.06	76.94	81.08	89.14	97.22	105.98	116.09
Household Final Consumption Expenditure, etc.	35.55	42.53	38.27	39.06	43.66	49.47	55.35	60.36
General Government Final Consumption Expenditure	9.66	11.74	11.89	12.06	12.95	13.43	14.22	15.89
Gross Fixed Capital Formation	17.87	22.95	18.73	17.90	22.06	28.24	35.89	43.91
Stock Change	0.30	-0.75	0.48	0.81	1.51	0.75	-0.70	1.66
Exports of Goods and Services	28.26	39.82	44.52	51.00	56.56	65.15	76.76	88.86
Imports of Goods and Services	31.16	39.18	36.65	39.75	47.59	59.82	75.54	94.59
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	21.0	19.1	19.7	20.0	18.6	17.9	16.1	14.9
Industry	36.1	37.2	38.3	38.5	39.6	39.5	40.2	40.8
Services, etc.	42.8	43.8	42.0	41.5	41.7	42.6	43.6	44.4
Industrial Production Index (2000=100) *2	17.1	23.7	25.9	28.1	32.1	35.9	40.2	44.7
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	12.958	15.442	13.753	17.939	21.110	25.053	29.452	34.349
Imports, c.i.f.	10.820	12.301	10.823	12.701	16.551	22.496	29.258	36.648
Balance of Payments (Billions of Current USD) *2								
Trade Balance	2.393	3.573	3.214	5.783	5.427	4.277	2.525	0.391
Current Account	-0.266	-0.600	-0.101	2.575	1.867	0.315	-0.870	-4.183
Overall Balance	0.464	1.148	1.461	1.139	-0.458	1.235	1.951	1.236
Foreign Exchange Rate (MYR/USD) *1	2.1769	2.4830	2.5814	2.5196	2.6188	2.7088	2.7049	2.7501
Purchasing Power Parity (MYR/International Dollar) *1	1.8052	1.5275	1.3715	1.4155	1.4277	1.4353	1.4551	1.4445
Price Indices								
GDP Deflator (1987=100) *3	91.5	103.7	94.8	100.0	103.6	108.2	112.4	116.4
Producer Price Index (2000=100) *2	#N/A	66.8	62.6	65.0	69.7	72.4	73.0	76.0
Consumer Price Index (2000=100) *2	51.4	64.5	65.0	65.2	66.9	68.8	70.6	73.6
Growth Rate (%) *3								
Real GDP	7.44	-1.12	1.15	5.39	9.94	9.06	9.01	9.55
Population	2.45	2.66	2.63	2.61	2.60	2.62	2.66	2.68
Price								
Producer Price Index	#N/A	-2.1	-6.2	3.7	7.3	3.8	0.9	4.0
Consumer Price Index	6.7	0.3	0.7	0.3	2.6	2.8	2.6	4.4

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. shows "not available"

: MYR shows Malaysian Ringgit, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Malaysia (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
18.82	19.32	19.84	20.36	20.89	21.43	21.96	22.49	23.00	23.49	23.97	24.44	24.89
54.22	59.59	65.08	71.47	78.62	84.38	78.17	82.97	90.32	90.61	94.55	99.67	106.79
125.06	137.44	150.10	164.85	181.34	194.62	180.30	191.37	208.32	208.98	218.08	229.89	246.31
59.15	66.89	74.48	88.83	100.85	100.17	72.18	79.15	90.32	88.00	95.27	103.95	118.32
2,882	3,084	3,280	3,510	3,763	3,938	3,560	3,690	3,927	3,857	3,944	4,079	4,290
6,646	7,113	7,566	8,096	8,680	9,083	8,210	8,511	9,058	8,896	9,098	9,408	9,894
3,143	3,462	3,754	4,363	4,827	4,675	3,287	3,520	3,927	3,746	3,974	4,254	4,753
150.68	172.19	195.46	222.47	253.73	281.80	283.24	300.76	343.22	334.40	362.01	395.02	449.61
75.75	83.14	94.09	106.61	116.79	127.78	117.72	125.06	145.35	150.64	159.51	172.37	192.77
19.60	21.75	23.97	27.53	28.18	30.34	27.67	33.04	35.68	42.27	49.52	54.91	59.32
55.19	66.94	78.66	96.97	107.82	121.49	75.98	65.84	87.73	83.34	83.76	87.09	91.82
-1.91	0.54	1.87	0.12	-2.58	-0.40	-0.43	1.48	5.98	-3.34	3.10	-1.81	10.01
114.49	135.90	174.25	209.32	232.36	262.88	327.84	364.86	427.00	389.26	415.04	447.85	544.96
112.45	136.07	177.39	218.08	228.84	260.31	265.54	289.51	358.53	327.77	348.92	365.38	449.26
126.41	138.92	151.71	166.63	183.29	196.71	182.24	193.42	210.56	211.23	220.42	232.36	248.95
63.17	67.12	73.42	81.98	87.61	91.39	82.03	84.38	95.37	97.63	101.95	108.72	120.18
16.67	18.08	19.50	20.68	20.83	22.02	20.06	23.48	23.87	28.01	30.93	34.48	36.56
48.74	57.41	66.67	81.89	88.62	96.74	55.18	51.57	65.19	63.05	63.25	64.96	67.00
-1.61	0.45	-1.49	0.09	-1.90	-0.28	-0.23	1.25	3.38	-1.28	3.20	-1.27	5.46
100.06	111.60	136.05	161.86	176.79	186.50	187.42	212.08	246.16	227.69	237.90	251.46	292.48
100.62	115.74	145.42	179.88	188.67	199.65	162.21	179.35	223.06	203.87	216.80	226.00	272.72
14.6	12.9	11.6	10.3	9.8	9.2	9.6	9.1	8.9	8.8	8.6	8.7	8.5
40.2	40.7	41.3	43.3	45.0	45.1	43.5	44.6	46.5	44.6	44.5	45.2	45.6
45.1	46.4	47.1	46.5	45.2	45.8	46.9	46.4	44.6	46.7	46.8	45.3	45.9
48.6	53.3	59.7	67.5	74.9	82.9	77.0	83.9	100.0	95.9	100.3	109.6	122.0
40.772	47.131	58.844	73.914	78.327	78.740	73.305	84.455	98.229	88.005	94.058	104.968	126.503
39.855	45.650	59.600	77.691	78.418	79.030	58.319	64.966	81.963	73.866	79.869	83.618	105.287
3.150	3.037	1.577	-0.103	3.848	3.510	17.505	22.644	20.827	18.383	18.135	25.711	#VALUE!
-2.167	-2.991	-4.520	-8.644	-4.462	-5.935	9.529	12.604	8.488	7.287	7.190	13.381	#VALUE!
6.618	11.350	-3.160	-1.763	2.513	-3.875	10.018	4.712	-1.009	1.000	3.657	10.181	#VALUE!
2.5474	2.5741	2.6243	2.5044	2.5159	2.8132	3.9244	3.8000	3.8000	3.8000	3.8000	3.8000	3.8000
1.4418	1.4735	1.4997	1.5255	1.5523	1.5683	1.6820	1.6294	1.6475	1.5759	1.6243	1.6727	1.8190
119.2	124.0	128.8	133.5	138.4	143.3	155.4	155.5	163.0	158.3	164.2	170.0	180.6
76.8	77.9	81.7	86.2	88.2	90.5	100.3	97.0	100.0	95.0	99.2	104.8	114.4
77.1	79.9	82.8	85.7	88.7	91.1	95.9	98.5	100.0	101.4	103.3	104.3	105.9
8.89	9.89	9.21	9.83	10.00	7.32	-7.36	6.14	8.86	0.32	4.35	5.42	7.14
2.69	2.69	2.67	2.64	2.60	2.56	2.49	2.39	2.27	2.15	2.04	1.94	1.87
1.1	1.4	4.9	5.5	2.3	2.6	10.8	-3.3	3.1	-5.0	4.5	5.7	9.2
4.8	3.5	3.7	3.5	3.5	2.7	5.3	2.7	1.5	1.4	1.8	1.1	1.5

3.11 Mexico

Energy Balance Table of Mexico in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	4,749	-	195,021	-	-	-	-	-	-
2 Import	2,027	334	302	13,158	7,451	803	-	-	755
3 Export	-	-1	-107,168	-4,064	-3,169	-	-330	-	-393
4 International Marine Bunkers	-	-	-	-784	-	-	-	-	-688
5 Stock Changes	-373	396	-517	173	-10	-	23	2	56
6 Total Primary Energy Supply	6,404	729	87,639	8,483	4,273	803	-307	2	-271
7 Transfers	-	-	-12,855	14,080	3,174	-	61	-60	-
8 Total Transformation Sector	-6,324	487	-74,784	54,397	21,250	964	2,950	320	16,270
8.1 Main Activity Producer	-5,333	-	-	-15,916	-	-	-	-	-349
8.2 Autoproducers	-	-205	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-74,784	70,313	21,250	964	2,950	320	16,619
8.5 Coal Transformation	-991	693	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-20	-	-6,325	-327	-	-	-	-716
10. Discrepancy	0	-	0	-2,342	192	1	-137	3	-197
11 Total Final Energy Consumption	80	1,196	-	68,293	28,560	1,768	2,567	265	15,086
12 Industry Sector	80	1,196	-	5,892	-	-	-	19	1,131
13 Transport Sector	-	-	-	44,447	28,560	-	2,567	7	11,798
14 Other Sector	-	-	-	11,365	-	-	-	239	2,157
14.1 Residential & Commercial	-	-	-	9,098	-	-	-	239	84
14.2 Agriculture	-	-	-	2,267	-	-	-	-	2,073
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	6,590	-	1,768	-	-	-

Energy Balance Table of Mexico in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	4,608	-	185,826	-	-	-	-	-	-
2 Import	3,473	324	343	12,010	5,499	1,064	-	-	1,190
3 Export	-	-1	-102,022	-4,728	-2,937	-	-370	-	-149
4 International Marine Bunkers	-	-	-	-827	-	-	-	-	-743
5 Stock Changes	-471	295	452	659	470	-	2	-2	11
6 Total Primary Energy Supply	7,609	618	84,600	7,115	3,031	1,064	-367	-2	309
7 Transfers	-	-	-25,783	13,827	3,377	-	-	-	-
8 Total Transformation Sector	-7,471	301	-69,631	51,141	19,902	941	2,894	70	14,997
8.1 Main Activity Producer	-6,434	-	-	-17,342	-	-	-	-	-716
8.2 Autoproducers	-	-300	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-69,631	68,483	19,902	941	2,894	70	15,713
8.5 Coal Transformation	-1,036	601	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-20	-	-6,587	-291	-	-	-	-624
10. Discrepancy	-0	-	10,813	-1,039	880	-454	108	-33	-1,181
11 Total Final Energy Consumption	138	898	-	64,457	26,899	1,551	2,634	34	13,502
12 Industry Sector	138	898	-	5,864	-	-	-	2	952
13 Transport Sector	-	-	-	41,519	26,899	-	2,634	-	10,500
14 Other Sector	-	-	-	10,875	-	-	-	32	2,049
14.1 Residential & Commercial	-	-	-	8,697	-	-	-	31	80
14.2 Agriculture	-	-	-	2,179	-	-	-	1	1,970
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	6,199	-	1,551	-	-	-

Energy Balance Table of Mexico in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	35,496	2,168	2,396	5,734	8,308	-	-	253,873		
972	3,178	-	-	-	9,348	-	-	-	-	4	-	25,174		
-144	-9	-	-	-18	-	-	-	-	-	-87	-	-111,320		
-95	-	-	-	-1	-	-	-	-	-	-	-	-784		
4	61	-	-	36	-1,132	-	-	-	-	-	-	-1,452		
736	3,230	-	-	17	43,713	2,168	2,396	5,734	8,308	-82	-	165,491		
-	7,786	-	3,120	-	-	-	-	-	-	-	-	1,225		
4,678	1,193	2,952	-	3,819	-18,521	-2,168	-2,396	-5,661	-1,114	19,271	-	-36,812		
-15,567	-	-	-	-	-16,462	-2,157	-2,396	-5,657	-	17,942	-	-29,977		
-	-	-	-	-	-2,059	-11	-	-4	-1,114	1,328	-	-2,065		
-	-	-	-	-	-	-	-	-	-	-	-	-		
20,245	1,193	2,952	-	3,819	-	-	-	-	-	-	-	-4,470		
-	-	-	-	-	-	-	-	-	-	-	-	-299		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-1,961	-224	-2,952	-	-144	-8,890	-	-	-	-	-4,567	-	-19,802		
-1,107	-661	-	-	-436	-2,168	-0	-	0	-	-0	-	-4,511		
2,346	11,324	-	3,120	3,256	14,134	-	-	73	7,195	14,621	-	105,592		
2,252	919	-	-	1,571	10,230	-	-	-	1,023	8,749	-	27,170		
94	1,420	-	-	-	605	-	-	-	-	98	-	45,150		
-	8,969	-	-	-	1,055	-	-	73	6,172	5,774	-	24,440		
-	8,774	-	-	-	1,055	-	-	73	6,172	5,173	-	21,572		
-	194	-	-	-	-	-	-	-	-	601	-	2,868		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	16	-	3,120	1,685	2,243	-	-	-	-	-	-	8,832		

Energy Balance Table of Mexico in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	33,954	1,710	2,737	5,408	8,217	-	-	242,460		
1,101	3,156	-	-	-	8,064	-	-	-	-	7	-	24,222		
-1,170	-10	-	-	-92	-	-	-	-	-	-82	-	-106,833		
-84	-	-	-	-	-	-	-	-	-	-	-	-827		
173	2	-	-	3	-39	-	-	-	-	-	-	896		
20	3,148	-	-	-89	41,979	1,710	2,737	5,408	8,217	-74	-	159,917		
-	7,510	-	2,940	-	-	-	-	-	-	-	-	-11,956		
5,052	1,197	3,033	-	3,057	-16,495	-1,710	-2,737	-5,407	-1,087	18,737	-	-34,358		
-16,626	-	-	-	-	-14,752	-1,699	-2,737	-5,403	-	17,454	-	-30,914		
-	-	-	-	-	-1,743	-11	-	-4	-1,087	1,283	-	-1,861		
-	-	-	-	-	-	-	-	-	-	-	-	-		
21,678	1,197	3,033	-	3,057	-	-	-	-	-	-	-	-1,147		
-	-	-	-	-	-	-	-	-	-	-	-	-436		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-2,314	-182	-3,033	-	-144	-9,639	-182	-	-	-	-4,300	-	-20,547		
0	-399	-	-	41	-2,214	-	-	-0	-	-	-	7,561		
2,758	11,274	-	2,940	2,865	13,631	-	-	2	7,130	14,362	-	100,618		
2,758	971	-	-	1,181	9,886	-	-	-	998	8,556	-	26,340		
-	1,486	-	-	-	585	-	-	-	-	96	-	42,200		
-	8,794	-	-	-	996	-	-	2	6,132	5,710	-	23,715		
-	8,586	-	-	-	996	-	-	2	6,132	5,077	-	20,904		
-	208	-	-	-	-	-	-	-	-	633	-	2,811		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	24	-	2,940	1,683	2,164	-	-	-	-	-	-	8,362		

Major Energy Indicators of Mexico

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	97,158	109,215	108,508	114,698	116,206	122,251	124,183	129,515	131,817
Indigenous Production	149,022	192,211	181,499	190,144	188,572	190,024	195,229	202,718	201,908
Import	1,792	2,725	3,227	3,702	4,297	6,620	6,201	8,651	11,263
Export	-52,824	-82,145	-73,946	-76,280	-75,598	-72,003	-76,264	-81,189	-82,366
Final Energy Consumption	65,089	77,200	74,774	78,161	78,584	82,011	88,481	91,801	94,026
Industry	18,331	26,030	23,638	25,509	24,387	24,623	37,058	37,314	37,820
Transport	23,518	24,850	24,690	25,306	25,607	28,266	31,426	33,702	34,409
Residential & Commercial	12,963	14,864	14,913	15,359	15,566	15,879	17,008	17,753	18,826
Agriculture	2,288	2,206	2,191	2,348	2,455	2,298	2,298	2,331	2,267
Coal, Coal Products									
Primary Energy Supply	2,355	3,205	3,453	3,428	3,237	3,564	3,930	3,766	3,752
Indigenous Production	1,725	2,901	3,141	3,486	3,112	3,344	3,861	3,520	3,057
Import	642	579	336	115	143	185	240	75	485
Export	-50	-60	-16	-36	-84	-34	-7	-20	-
Transformation Sector	-777	-1,165	-1,911	-1,845	-2,088	-1,943	-2,216	-2,234	-2,107
Power Generation	-	-906	-1,469	-1,682	-1,842	-1,866	-1,906	-1,988	-1,887
Final Energy Consumption	1,549	1,625	1,550	1,662	1,639	1,610	1,620	1,434	1,595
Industry	1,549	1,612	1,550	1,660	1,637	1,591	1,620	1,434	1,595
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	58,310	67,010	63,467	67,359	67,859	69,377	82,743	84,895	84,722
Indigenous Production	102,752	142,807	132,276	139,067	137,914	138,044	154,075	161,126	160,920
Import	-	-	-	-	-	-	-	-	-
Export	-43,934	-75,453	-68,145	-71,450	-69,617	-67,921	-71,024	-76,346	-76,344
Transformation Sector	-53,022	-67,340	-63,977	-66,158	-66,632	-68,055	-69,836	-71,893	-71,353
Petroleum Refineries	-53,007	-63,633	-61,271	-63,492	-63,904	-65,323	-69,836	-71,893	-71,353
Petroleum Products									
Primary Energy Supply	-1,507	-4,913	-2,418	-1,426	-1,093	1,364	-36	1,505	3,327
Import	1,097	2,099	2,838	3,527	4,086	5,998	5,541	7,126	8,518
Export	-2,286	-6,612	-5,660	-4,618	-5,725	-3,882	-5,067	-4,649	-5,846
Transformation Sector	45,570	56,922	55,223	55,635	55,385	56,951	50,953	52,826	52,607
Power Generation	-9,784	-12,579	-13,384	-14,749	-15,339	-16,244	-16,121	-16,312	-15,973
Petroleum Refineries	48,726	59,384	57,145	58,749	58,377	60,052	67,074	69,138	68,580
Final Energy Consumption	39,064	47,103	46,415	48,193	48,837	52,308	56,735	58,856	61,271
Industry	5,251	7,065	6,536	7,186	6,555	7,406	15,752	15,248	16,202
Transport	23,481	24,794	24,628	25,241	25,539	28,199	31,357	33,633	34,334
Residential & Commercial	5,491	6,594	6,454	6,822	6,866	6,890	7,905	8,203	8,955
Agriculture	1,966	1,780	1,725	1,832	1,904	1,677	1,721	1,772	1,779
Natural Gas									
Primary Energy Supply	28,582	32,817	31,760	32,357	32,999	34,384	23,126	24,151	24,301
Indigenous Production	35,137	35,362	33,677	34,403	34,148	34,927	22,757	22,754	22,125
Import	-	35	44	49	53	385	370	1,397	2,176
Export	-6,555	-	-	-	-	-	-	-	-
Transformation Sector	-10,175	-9,635	-12,013	-12,401	-12,584	-14,756	-3,432	-4,034	-3,741
Power Generation	-2,837	-1,957	-2,548	-2,749	-2,557	-2,699	-3,432	-4,034	-3,741
Final Energy Consumption	12,840	14,971	12,812	13,865	13,502	13,003	14,164	15,001	14,524
Industry	7,532	12,245	10,211	10,817	10,354	9,547	13,354	14,133	13,629
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	470	633	709	685	720	774	810	868	895
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	5,320	7,339	7,684	8,280	8,761	9,465	10,675	11,060	11,342
Thermal	3,880	5,096	5,975	6,715	6,974	7,288	7,890	8,075	8,070
Hydro	1,439	2,243	1,709	1,565	1,786	2,081	2,019	1,879	2,251
Nuclear	-	-	-	-	-	97	765	1,105	1,021
Final Energy Consumption	4,497	6,051	6,261	6,658	7,039	7,611	8,617	8,850	9,094
Industry	2,458	3,383	3,459	3,724	3,963	4,256	4,592	4,488	4,543
Transport	37	56	61	65	68	66	69	69	75
Residential & Commercial	1,680	2,186	2,275	2,353	2,457	2,668	2,688	3,034	3,285
Agriculture	322	427	465	516	551	620	577	559	488

Major Energy Indicators of Mexico (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
132,160	136,493	132,418	136,399	141,076	147,662	150,520	150,764	155,901	155,505	159,917	165,491
204,964	205,418	202,612	213,668	223,615	229,149	224,636	227,804	234,003	237,211	242,460	253,873
10,247	11,359	8,915	9,156	14,982	16,842	19,467	24,544	22,472	24,251	24,222	25,174
-83,168	-78,268	-78,615	-85,642	-96,356	-97,965	-92,750	-98,488	-99,260	-104,151	-106,833	-111,320
93,208	96,153	94,591	94,257	96,638	99,284	96,831	100,726	98,416	99,780	100,618	105,592
35,616	37,056	36,741	37,587	38,923	39,614	38,417	38,995	36,067	36,152	34,703	36,002
35,920	36,853	35,394	34,299	35,062	36,340	36,287	38,126	38,714	39,892	42,200	45,150
19,372	20,107	20,100	19,962	20,101	20,785	19,333	20,789	20,890	21,094	20,904	21,572
2,300	2,138	2,356	2,409	2,553	2,546	2,793	2,817	2,746	2,642	2,811	2,868
4,345	5,115	5,722	6,563	6,645	6,949	7,064	7,170	7,536	7,684	8,226	7,133
3,319	4,439	4,599	5,083	5,183	5,696	5,208	5,745	5,748	5,506	4,608	4,749
544	565	783	831	1,095	1,105	1,531	1,790	2,006	3,191	3,796	2,362
-3	-1	-1	-9	-1	-2	-40	-4	-5	-2	-1	-1
-2,707	-3,291	-3,721	-4,408	-4,335	-4,607	-5,597	-5,654	-6,387	-6,607	-7,170	-5,837
-2,409	-3,007	-3,456	-4,134	-4,093	-4,407	-4,844	-4,908	-5,741	-6,077	-6,734	-5,538
1,611	1,786	1,948	2,105	2,259	2,292	1,419	1,458	1,110	1,014	1,036	1,276
1,611	1,786	1,948	2,105	2,259	2,292	1,419	1,458	1,110	1,014	1,036	1,276
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
86,372	89,003	84,236	80,901	80,278	82,932	85,417	78,608	84,710	83,730	84,600	87,639
161,340	161,266	156,626	163,652	172,396	175,347	170,216	172,644	179,004	181,864	185,826	195,021
-	-	-	-	-	-	462	337	295	391	343	302
-74,827	-72,509	-72,197	-81,795	-91,678	-92,704	-84,724	-93,443	-94,595	-98,797	-102,022	-107,168
-73,251	-75,509	-72,131	-68,389	-68,554	-71,069	-72,059	-66,669	-67,849	-69,339	-69,631	-74,784
-73,251	-75,509	-72,131	-68,389	-68,554	-71,069	-72,059	-66,669	-67,849	-69,339	-69,631	-74,784
435	1,861	-107	3,606	7,415	8,601	8,719	13,324	11,485	8,290	7,115	8,483
8,787	9,657	6,598	7,507	12,837	14,377	16,178	19,955	17,000	14,641	12,010	13,158
-8,124	-5,424	-6,066	-3,417	-4,329	-4,972	-6,792	-4,821	-4,432	-5,283	-4,728	-4,064
54,213	53,879	53,048	47,450	44,636	45,496	46,793	41,990	43,970	46,687	51,141	54,397
-16,178	-19,284	-16,886	-17,399	-19,978	-22,048	-21,618	-22,951	-21,886	-19,679	-17,342	-15,916
70,391	73,164	69,935	64,849	64,613	67,545	68,411	64,941	65,855	66,366	68,483	70,313
61,069	62,436	59,290	57,692	58,683	60,126	59,232	62,991	62,997	63,001	64,457	68,293
14,831	14,999	13,079	12,756	12,862	12,667	13,145	14,088	13,722	12,591	12,063	12,481
35,127	36,015	34,656	33,608	34,410	35,596	35,663	37,396	38,007	39,209	41,519	44,447
9,320	9,848	9,776	9,567	9,515	9,983	8,319	9,371	9,160	9,172	8,697	9,098
1,791	1,574	1,780	1,761	1,895	1,880	2,106	2,137	2,108	2,029	2,179	2,267
24,717	25,438	25,361	27,786	28,831	31,460	30,961	33,521	34,505	38,337	41,979	43,713
23,920	24,566	24,112	27,398	28,255	30,510	30,896	31,350	31,590	32,394	33,954	35,496
837	1,039	1,434	699	896	1,231	1,239	2,370	3,143	5,981	8,064	9,348
-40	-166	-185	-311	-319	-280	-1,183	-204	-205	-38	-	-
-4,497	-5,075	-5,356	-5,709	-6,093	-7,008	-7,274	-8,979	-10,390	-13,525	-16,495	-18,521
-4,497	-5,075	-5,356	-5,709	-6,093	-7,008	-7,274	-8,979	-10,390	-13,525	-16,495	-18,521
13,602	14,545	15,242	15,593	15,771	16,821	15,958	15,154	12,981	14,097	13,631	14,134
12,032	13,002	13,820	14,144	14,357	15,377	14,666	13,735	11,525	12,578	12,050	12,473
716	757	654	605	565	657	537	638	611	587	585	605
854	786	768	843	848	787	754	781	845	932	996	1,055
-	-	-	-	-	-	-	-	-	-	-	-
12,074	13,047	13,544	14,469	15,557	15,587	16,331	17,513	17,988	18,458	18,737	19,271
8,533	10,218	8,977	9,712	10,560	11,055	10,905	12,522	13,263	13,772	14,290	14,707
2,256	1,724	2,367	2,704	2,273	2,118	2,819	2,849	2,451	2,146	1,710	2,168
1,285	1,105	2,200	2,053	2,725	2,414	2,607	2,142	2,274	2,540	2,737	2,396
9,137	9,882	10,279	11,018	11,843	12,348	13,040	13,944	14,035	14,390	14,362	14,621
5,089	5,546	5,888	6,593	7,262	7,519	7,982	8,551	8,472	8,786	8,556	8,749
77	81	84	85	86	86	87	92	96	96	96	98
3,462	3,692	3,732	3,691	3,838	4,077	4,283	4,621	4,829	4,896	5,077	5,173
509	563	575	649	658	666	688	679	638	612	633	601

Major Economic Indicators of Mexico

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	67.57	75.47	77.02	78.57	80.12	81.67	83.23	84.79
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	345.56	380.38	366.10	372.89	377.54	393.39	413.33	430.78
Real Term (Billions of 2000 Price and 2000 PPP)	527.45	580.59	558.80	569.17	576.26	600.45	630.88	657.52
Nominal (Billions of Current USD)	194.77	184.49	129.45	140.27	183.14	222.98	262.71	314.45
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	5,114	5,040	4,754	4,746	4,712	4,817	4,966	5,080
Real Term (2000 Price and 2000 PPP)	7,806	7,694	7,256	7,244	7,193	7,352	7,580	7,754
Nominal (Current USD)	2,883	2,445	1,681	1,785	2,286	2,730	3,157	3,708
Nominal GDP & its Components (Billions of Current MXN) *1								
Gross Domestic Product	4.47	47.39	79.19	193.31	416.31	548.86	738.90	949.15
Household Final Consumption Expenditure, etc.	2.91	30.57	54.21	127.27	281.57	377.91	514.12	669.16
General Government Final Consumption Expenditure	0.45	4.37	7.21	17.00	35.03	45.38	61.95	86.16
Gross Fixed Capital Formation	1.11	9.05	15.41	35.67	77.11	94.67	132.11	177.04
Stock Change	0.11	0.99	-0.73	1.57	16.81	31.25	38.88	44.38
Exports of Goods and Services	0.48	7.31	13.73	37.69	82.96	104.27	137.44	155.33
Imports of Goods and Services	0.58	4.90	10.64	25.88	77.17	104.62	145.60	182.92
Real GDP & its Components (Billions of 1993 MXN) *1								
Gross Domestic Product	953.81	1,049.91	1,010.50	1,029.25	1,042.07	1,085.82	1,140.85	1,189.02
Household Final Consumption Expenditure, etc.	679.51	718.28	699.72	698.78	711.45	763.27	812.34	850.34
General Government Final Consumption Expenditure	94.53	117.50	119.24	117.81	119.32	121.94	126.01	132.84
Gross Fixed Capital Formation	219.09	174.43	153.85	153.67	162.55	171.90	194.46	215.83
Stock Change	47.63	23.61	5.69	14.99	25.87	19.49	19.04	18.89
Exports of Goods and Services	75.75	119.32	124.68	136.51	144.38	152.55	160.64	168.79
Imports of Goods and Services	144.42	91.46	84.52	88.87	121.50	143.33	171.63	197.68
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	6.4	6.6	6.7	6.7	6.3	6.1	6.1	6.0
Industry	25.1	24.1	23.7	24.0	24.3	24.7	25.1	24.9
Services, etc.	59.1	60.6	61.6	61.3	61.4	61.2	60.7	61.1
Industrial Production Index (2000=100) *2	56.6	59.8	56.3	57.9	59.5	63.1	67.4	69.6
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	18.031	26.757	21.804	27.600	30.691	35.171	40.711	42.688
Imports, c.i.f.	22.144	19.116	17.573	19.697	29.402	36.400	43.548	52.315
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-3.056	8.399	5.019	8.786	2.611	0.405	-0.881	-7.279
Current Account	-10.422	0.800	-1.377	4.247	-2.374	-5.825	-7.451	-14.888
Overall Balance	0.817	-2.729	-0.481	4.134	-10.062	-0.211	2.218	7.973
Foreign Exchange Rate (MXN/USD) *1	0.0230	0.2569	0.6118	1.3782	2.2731	2.4615	2.8126	3.0184
Purchasing Power Parity (MXN/International Dollar) *1	0.0166	0.1220	0.2001	0.4778	0.9317	1.1411	1.4149	1.6971
Price Indices								
GDP Deflator (1993=100) *3	0.5	4.5	7.8	18.8	39.9	50.5	64.8	79.8
Wholesale Price Index (2000=100) *2	0.3	1.6	3.1	7.4	15.2	16.9	20.6	25.1
Consumer Price Index (2000=100) *2	0.1	1.3	2.5	5.7	12.2	14.7	18.6	22.8
Growth Rate (%)								
Real GDP *3	9.23	2.59	-3.75	1.86	1.25	4.20	5.07	4.22
Population *3	2.51	2.10	2.06	2.01	1.97	1.94	1.91	1.88
Price *2								
Wholesale Price Index	24.5	56.6	86.7	141.4	105.3	11.5	21.7	21.6
Consumer Price Index	26.4	57.7	86.2	131.8	114.2	20.0	26.7	22.7

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. shows "not available"

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

: PPP shows Purchasing Power Parity

Major Economic Indicators of Mexico (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
86.37	87.95	89.55	91.15	92.57	93.93	95.25	96.58	97.97	99.38	100.82	102.29	103.80
446.41	455.12	475.41	445.85	468.76	500.52	525.08	545.42	581.43	580.52	585.32	593.55	619.45
681.38	694.67	725.64	680.52	715.50	763.98	801.46	832.50	887.46	886.07	893.40	905.97	945.50
363.61	403.19	421.72	286.70	332.91	401.48	421.21	481.20	581.43	622.09	649.08	639.08	676.50
5,169	5,175	5,309	4,892	5,064	5,329	5,513	5,647	5,935	5,842	5,806	5,803	5,968
7,889	7,898	8,104	7,466	7,729	8,134	8,414	8,619	9,059	8,916	8,861	8,857	9,109
4,210	4,584	4,710	3,146	3,596	4,274	4,422	4,982	5,935	6,260	6,438	6,248	6,518
1,125.33	1,256.20	1,423.36	1,840.43	2,529.91	3,179.12	3,848.22	4,600.49	5,497.74	5,811.78	6,267.47	6,894.99	7,634.93
808.12	903.17	1,016.13	1,232.00	1,646.26	2,042.08	2,593.35	3,084.14	3,682.55	4,044.88	4,326.51	4,731.20	5,227.00
111.75	138.56	164.16	191.98	243.71	314.62	399.96	506.46	612.62	683.38	759.87	855.75	890.46
220.55	233.18	274.86	296.71	451.08	619.49	804.00	973.80	1,174.30	1,161.95	1,205.94	1,304.89	1,541.00
41.56	30.60	36.74	70.80	136.81	206.31	133.28	110.31	134.76	53.44	91.72	114.95	84.01
171.48	191.54	238.96	558.80	811.51	962.22	1,180.39	1,414.34	1,704.08	1,598.52	1,678.38	1,919.36	2,295.73
228.12	240.86	307.49	509.86	759.45	965.61	1,262.76	1,488.56	1,810.58	1,730.39	1,794.95	2,031.15	2,438.82
1,232.16	1,256.20	1,312.20	1,230.61	1,293.86	1,381.53	1,449.31	1,505.45	1,604.83	1,602.32	1,615.56	1,638.30	1,709.78
890.13	903.17	944.55	854.69	873.66	930.15	980.56	1,022.77	1,106.45	1,133.86	1,151.83	1,177.77	1,242.90
135.31	138.56	142.52	140.64	139.61	143.65	146.92	153.84	157.50	154.38	153.87	155.11	153.21
239.23	233.18	252.75	179.44	208.86	252.80	278.79	300.28	334.38	315.53	313.52	314.73	338.32
26.75	30.60	38.80	10.20	29.32	44.65	48.23	41.60	46.84	50.65	48.49	32.21	13.90
177.20	191.54	225.63	293.76	347.31	384.53	431.04	484.57	564.15	542.52	551.17	566.22	631.34
236.46	240.86	292.05	248.12	304.90	374.25	436.23	497.61	604.48	594.62	603.32	607.75	669.90
5.7	5.8	5.6	6.0	5.9	5.6	5.3	5.3	5.0	5.2	5.2	5.3	5.3
25.1	24.7	24.8	24.3	25.5	26.1	26.4	26.6	26.5	25.6	25.4	25.0	24.9
61.2	61.5	61.6	61.6	60.6	60.3	60.2	60.0	60.4	61.1	61.4	61.7	61.8
72.7	72.9	76.4	70.4	77.5	84.7	90.0	94.3	100.0	96.5	96.4	96.3	100.0
46.196	51.886	60.882	79.542	96.000	110.431	117.460	136.391	166.367	158.547	160.682	165.396	189.083
65.050	68.439	83.075	75.858	93.674	114.846	130.948	146.084	182.702	176.185	176.607	178.503	206.423
-15.934	-13.481	-18.464	7.089	6.531	0.623	-7.834	-5.613	-8.337	-9.617	-7.633	-5.780	-8.811
-24.442	-23.400	-29.662	-1.576	-2.537	-7.695	-16.017	-13.931	-18.620	-17.342	-13.009	-6.479	-7.409
1.745	7.232	-17.199	-16.312	10.997	19.162	3.170	4.250	7.126	7.314	7.359	9.817	4.104
3.0949	3.1156	3.3751	6.4194	7.5994	7.9185	9.1360	9.5604	9.4556	9.3423	9.6560	10.7890	11.2860
1.9072	2.0401	2.1616	2.8740	3.7047	4.3331	4.9467	5.6387	6.1949	6.4265	6.7972	7.2378	7.5257
91.3	100.0	108.5	149.6	195.5	230.1	265.5	305.6	342.6	362.7	387.9	420.9	446.5
28.1	30.2	32.1	44.5	59.5	70.0	81.2	92.7	100.0	105.0	110.4	118.6	129.7
26.3	28.9	30.9	41.7	56.0	67.6	78.3	91.3	100.0	106.4	111.7	116.8	122.3
3.63	1.95	4.46	-6.22	5.14	6.78	4.91	3.87	6.60	-0.16	0.83	1.41	4.36
1.86	1.83	1.81	1.79	1.56	1.46	1.41	1.40	1.43	1.44	1.45	1.46	1.47
12.3	7.4	6.1	38.6	33.9	17.5	16.0	14.2	7.8	5.0	5.1	7.5	9.3
15.5	9.8	7.0	35.0	34.4	20.6	15.9	16.6	9.5	6.4	5.0	4.5	4.7

Original Table (Quarterly) of Mexico in 2005

Coal		Unit: 1000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	-	-	-
	FEB.	-	-	-	-
	MAR.	-	-	-	-
	1st quarter	-	-	-	-
	APR.	-	-	-	-
	MAY.	-	-	-	-
	JUN.	-	-	-	-
	2nd quarter	-	-	-	-
	JUL.	-	-	-	-
	AUG.	-	-	-	-
	SEP.	-	-	-	-
	3rd quarter	-	-	-	-
	OCT.	-	-	-	-
	NOV.	-	-	-	-
	DEC.	-	-	-	-
	4th quarter	-	-	-	-
		-	-	-	-

Oil		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	103,912		56,356	986	12,075	5,185	
	FEB.	97,153		55,036	450	10,587	4,222	
	MAR.	100,830		57,524	-2,502	10,520	5,537	
	1st quarter	301,895		168,916	-1,066	33,181	14,944	
	APR.	102,309		53,435	453	6,768	5,411	
	MAY.	106,690		57,082	1,801	7,752	6,204	
	JUN.	102,782		53,873	1,208	10,143	6,017	
	2nd quarter	311,780		164,390	3,462	24,663	17,633	
	JUL.	95,559		53,121	-1,639	8,349	5,658	
	AUG.	99,026		51,209	1,659	7,205	4,978	
	SEP.	101,026		50,317	3,101	11,596	5,628	
	3rd quarter	295,610		154,647	3,120	27,150	16,264	
	OCT.	99,866		59,133	-72	16,669	5,597	
	NOV.	99,336		57,256	1,686	9,060	5,884	
	DEC.	105,055		57,275	-2,004	10,767	5,569	
	4th quarter	304,257		173,664	-389	36,496	17,050	
		1,213,542	-	661,616	5,127	121,491	65,892	-

Original Table (Quarterly) of Mexico in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³			
	Production	Imports	Exports	Stock Changes	
2005	JAN.	5,111,884	785,920	-	-9,712
	FEB.	5,137,207	870,184	-	352
	MAR.	5,157,444	623,829	9,259	3,955
	1st quarter	15,406,534	2,279,933	9,259	-5,404
	APR.	5,298,810	426,812	2,733	4,379
	MAY.	5,336,842	515,035	6,522	-9,853
	JUN.	5,402,642	696,883	-	8,612
	2nd quarter	16,038,294	1,638,730	9,255	3,138
	JUL.	5,061,015	526,641	8,901	-8,299
	AUG.	5,386,911	518,407	-	-3,143
	SEP.	5,392,515	425,124	36,031	1,569
	3rd quarter	15,840,440	1,470,172	44,932	-9,873
	OCT.	5,329,562	380,817	29,972	10,877
	NOV.	5,420,188	287,718	91,873	-8,831
	DEC.	5,521,594	262,195	127,103	-16,916
	4th quarter	16,271,343	930,729	248,947	-14,870
	63,556,612	6,319,565	312,394	-27,009	

Electricity		Unit: GWh						
		Gross Generation				Imports	Exports	
		Total	Thermal	Hydro	Nuclear			Others
2005	JAN.	16,498	13,599	1,379	982	537	6	147
	FEB.	15,578	12,728	1,457	837	556	5	174
	MAR.	17,329	14,246	1,462	984	637	8	166
	1st quarter	49,405	40,573	4,298	2,803	1,730	18	486
	APR.	18,015	14,371	2,080	959	605	5	194
	MAY.	19,041	15,468	2,043	974	556	11	143
	JUN.	19,636	16,105	2,003	950	579	21	75
	2nd quarter	56,693	45,944	6,125	2,883	1,740	37	411
	JUL.	19,747	15,501	2,648	970	628	18	97
	AUG.	19,654	14,712	3,500	800	642	12	129
	SEP.	19,002	14,540	3,257	582	623	8	130
	3rd quarter	58,403	44,752	9,405	2,352	1,893	37	356
	OCT.	18,448	13,657	3,289	852	649	9	193
	NOV.	17,094	13,201	2,320	947	627	12	176
	DEC.	17,117	13,312	2,174	967	665	3	165
	4th quarter	52,659	40,171	7,782	2,766	1,940	25	535
	217,160	171,440	27,611	10,805	7,304	117	1,788	

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.12 New Zealand

Energy Balance Table of New Zealand in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Petroleum Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	3,102	-	1,151	-	-	-	-	-	-
2 Import	450	-	4,808	2,209	949	-	301	-	815
3 Export	-1,375	-	-741	-79	-	-	-	-	-5
4 International Marine Bunkers	-	-	-	-225	-	-	-	-	-38
5 Stock Changes	-291	-	58	-148	-90	-	-36	-	-30
6 Total Primary Energy Supply	1,887	-	5,277	1,757	859	-	265	-	741
7 Transfers	-	-	-182	185	-13	-	-19	-	-1
8 Total Transformation Sector	-974	-	-5,214	5,334	1,741	-	990	3	1,820
8.1 Main Activity Producer	-955	-	-	-5	-	-	-	-	-5
8.2 Autoproducers	-20	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-5,214	5,340	1,741	-	990	3	1,825
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-318	-	-	-	-	-
10. Discrepancy	-0	-	119	-25	2	-	47	2	-55
11 Total Final Energy Consumption	912	-	-	6,934	2,589	-	1,283	5	2,505
12 Industry Sector	733	-	-	382	10	-	-	3	299
13 Transport Sector	-	-	-	5,777	2,542	-	1,283	1	1,868
14 Other Sector	179	-	-	466	37	-	-	1	337
14.1 Residential & Commercial	166	-	-	184	11	-	-	-	83
14.2 Agriculture	12	-	-	169	26	-	-	1	142
14.3 Other	-	-	-	114	1	-	-	-	113
15 Non-energy	-	-	-	309	-	-	-	-	-

Energy Balance Table of New Zealand in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Petroleum Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	3,107	-	1,302	-	-	-	-	-	-
2 Import	-	-	5,209	1,537	844	-	191	-	367
3 Export	-1,621	-	-927	-90	-14	-	-	-	-7
4 International Marine Bunkers	-	-	-	-257	-	-	-	-	-64
5 Stock Changes	326	-	-131	99	82	-	23	-	31
6 Total Primary Energy Supply	1,812	-	5,453	1,289	913	-	214	-	327
7 Transfers	-	-	-340	176	-	-	-11	3	5
8 Total Transformation Sector	-755	-	-5,388	5,415	1,626	-	886	3	2,082
8.1 Main Activity Producer	-734	-	-	-6	-	-	-	-	-6
8.2 Autoproducers	-21	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-5,388	5,421	1,626	-	886	3	2,089
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-314	-	-	-	-	-
10. Discrepancy	-9	-	276	112	-35	-	86	-1	49
11 Total Final Energy Consumption	1,048	-	-	6,677	2,504	-	1,176	5	2,463
12 Industry Sector	925	-	-	326	3	-	-	3	250
13 Transport Sector	-	-	-	5,592	2,471	-	1,176	1	1,855
14 Other Sector	123	-	-	504	30	-	-	1	358
14.1 Residential & Commercial	110	-	-	146	2	-	-	-	59
14.2 Agriculture	13	-	-	175	27	-	-	1	147
14.3 Other	-	-	-	183	1	-	-	-	152
15 Non-energy	-	-	-	255	-	-	-	-	-

Energy Balance Table of New Zealand in 2004 (Continued)

													unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	3,453	2,324	-	2,713	896	-	-	13,640	
-	9	-	-	135	-	-	-	-	-	-	-	7,467	
-57	-17	-	-	-	-	-	-	-	-	-	-	-2,195	
-187	-	-	-	-	-	-	-	-	-	-	-	-225	
-8	-2	-	-	18	-0	-	-	-	-	-	-	-381	
-252	-10	-	-	153	3,453	2,324	-	2,713	896	-	-	18,306	
-	189	-	-	30	-	-	-	-	-	-	-	3	
336	-	261	-	183	-1,305	-2,324	-	-2,359	-188	3,594	-	-3,435	
-	-	-	-	-	-1,185	-2,324	-	-2,359	-34	3,511	-	-3,350	
-	-	-	-	-	-120	-	-	-	-154	83	-	-211	
-	-	-	-	-	-	-	-	-	-	-	-	-	
336	-	261	-	183	-	-	-	-	-	-	-	126	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-261	-	-57	-153	-	-	-	-	-620	-	-1,091	
-21	-	-	-	0	7	-	-	-	-0	62	-	163	
63	179	-	-	309	2,002	-	-	354	709	3,035	-	13,946	
2	68	-	-	-	577	-	-	294	645	1,203	-	3,834	
54	28	-	-	-	5	-	-	-	-	36	-	5,817	
8	82	-	-	-	332	-	-	60	64	1,797	-	2,898	
8	82	-	-	-	332	-	-	60	64	1,673	-	2,480	
-	-	-	-	-	-	-	-	-	-	119	-	300	
-	-	-	-	-	-	-	-	-	-	5	-	119	
-	-	-	-	309	1,087	-	-	-	-	-	-	1,397	

Energy Balance Table of New Zealand in 2003 (Continued)

													unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	3,858	2,038	-	2,355	850	-	-	13,510	
3	12	-	-	120	-	-	-	-	-	-	-	6,747	
-40	-28	-	-	-	-	-	-	-	-	-	-	-2,638	
-193	-	-	-	-	-	-	-	-	-	-	-	-257	
-16	2	-	-	-24	-0	-	-	-	-	-	-	293	
-247	-14	-	-	96	3,858	2,038	-	2,355	850	-	-	17,655	
-	176	-	-	2	-	-	-	-	-	-	-	-164	
345	-	247	-	225	-1,870	-2,038	-	-2,355	-177	3,474	-	-3,695	
-	-	-	-	-	-1,702	-2,038	-	-2,355	-31	3,374	-	-3,492	
-	-	-	-	-	-168	-	-	-	-146	100	-	-235	
-	-	-	-	-	-	-	-	-	-	-	-	-	
345	-	247	-	225	-	-	-	-	-	-	-	32	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-247	-	-67	-142	-	-	-	-	-525	-	-982	
20	-7	-	-	-0	13	-	-	-	0	69	-	461	
118	156	-	-	255	1,859	-	-	0	673	3,018	-	13,275	
7	62	-	-	-	522	-	-	-	607	1,188	-	3,568	
64	26	-	-	-	5	-	-	-	-	35	-	5,633	
47	68	-	-	-	353	-	-	0	66	1,794	-	2,840	
17	68	-	-	-	353	-	-	0	66	1,670	-	2,345	
-	-	-	-	-	-	-	-	-	-	119	-	306	
30	-	-	-	-	-	-	-	-	-	6	-	188	
-	-	-	-	255	979	-	-	-	-	-	-	1,234	

Major Energy Indicators of New Zealand

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	9,501	11,968	12,715	12,620	12,401	13,540	14,102	14,299	14,971
Indigenous Production	6,031	10,037	11,130	10,613	11,129	11,982	12,352	12,804	13,115
Import	4,058	3,150	2,208	3,137	2,887	3,541	3,808	3,881	3,805
Export	-86	-1,036	-491	-662	-1,187	-1,756	-1,698	-1,991	-1,778
Final Energy Consumption	7,301	9,180	9,405	9,502	9,445	9,717	9,564	9,742	9,902
Industry	2,472	3,456	3,514	3,324	3,199	3,267	3,860	3,981	4,030
Transport	2,269	2,574	2,758	3,060	3,090	3,242	3,542	3,508	3,667
Residential & Commercial	1,964	2,054	2,051	2,029	2,069	2,096	1,878	1,975	1,950
Agriculture	448	447	431	425	404	402	264	263	256
Coal, Coal Products									
Primary Energy Supply	1,113	1,034	1,188	1,091	1,076	1,169	1,133	1,068	1,221
Indigenous Production	1,179	1,330	1,390	1,304	1,335	1,514	1,389	1,449	1,649
Import	-	1	1	1	1	1	5	1	1
Export	-66	-297	-202	-215	-260	-347	-225	-407	-530
Transformation Sector	-152	-237	-140	-218	-157	-87	-139	-74	-236
Power Generation	-127	-223	-125	-202	-157	-87	-139	-74	-236
Final Energy Consumption	851	907	927	954	984	1,023	996	995	985
Industry	556	661	707	742	779	818	870	782	835
Transport	2	2	2	2	2	2	-	-	-
Residential & Commercial	291	241	214	206	197	193	95	195	142
Agriculture	3	4	4	5	6	10	10	18	8
Crude Oil									
Primary Energy Supply	3,030	1,600	2,272	3,527	3,818	4,310	5,007	4,823	4,925
Indigenous Production	337	1,265	1,396	1,332	1,603	1,796	2,599	2,571	2,624
Import	2,746	990	1,104	2,352	2,560	3,146	3,293	3,379	3,289
Export	-	-658	-190	-106	-328	-625	-965	-1,081	-972
Transformation Sector	-3,102	-1,610	-2,379	-3,541	-3,912	-4,340	-4,889	-4,834	-4,871
Petroleum Refineries	-3,102	-1,610	-2,379	-3,541	-3,912	-4,340	-4,889	-4,834	-4,871
Petroleum Products									
Primary Energy Supply	865	2,001	1,037	153	-545	-465	-402	-376	-17
Import	1,312	2,159	1,104	784	326	394	511	502	516
Export	-20	-80	-98	-342	-599	-784	-508	-503	-276
Transformation Sector	2,865	1,513	2,721	3,740	4,245	4,678	4,904	4,863	4,927
Power Generation	-	-	-	-	-	-	-3	-6	-38
Petroleum Refineries	2,865	1,513	2,721	3,740	4,245	4,678	4,907	4,869	4,965
Final Energy Consumption	3,660	3,515	3,657	3,884	3,892	4,060	4,433	4,309	4,602
Industry	488	321	294	278	260	250	586	524	593
Transport	2,256	2,444	2,633	2,949	2,995	3,165	3,479	3,432	3,603
Residential & Commercial	376	238	211	148	143	130	173	169	220
Agriculture	393	375	359	353	323	326	195	184	186
Natural Gas									
Primary Energy Supply	760	3,022	3,636	3,505	3,795	3,906	3,897	4,228	4,482
Indigenous Production	763	3,021	3,637	3,507	3,797	3,906	3,897	4,228	4,482
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-316	-1,550	-2,179	-2,060	-2,363	-2,496	-2,502	-2,528	-2,885
Power Generation	-332	-1,344	-1,028	-1,090	-1,191	-1,267	-1,231	-1,502	-1,623
Final Energy Consumption	407	1,355	1,356	1,395	1,407	1,400	1,295	1,541	1,474
Industry	311	593	605	616	621	623	1,058	1,297	1,222
Transport	8	126	121	107	90	70	57	57	53
Residential & Commercial	84	120	135	159	181	183	180	187	199
Agriculture	1	5	4	4	4	4	-	-	-
Electricity									
Power Generation	1,952	2,379	2,453	2,497	2,604	2,625	2,765	2,825	2,783
Thermal	303	702	572	630	649	704	758	836	1,009
Hydro	1,648	1,678	1,881	1,867	1,955	1,920	2,007	1,989	1,774
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	1,670	2,082	2,157	2,209	2,277	2,336	2,390	2,456	2,386
Industry	645	849	877	905	931	956	961	1,003	990
Transport	3	3	3	3	4	5	5	19	10
Residential & Commercial	971	1,166	1,214	1,239	1,271	1,314	1,365	1,359	1,324
Agriculture	51	64	64	63	71	61	59	61	61

Major Energy Indicators of New Zealand (Continued)

												ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
15,207	15,569	15,731	16,471	16,795	16,468	17,333	17,779	17,847	18,121	17,655	18,306	
13,472	13,181	12,899	13,784	14,396	13,467	14,128	14,683	14,495	14,885	13,510	13,640	
4,181	4,940	5,101	5,465	5,625	6,179	6,117	5,927	6,006	6,376	6,747	7,467	
-2,159	-2,175	-2,067	-2,667	-2,882	-2,705	-2,569	-2,546	-2,707	-2,754	-2,638	-2,195	
10,224	10,842	11,369	11,817	11,982	12,030	12,733	13,232	13,007	13,576	13,275	13,946	
4,211	4,469	4,730	5,080	5,021	4,924	5,300	5,690	5,373	5,550	4,802	5,230	
3,763	4,029	4,304	4,386	4,550	4,619	4,823	4,933	4,987	5,298	5,633	5,817	
1,947	2,038	2,039	2,016	2,055	2,084	2,148	2,294	2,328	2,376	2,345	2,480	
265	280	288	303	325	350	337	315	320	345	306	300	
1,144	1,077	1,126	1,181	1,200	1,087	1,101	1,042	1,275	1,237	1,812	1,887	
1,703	1,720	2,108	2,110	1,952	1,932	2,078	2,333	2,365	2,731	3,107	3,102	
1	-	-	-	-	-	-	-	-	-	-	450	
-561	-745	-983	-1,167	-871	-784	-956	-1,122	-1,309	-1,418	-1,621	-1,375	
-128	-116	-158	-247	-321	-214	-290	-233	-347	-346	-755	-974	
-128	-116	-158	-247	-321	-214	-290	-233	-347	-346	-755	-974	
1,021	981	976	927	873	876	839	808	924	881	1,048	912	
822	793	762	748	722	747	722	697	780	744	925	733	
-	2	2	2	2	2	-	-	-	-	-	-	
191	170	188	154	129	110	105	98	130	122	110	166	
8	16	23	23	20	17	12	14	13	15	13	12	
5,237	5,672	5,371	5,384	5,792	5,957	5,310	5,452	5,367	5,600	5,453	5,277	
2,700	2,616	2,152	2,614	3,203	2,564	2,126	1,922	1,824	1,672	1,302	1,151	
3,681	4,303	4,168	4,215	4,339	5,232	4,664	4,724	4,679	5,002	5,209	4,808	
-1,146	-1,234	-1,053	-1,357	-1,776	-1,695	-1,404	-1,219	-1,250	-1,118	-927	-741	
-5,034	-5,459	-5,234	-5,096	-5,553	-5,751	-5,064	-5,226	-5,182	-5,410	-5,388	-5,214	
-5,034	-5,459	-5,234	-5,096	-5,553	-5,751	-5,064	-5,226	-5,182	-5,410	-5,388	-5,214	
-243	-24	595	847	562	452	998	855	899	801	1,289	1,757	
500	637	933	1,250	1,286	947	1,454	1,203	1,327	1,373	1,537	2,209	
-452	-197	-31	-142	-235	-226	-209	-205	-148	-219	-90	-79	
5,108	5,309	4,919	4,789	5,180	5,390	5,102	5,295	5,220	5,556	5,415	5,334	
-1	-1	-1	-1	-	-	-	-	-	-	-6	-5	
5,109	5,310	4,920	4,790	5,180	5,390	5,102	5,295	5,220	5,556	5,421	5,340	
4,605	5,029	5,295	5,346	5,478	5,464	5,692	5,840	5,826	6,162	6,677	6,934	
576	637	655	648	627	521	544	617	552	576	581	691	
3,708	3,982	4,267	4,358	4,508	4,576	4,791	4,894	4,951	5,261	5,592	5,777	
131	214	184	144	140	137	134	140	129	116	146	184	
189	195	188	196	204	230	222	189	193	209	175	169	
4,372	4,067	3,857	4,396	4,712	4,150	4,810	5,057	5,321	5,058	3,858	3,453	
4,371	4,067	3,856	4,397	4,712	4,151	4,810	5,056	5,321	5,058	3,858	3,453	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-2,676	-2,196	-1,657	-1,721	-1,790	-1,549	-1,922	-1,927	-2,400	-1,902	-1,870	-1,305	
-1,501	-1,222	-1,047	-1,347	-1,760	-1,549	-1,922	-1,927	-2,400	-1,902	-1,870	-1,305	
1,586	1,764	2,017	2,383	2,486	2,428	2,711	3,078	2,812	2,955	1,859	2,002	
1,333	1,513	1,780	2,150	2,250	2,192	2,427	2,617	2,366	2,522	1,501	1,665	
49	39	31	23	16	11	1	2	3	4	5	5	
205	212	207	210	220	225	284	459	443	429	353	332	
-	-	-	-	-	-	-	-	-	-	-	-	
2,926	3,004	3,019	3,101	3,046	3,067	3,228	3,315	3,328	3,464	3,474	3,594	
917	782	675	868	997	968	1,211	1,218	1,483	1,294	1,436	1,270	
2,010	2,222	2,344	2,233	2,049	2,099	2,017	2,097	1,845	2,170	2,038	2,324	
-	-	-	-	-	-	-	-	-	-	-	-	
2,551	2,611	2,621	2,699	2,706	2,795	2,885	2,894	2,840	2,931	3,018	3,035	
1,083	1,132	1,135	1,135	1,046	1,060	1,067	1,213	1,134	1,126	1,188	1,203	
6	5	5	4	24	31	31	37	33	33	35	36	
1,356	1,379	1,396	1,445	1,504	1,550	1,561	1,532	1,560	1,642	1,670	1,673	
67	69	77	84	101	102	103	113	114	122	119	119	

Major Economic Indicators of New Zealand

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	3.11	3.27	3.28	3.31	3.35	3.40	3.45	3.50
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	32.72	38.29	39.09	39.25	39.20	39.42	39.41	38.89
Real Term (Billions of 2000 Price and 2000 PPP)	47.72	55.84	57.00	57.24	57.16	57.49	57.48	56.72
Nominal (Billions of Current USD)	22.85	22.84	29.19	37.01	44.24	42.72	43.62	42.06
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	10,511	11,704	11,929	11,877	11,702	11,601	11,431	11,128
Real Term (2000 Price and 2000 PPP)	15,328	17,067	17,395	17,319	17,064	16,917	16,669	16,228
Nominal (Current USD)	7,341	6,981	8,908	11,199	13,206	12,573	12,650	12,035
Nominal GDP & its Components (Billions of Current NZD) *1								
Gross Domestic Product	23.46	46.21	55.85	62.72	67.53	71.44	73.11	72.92
Household Final Consumption Expenditure, etc.	13.80	27.15	32.11	36.57	39.61	42.44	44.64	44.49
General Government Final Consumption Expenditure	4.88	8.67	10.55	11.63	12.54	13.25	14.06	14.32
Gross Fixed Capital Formation	4.80	12.37	12.72	13.90	13.65	14.86	14.42	11.97
Stock Change	-0.04	-0.17	0.59	-0.41	-0.11	1.29	-0.15	-0.09
Exports of Goods and Services	6.93	13.80	14.96	16.45	17.81	18.94	19.76	21.49
Imports of Goods and Services	7.19	15.15	15.08	15.49	15.48	18.91	19.57	19.25
Real GDP & its Components (Billions of 2000 NZD) *1								
Gross Domestic Product	72.02	84.28	86.05	86.40	86.29	86.77	86.76	85.61
Household Final Consumption Expenditure, etc.	43.77	47.77	49.71	50.91	52.00	52.30	52.40	51.58
General Government Final Consumption Expenditure	14.25	15.53	15.64	15.86	15.87	16.52	16.71	16.64
Gross Fixed Capital Formation	10.42	16.16	15.24	15.78	15.48	16.35	15.77	12.98
Stock Change	0.71	0.13	0.80	-0.48	-0.22	1.66	0.38	-0.18
Exports of Goods and Services	16.40	20.09	21.02	22.55	23.09	22.60	24.24	26.64
Imports of Goods and Services	14.22	17.99	18.35	19.94	19.95	23.13	23.29	22.45
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	7.4	7.5	7.4	8.2	8.0	7.5	8.8	9.0
Industry	27.7	28.9	28.7	27.7	27.2	26.8	25.6	25.0
Services, etc.	61.4	59.2	60.0	60.7	61.5	61.9	62.0	62.8
Manufacturing Production Index (2000=100) *2	N.A.	N.A.	N.A.	74.6	71.3	70.2	67.6	64.9
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	5.421	5.720	5.880	7.195	8.784	8.875	9.394	9.619
Imports, c.i.f.	5.473	5.992	6.063	7.276	7.342	8.784	9.501	8.381
Balance of Payments (Billions of Current USD) *2								
Trade Balance	0.303	-0.061	0.103	0.590	2.173	0.973	0.815	2.070
Current Account	-0.973	-2.657	-2.826	-2.910	-1.863	-1.525	-1.453	-1.159
Overall Balance	-1.421	-2.037	-2.612	-2.248	-2.921	-1.217	0.179	-1.511
Foreign Exchange Rate (NZD/USD) *1	1.0267	2.0234	1.9132	1.6946	1.5264	1.6721	1.6762	1.7335
Purchasing Power Parity (NZD/International Dollar) *1	0.9473	1.1935	1.3895	1.5068	1.5866	1.6076	1.5988	1.5157
Price Indices								
GDP Deflator (2000=100) *3	32.6	54.8	64.9	72.6	78.3	82.3	84.3	85.2
Industry Input Price Index (2000=100) *2	35.6	62.4	66.0	71.3	75.0	80.3	84.1	84.8
Consumer Price Index (2000=100) *2	30.2	53.2	60.2	69.7	74.2	79.7	84.1	85.5
Growth Rate (%) *3								
Real GDP	0.90	0.77	2.09	0.41	-0.13	0.56	-0.02	-1.32
Population	0.13	0.57	0.17	0.85	1.36	1.43	1.47	1.37
Price								
Industry Input Price Index	22.9	15.3	5.7	7.9	5.2	7.1	4.7	0.9
Consumer Price Index	17.1	15.4	13.2	15.7	6.4	7.5	5.5	1.7

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. shows "not available"

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

: PPP shows Purchasing Power Parity

Major Economic Indicators of New Zealand (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
3.53	3.57	3.62	3.67	3.73	3.78	3.82	3.84	3.86	3.88	3.94	4.01	4.06
39.32	41.86	44.07	45.90	47.51	48.20	48.45	50.96	52.12	53.94	56.43	58.46	61.04
57.34	61.04	64.27	66.93	69.29	70.29	70.65	74.31	76.01	78.65	82.30	85.25	89.01
40.43	44.04	51.78	60.82	66.84	66.61	54.85	57.46	52.12	51.93	60.03	80.02	98.94
11,134	11,718	12,175	12,494	12,732	12,744	12,700	13,287	13,511	13,899	14,327	14,582	15,030
16,236	17,088	17,754	18,219	18,566	18,584	18,519	19,375	19,703	20,268	20,892	21,265	21,917
11,448	12,329	14,302	16,556	17,909	17,610	14,376	14,982	13,511	13,383	15,239	19,960	24,365
75.27	81.50	87.32	92.68	97.24	100.74	102.47	108.57	114.73	123.53	129.79	137.81	149.28
45.35	47.43	51.18	54.52	58.05	60.52	63.39	65.90	68.59	72.31	76.89	81.54	N.A.
14.86	15.11	15.34	16.38	16.98	18.44	18.75	20.16	20.29	21.79	22.77	24.28	N.A.
12.57	15.03	17.75	19.89	20.88	20.61	19.72	21.84	22.45	24.67	26.42	29.92	N.A.
0.62	1.43	1.17	1.18	0.81	0.82	0.27	1.54	1.42	1.89	0.79	1.12	N.A.
23.70	25.08	26.95	27.13	27.53	28.53	30.47	33.60	41.28	43.61	41.97	40.10	N.A.
21.87	22.71	25.33	26.42	27.01	28.18	30.13	34.46	39.30	40.75	39.93	39.81	N.A.
86.56	92.14	97.01	101.02	104.59	106.11	106.64	112.16	114.73	118.72	124.22	128.69	134.35
51.81	53.75	57.08	59.19	61.83	63.20	65.14	67.31	68.59	70.57	73.80	77.96	N.A.
16.79	17.08	17.24	18.09	18.34	19.81	19.78	20.82	20.29	21.29	21.82	22.51	N.A.
13.27	15.66	18.12	20.07	21.21	21.02	20.14	22.42	22.45	24.52	26.32	29.92	N.A.
0.92	1.62	1.55	1.42	1.00	0.83	0.47	1.89	1.42	1.81	1.12	1.37	N.A.
27.51	29.41	31.91	32.63	34.16	35.49	36.60	39.29	41.28	42.26	45.48	45.94	N.A.
24.07	25.92	29.66	31.70	33.76	34.63	35.28	39.32	39.30	40.69	43.69	48.88	N.A.
7.8	8.6	8.2	8.5	8.8	8.7	8.3	8.3	8.4	8.3	8.1	8.0	N.A.
25.1	25.2	25.4	25.1	25.1	24.8	23.8	23.9	23.6	22.9	23.4	23.1	N.A.
63.6	62.6	62.3	62.4	62.3	62.9	64.1	63.8	64.0	64.8	64.4	64.6	N.A.
67.2	71.4	75.8	95.1	97.0	97.5	94.4	96.3	100.0	100.3	105.5	106.6	110.5
9.785	10.542	12.185	13.645	14.360	14.221	12.070	12.455	13.272	13.730	14.380	16.505	20.373
9.201	9.636	11.913	13.957	14.724	14.519	12.495	14.299	13.906	13.308	15.047	18.565	23.201
1.627	1.719	1.408	0.971	0.523	0.903	0.912	-0.371	0.680	1.471	0.166	-0.456	-1.431
-1.071	-0.746	-2.384	-3.003	-3.891	-4.304	-2.157	-3.515	-2.462	-1.253	-2.235	-3.357	-6.199
0.131	-0.074	0.733	0.384	1.772	-1.442	-0.486	0.188	-0.143	-0.187	1.086	0.783	0.629
1.8618	1.8505	1.6865	1.5239	1.4548	1.5124	1.8682	1.8896	2.2011	2.3788	2.1622	1.7221	1.5087
1.5177	1.4960	1.4946	1.4985	1.4744	1.4983	1.5251	1.4995	1.5095	1.5529	1.5319	1.5364	1.6164
87.0	88.5	90.0	91.7	93.0	94.9	96.1	96.8	100.0	104.1	104.5	107.1	111.1
86.5	88.7	89.8	90.5	91.1	91.4	92.0	93.0	100.0	106.0	106.2	105.3	107.1
86.4	87.6	89.7	93.1	95.2	96.3	97.6	97.4	100.0	102.6	105.4	107.2	109.7
1.10	6.45	5.29	4.13	3.53	1.45	0.51	5.17	2.29	3.48	4.63	3.60	4.40
1.05	1.15	1.34	1.47	1.60	1.35	0.86	0.53	0.59	0.59	1.51	1.78	1.29
2.1	2.4	1.3	0.8	0.6	0.4	0.7	1.0	7.6	6.0	0.2	-0.8	1.7
1.0	1.4	2.4	3.7	2.3	1.2	1.3	-0.1	2.6	2.6	2.7	1.8	2.3

Energy Price of New Zealand in 2004

Currency Exchange Rate

	Local currency / US Dollar	
Currency Exchange Rate		
Local Currency Unit		\$NZ

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		
Oil and Oil Products			Gas Works Gas			Gas Works Gas		
Crude Oil	bbbl	63.29	Oil and Oil Products			Oil and Oil Products		
Natural Gas Liquids			Crude Oil			Crude Oil		
Ethane			Natural Gas Liquids			Natural Gas Liquids		
LPG			Ethane			Ethane		
Naphtha			LPG			LPG		
Motor Gasoline	litre	0.481	Naphtha			Naphtha		
Aviation Gasoline			Motor Gasoline	litre	1.155	Motor Gasoline	litre	1.165
Gasoline Type Jet Fuel			Aviation Gasoline			Aviation Gasoline		
Kerosene Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Other Kerosene			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Gas/Diesel Oil	litre	0.463	Other Kerosene			Other Kerosene		
Fuel Oil			Gas/Diesel Oil	litre	0.724	Gas/Diesel Oil	litre	0.73
White Spirit SBP			Fuel Oil	litre	0.484	Fuel Oil		
Lubricants			White Spirit SBP			White Spirit SBP		
Bitumen			Lubricants			Lubricants		
Paraffin Waxes			Bitumen			Bitumen		
Petroleum Coke			Paraffin Waxes			Paraffin Waxes		
Natural Gas			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas			Natural Gas			Natural Gas	GJ	21.32
Compressed Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Electricity			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity		
Other Energy Products			Electricity	kWh	0.0824	Industrial		
			Other Energy Products			Commercial		
						Residential	kWh	0.1634
						Others		
						Other Energy Products		

Original Table (Quarterly) of New Zealand in 2005

Coal		Unit: 1,000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	-	-	-
	FEB.	-	-	-	-
	MAR.	-	-	-	-
	1st quarter	1,217	-	473	-
	APR.	-	-	-	-
	MAY.	-	-	-	-
	JUN.	-	-	-	-
	2nd quarter	1,217	-	473	-
	JUL.	-	-	-	-
	AUG.	-	-	-	-
	SEP.	-	-	-	-
	3rd quarter	1,244	-	495	-
	OCT.	-	-	-	-
	NOV.	-	-	-	-
	DEC.	-	-	-	-
	4th quarter	1,360	-	761	-
	5,039	-	2,202	-	

Oil		Unit: 1,000kL						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.							
	FEB.							
	MAR.							
	1st quarter	219	1,276	192	-61	844	63	90
	APR.							
	MAY.							
	JUN.							
	2nd quarter	257	1,573	184	138	514	33	79
	JUL.							
	AUG.							
	SEP.							
	3rd quarter	277	1,426	202	-17	523	41	108
	OCT.							
	NOV.							
	DEC.							
	4th quarter	219	1,331	127	-187	256	18	-172
	973	5,606	706	-126	2,136	156	105	

Original Table (Quarterly) of New Zealand in 2005 (Continued)

		Natural Gas (or LNG)				Unit: 1,000m ³
		Production	Imports	Exports	Stock Changes	
2005	JAN.	-	-	-	-	-
	FEB.	-	-	-	-	-
	MAR.	-	-	-	-	-
	1st quarter	886,344	-	-	-	-436
	APR.	-	-	-	-	-
	MAY.	-	-	-	-	-
	JUN.	-	-	-	-	-
	2nd quarter	1,017,246	-	-	-	-333
	JUL.	-	-	-	-	-
	AUG.	-	-	-	-	-
	SEP.	-	-	-	-	-
	3rd quarter	1,114,307	-	-	-	179
	OCT.	-	-	-	-	-
	NOV.	-	-	-	-	-
	DEC.	-	-	-	-	-
	4th quarter	878,935	-	-	-	308
	3,896,832	-	-	-	-282	

		Electricity					Unit: GWh	
		Gross Generation					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	-	-	-	-	-	-	-
	FEB.	-	-	-	-	-	-	-
	MAR.	-	-	-	-	-	-	-
	1st quarter	9,838	2,399	6,305	-	1,134	-	-
	APR.	-	-	-	-	-	-	-
	MAY.	-	-	-	-	-	-	-
	JUN.	-	-	-	-	-	-	-
	2nd quarter	10,324	3,563	5,615	-	1,146	-	-
	JUL.	-	-	-	-	-	-	-
	AUG.	-	-	-	-	-	-	-
	SEP.	-	-	-	-	-	-	-
	3rd quarter	10,754	3,963	5,642	-	1,149	-	-
	OCT.	-	-	-	-	-	-	-
	NOV.	-	-	-	-	-	-	-
	DEC.	-	-	-	-	-	-	-
	4th quarter	10,027	3,352	5,436	-	1,239	-	-
	40,943	13,277	22,998	-	4,668	-	-	

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.13 Papua New Guinea

Energy Balance Table of Papua New Guinea in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	-	-	1,927	-	-	-	-	-	-
2 Import	-	-	-	1,262	86	-	85	25	643
3 Export	-	-	-1,512	-285	-6	-133	-	-13	-57
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	-	-4	-	-4	-	-	-
6 Total Primary Energy Supply	-	-	415	973	80	-137	85	11	586
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-	-	-415	-123	15	146	-	26	-9
8.1 Main Activity Producer	-	-	-	-513	-	-	-	-	-113
8.2 Autoproducers	-	-	-	-44	-	-	-	-	-42
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-415	434	15	146	-	26	147
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-15	-0	-	-	-	-5
10. Discrepancy	-	-	-0	-0	-0	0	-0	0	-0
11 Total Final Energy Consumption	-	-	-	835	95	9	85	37	573
12 Industry Sector	-	-	-	419	-	9	-	-	382
13 Transport Sector	-	-	-	377	95	-	85	-	191
14 Other Sector	-	-	-	39	-	-	-	37	-
14.1 Residential & Commercial	-	-	-	39	-	-	-	37	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	-	-	-	-	-	-

Note: Above Energy Balance Table were estimated by CA.

Energy Balance Table of Papua New Guinea in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	-	-	2,427	-	-	-	-	-	-
2 Import	-	-	-	1,340	99	9	79	39	641
3 Export	-	-	-2,427	-	-	-	-	-	-
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	-	-	-	1,340	99	9	79	39	641
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-	-	-	-501	-	-	-	-	-74
8.1 Main Activity Producer	-	-	-	-210	-	-	-	-	-30
8.2 Autoproducers	-	-	-	-291	-	-	-	-	-44
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-	-	-	-	-	-	-
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	-	-	-	0	-	-	-	-	0
11 Total Final Energy Consumption	-	-	-	839	99	9	79	39	567
12 Industry Sector	-	-	-	412	-	9	-	-	377
13 Transport Sector	-	-	-	374	99	-	79	-	190
14 Other Sector	-	-	-	41	-	-	-	39	-
14.1 Residential & Commercial	-	-	-	41	-	-	-	39	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	12	-	-	-	-	-

Note: Above Energy Balance Table were estimated by CA.

Energy Balance Table of Papua New Guinea in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	107	77	-	-	-	-	-	2,111	
410	14	-	-	-	-	-	-	-	-	-	-	1,262	
-73	-2	-	-	-	-	-	-	-	-	-	-	-1,797	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-4	
337	12	-	-	-	107	77	-	-	-	-	-	1,572	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-314	5	7	-	-	-107	-77	-	-	-	298	-	-423	
-400	-	-	-	-	-	-47	-	-	-	199	-	-361	
-	-1	-	-	-	-107	-30	-	-	-	99	-	-81	
-	-	-	-	-	-	-	-	-	-	-	-	-	
85	7	7	-	-	-	-	-	-	-	-	-	18	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-3	-7	-	-	-	-	-	-	-	-9	-	-25	
0	0	-	-	-	-	0	-	-	-	0	-	0	
22	14	-	-	-	-	-	-	-	-	289	-	1,124	
16	12	-	-	-	-	-	-	-	-	218	-	637	
7	-	-	-	-	-	-	-	-	-	-	-	377	
-	2	-	-	-	-	-	-	-	-	70	-	110	
-	2	-	-	-	-	-	-	-	-	-	-	39	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	70	-	70	
-	-	-	-	-	-	-	-	-	-	-	-	-	

Energy Balance Table of Papua New Guinea in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	132	80	-	-	-	-	-	2,640	
448	13	-	-	12	-	-	-	-	-	-	-	1,340	
-	-	-	-	-	-	-	-	-	-	-	-	-2,427	
-	-	-	-	-	-	-	-	-	-	-	-	-	
448	13	-	-	12	132	80	-	-	-	-	-	1,553	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-427	-	-	-	-	-132	-80	-	-	-	273	-	-440	
-179	-	-	-	-	-	-47	-	-	-	118	-	-139	
-248	-	-	-	-	-132	-33	-	-	-	155	-	-301	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-17	-	-17	
-0	0	-	-	-	-0	-0	-	-	-	0	-	-0	
21	13	-	-	12	-	-	-	-	-	256	-	1,095	
15	11	-	-	-	-	-	-	-	-	189	-	601	
6	-	-	-	-	-	-	-	-	-	-	-	374	
-	2	-	-	-	-	-	-	-	-	67	-	108	
-	2	-	-	-	-	-	-	-	-	67	-	108	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	12	-	-	-	-	-	-	-	12	

Major Energy Indicators of Papua New Guinea

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	631	737	729	818	764	781	864	914	895
Indigenous Production	27	36	39	38	38	39	4,611	5,111	5,411
Import	625	749	713	813	760	783	796	748	748
Export	-	-29	-	-6	-5	-10	-4,512	-4,915	-5,235
Final Energy Consumption	441	512	519	557	547	532	613	615	615
Industry	161	214	177	194	190	190	190	191	189
Transport	211	228	205	222	219	204	209	210	210
Residential & Commercial	29	22	32	32	31	31	34	36	37
Agriculture	30	33	80	80	80	80	81	80	80
Coal, Coal Products									
Primary Energy Supply	-	1	1	1	1	1	1	1	1
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	1	1	1	1	1	1	1	1
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-	-	-
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	1	1	1	1	1
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	-	-	-	-	-	-	-	100	80
Indigenous Production	-	-	-	-	-	-	4,500	5,000	5,300
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-4,500	-4,900	-5,220
Transformation Sector	-	-	-	-	-	-	-	55	55
Petroleum Refineries	-	-	-	-	-	-	-	-55	-55
Petroleum Products									
Primary Energy Supply	604	700	689	779	725	741	752	702	703
Import	625	748	712	812	760	782	795	747	747
Export	-	-29	-	-6	-5	-10	-12	-15	-15
Transformation Sector	-264	-312	-310	-360	-329	-341	-346	-296	-296
Power Generation	-264	-312	-310	-360	-329	-341	-346	-347	-347
Petroleum Refineries	-	-	-	-	-	-	-	51	51
Final Energy Consumption	338	382	381	410	404	389	398	397	397
Industry	80	111	80	90	87	87	87	85	84
Transport	211	228	205	222	219	204	209	210	210
Residential & Commercial	19	10	20	21	21	21	24	25	26
Agriculture	27	30	75	75	75	75	76	75	75
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	72	72	72
Indigenous Production	-	-	-	-	-	-	72	72	72
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-	-	-
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	72	72	72
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	108	133	144	155	150	153	154	154	154
Thermal	81	97	104	117	112	114	114	114	114
Hydro	27	36	40	38	38	39	40	40	40
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	103	130	137	147	142	142	142	146	145
Industry	81	103	96	103	103	103	103	105	104
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	10	12	12	11	11	11	11	11	12
Agriculture	2	3	5	5	5	5	5	5	5

Note: For Papua New Guinea, data are estimation by C.A. based on the data from the UN statistics (prior 1993) and based on the data provided by Papua New Guinea government (after 1994).

Major Energy Indicators of Papua New Guinea (Continued)

ktoe

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
896	957	921	954	1,029	1,127	1,056	1,123	1,299	1,394	1,553	1,572
5,514	5,882	4,897	5,244	3,776	4,049	4,879	3,866	3,281	2,776	2,640	2,111
747	774	731	715	828	896	834	908	1,075	1,170	1,340	1,262
-5,335	-5,678	-4,694	-4,952	-3,566	-3,828	-4,657	-3,651	-3,057	-2,552	-2,427	-1,797
623	654	689	724	717	763	823	880	948	1,008	1,095	1,124
184	238	271	294	277	325	360	480	515	552	601	637
224	248	251	257	260	251	262	306	328	344	374	377
37	77	79	79	81	83	92	82	93	100	108	39
76	80	77	81	88	94	97	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
80	9	10	14	12	14	-	-	-	-	-	415
5,400	5,709	4,717	5,019	3,586	3,832	4,657	3,651	3,057	2,552	2,427	1,927
-	-	-	-	-	-	-	-	-	-	-	-
-5,320	-5,678	-4,694	-4,951	-3,564	-3,828	-4,657	-3,651	-3,057	-2,552	-2,427	-1,512
55	17	24	29	32	28	-	-	-	-	-	415
-55	-17	-24	-29	-32	-28	-	-	-	-	-	-415
702	774	731	714	826	896	834	908	1,075	1,170	1,340	973
746	774	731	715	828	896	834	908	1,075	1,170	1,340	1,262
-15	-	-	-1	-2	-0	-	-	-	-	-	-285
-297	-80	-82	-68	-101	-158	-184	-222	-345	-396	-501	-123
-348	-97	-104	-94	-133	-185	-184	-222	-345	-396	-501	-556
51	17	22	26	32	28	-	-	-	-	-	434
402	559	571	592	596	600	651	686	730	774	839	835
79	186	197	208	204	211	239	338	355	380	412	419
224	248	251	257	260	251	262	306	328	344	374	377
26	34	35	33	34	34	41	30	35	38	41	39
71	80	77	81	88	94	97	-	-	-	-	-
74	80	83	117	100	115	113	119	144	144	132	107
74	80	83	117	100	115	113	119	144	144	132	107
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-11	-83	-117	-108	-141	-137	-119	-137	-137	-132	-107
-	-11	-83	-117	-108	-141	-137	-119	-137	-137	-132	-107
74	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
154	111	136	152	140	187	198	204	231	248	273	298
114	42	61	70	79	112	119	124	151	168	193	221
40	69	75	81	61	75	79	80	80	80	80	77
-	-	-	-	-	-	-	-	-	-	-	-
146	94	117	131	120	162	172	194	218	234	256	289
105	52	74	86	74	114	121	142	160	172	189	218
-	-	-	-	-	-	-	-	-	-	-	-
12	42	43	46	46	48	51	52	58	62	67	-
5	-	-	-	-	-	-	-	-	-	-	-

Major Economic Indicators of Papua New Guinea

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	3.241	3.655	3.741	3.829	3.919	4.014	4.114	4.220
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	1.888	2.021	2.116	2.175	2.238	2.206	2.140	2.344
Real Term (Billions of 2000 Price and 2000 PPP)	6.708	7.182	7.519	7.727	7.952	7.839	7.603	8.329
Nominal (Billions of Current USD)	2.546	2.423	2.648	3.144	3.656	3.546	3.221	3.788
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	583	553	566	568	571	550	520	555
Real Term (2000 Price and 2000 PPP)	2,070	1,965	2,010	2,018	2,029	1,953	1,848	1,974
Nominal (Current USD)	786	663	708	821	933	884	783	898
Nominal GDP & its Components (Billions of Current PGK) *1								
Gross Domestic Product	1.708	2.424	2.572	2.854	3.170	3.046	3.076	3.605
Household Final Consumption Expenditure, etc.	1.051	1.624	1.674	1.815	1.920	1.962	1.816	2.121
General Government Final Consumption Expenditure	0.411	0.569	0.591	0.640	0.663	0.745	0.764	0.853
Gross Fixed Capital Formation	0.394	0.447	0.539	0.551	0.737	0.791	0.773	1.010
Stock Change	0.036	0.034	-0.032	0.034	0.126	-0.083	-0.021	-0.022
Exports of Goods and Services	0.738	1.021	1.121	1.232	1.371	1.238	1.250	1.524
Imports of Goods and Services	0.911	1.271	1.321	1.418	1.646	1.606	1.506	1.880
Real GDP & its Components (Billions of 1983 PGK) *1								
Gross Domestic Product	2.074	2.220	2.324	2.389	2.458	2.424	2.351	2.575
Household Final Consumption Expenditure, etc.	1.378	1.492	1.452	1.500	1.504	1.486	1.287	1.435
General Government Final Consumption Expenditure	0.569	0.517	0.511	0.527	0.517	0.548	0.533	0.556
Gross Fixed Capital Formation	0.512	0.391	0.459	0.453	0.572	0.587	0.533	0.653
Stock Change	0.045	0.024	-0.024	0.025	0.102	-0.074	-0.017	-0.018
Exports of Goods and Services	0.735	0.898	1.006	0.996	0.981	0.972	0.928	1.075
Imports of Goods and Services	1.164	1.102	1.079	1.111	1.219	1.097	0.913	1.096
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	31.4	31.5	30.6	31.3	31.5	32.4	34.2	30.4
Industry	29.5	28.8	30.5	29.2	29.9	26.1	26.2	31.1
Services, etc.	39.1	39.7	38.9	39.5	38.6	41.5	39.6	38.5
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.	1.031	0.912	1.033	1.161	1.399	1.404	1.177	1.460
Imports, c.i.f.	1.176	1.008	1.080	1.165	1.393	1.530	1.193	1.614
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-0.035	0.051	0.102	0.114	0.091	-0.023	0.069	0.078
Current Account	-0.289	-0.122	-0.098	-0.198	-0.296	-0.313	-0.076	-0.475
Overall Balance	-0.084	-0.001	0.003	0.002	-0.053	-0.059	0.022	-0.409
Foreign Exchange Rate (PGK/USD) *1	0.6709	1.0003	0.9714	0.9079	0.8671	0.8588	0.9550	0.9517
Purchasing Power Parity (PGK/International Dollar) *1	0.4788	0.4853	0.4855	0.5008	0.5265	0.4947	0.4957	0.5155
Price Indices								
GDP Deflator (1983=100) *3	82.4	109.2	110.7	119.5	128.9	125.7	130.9	140.0
Wholesale Price Index (2000=100)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2000=100) *2	23.0	31.5	33.2	34.3	36.2	37.8	40.4	43.2
Growth Rate (%) *3								
Real GDP	-2.30	4.00	4.69	2.77	2.91	-1.42	-3.01	9.55
Population	2.49	2.39	2.36	2.34	2.35	2.41	2.50	2.58
Price								
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	12.1	3.7	5.5	3.3	5.4	4.5	7.0	7.0

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. shows "not available"

: PGK shows Kina, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Papua New Guinea (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
4.332	4.448	4.567	4.687	4.809	4.931	5.055	5.177	5.299	5.419	5.538	5.656	5.772
2.669	3.154	3.342	3.231	3.481	3.345	3.219	3.462	3.420	3.341	3.313	3.401	3.486
9.482	11.208	11.874	11.481	12.369	11.886	11.438	12.301	12.152	11.871	11.771	12.084	12.386
4.378	4.976	5.321	4.601	5.217	4.912	3.756	3.416	3.420	2.936	2.822	3.425	3.909
616	709	732	689	724	678	637	669	645	616	598	601	604
2,189	2,520	2,600	2,449	2,572	2,410	2,263	2,376	2,293	2,190	2,125	2,137	2,146
1,011	1,119	1,165	982	1,085	996	743	660	645	542	510	606	677
4.223	4.867	5.381	5.888	6.881	7.064	7.789	8.781	9.515	9.948	10.992	12.204	12.596
2.144	2.046	2.240	2.454	3.375	4.119	4.619	6.123	N.A.	N.A.	N.A.	N.A.	N.A.
1.004	1.199	1.001	1.006	1.370	1.361	1.407	1.488	N.A.	N.A.	N.A.	N.A.	N.A.
0.914	0.901	1.012	1.150	1.186	1.079	1.089	1.063	N.A.	N.A.	N.A.	N.A.	N.A.
0.070	-0.043	0.142	0.149	0.375	0.409	0.307	0.377	N.A.	N.A.	N.A.	N.A.	N.A.
2.021	2.562	3.031	3.675	3.575	3.312	3.942	4.153	6.853	7.038	7.017	8.671	N.A.
1.930	1.798	2.044	2.545	3.000	3.217	3.575	4.423	5.971	6.110	6.837	7.323	N.A.
2.932	3.465	3.671	3.549	3.824	3.675	3.536	3.803	3.757	3.670	3.639	3.736	3.829
1.547	1.574	1.827	1.507	1.759	2.033	1.928	2.336	N.A.	N.A.	N.A.	N.A.	N.A.
0.616	0.722	0.586	0.553	0.730	0.698	0.686	0.691	N.A.	N.A.	N.A.	N.A.	N.A.
0.602	0.550	0.584	0.586	0.540	0.461	0.437	0.366	N.A.	N.A.	N.A.	N.A.	N.A.
0.055	-0.032	0.104	0.093	0.210	0.221	0.146	0.156	N.A.	N.A.	N.A.	N.A.	N.A.
1.377	1.744	1.918	1.855	1.742	1.457	1.539	1.471	N.A.	N.A.	N.A.	N.A.	N.A.
1.063	0.920	0.996	1.046	1.157	1.195	1.199	1.216	N.A.	N.A.	N.A.	N.A.	N.A.
28.4	29.0	29.2	30.1	31.1	31.9	29.5	28.6	31.6	30.6	33.1	33.4	N.A.
37.2	40.2	38.4	36.3	37.1	32.0	36.5	35.8	34.5	35.3	31.5	32.0	N.A.
34.5	30.8	32.5	33.6	31.9	31.1	29.6	30.9	28.8	29.9	30.5	30.2	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1.927	2.585	2.632	2.654	2.529	2.163	1.772	1.875	2.096	1.805	1.641	2.212	2.532
1.485	1.299	1.522	1.452	1.741	1.711	1.240	1.188	1.151	1.071	1.137	1.297	1.680
0.625	1.470	1.326	1.408	1.017	0.677	0.695	0.856	1.095	0.881	N.A.	N.A.	N.A.
-0.160	0.474	0.402	0.492	0.189	-0.192	-0.029	0.095	0.345	0.282	N.A.	N.A.	N.A.
-0.326	-0.253	-0.170	-0.039	0.202	-0.177	-0.221	0.125	0.104	0.129	N.A.	N.A.	N.A.
0.9647	0.9782	1.0113	1.2798	1.3191	1.4380	2.0736	2.5708	2.7822	3.3887	3.8952	3.5635	3.2225
0.4989	0.4762	0.4982	0.5586	0.5889	0.6192	0.7016	0.7241	0.7830	0.8132	0.8667	0.8533	0.8732
144.1	140.5	146.6	165.9	180.0	192.2	220.3	230.9	253.3	271.1	302.1	326.7	328.9
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
45.1	47.3	48.7	57.1	63.7	66.3	75.3	86.5	100.0	109.3	122.2	140.2	143.1
13.85	18.20	5.94	-3.31	7.73	-3.90	-3.77	7.55	-1.21	-2.32	-0.84	2.67	2.50
2.65	2.68	2.67	2.64	2.59	2.55	2.50	2.43	2.35	2.27	2.19	2.12	2.06
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
4.3	5.0	2.9	17.3	11.6	4.0	13.6	14.9	15.6	9.3	11.8	14.7	2.1

3.14 Peru

Energy Balance Table of Peru in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	16	-	4,623	-	-	-	-	-	-
2 Import	636	170	4,219	1,737	4	40	-	0	1,353
3 Export	-	-	-841	-2,125	-175	-396	-208	-	-58
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	109	-8	-85	6	17	-6	-	-	2
6 Total Primary Energy Supply	761	162	7,916	-382	-153	-363	-208	0	1,297
7 Transfers	-	-	-385	538	310	-	-	-	38
8 Total Transformation Sector	-275	-108	-7,273	6,707	1,034	22	444	335	1,703
8.1 Main Activity Producer	-262	-	-	-537	-	-	-	-	-222
8.2 Autoproducers	-	-	-	-157	-	-	-	-1	-138
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-7,273	7,401	1,034	22	444	335	2,063
8.5 Coal Transformation	-13	-108	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-160	-0	-3	-0	-0	-10
10. Discrepancy	-8	-2	-258	-138	-195	344	225	-12	-283
11 Total Final Energy Consumption	478	52	-	6,565	995	-	461	323	2,746
12 Industry Sector	478	52	-	1,267	13	-	11	31	217
13 Transport Sector	-	-	-	3,772	848	-	450	-	2,436
14 Other Sector	0	-	-	1,317	134	-	-	292	93
14.1 Residential & Commercial	0	-	-	941	121	-	-	288	38
14.2 Agriculture	-	-	-	42	13	-	-	0	11
14.3 Other	-	-	-	334	0	-	-	4	43
15 Non-energy	-	-	-	210	-	-	-	-	-

Note: The final energy consumption of other petroleum products were estimated by CA.

Energy Balance Table of Peru in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	11	-	4,615	-	-	-	-	-	-
2 Import	541	126	4,212	1,788	39	-	-	154	1,148
3 Export	-	-	-1,460	-1,989	-276	-	-	-212	-44
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	97	-2	-155	-880	-343	-	-	-140	-173
6 Total Primary Energy Supply	649	124	7,212	-1,081	-579	-	-	-198	930
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-246	-65	-8,049	7,546	1,574	-	-	940	1,691
8.1 Main Activity Producer	-220	-	-	-299	-	-	-	-	-40
8.2 Autoproducers	-	-	-	-262	-	-	-	-	-219
8.3 Gas Processing	-	-126	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-8,049	8,107	1,574	-	-	940	1,950
8.5 Coal Transformation	-26	61	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-0	-	-199	-5	-	-	-24	-104
10. Discrepancy	6	-5	838	-79	0	-	-	-1	0
11 Total Final Energy Consumption	409	54	-	6,186	990	-	-	717	2,516
12 Industry Sector	409	54	-	1,737	13	-	-	16	446
13 Transport Sector	-	-	-	3,088	843	-	-	144	2,047
14 Other Sector	-	-	-	1,197	133	-	-	557	24
14.1 Residential & Commercial	-	-	-	992	0	-	-	525	3
14.2 Agriculture	-	-	-	34	13	-	-	0	5
14.3 Other	-	-	-	171	120	-	-	32	15
15 Non-energy	-	-	-	165	-	-	-	-	-

Energy Balance Table of Peru in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	828	1,529	-	2	2,083	-	-	9,080		
-	255	-	-	85	-	-	-	-	-	-	-	6,762		
-1,236	-45	-	-	-7	-	-	-	-	-	-	-	-2,966		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-5	-0	-	-	-2	-	-	-	-	-	-	-	23		
-1,241	210	-	-	76	828	1,529	-	2	2,083	-	-	12,899		
-	190	-	-	-	-	-	-	-	-	-	-	153		
2,428	445	82	-	215	-689	-1,529	-	-0	-135	2,108	-	-1,194		
-315	-	-	-	-	-689	-1,491	-	-	-	1,964	-	-1,016		
-18	-	-	-	-	-	-37	-	-0	-53	145	-	-102		
-	-	-	-	-	-	-	-	-	-	-	-	-		
2,761	445	82	-	215	-	-	-	-	-	-	-	128		
-	-	-	-	-	-	-	-	-	-	-	-	-121		
-	-	-	-	-	-	-	-	-0	-82	-	-	-82		
-91	-0	-56	-	-0	-85	-	-	-	-	-228	-	-473		
9	-201	-27	-	2	0	-	-	-0	-0	-27	-	-433		
1,105	643	-	-	293	55	-	-	1	1,948	1,853	-	10,952		
777	135	-	-	83	54	-	-	0	148	1,139	-	3,139		
17	21	-	-	-	-	-	-	-	-	-	-	3,772		
311	487	-	-	-	0	-	-	1	1,799	714	-	3,831		
7	486	-	-	-	0	-	-	1	1,799	714	-	3,455		
17	0	-	-	-	-	-	-	-	-	-	-	42		
286	0	-	-	-	-	-	-	-	-	-	-	334		
-	-	-	-	210	-	-	-	-	-	-	-	210		

Energy Balance Table of Peru in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	1,720	1,594	-	55	-	-	-	7,995		
-	332	-	-	116	-	-	-	-	-	-	-	6,667		
-1,447	-	-	-	-10	-	-	-	-	-	-	-	-3,449		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-159	-14	-	-	-51	-	-	-	-	-	-	-	-940		
-1,605	317	-	-	55	1,720	1,594	-	55	-	-	-	10,273		
-	-	-	-	-	-	-	-	-	-	-	-	-		
2,816	291	124	-	109	-982	-1,594	-	-	-	1,972	-	-1,419		
-259	-	-	-	-	-342	-1,558	-	-	-	1,837	-	-582		
-42	-	-	-	-1	-23	-36	-	-	-	135	-	-187		
-	-	-	-	-	-617	-	-	-	-	-	-	-743		
3,117	291	124	-	110	-	-	-	-	-	-	-	58		
-	-	-	-	-	-	-	-	-	-	-	-	35		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-21	-0	-44	-	-0	-247	-	-	-	-	-35	-	-481		
-0	0	-79	-	1	-470	-0	-	-	-	-199	-	90		
1,190	608	-	-	165	20	-	-	55	-	1,738	-	8,462		
1,134	127	-	-	-	20	-	-	-	-	1,032	-	3,252		
34	20	-	-	-	-	-	-	-	-	-	-	3,088		
21	462	-	-	-	0	-	-	55	-	705	-	1,958		
4	461	-	-	-	0	-	-	55	-	631	-	1,679		
15	0	-	-	-	-	-	-	-	-	47	-	80		
3	1	-	-	-	-	-	-	-	-	28	-	199		
-	-	-	-	165	-	-	-	-	-	-	-	165		

Major Energy Indicators of Peru

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	8,185	7,564	8,042	8,613	8,568	6,920	7,537	7,455	7,334
Indigenous Production	11,095	11,426	10,957	10,162	9,000	8,351	8,193	7,511	7,419
Import	195	109	339	1,025	2,004	663	1,668	2,429	2,636
Export	-3,191	-3,949	-3,173	-2,684	-2,305	-2,213	-2,267	-2,394	-2,659
Final Energy Consumption	6,214	5,842	6,282	6,892	6,859	6,137	6,208	6,229	6,124
Industry	2,224	2,070	2,154	2,294	2,171	1,913	1,958	2,465	2,002
Transport	2,260	2,121	2,263	2,598	2,608	2,364	2,499	2,233	2,387
Residential & Commercial	1,216	1,239	1,367	1,506	1,563	1,415	1,274	1,074	1,297
Agriculture	184	95	72	88	143	101	107	106	58
Coal, Coal Products									
Primary Energy Supply	142	115	163	184	181	201	145	281	275
Indigenous Production	29	89	104	76	84	87	68	39	61
Import	124	81	121	100	113	104	71	228	217
Export	-	-13	-15	-	-	-	-	-	-
Transformation Sector	32	19	29	26	29	13	6	-60	-15
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	53	112	118	110	111	122	100	197	296
Industry	53	105	111	103	101	111	93	185	290
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	7	7	7	10	11	7	12	7
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	7,532	8,400	8,368	8,498	8,050	6,620	7,149	7,437	7,287
Indigenous Production	9,869	9,656	9,084	8,243	7,137	6,568	6,493	5,798	5,854
Import	-	-	-	280	1,212	51	888	1,715	1,466
Export	-2,383	-1,290	-669	-156	-255	-50	-150	-52	-43
Transformation Sector	-7,379	-8,841	-8,727	-8,721	-8,329	-7,589	-7,432	-7,621	-7,546
Petroleum Refineries	-7,379	-8,841	-8,727	-8,721	-8,329	-7,589	-7,432	-7,621	-7,546
Petroleum Products									
Primary Energy Supply	-686	-2,632	-2,258	-1,912	-1,442	-1,597	-1,389	-1,937	-1,731
Import	71	28	218	645	679	508	709	486	953
Export	-808	-2,646	-2,489	-2,528	-2,050	-2,163	-2,117	-2,341	-2,616
Transformation Sector	6,411	7,904	7,829	7,932	7,530	6,734	6,689	7,004	6,576
Power Generation	-857	-685	-705	-733	-778	-793	-760	-598	-1,070
Petroleum Refineries	7,268	8,589	8,534	8,665	8,308	7,527	7,449	7,603	7,646
Final Energy Consumption	5,332	4,705	5,084	5,663	5,670	5,007	5,020	4,872	4,895
Industry	1,669	1,359	1,393	1,526	1,440	1,214	1,210	1,616	1,212
Transport	2,260	2,121	2,263	2,598	2,608	2,364	2,499	2,233	2,387
Residential & Commercial	918	850	969	1,086	1,142	1,003	854	598	899
Agriculture	155	58	33	47	106	82	87	74	27
Natural Gas									
Primary Energy Supply	594	874	919	927	882	802	757	708	671
Indigenous Production	594	874	919	927	882	802	757	708	671
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-150	-157	-179	-171	-183	-136	-135	-134	-101
Power Generation	-55	-78	-89	-87	-91	-71	-75	-71	-57
Final Energy Consumption	80	108	105	85	95	83	74	71	29
Industry	41	47	55	42	51	34	28	25	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	39	61	50	43	44	49	46	46	19
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	863	1,042	1,113	1,186	1,165	1,149	1,132	1,195	1,121
Thermal	260	235	263	270	268	255	257	229	288
Hydro	603	807	850	916	897	894	875	966	833
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	749	917	975	1,034	983	925	1,014	1,089	904
Industry	461	559	595	623	579	554	627	639	500
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	259	321	341	370	367	352	367	418	373
Agriculture	29	37	39	41	37	19	20	32	31

Major Energy Indicators of Peru (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
8,251	8,872	9,450	9,796	10,354	10,282	9,369	11,047	10,653	10,757	10,273	12,899
8,233	8,405	8,124	8,051	8,006	8,106	7,918	7,832	7,900	7,968	7,995	9,080
2,244	2,509	4,346	4,570	5,826	6,462	4,691	5,397	5,457	5,817	6,667	6,762
-2,411	-2,094	-2,561	-2,836	-3,499	-3,817	-2,452	-2,094	-2,835	-2,918	-3,449	-2,966
6,472	6,907	7,692	8,169	8,159	8,135	8,563	9,200	8,462	8,644	8,462	10,952
2,224	2,218	2,562	2,836	2,756	2,682	2,941	3,336	3,112	3,336	3,252	3,272
2,453	2,812	3,055	3,256	3,236	3,304	3,406	3,386	3,199	2,998	3,088	3,849
1,212	1,201	1,330	1,414	1,421	1,492	1,517	1,566	1,678	1,695	1,679	3,455
102	107	132	154	151	161	173	107	87	85	80	42
308	354	375	394	408	447	413	630	572	783	773	923
57	43	35	15	15	15	15	12	13	15	11	16
216	341	338	340	386	425	451	588	472	734	667	805
-	-	-	-	-	-	-	-	-	-	-	-
-89	-67	-57	-75	-110	-94	-40	-180	-190	-314	-311	-383
-	-	-	-	-	-	-	-99	-89	-225	-220	-262
289	294	290	314	321	357	343	430	382	483	463	530
278	286	282	307	315	345	306	430	382	483	463	530
-	-	-	-	-	-	-	-	-	-	-	-
8	8	8	7	6	7	6	-	-	-	-	0
-	-	-	-	-	2	2	0	0	-	-	-
7,725	7,579	6,974	6,783	7,703	8,252	5,994	7,268	7,712	7,512	7,212	7,916
6,379	6,431	6,151	6,077	5,973	5,732	5,179	4,829	4,705	4,687	4,615	4,623
1,176	1,094	2,419	2,842	4,038	4,784	2,931	3,090	3,744	3,728	4,212	4,219
-	-	-1,419	-1,885	-2,303	-2,171	-1,466	-687	-945	-1,082	-1,460	-841
-7,846	-7,721	-7,473	-7,516	-8,326	-8,570	-7,773	-7,740	-8,114	-8,060	-8,049	-7,273
-7,846	-7,721	-7,473	-7,516	-8,326	-8,570	-7,773	-7,740	-8,114	-8,060	-8,049	-7,273
-1,580	-992	162	660	224	-777	238	158	-813	-805	-1,081	-382
853	1,073	1,589	1,388	1,402	1,253	1,308	1,720	1,240	1,356	1,788	1,737
-2,411	-2,094	-1,142	-950	-1,196	-1,647	-987	-1,407	-1,891	-1,836	-1,989	-2,125
6,895	6,614	6,463	6,341	6,720	7,510	6,917	7,077	7,639	7,582	7,546	6,707
-806	-782	-926	-1,066	-1,139	-996	-853	-686	-525	-522	-561	-694
7,701	7,396	7,389	7,407	7,858	8,506	7,770	7,763	8,164	8,104	8,107	7,401
5,157	5,543	6,292	6,641	6,563	6,406	6,800	7,225	6,457	6,438	6,186	6,565
1,345	1,306	1,631	1,819	1,694	1,534	1,803	2,021	1,796	1,861	1,737	1,400
2,453	2,812	3,055	3,256	3,236	3,304	3,406	3,386	3,199	2,998	3,088	3,849
809	781	894	939	924	956	965	1,027	1,060	1,040	992	941
72	76	100	119	114	118	130	65	43	38	34	42
794	828	827	813	882	1,171	1,473	1,547	1,614	1,660	1,720	828
794	828	827	813	882	1,171	1,473	1,547	1,614	1,660	1,720	828
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-83	113	-97	-52	-135	-348	-448	-411	-434	-861	-982	-689
-56	-55	-58	-18	-104	-235	-271	-226	-243	-304	-366	-689
4	6	3	4	3	4	1	1	0	5	20	55
2	2	-	-	-	-	-	-	-	5	20	54
-	-	-	-	-	-	-	-	-	-	-	-
3	3	3	4	3	4	1	1	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
1,263	1,362	1,449	1,486	1,544	1,599	1,638	1,713	1,788	1,890	1,972	2,108
259	260	337	340	407	411	388	322	273	339	378	580
1,004	1,102	1,112	1,146	1,136	1,188	1,250	1,391	1,515	1,551	1,594	1,529
-	-	-	-	-	-	-	-	-	-	-	-
1,021	1,064	1,106	1,209	1,272	1,368	1,418	1,490	1,570	1,663	1,738	1,853
599	625	649	710	747	803	832	884	934	988	1,032	1,139
-	-	-	-	-	-	-	-	-	-	-	-
392	408	424	464	488	525	544	538	565	600	631	714
30	31	32	35	37	40	42	42	44	47	47	-

Major Economic Indicators of Peru

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	17.32	19.52	19.96	20.42	20.87	21.32	21.75	22.18
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	39.03	39.66	43.63	47.12	43.02	37.99	36.03	36.81
Real Term (Billions of 2000 Price and 2000 PPP)	90.19	91.65	100.81	108.88	99.41	87.77	83.26	85.06
Nominal (Billions of Current USD)	20.66	17.16	25.78	42.60	24.02	31.02	28.97	34.54
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	2,253	2,032	2,185	2,308	2,062	1,782	1,656	1,660
Real Term (2000 Price and 2000 PPP)	5,206	4,696	5,050	5,333	4,763	4,118	3,827	3,835
Nominal (Current USD)	1,193	880	1,291	2,086	1,151	1,455	1,332	1,557
Nominal GDP & its Components (Billions of Current PEN) *1								
Gross Domestic Product	5.968E-6	1.884E-4	3.596E-4	7.172E-4	3.094E-3	8.272E-2	5.443	26.686
Household Final Consumption Expenditure, etc.	3.431E-6	1.235E-4	2.530E-4	5.041E-4	1.850E-3	5.683E-2	4.011	20.607
General Government Final Consumption Expenditure	6.280E-7	1.792E-5	3.465E-5	7.152E-5	3.203E-4	8.656E-3	0.430	2.067
Gross Fixed Capital Formation	1.493E-6	3.429E-5	7.364E-5	1.427E-4	9.670E-4	1.442E-2	0.878	4.417
Stock Change	2.387E-7	4.140E-7	3.232E-6	1.141E-5	7.300E-5	2.704E-3	0.019	0.197
Exports of Goods and Services	1.337E-6	4.327E-5	5.013E-5	7.866E-5	5.828E-4	1.025E-2	0.858	3.260
Imports of Goods and Services	1.159E-6	3.100E-5	5.510E-5	9.121E-5	6.995E-4	1.014E-2	0.753	3.862
Real GDP & its Components (Billions of 1994 PEN) *1								
Gross Domestic Product	88.80	90.24	99.27	107.21	97.88	86.43	81.98	83.76
Household Final Consumption Expenditure, etc.	64.02	68.79	75.48	81.04	74.50	66.14	60.90	62.99
General Government Final Consumption Expenditure	7.19	8.45	9.17	9.56	8.05	6.51	7.38	7.53
Gross Fixed Capital Formation	16.36	10.77	14.25	16.40	16.76	12.26	13.72	13.93
Stock Change	3.49	0.30	1.13	3.10	0.81	0.59	0.21	0.64
Exports of Goods and Services	9.03	10.09	9.13	8.43	7.58	9.00	9.26	9.80
Imports of Goods and Services	11.28	8.17	9.91	11.33	9.81	8.07	9.50	11.13
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	6.3	7.4	7.1	6.8	8.0	8.7	8.5	8.5
Industry	26.4	24.0	25.9	27.1	25.3	24.8	25.9	26.4
Services, etc.	57.6	59.7	57.6	56.4	57.6	57.6	56.4	55.8
Manufacturing Production Index (2000=100) *2	89.8	80.1	94.5	107.7	93.9	75.7	70.2	75.0
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	3.898	2.979	2.531	2.661	2.701	3.488	3.230	3.329
Imports, c.i.f.	2.573	1.767	2.391	3.003	3.109	2.009	2.634	2.813
Balance of Payments (Billions of Current USD) *2								
Trade Balance	0.826	1.219	-0.073	-0.500	-0.134	1.246	0.399	-0.189
Current Account	-0.101	0.102	-1.393	-2.065	-1.819	-0.570	-1.419	-1.504
Overall Balance	0.279	-1.594	-2.746	-3.867	-3.056	-2.610	-2.141	-0.504
Foreign Exchange Rate (PEN/USD) *1	2.889E-7	1.097E-5	1.395E-5	1.684E-5	1.288E-4	0.00267	0.18789	0.77250
Purchasing Power Parity (PEN/International Dollar) *1	1.200E-7	2.841E-6	4.905E-6	8.838E-6	3.754E-5	0.00106	0.07983	0.35675
Price Indices								
GDP Deflator (1994=100) *3	6.72E-6	2.09E-4	3.62E-4	6.69E-4	3.16E-3	0.096	6.639	31.86
Wholesale Price Index (2000=100) *2	5.53E-6	1.87E-4	3.00E-4	4.54E-4	3.31E-3	0.086	5.902	23.98
Consumer Price Index (2000=100) *2	1.75E-6	5.90E-5	1.05E-4	1.95E-4	1.50E-3	0.052	3.971	20.23
Growth Rate (%) *3								
Real GDP	3.08	2.80	10.00	8.00	-8.70	-11.70	-5.14	2.17
Population	2.60	2.33	2.30	2.27	2.21	2.14	2.05	1.96
Price								
Wholesale Price Index	N.A.	173.9	60.3	51.5	627.9	2,510.3	6,737.4	306.3
Consumer Price Index	59.1	163.4	77.9	85.8	667.0	3,398.7	7,481.7	409.5

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. shows "not available"

: PEN shows Nuevo Sol, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Peru (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
22.60	23.01	23.42	23.84	24.26	24.68	25.11	25.54	25.95	26.36	26.76	27.16	27.56
36.66	38.40	43.33	47.05	48.22	51.52	51.17	51.62	53.13	53.23	55.81	58.07	60.86
84.70	88.73	100.11	108.71	111.42	119.04	118.23	119.27	122.76	122.99	128.96	134.18	140.63
36.08	34.83	44.91	53.64	55.81	59.03	56.62	51.39	53.13	53.70	56.49	60.80	68.63
1,622	1,669	1,850	1,974	1,988	2,087	2,038	2,022	2,047	2,019	2,085	2,138	2,208
3,748	3,856	4,274	4,560	4,593	4,822	4,708	4,671	4,730	4,666	4,819	4,940	5,102
1,597	1,514	1,918	2,250	2,301	2,391	2,255	2,013	2,047	2,037	2,111	2,238	2,490
44.953	69.262	98.577	120.858	136.929	157.274	165.893	173.881	185.426	188.313	198.657	211.492	234.259
34.934	52.995	71.307	85.933	98.598	110.925	118.629	122.196	131.565	136.040	142.534	149.824	161.042
3.566	5.568	8.672	11.786	13.827	15.487	17.568	19.038	19.717	20.290	20.386	21.892	23.728
7.405	12.697	20.901	29.095	30.747	37.472	39.163	37.840	37.610	34.862	35.128	37.748	42.229
0.375	0.679	1.030	0.918	0.537	0.337	0.091	-0.303	-0.066	0.220	2.177	2.037	1.101
5.628	8.627	12.590	15.118	17.975	22.272	22.076	25.855	29.851	30.020	32.811	37.378	48.968
6.954	11.304	15.922	21.991	24.754	29.219	31.014	29.907	33.396	33.260	34.379	37.387	42.809
83.40	87.37	98.58	107.04	109.71	117.21	116.41	117.45	120.88	121.10	126.98	132.12	138.47
62.79	64.93	71.31	78.20	80.58	84.08	83.38	83.06	85.95	87.16	91.25	94.17	97.40
7.74	7.98	8.67	9.41	9.82	10.57	10.83	11.21	11.56	11.57	11.48	11.91	12.39
14.06	15.63	20.90	25.47	24.74	28.52	28.11	24.99	23.74	21.78	21.63	22.79	24.71
0.70	0.86	1.03	0.91	0.36	0.31	0.14	-0.53	-0.04	0.12	1.05	1.13	0.58
10.23	10.55	12.59	13.29	14.47	16.36	17.27	18.59	20.07	21.49	23.04	24.46	28.06
12.11	12.57	15.92	20.23	20.26	22.72	23.25	19.72	20.43	21.00	21.48	22.34	24.66
8.0	8.2	8.3	8.2	8.4	8.3	8.3	9.1	9.5	9.4	9.5	9.3	9.1
26.0	26.8	28.1	27.8	27.5	27.9	27.9	27.6	25.5	25.6	26.0	26.4	26.7
56.4	55.4	53.8	53.8	54.1	53.7	53.6	53.6	55.4	55.4	54.9	54.4	53.7
72.5	75.0	87.5	92.3	93.7	98.6	95.2	94.5	100.0	100.5	104.7	107.1	114.5
3.484	3.514	4.554	5.575	5.897	6.841	5.757	6.113	7.028	7.013	7.723	8.986	12.547
3.964	4.231	5.626	7.584	7.947	8.588	8.220	7.404	7.415	7.316	7.493	8.414	10.101
-0.340	-0.776	-1.075	-2.241	-1.991	-1.678	-2.437	-0.655	-0.411	-0.195	0.292	0.836	2.792
-1.886	-2.464	-2.701	-4.625	-3.646	-3.367	-3.321	-1.464	-1.526	-1.144	-1.063	-0.935	-0.011
-0.922	-0.359	1.553	-0.590	0.880	2.055	-1.241	-0.862	-0.130	0.432	1.010	0.561	2.456
1.24583	1.98832	2.19500	2.25333	2.45333	2.66417	2.93000	3.38333	3.49000	3.50683	3.51650	3.47847	3.41318
0.61066	0.87386	1.08033	1.19951	1.31056	1.39182	1.46045	1.49045	1.51044	1.50412	1.48206	1.47591	1.50225
53.90	79.27	100.0	112.9	124.8	134.2	142.5	148.1	153.4	155.5	156.4	160.1	169.2
37.70	55.62	65.6	72.5	79.3	85.2	91.4	95.8	100.0	101.4	100.3	102.0	107.4
35.11	52.16	64.5	71.7	80.0	86.9	93.1	96.4	100.0	102.0	102.2	104.5	108.3
-0.43	4.76	12.82	8.58	2.49	6.84	-0.68	0.89	2.92	0.18	4.85	4.05	4.81
1.88	1.82	1.79	1.78	1.77	1.76	1.73	1.69	1.63	1.57	1.53	1.49	1.48
57.2	47.6	17.9	10.5	9.4	7.4	7.3	4.9	4.3	1.4	-1.0	1.7	5.2
73.5	48.6	23.7	11.1	11.5	8.6	7.2	3.5	3.8	2.0	0.2	2.3	3.7

Original Table (Quarterly) of Peru in 2005

Coal		Unit: 1000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	-	-	-
	FEB.	-	-	-	-
	MAR.	-	-	-	-
	1st quarter	-	-	-	-
	APR.	-	-	-	-
	MAY.	-	-	-	-
	JUN.	-	-	-	-
	2nd quarter	-	-	-	-
	JUL.	-	-	-	-
	AUG.	-	-	-	-
	SEP.	-	-	-	-
	3rd quarter	-	-	-	-
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Oil		Unit: 1000bbl						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	2,301	2,930	362	183	622	1,995	49
	FEB.	2,131	2,487	380	244	499	2,021	62
	MAR.	2,282	2,469	361	266	804	1,728	-7
	1st quarter	6,714	7,886	1,104	693	1,925	5,744	104
	APR.	2,280	3,378	359	-709	888	1,959	234
	MAY.	2,317	2,861	807	193	1,195	2,133	-148
	JUN.	2,285	3,374		596	577	2,048	-245
	2nd quarter	6,882	9,613	1,166	80	2,660	6,140	-159
	JUL.	2,346	3,762	361	-162	637	2,177	511
	AUG.	2,382	2,584	348	-538	967	2,845	-204
	SEP.	2,285	2,510	338	224	113	1,383	-27
	3rd quarter	7,013	8,857	1,047	-476	1,717	6,405	280
	OCT.							
	NOV.							
	DEC.							
	4th quarter							

Original Table (Quarterly) of Peru in 2005 (Continued)

Natural Gas (or LNG)

Unit: 1,000m³

		Production	Imports	Exports	Stock Changes
2005	JAN.	3,106	-	-	-
	FEB.	2,470	-	-	-
	MAR.	2,997	-	-	-
	1st quarter	8,573	-	-	-
	APR.	3,056	-	-	-
	MAY.	4,693	-	-	-
	JUN.	5,264	-	-	-
	2nd quarter	13,013	-	-	-
	JUL.	5,743	-	-	-
	AUG.	5,539	-	-	-
	SEP.	5,646	-	-	-
	3rd quarter	16,929	-	-	-
	OCT.				
	NOV.				
	DEC.				
	4th quarter				

Electricity

Unit: GWh

		Gross Generation				Imports	Exports
		Total	Thermal	Hydro	Nuclear		
2005	JAN.	2,098	355	1,743	-	-	-
	FEB.	1,944	313	1,631	-	-	-
	MAR.	2,147	376	1,771	-	-	-
	1st quarter	6,188	1,044	5,144	-	-	-
	APR.	2,090	427	1,663	-	0	-
	MAY.	2,169	733	1,437	-	0	7
	JUN.	2,054	745	1,309	-	0	-
	2nd quarter	6,314	1,905	4,409	-	0	-
	JUL.	2,074	747	1,327	-	0	-
	AUG.	2,139	825	1,314	-	0	-
	SEP.	2,105	829	1,276	-	0	-
	3rd quarter	6,318	2,401	3,917	-	0	-
	OCT.						
	NOV.						
	DEC.						
	4th quarter						

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.15 Philippines

Energy Balance Table of Philippines in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	1,310	-	466	4	-	-	-	-	4
2 Import	3,681	-	10,175	6,613	1,425	-	364	153	2,831
3 Export	-	-	-442	-899	-40	-284	-	-	-105
4 International Marine Bunkers	-	-	-	-139	-	-	-	-	-35
5 Stock Changes	-	-	350	-62	-40	19	-6	-2	-
6 Total Primary Energy Supply	4,991	-	10,548	5,517	1,344	-265	358	151	2,694
7 Transfers	-	-	-458	458	-	-	-	-	-
8 Total Transformation Sector	-3,446	-	-9,759	7,523	1,523	228	582	233	2,801
8.1 Main Activity Producer	-3,446	-	-	-2,011	-	-	-	-	-205
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-9,759	9,534	1,523	228	582	233	3,007
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-30	-	-	-458	-	-	-	-	-
10. Discrepancy	-460	-	-331	-19	100	37	-7	-13	-53
11 Total Final Energy Consumption	1,055	-	-	13,021	2,967	-	933	371	5,443
12 Industry Sector	1,055	-	-	2,186	-	-	-	74	586
13 Transport Sector	-	-	-	8,662	2,959	-	933	-	4,358
14 Other Sector	-	-	-	2,173	7	-	-	297	498
14.1 Residential & Commercial	-	-	-	1,767	-	-	-	293	233
14.2 Agriculture	-	-	-	69	7	-	-	2	51
14.3 Other	-	-	-	336	-	-	-	2	215
15 Non-energy	-	-	-	-	-	-	-	-	-

Energy Balance Table of Philippines in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	882	-	674	-	-	-	-	-	-
2 Import	3,079	-	12,294	4,567	1,101	29	229	100	1,875
3 Export	-	-	-654	-1,575	-7	-522	-	-	-132
4 International Marine Bunkers	-	-	-	-782	-	-	-	-	-
5 Stock Changes	-	-	-112	-36	-3	-30	-1	-4	-42
6 Total Primary Energy Supply	3,961	-	12,202	2,174	1,091	-523	228	96	1,701
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-3,050	-	-11,860	10,023	1,945	557	638	356	3,722
8.1 Main Activity Producer	-3,050	-	-	-1,613	-	-	-	-	-148
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-11,860	11,636	1,945	557	638	356	3,870
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-29	-	-514	-	-	-	-	-	-
10. Discrepancy	2	-	172	958	10	3	-8	-29	166
11 Total Final Energy Consumption	885	-	-	13,155	3,046	37	857	423	5,589
12 Industry Sector	770	-	-	2,088	-	-	-	82	625
13 Transport Sector	-	-	-	8,673	3,038	-	857	-	4,375
14 Other Sector	-	-	-	2,269	8	-	-	341	590
14.1 Residential & Commercial	-	-	-	1,920	-	-	-	336	290
14.2 Agriculture	-	-	-	349	8	-	-	5	300
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	115	-	-	125	-	37	-	-	-

Energy Balance Table of Philippines in 2004 (Continued)

													unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	2,059	739	-	8,843	10,284	-	-	23,705	
1,025	816	-	-	-	-	-	-	-	-	-	-	20,469	
-469	-	-	-	-	-	-	-	-	-	-	-	-1,341	
-104	-	-	-	-	-	-	-	-	-	-	-	-139	
-23	-7	-	-	-2	-	-	-	-	-194	-	-	93	
428	809	-	-	-2	2,059	739	-	8,843	10,090	-	-	42,787	
-	-	-	-	458	-	-	-	-	-	-	-	-	
1,734	289	-	-	133	-1,963	-739	-	-8,843	-1,360	4,812	-	-13,774	
-1,805	-	-	-	-	-1,963	-739	-	-8,843	-	4,812	-	-12,189	
-	-	-	-	-	-	-	-	-0	-	-	-	-0	
-	-	-	-	-	-	-	-	-	-	-	-	-	
3,539	289	-	-	133	-	-	-	-	-	-	-	-226	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-1,360	-	-	-1,360	
-	-	-	-	-458	-94	-	-	-	-	-1,022	-	-1,604	
-147	104	-	-	-40	-2	-	-	-	-0	0	-	-811	
2,015	1,202	-	-	91	0	-	-	-	8,730	3,791	-	26,597	
1,366	159	-	-	-	-	-	-	-	1,683	1,291	-	6,215	
412	-	-	-	-	0	-	-	-	-	6	-	8,668	
236	1,043	-	-	91	-	-	-	-	7,048	2,494	-	11,715	
199	1,043	-	-	-	-	-	-	-	7,048	2,486	-	11,301	
9	-	-	-	-	-	-	-	-	-	7	-	76	
29	-	-	-	91	-	-	-	-	-	2	-	338	
-	-	-	-	-	-	-	-	-	-	-	-	-	

Energy Balance Table of Philippines in 2003 (Continued)

													unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	2,628	677	-	8,447	-	-	-	13,308	
394	737	-	-	103	-	-	-	-	-	-	-	19,940	
-718	-9	-	-	-188	-	-	-	-	-	-	-	-2,229	
-782	-	-	-	-	-	-	-	-	-	-	-	-782	
51	-4	-	-	-3	-	-	-	-	-	-	-	-148	
-1,056	725	-	-	-88	2,628	677	-	8,447	-	-	-	30,088	
-	-	-	-	-	-	-	-	-	-	-	-	-	
2,286	425	-	-	95	-2,628	-677	-	-8,447	-	4,546	-	-12,092	
-1,465	-	-	-	-	-2,628	-677	-	-8,447	-	4,546	-	-11,868	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
3,750	425	-	-	95	-	-	-	-	-	-	-	-224	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-879	-	-1,422	
669	66	-	-	81	-	-	-	-	-	-0	-	1,133	
1,899	1,215	-	-	88	-	-	-	-	-	3,667	-	17,707	
1,242	139	-	-	-	-	-	-	-	-	1,299	-	4,158	
402	-	-	-	-	-	-	-	-	-	5	-	8,677	
254	1,076	-	-	-	-	-	-	-	-	2,363	-	4,631	
218	1,076	-	-	-	-	-	-	-	-	2,357	-	4,277	
36	-	-	-	-	-	-	-	-	-	6	-	355	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	88	-	-	-	-	-	-	-	240	

Major Energy Indicators of Philippines

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	12,441	12,650	12,538	13,421	14,172	15,748	17,319	17,612	19,054
Indigenous Production	2,703	5,638	5,423	5,141	5,582	5,936	6,009	6,135	6,458
Import	10,525	7,360	7,711	9,316	10,459	10,944	12,078	12,103	13,833
Export	-133	-165	-394	-263	-582	-407	-663	-794	-906
Final Energy Consumption	9,041	7,049	7,441	7,409	9,436	9,439	10,275	9,797	10,488
Industry	4,666	3,395	3,681	2,858	3,596	3,939	3,796	3,985	4,089
Transport	2,289	2,019	2,093	2,840	3,220	3,194	3,779	4,050	4,558
Residential & Commercial	1,129	1,093	1,110	1,182	1,440	1,622	2,050	1,762	1,842
Agriculture	-	-	-	-	-	-	208	-	-
Coal, Coal Products									
Primary Energy Supply	269	1,159	883	941	1,211	1,003	1,042	1,290	1,253
Indigenous Production	151	580	568	544	609	563	567	601	757
Import	118	579	440	286	602	441	622	655	503
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-47	-801	-562	-605	-509	-490	-420	-426	-401
Power Generation	-47	-801	-562	-605	-509	-490	-420	-426	-401
Final Energy Consumption	82	309	295	332	649	645	585	566	458
Industry	82	309	295	332	649	645	585	566	458
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	9,146	6,203	6,838	7,775	8,701	9,120	10,332	10,036	11,161
Indigenous Production	462	341	402	248	269	243	220	139	417
Import	8,684	6,236	6,436	7,808	9,038	9,051	10,227	9,787	11,365
Export	-	-	-	-	-	-	-	-	-301
Transformation Sector	-8,809	-6,201	-6,853	-7,786	-8,907	-9,117	-10,333	-9,893	-11,041
Petroleum Refineries	-8,809	-6,201	-6,853	-7,786	-8,907	-9,117	-10,333	-9,893	-11,041
Petroleum Products									
Primary Energy Supply	937	572	364	356	-445	494	723	891	1,356
Import	1,723	545	834	1,222	819	1,453	1,229	1,661	1,965
Export	-133	-165	-394	-263	-582	-407	-663	-794	-605
Transformation Sector	5,522	4,208	5,232	5,268	6,144	6,116	7,203	6,096	6,943
Power Generation	-2,547	-1,586	-1,229	-2,126	-2,240	-2,469	-2,600	-3,293	-3,548
Petroleum Refineries	8,069	5,794	6,461	7,394	8,383	8,586	9,803	9,389	10,491
Final Energy Consumption	7,671	5,302	5,695	5,688	6,644	6,912	8,032	7,391	8,255
Industry	3,878	2,312	2,666	1,984	2,211	2,538	2,450	2,615	2,869
Transport	2,289	2,019	2,093	2,840	3,220	3,194	3,779	3,968	4,487
Residential & Commercial	625	430	484	473	659	797	1,164	808	899
Agriculture	-	-	-	-	-	-	198	-	-
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	-	-	-
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-	-	-
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	1,538	1,873	1,789	1,915	2,078	2,165	2,227	2,206	2,225
Thermal	1,235	1,395	1,271	1,464	1,539	1,608	1,706	1,763	1,843
Hydro	303	478	517	451	539	558	521	442	382
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	1,287	1,438	1,452	1,389	1,538	1,708	1,658	1,839	1,775
Industry	706	775	720	542	737	756	762	803	762
Transport	-	-	-	-	-	-	-	82	71
Residential & Commercial	505	663	627	708	781	825	886	954	943
Agriculture	-	-	-	-	-	-	10	-	-

Major Energy Indicators of Philippines (Continued)

ktoe											
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
19,296	21,553	22,978	24,789	27,423	27,307	29,953	31,399	29,910	30,287	30,088	42,787
6,418	6,819	6,527	6,780	7,259	8,673	10,373	11,458	10,380	12,585	13,308	23,705
14,082	15,556	17,813	19,251	20,630	19,539	20,577	21,873	21,604	20,244	19,940	20,469
-990	-751	-931	-1,303	-1,260	-855	-1,111	-1,824	-1,370	-1,994	-2,229	-1,341
11,564	12,578	14,105	15,088	15,044	15,456	17,112	17,066	17,308	17,260	17,707	26,597
4,544	5,002	5,651	5,646	3,294	4,029	3,682	3,431	3,594	4,151	4,158	6,215
5,077	5,400	6,078	6,862	7,013	7,516	8,274	8,214	8,784	8,429	8,677	8,668
1,943	2,176	2,376	2,580	3,789	3,620	4,456	4,762	4,352	4,128	4,277	11,301
-	-	-	-	559	-	456	326	254	324	355	76
1,292	1,162	1,310	1,910	2,469	2,038	2,968	4,119	4,280	3,982	3,961	4,991
688	661	588	505	491	527	480	649	590	729	882	1,310
581	508	780	1,361	1,935	1,499	2,499	3,474	3,644	3,310	3,079	3,681
-	-	-	-	-	-	-	-	-	-	-	-
-467	-393	-613	-1,097	-1,519	-1,709	-2,223	-3,374	-3,397	-3,214	-3,050	-3,446
-467	-393	-613	-1,097	-1,519	-1,709	-2,223	-3,374	-3,397	-3,214	-3,050	-3,446
561	617	657	639	850	785	695	650	809	711	885	1,055
561	617	657	639	703	679	590	524	696	622	770	1,055
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
10,873	11,194	15,126	16,561	17,774	15,010	16,116	15,357	14,762	13,036	12,202	10,548
424	213	122	42	22	37	45	52	64	719	674	466
10,687	11,290	15,205	16,345	16,463	14,889	15,804	15,272	15,003	12,650	12,294	10,175
-263	-168	-88	-	-	-	-	-	-	-447	-654	-442
-10,957	-11,192	-14,987	-16,152	-16,713	-15,961	-15,900	-14,955	-15,387	-12,692	-11,860	-9,759
-10,957	-11,192	-14,987	-16,152	-16,713	-15,961	-15,900	-14,955	-15,387	-12,692	-11,860	-9,759
1,824	3,252	724	85	435	2,150	1,022	1,166	1,141	2,131	2,174	5,517
2,814	3,758	1,828	1,545	2,232	3,150	2,273	3,127	2,957	4,283	4,567	6,613
-726	-583	-843	-1,303	-1,260	-855	-1,111	-1,824	-1,370	-1,546	-1,575	-899
6,834	6,792	10,315	11,822	11,348	11,187	12,501	12,630	11,469	10,370	10,023	7,523
-3,625	-3,926	-4,183	-4,006	-4,541	-4,157	-3,256	-2,174	-2,479	-1,623	-1,613	-2,011
10,459	10,718	14,497	15,828	15,889	15,344	15,757	14,805	13,947	11,993	11,636	9,534
9,180	9,846	11,161	11,935	11,461	11,735	13,523	13,272	13,133	13,227	13,155	13,021
3,176	3,466	4,052	3,988	1,846	2,272	2,312	1,772	1,656	2,357	2,088	2,186
5,015	5,334	5,986	6,761	7,010	7,513	8,272	8,183	8,695	8,424	8,673	8,662
989	1,045	1,122	1,185	1,912	1,846	2,460	2,820	2,318	1,988	1,920	1,767
-	-	-	-	449	-	339	290	254	319	349	69
-	6	5	9	-	8	63	87	135	1,724	2,628	2,059
-	6	5	9	-	8	63	87	135	1,724	2,628	2,059
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-6	-5	-9	-	-8	-63	-87	-135	-1,724	-2,628	-1,963
-	-6	-5	-9	-	-8	-63	-87	-135	-1,724	-2,628	-1,963
-	-	-	-	-	-	-	-	-	-	-	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
2,286	2,620	2,887	3,158	3,427	3,576	3,551	3,895	4,046	4,168	4,546	4,812
1,854	2,116	2,351	2,554	2,905	3,140	2,877	3,224	3,435	3,563	3,869	4,073
433	504	536	605	522	436	674	671	611	605	677	739
-	-	-	-	-	-	-	-	-	-	-	-
1,824	2,115	2,287	2,515	2,733	2,936	2,894	3,144	3,366	3,322	3,667	3,791
808	919	942	1,019	744	1,079	779	1,134	1,243	1,172	1,299	1,291
62	66	92	100	2	2	3	31	90	5	5	6
954	1,131	1,254	1,395	1,877	1,774	1,996	1,942	2,033	2,140	2,357	2,486
-	-	-	-	110	-	117	36	-	5	6	7

Major Economic Indicators of Philippines

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	48.09	54.27	55.58	56.92	58.29	59.69	61.10	62.54
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	47.58	44.62	46.14	48.13	51.38	54.57	56.23	55.90
Real Term (Billions of 2000 Price and 2000 PPP)	191.35	179.46	185.59	193.59	206.67	219.49	226.16	224.85
Nominal (Billions of Current USD)	32.45	30.73	29.87	33.20	37.89	42.58	44.31	45.42
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	989	822	830	846	881	914	920	894
Real Term (2000 Price and 2000 PPP)	3,979	3,307	3,339	3,401	3,545	3,677	3,701	3,595
Nominal (Current USD)	675	566	537	583	650	713	725	726
Nominal GDP & its Components (Billions of Current PHP) *1								
Gross Domestic Product	243.75	571.88	608.89	682.76	799.18	925.44	1,077.24	1,248.01
Household Final Consumption Expenditure, etc.	156.82	420.83	444.53	482.33	558.76	649.28	767.06	916.38
General Government Final Consumption Expenditure	22.10	43.52	48.43	57.33	72.18	88.19	108.84	123.89
Gross Fixed Capital Formation	66.35	94.17	97.71	112.66	142.23	192.66	248.95	250.15
Stock Change	4.55	-12.12	-4.93	6.81	6.97	7.23	11.21	2.18
Exports of Goods and Services	57.46	137.34	160.31	181.90	226.91	260.16	296.42	369.38
Imports of Goods and Services	69.40	125.20	136.23	179.03	215.29	280.12	358.55	406.70
Real GDP & its Components (Billions of 1985 PHP) *1								
Gross Domestic Product	609.77	571.88	591.42	616.92	658.58	699.45	720.69	716.52
Household Final Consumption Expenditure, etc.	397.40	420.83	434.82	452.39	480.56	504.62	531.77	543.79
General Government Final Consumption Expenditure	50.18	43.52	43.67	45.79	49.94	53.43	57.04	55.83
Gross Fixed Capital Formation	150.72	94.17	95.08	101.63	118.25	143.80	165.36	141.90
Stock Change	10.35	-12.12	-4.78	6.46	5.71	5.51	7.59	1.14
Exports of Goods and Services	167.52	137.34	160.57	171.53	196.46	213.89	217.86	231.51
Imports of Goods and Services	182.77	125.20	138.02	177.53	212.36	244.59	269.15	266.14
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	23.5	24.6	24.6	24.4	23.6	22.9	22.3	22.7
Industry	40.5	35.1	34.7	34.6	35.2	35.6	35.5	34.7
Services, etc.	36.0	40.4	40.7	41.0	41.2	41.5	42.2	42.5
Manufacturing Production Index (2000=100) *2	N.A.	55.1	54.8	67.6	88.8	100.2	109.9	132.7
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	5.741	4.607	4.771	5.649	7.032	7.755	8.117	8.801
Imports, c.i.f.	8.295	5.459	5.394	7.144	8.721	11.171	13.042	12.858
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-1.939	-0.482	-0.202	-1.017	-1.085	-2.598	-4.020	-3.211
Current Account	-1.917	-0.036	0.952	-0.444	-0.390	-1.456	-2.695	-1.034
Overall Balance	0.891	0.838	1.134	-0.058	0.674	0.300	-0.045	1.755
Foreign Exchange Rate (PHP/USD) *1	7.5114	18.6073	20.3857	20.5677	21.0947	21.7367	24.3105	27.4786
Purchasing Power Parity (PHP/International Dollar) *1	2.2588	4.2315	4.2707	4.5059	4.7962	5.0373	5.5696	6.3379
Price Indices								
GDP Deflator (1985=100) *3	40.0	100.0	103.0	110.7	121.3	132.3	149.5	174.2
Wholesale Price Index (2000=100) *2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2000=100) *2	13.5	31.7	31.6	32.5	36.5	40.7	46.0	54.5
Growth Rate (%) *3								
Real GDP	5.15	-7.31	3.42	4.31	6.75	6.21	3.04	-0.58
Population	2.62	2.41	2.42	2.42	2.41	2.39	2.37	2.34
Price								
Wholesale Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	18.2	23.2	-0.3	3.0	12.2	11.4	13.2	18.5

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. shows "not available"

: PHP shows Philippine Peso, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Philippines (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
63.99	65.45	66.92	68.40	69.87	71.35	72.82	74.29	75.77	77.24	78.71	80.17	81.62
56.09	57.28	59.79	62.59	66.25	69.69	69.28	71.64	75.91	77.24	80.59	83.48	88.55
225.61	230.38	240.49	251.74	266.46	280.28	278.66	288.12	305.32	310.68	324.15	335.76	356.14
52.98	54.37	64.08	74.12	82.85	82.34	65.17	76.16	75.91	72.04	76.73	77.68	84.57
877	875	893	915	948	977	951	964	1,002	1,000	1,024	1,041	1,085
3,526	3,520	3,594	3,681	3,814	3,928	3,827	3,878	4,030	4,022	4,119	4,188	4,364
828	831	958	1,084	1,186	1,154	895	1,025	1,002	933	975	969	1,036
1,351.56	1,474.46	1,692.93	1,905.95	2,171.92	2,426.74	2,665.06	2,976.90	3,354.73	3,673.69	3,959.65	4,210.50	4,739.14
1,019.21	1,122.53	1,258.75	1,411.90	1,595.35	1,762.01	1,980.09	2,161.65	2,335.54	2,565.02	2,750.85	2,988.24	3,344.22
130.52	149.06	182.78	217.04	259.50	319.93	354.41	389.24	438.86	444.83	457.52	477.41	494.57
282.78	350.54	400.14	423.20	508.74	592.58	563.64	568.25	710.49	651.29	693.03	715.49	797.87
5.62	3.05	7.23	4.70	12.86	8.67	-21.54	-10.00	-0.42	37.76	2.11	-0.26	27.49
393.71	462.38	572.65	692.95	879.77	1,188.05	1,389.86	1,532.16	1,858.58	1,785.23	1,968.52	2,125.37	2,440.95
459.91	586.93	679.44	842.07	1,070.61	1,438.91	1,566.62	1,527.42	1,794.72	1,899.39	1,988.49	2,212.68	2,413.49
718.94	734.16	766.37	802.22	849.12	893.15	888.00	918.16	972.96	990.04	1,032.97	1,069.95	1,134.91
561.51	578.59	600.11	622.99	651.79	684.32	707.90	726.58	752.07	779.01	810.75	853.60	903.13
55.34	58.75	62.34	65.81	68.53	71.70	70.30	75.04	79.65	75.41	72.61	74.42	74.42
150.97	164.12	176.39	184.67	206.85	230.59	204.83	200.17	240.06	208.79	211.68	218.15	227.34
3.28	2.27	4.41	2.46	3.59	4.46	-8.03	-7.28	-1.00	12.83	-1.19	-2.87	8.49
241.43	256.45	307.21	344.18	397.20	465.32	367.45	380.75	445.67	430.34	445.79	464.05	529.62
289.27	322.55	369.33	428.47	500.19	567.67	484.23	470.67	490.77	508.04	532.05	584.42	619.11
22.8	22.8	22.4	21.5	21.1	20.7	19.5	20.1	19.8	20.1	20.1	19.0	18.8
34.4	34.3	34.7	35.4	35.6	35.9	35.3	34.5	35.5	35.2	33.8	33.8	33.6
42.8	43.0	42.9	43.1	43.3	43.4	45.1	45.4	44.8	44.8	46.2	47.2	47.6
142.1	169.8	192.3	227.3	246.8	268.5	80.1	86.7	100.0	108.3	106.5	115.1	125.1
9.751	11.129	13.304	17.502	20.408	24.882	29.414	36.576	39.783	32.664	36.502	37.026	39.689
15.465	18.772	22.641	28.341	34.126	38.622	31.496	32.568	37.027	34.921	37.180	39.502	42.345
-4.695	-6.222	-7.850	-8.944	-11.342	-11.127	-0.028	4.959	3.814	-0.743	0.407	-5.455	-6.381
-1.000	-3.016	-2.950	-1.980	-3.953	-4.351	1.546	7.219	6.258	1.323	4.383	1.396	2.080
1.689	0.336	2.327	1.235	4.338	-3.094	1.279	3.650	-0.376	0.296	-0.111	-0.079	-1.587
25.5125	27.1198	26.4172	25.7145	26.2161	29.4707	40.8931	39.0890	44.1922	50.9926	51.6036	54.2033	56.0399
6.7663	7.1117	7.6749	8.1047	8.6757	9.0703	9.9998	10.6700	10.9876	11.4865	12.0235	12.3329	12.8057
188.0	200.8	220.9	237.6	255.8	271.7	300.1	324.2	344.8	371.1	383.3	393.5	417.6
N.A.	64.1	66.7	69.6	72.4	74.9	83.1	88.9	100.0	117.0	120.4	130.2	140.0
59.2	63.3	68.6	73.2	78.7	83.1	90.8	96.2	100.0	106.8	110.0	113.8	120.6
0.34	2.12	4.39	4.68	5.85	5.19	-0.58	3.40	5.97	1.76	4.34	3.58	6.07
2.32	2.29	2.25	2.20	2.16	2.11	2.07	2.02	1.98	1.94	1.90	1.86	1.81
N.A.	N.A.	4.1	4.2	4.1	3.5	10.9	7.0	12.5	17.0	2.9	8.1	7.5
8.6	6.9	8.4	6.7	7.5	5.6	9.3	5.9	4.0	6.8	3.0	3.5	6.0

3.16 Russia

Energy Balance Table of Russia in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	130,063	-	458,534	-	-	-	-	-	-
2 Import	12,196	141	4,230	581	553	-	-	-	2
3 Export	-37,515	-2,683	-258,912	-72,177	-4,514	-	-	-	-31,091
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	1,987	-50	-1,388	-36	-376	-	-	-	180
6 Total Primary Energy Supply	106,730	-2,591	202,464	-71,633	-4,337	-	-	-	-30,910
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-97,659	42,455	-198,314	158,869	32,641	-	-	-	55,724
8.1 Main Activity Producer	-50,711	-	-	-5,875	-	-	-	-	-
8.2 Autoproducers	-20,099	-5,159	-915	-11,009	-	-	-	-	-1,492
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-197,399	185,053	32,641	-	-	-	57,328
8.5 Coal Transformation	-26,849	47,614	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-9,301	-	-	-	-	-112
9. Loss & Own Use	-527	-12	-3,945	-11,548	-	-	-	-	-800
10. Discrepancy	-28	0	0	1	-0	-	-	-	0
11 Total Final Energy Consumption	8,517	39,852	206	75,688	28,304	-	-	-	24,014
12 Industry Sector	2,144	39,838	111	5,940	-	-	-	-	2,812
13 Transport Sector	279	3	37	44,613	28,304	-	-	-	15,749
14 Other Sector	6,094	10	58	9,318	-	-	-	-	5,453
14.1 Residential & Commercial	5,093	9	-	4,119	-	-	-	-	-
14.2 Agriculture	109	-	11	4,348	-	-	-	-	4,274
14.3 Other	892	1	47	851	-	-	-	-	1,180
15 Non-energy	-	-	-	15,818	-	-	-	-	-

Note: The final energy consumption of other petroleum products were estimated by CA.

Energy Balance Table of Russia in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	107,020	-	420,675	-	-	-	-	-	-
2 Import	9,633	1	5,766	3	0	-	-	-	1
3 Export	-22,828	-2,453	-228,995	-69,547	-4,197	-	-	-	-64,122
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-974	-	1,213	26	287	-	-	-	-212
6 Total Primary Energy Supply	92,852	-2,451	198,658	-69,518	-3,909	-	-	-	-64,332
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-86,272	39,362	-194,810	159,614	31,367	-	-	-	94,846
8.1 Main Activity Producer	-44,658	-268	-	-8,624	-	-	-	-	-8,624
8.2 Autoproducers	-16,389	-4,433	-918	-11,987	-	-	-	-	-10,698
8.3 Gas Processing	-	17,931	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-193,892	180,225	31,367	-	-	-	114,167
8.5 Coal Transformation	-25,224	26,132	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-396	-75	-1,382	-13,707	-	-	-	-	-
10. Discrepancy	-8	-176	-2,357	-13,687	0	-	-	-	-3,699
11 Total Final Energy Consumption	6,175	36,660	110	62,702	27,458	-	-	-	26,814
12 Industry Sector	1,298	36,643	56	9,934	-	-	-	-	5,154
13 Transport Sector	229	5	13	41,050	27,458	-	-	-	13,541
14 Other Sector	4,649	12	41	9,531	-	-	-	-	6,293
14.1 Residential & Commercial	3,854	8	34	4,937	-	-	-	-	1,702
14.2 Agriculture	156	0	7	4,594	-	-	-	-	4,590
14.3 Other	639	4	-	-	-	-	-	-	-
15 Non-energy	-	-	-	362	-	-	-	-	-

Energy Balance Table of Russia in 2004 (Continued)

												unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	509,407	15,289	37,735	347	7,134	-	-	1,158,510
15	10	-	-	-	5,566	-	-	-	-	1,047	-	23,761
-35,445	-1,126	-	-	-	-161,895	-	-	-	-	-1,703	-	-534,885
-	-	-	-	-	-	-	-	-	-	-	-	-
129	31	-	-	-	-6,362	-	-	-	-89	-	-	-5,938
-35,301	-1,085	-	-	-	346,716	15,289	37,735	347	7,046	-655	-	641,449
-	-	-	-	-	-	-	-	-	-	-	-	-
41,553	4,883	8,251	-	15,818	-180,426	-15,289	-37,735	-347	-4,237	80,140	149,200	-103,344
-5,875	-	-	-	-	-110,272	-15,191	-37,735	-347	-	76,024	51,907	-92,201
-8,291	-43	-1,183	-	-	-70,154	-99	-	-	-4,237	4,117	97,293	-10,262
-	-	-	-	-	-	-	-	-	-	-	-	-
55,721	9,899	13,648	-	15,818	-	-	-	-	-	-	-	-12,346
-	-	-	-	-	-	-	-	-	-	-	-	20,765
-2	-4,973	-4,214	-	-	-	-	-	-	-	-	-	-9,301
-2,835	-6	-7,907	-	-	-9,804	-	-	-	-	-15,690	-7,132	-48,658
0	1	0	-	-	-43,977	-	-	-	-176	-8,279	-11,986	-64,445
3,417	3,792	344	-	15,818	112,508	-	-	-	2,633	55,516	130,081	425,002
1,975	113	344	-	695	25,714	-	-	-	725	28,732	47,745	150,949
505	55	-	-	-	30,895	-	-	-	-	6,908	-	82,735
936	3,624	-	-	-695	41,774	-	-	-	1,908	19,876	82,336	161,375
499	3,621	-	-	-	38,098	-	-	-	1,548	12,325	72,025	133,217
71	3	-	-	-	387	-	-	-	119	1,547	3,100	9,621
367	-	-	-	-695	3,289	-	-	-	241	6,004	7,212	18,537
-	-	-	-	15,818	14,125	-	-	-	-	-	-	29,943

Energy Balance Table of Russia in 2003 (Continued)

												unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	499,830	13,564	39,180	279	6,084	-	-	1,086,633
-	1	-	-	-	7,072	-	-	-	-	709	-	23,184
-	-1,229	-	-	-	-152,983	-	-	-	-	-1,859	-	-478,666
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-49	-	-	-	-11,319	-	-	-	71	-	-	-10,983
-	-1,276	-	-	-	342,600	13,564	39,180	279	6,155	-1,150	-	620,168
-	-	-	-	-	-	-	-	-	-	-	-	-
-	9,658	13,394	-	10,349	-206,805	-13,564	-39,180	-279	-3,252	78,458	150,611	-116,116
-	-	-	-	-	-123,464	-13,483	-39,180	-279	-1	74,761	56,377	-98,819
-	-27	-1,263	-	-	-78,506	-81	-	-	-3,252	3,697	94,234	-17,636
-	-	-	-	-	-4,834	-	-	-	-	-	-	13,097
-	9,685	14,657	-	10,349	-	-	-	-	-	-	-	-13,667
-	-	-	-	-	-	-	-	-	-	-	-	908
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-692	-13,016	-	-	-16,098	-	-	-	-265	-23,278	-18,629	-73,831
-	362	0	-	-10,349	4,039	-0	-	-	0	342	0	-11,846
-	8,051	379	-	-	123,736	-	-	-	2,637	54,372	131,982	418,375
-	4,401	379	-	-	27,501	-	-	-	380	28,233	48,245	152,289
-	51	-	-	-	31,150	-	-	-	-	6,467	-	78,914
-	3,238	-	-	-	49,336	-	-	-	2,257	19,673	83,738	169,236
-	3,234	-	-	-	46,243	-	-	-	1,843	17,923	80,327	155,169
-	4	-	-	-	509	-	-	-	119	1,750	3,410	10,546
-	-	-	-	-	2,584	-	-	-	295	-	-	3,521
-	362	-	-	-	15,749	-	-	-	-	-	-	16,111

Major Energy Indicators of Russia

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	-	-	-	-	-	-	-	-	762,606
Indigenous Production	-	-	-	-	-	-	-	-	1,107,361
Import	-	-	-	-	-	-	-	-	35,612
Export	-	-	-	-	-	-	-	-	-368,249
Final Energy Consumption	-	-	-	-	-	-	-	-	582,985
Industry	-	-	-	-	-	-	-	-	127,247
Transport	-	-	-	-	-	-	-	-	117,147
Residential & Commercial	-	-	-	-	-	-	-	-	90,278
Agriculture	-	-	-	-	-	-	-	-	19,166
Coal, Coal Products									
Primary Energy Supply	-	-	-	-	-	-	-	-	120,156
Indigenous Production	-	-	-	-	-	-	-	-	132,776
Import	-	-	-	-	-	-	-	-	15,099
Export	-	-	-	-	-	-	-	-	-20,522
Transformation Sector	-	-	-	-	-	-	-	-	-89,555
Power Generation	-	-	-	-	-	-	-	-	-79,221
Final Energy Consumption	-	-	-	-	-	-	-	-	25,917
Industry	-	-	-	-	-	-	-	-	13,313
Transport	-	-	-	-	-	-	-	-	0
Residential & Commercial	-	-	-	-	-	-	-	-	11,042
Agriculture	-	-	-	-	-	-	-	-	356
Crude Oil									
Primary Energy Supply	-	-	-	-	-	-	-	-	262,394
Indigenous Production	-	-	-	-	-	-	-	-	398,841
Import	-	-	-	-	-	-	-	-	10,748
Export	-	-	-	-	-	-	-	-	-143,162
Transformation Sector	-	-	-	-	-	-	-	-	-258,888
Petroleum Refineries	-	-	-	-	-	-	-	-	-258,888
Petroleum Products									
Primary Energy Supply	-	-	-	-	-	-	-	-	-41,274
Import	-	-	-	-	-	-	-	-	1,738
Export	-	-	-	-	-	-	-	-	-43,013
Transformation Sector	-	-	-	-	-	-	-	-	192,416
Power Generation	-	-	-	-	-	-	-	-	-57,744
Petroleum Refineries	-	-	-	-	-	-	-	-	250,159
Final Energy Consumption	-	-	-	-	-	-	-	-	140,078
Industry	-	-	-	-	-	-	-	-	24,769
Transport	-	-	-	-	-	-	-	-	75,696
Residential & Commercial	-	-	-	-	-	-	-	-	8,873
Agriculture	-	-	-	-	-	-	-	-	11,583
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	-	-	364,296
Indigenous Production	-	-	-	-	-	-	-	-	517,313
Import	-	-	-	-	-	-	-	-	5,644
Export	-	-	-	-	-	-	-	-	-157,772
Transformation Sector	-	-	-	-	-	-	-	-	-217,355
Power Generation	-	-	-	-	-	-	-	-	-217,355
Final Energy Consumption	-	-	-	-	-	-	-	-	135,924
Industry	-	-	-	-	-	-	-	-	52,177
Transport	-	-	-	-	-	-	-	-	33,953
Residential & Commercial	-	-	-	-	-	-	-	-	48,420
Agriculture	-	-	-	-	-	-	-	-	488
Electricity									
Power Generation	-	-	-	-	-	-	-	-	86,883
Thermal	-	-	-	-	-	-	-	-	40,929
Hydro	-	-	-	-	-	-	-	-	14,778
Nuclear	-	-	-	-	-	-	-	-	31,175
Final Energy Consumption	-	-	-	-	-	-	-	-	65,047
Industry	-	-	-	-	-	-	-	-	36,047
Transport	-	-	-	-	-	-	-	-	7,463
Residential & Commercial	-	-	-	-	-	-	-	-	15,528
Agriculture	-	-	-	-	-	-	-	-	6,009

Major Energy Indicators of Russia (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
729,290	631,031	614,016	602,991	583,273	570,025	587,145	613,947	604,375	597,382	620,168	641,449
1,029,066	962,628	940,394	935,745	910,774	918,060	934,328	966,406	977,928	1,015,582	1,086,633	1,158,510
31,583	20,868	25,461	21,350	22,309	21,022	15,699	31,550	20,293	20,482	23,184	23,761
-325,123	-337,004	-339,830	-354,746	-361,443	-367,309	-365,334	-379,289	-387,648	-431,304	-478,666	-534,885
560,330	482,304	461,895	417,077	399,922	391,444	405,969	422,916	422,130	407,468	418,375	425,002
215,156	169,832	167,417	143,674	139,629	129,185	135,099	150,377	148,345	151,789	152,289	150,949
99,839	88,308	81,858	78,145	72,091	82,892	83,560	79,956	82,495	74,813	78,914	82,735
195,842	184,032	169,687	157,413	153,991	154,317	159,461	162,465	160,623	151,331	155,169	133,217
24,565	24,597	24,290	18,493	17,053	14,938	14,443	13,734	12,927	10,858	10,546	9,621
116,511	104,985	102,186	105,333	94,405	89,380	93,285	110,815	89,420	88,884	90,400	104,139
118,862	106,016	103,569	100,643	95,870	91,388	99,228	117,020	103,795	98,937	107,020	130,063
10,973	11,045	9,252	7,990	8,167	8,400	6,182	14,034	10,724	7,935	9,635	12,337
-11,991	-12,757	-13,132	-11,847	-11,672	-11,745	-13,781	-21,748	-20,093	-20,593	-25,281	-40,198
-84,284	-76,489	-78,497	-84,168	-75,054	-73,071	-74,035	-89,215	-74,286	-44,815	-46,909	-55,204
-76,411	-70,535	-68,681	-74,078	-66,580	-63,391	-63,581	-80,809	-65,829	-63,930	-65,748	-75,969
25,397	20,484	24,592	20,485	16,311	15,867	16,902	20,780	18,168	43,350	42,836	48,369
13,250	11,830	16,195	14,249	10,404	10,341	10,394	10,561	10,166	37,346	37,941	41,982
0	0	0	0	-	-	-	-	-	262	234	282
6,977	6,540	6,198	5,761	5,548	5,266	6,204	8,783	6,738	4,965	3,862	5,102
324	283	268	257	245	231	215	252	193	146	156	109
236,274	192,670	189,332	182,017	181,829	170,335	175,116	183,850	188,881	194,979	198,658	202,464
353,254	317,347	306,632	300,995	305,405	302,912	304,755	323,300	347,570	379,059	420,675	458,534
10,351	4,852	8,547	6,771	4,024	5,603	4,656	5,921	5,144	6,263	5,766	4,230
-128,194	-127,359	-122,948	-127,082	-127,523	-137,922	-135,217	-145,136	-162,920	-189,327	-228,995	-258,912
-229,768	-188,065	-183,189	-176,754	-175,217	-165,584	-171,063	-179,860	-184,934	-191,809	-194,810	-198,314
-229,768	-188,065	-183,189	-176,754	-175,179	-164,529	-170,062	-178,793	-183,888	-190,807	-193,892	-197,399
-35,771	-41,831	-42,125	-49,647	-51,542	-46,098	-47,785	-53,752	-55,780	-69,099	-69,518	-71,633
2,814	1,324	3,174	2,733	5,885	3,882	817	312	239	9	3	581
-43,064	-44,125	-46,465	-54,382	-57,685	-51,069	-48,515	-53,848	-56,327	-69,958	-69,547	-72,177
166,410	139,690	140,129	136,461	141,733	129,625	139,992	155,815	160,788	148,327	159,614	158,869
-55,555	-45,922	-37,572	-35,687	-29,744	-32,823	-26,324	-22,175	-21,276	-21,432	-20,611	-16,884
221,965	185,612	177,701	172,148	171,476	162,448	166,316	177,990	182,064	169,759	180,225	185,053
119,424	92,368	89,418	84,000	83,713	75,186	82,957	91,932	93,360	61,736	62,702	75,688
22,424	12,808	10,572	9,890	12,585	9,488	10,740	19,270	16,095	10,268	9,934	5,940
60,400	50,870	46,875	43,993	42,457	46,777	47,602	47,767	50,060	40,432	41,050	44,613
8,575	6,376	5,669	4,808	5,504	3,712	6,174	5,449	5,717	4,672	4,937	4,119
9,379	9,545	10,425	6,999	6,904	5,849	5,881	5,903	5,916	4,340	4,594	4,348
355,976	327,653	316,635	318,319	311,565	310,963	314,562	319,008	325,308	325,658	342,600	346,716
499,076	490,198	480,551	485,522	460,882	477,155	477,233	470,739	468,759	479,544	499,830	509,407
5,321	1,613	2,908	2,794	3,619	2,427	3,326	10,526	3,344	5,832	7,072	5,566
-138,142	-148,967	-154,019	-158,695	-162,254	-164,314	-165,885	-156,592	-146,102	-149,871	-152,983	-161,895
-213,280	-201,605	-189,787	-189,056	-185,765	-181,805	-185,293	-185,982	-189,190	-199,686	-206,805	-180,426
-213,280	-201,605	-189,787	-189,056	-185,765	-181,805	-185,293	-185,982	-189,190	-196,529	-201,971	-180,426
141,828	124,427	118,151	114,093	108,751	111,871	114,576	117,173	117,276	115,747	123,736	112,508
48,217	37,988	39,751	37,697	38,963	35,612	37,642	42,763	43,496	26,758	27,501	25,714
32,810	31,543	29,369	28,559	24,160	30,940	30,735	26,939	27,085	28,279	31,150	30,895
59,367	53,434	47,594	46,424	44,237	43,995	44,797	45,579	45,429	44,511	46,243	38,098
576	634	636	639	643	600	645	506	454	482	509	387
82,415	75,464	74,096	72,989	71,865	71,264	72,951	75,704	77,063	76,331	78,458	80,140
36,366	34,835	32,986	31,303	30,041	30,103	27,312	27,417	26,086	25,301	25,714	27,116
14,988	15,137	15,171	13,274	13,549	13,714	13,878	14,222	15,291	14,120	13,564	15,289
31,061	25,492	25,939	28,413	28,275	27,447	31,761	34,065	35,686	36,909	39,180	37,735
60,696	54,635	53,176	51,701	50,730	49,753	50,965	52,333	53,151	53,168	54,372	55,516
32,373	27,380	27,005	25,293	25,075	24,350	25,460	26,867	27,657	27,489	28,233	28,732
6,598	5,882	5,604	5,584	5,458	5,163	5,213	5,239	5,344	5,833	6,467	6,908
15,774	16,089	16,006	16,634	16,576	16,940	17,342	17,629	17,963	17,894	17,923	12,325
5,951	5,284	4,561	4,189	3,620	3,299	2,950	2,598	2,187	1,952	1,750	1,547

Major Economic Indicators of Russia

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	139.01	143.86	144.89	145.91	146.86	147.72	148.29	148.62
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	N.A.	N.A.	N.A.	N.A.	N.A.	397.84	385.90	366.43
Real Term (Billions of 2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	N.A.	N.A.	1,580.00	1,532.60	1,455.25
Nominal (Billions of Current USD)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	N.A.	N.A.	N.A.	N.A.	N.A.	2,693	2,602	2,465
Real Term (2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	N.A.	N.A.	10,696	10,335	9,792
Nominal (Current USD)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Nominal GDP & its Components (Billions of Current RUR) *1								
Gross Domestic Product	N.A.	N.A.	N.A.	N.A.	N.A.	0.57	0.64	1.40
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	0.29	0.26	0.31	0.66
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	0.09	0.12	0.13	0.23
Gross Fixed Capital Formation	N.A.	N.A.	N.A.	N.A.	N.A.	0.18	0.18	0.33
Stock Change	N.A.	N.A.	N.A.	N.A.	N.A.	0.01	0.01	0.18
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	0.13	0.12	0.19
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	0.12	0.12	0.18
Real GDP & its Components (Billions of 2000 RUR) *1								
Gross Domestic Product	N.A.	N.A.	N.A.	N.A.	N.A.	11,190.88	10,855.15	10,307.30
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3,644.80	3,477.14
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,466.92	1,301.16
Gross Fixed Capital Formation	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	6,142.42	5,190.34
Stock Change	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	771.03	1,564.10
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3,926.52	2,749.50
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	4,678.68	2,506.96
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	5.5	5.5
Industry	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	42.6	41.6
Services, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	37.8	39.1
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.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports, c.i.f.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Balance of Payments (Billions of Current USD) *2								
Trade Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Current Account	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Overall Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Foreign Exchange Rate (RUR/USD) *1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Purchasing Power Parity (RUR/International Dollar) *1	N.A.	N.A.	N.A.	N.A.	N.A.	0.0005	0.0005	0.0012
Price Indices								
GDP Deflator (2000=100) *3	N.A.	N.A.	N.A.	N.A.	N.A.	0.0	0.0	0.0
Producer Price Index (2000=100) *3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2000=100) *3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Growth Rate (%)								
Real GDP (*3)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	-3.00	-5.05
Population (*3)	0.71	0.78	0.72	0.70	0.65	0.59	0.39	0.22
Price (*2)								
Producer Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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. shows "not available"

: RUR shows Russian Ruble, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Russia (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
148.69	148.52	148.34	148.14	147.74	147.30	146.90	146.31	146.30	145.95	145.30	144.60	143.85
313.18	286.03	250.08	239.72	231.09	234.32	221.90	236.11	259.72	272.94	285.89	306.89	328.82
1,243.79	1,135.97	993.18	952.03	917.76	930.60	881.28	937.68	1,031.45	1,083.97	1,135.39	1,218.82	1,305.89
N.A.	172.95	278.79	313.33	392.08	404.94	270.95	195.91	259.72	306.62	345.07	431.49	581.37
2,106	1,926	1,686	1,618	1,564	1,591	1,511	1,614	1,775	1,870	1,968	2,122	2,286
8,365	7,649	6,695	6,427	6,212	6,318	5,999	6,409	7,050	7,427	7,814	8,429	9,078
N.A.	1,164	1,879	2,115	2,654	2,749	1,844	1,339	1,775	2,101	2,375	2,984	4,042
19.01	171.51	610.75	1,428.50	2,007.80	2,342.50	2,629.60	4,823.20	7,305.60	8,943.60	10,817.50	13,243.20	16,751.50
7.12	77.60	310.26	744.10	1,044.50	1,282.40	1,511.20	2,582.50	3,374.30	4,416.90	5,535.50	6,701.60	8,177.00
2.63	34.37	116.65	272.50	391.40	493.50	492.60	703.20	1,102.50	1,469.90	1,913.30	2,330.60	2,756.50
4.55	34.97	133.21	301.10	401.60	428.50	424.70	693.90	1,232.00	1,689.30	1,938.80	2,408.20	3,002.90
2.03	11.35	22.76	62.30	73.60	86.30	-31.20	21.40	133.70	273.80	231.70	297.10	529.30
11.85	65.52	169.53	418.40	523.50	579.30	821.00	2,084.60	3,218.90	3,299.60	3,813.70	4,655.90	5,855.90
9.17	52.30	141.67	369.90	438.70	527.70	645.60	1,262.40	1,755.80	2,165.90	2,646.20	3,153.90	3,735.90
8,809.54	8,045.88	7,034.53	6,743.05	6,500.30	6,591.31	6,241.97	6,641.45	7,305.60	7,677.60	8,041.80	8,632.70	9,249.40
3,372.82	3,413.29	3,454.25	3,357.54	3,197.35	3,352.62	3,241.69	3,148.87	3,374.30	3,688.80	3,996.00	4,290.50	4,741.46
1,147.62	1,074.17	1,043.02	1,031.55	1,063.53	1,038.00	1,048.38	1,080.88	1,102.50	1,093.80	1,122.20	1,146.89	1,173.27
3,036.35	2,252.97	1,667.20	1,542.16	1,215.22	1,119.22	980.44	1,043.18	1,232.00	1,358.30	1,395.90	1,574.58	1,744.63
1,225.70	756.04	403.00	304.46	372.87	403.76	-145.84	-263.67	133.70	236.00	156.50	182.74	251.68
1,961.04	2,002.47	2,254.19	2,514.27	2,607.30	2,594.27	2,643.56	2,939.63	3,218.90	3,354.60	3,698.90	4,161.26	4,673.10
1,676.56	1,506.24	1,569.77	1,901.89	1,926.62	1,934.32	1,597.75	1,326.13	1,755.80	2,084.40	2,388.30	2,811.03	3,471.62
5.9	6.2	6.2	6.0	5.9	5.9	5.1	5.6	5.8	6.1	6.0	5.9	5.7
38.2	36.3	33.2	33.1	32.4	32.3	32.3	33.3	33.9	34.1	33.8	34.2	34.1
42.7	45.1	48.9	49.6	51.3	51.6	52.6	50.6	49.7	49.0	49.4	49.2	49.5
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	67.540	81.095	88.600	88.330	74.884	75.665	105.565	101.884	107.301	135.929	183.452
N.A.	N.A.	50.520	60.945	68.830	73.615	58.015	39.537	44.659	53.764	60.966	76.070	96.307
N.A.	N.A.	16.928	19.816	21.591	14.913	16.429	36.012	60.172	48.121	46.335	59.860	87.145
N.A.	N.A.	7.844	6.965	10.847	-0.080	0.216	24.611	46.840	33.795	29.116	35.410	59.935
N.A.	N.A.	-19.113	-8.326	-17.218	-6.520	-21.378	-1.704	13.922	11.266	11.563	27.762	46.640
N.A.	0.9917	2.1907	4.5592	5.1208	5.7848	9.7051	24.6199	28.1292	29.1685	31.3485	30.6920	28.8137
0.0180	0.1736	0.6963	1.6585	2.3601	2.6503	3.0371	5.1833	7.0828	8.1591	9.2353	10.1892	11.9117
0.2	2.1	8.7	21.2	30.9	35.5	42.1	72.6	100.0	116.5	134.5	153.4	181.1
N.A.	1.6	6.9	23.1	34.9	40.1	42.9	68.2	100.0	119.2	131.6	153.2	188.9
0.2	1.7	6.9	20.6	30.4	34.9	44.6	82.8	100.0	121.5	140.6	159.8	177.2
-14.53	-8.67	-12.57	-4.14	-3.60	1.40	-5.30	6.40	10.00	5.09	4.74	7.35	7.14
0.04	-0.11	-0.12	-0.13	-0.27	-0.29	-0.27	-0.40	0.00	-0.24	-0.45	-0.48	-0.52
n.a.	943.8	337.0	236.5	50.8	15.0	7.0	58.9	46.5	19.2	10.4	16.4	23.4
N.A.	874.6	307.6	197.5	47.7	14.8	27.7	85.7	20.8	21.5	15.8	13.7	10.9

Energy Price of Russia in 2004

Currency Exchange Rate

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

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	ton	2382	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	ton	509	Lignite		
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel	ton	1174.53
Coke			Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
Oil and Oil Products			Gas Works Gas			Gas Works Gas		
Crude Oil			Oil and Oil Products			Oil and Oil Products		
Natural Gas Liquids			Crude Oil	ton	4433	Crude Oil		
Ethane			Natural Gas Liquids			Natural Gas Liquids		
LPG			Ethane			Ethane		
Naphtha			LPG			LPG		
Motor Gasoline			Naphtha			Naphtha		
Aviation Gasoline			Motor Gasoline	ton	13679	Motor Gasoline	litre	15.54
Gasoline Type Jet Fuel			Aviation Gasoline			Aviation Gasoline		
Kerosene Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Other Kerosene			Kerosene Type Jet Fuel			Kerosene Type Jet Fuel		
Gas/Diesel Oil			Other Kerosene			Other Kerosene		
Fuel Oil			Gas/Diesel Oil	ton	12707	Gas/Diesel Oil		
White Spirit SBP			Fuel Oil	ton	2984	Fuel Oil		
Lubricants			White Spirit SBP			White Spirit SBP		
Bitumen			Lubricants	ton	17748	Lubricants		
Paraffin Waxes			Bitumen			Bitumen		
Petroleum Coke			Paraffin Waxes			Paraffin Waxes		
Natural Gas			Petroleum Coke			Petroleum Coke		
Natural Gas			Natural Gas			Natural Gas		
Liquefied Natural Gas			Natural Gas	100 cubic met	1193	Natural Gas		
Compressed Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Electricity			Compressed Natural Gas			Compressed Natural Gas	alloon 50 litre	180.55
Electricity			Electricity			Electricity		
Other Energy Products			Electricity			Industrial	0 kilowatt-hc	84.48
			Other Energy Products			Commercial		
						Residential	0 kilowatt-hc	93.15
						Others		
						Other Energy Products		

3.17 Singapore

Energy Balance Table of Singapore in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	-	-	-	-	-	-	-	-	-
2 Import	1	6	45,085	47,989	1,668	4,543	2,589	495	6,084
3 Export	-	-	-	-54,506	-8,547	-2,479	-7,691	-1,220	-16,643
4 International Marine Bunkers	-	-	-	-20,506	-	-	-	-	-
5 Stock Changes	-	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	1	6	45,085	-27,023	-6,879	2,064	-5,102	-725	-10,559
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-	98	-45,085	37,905	7,811	3,419	8,178	801	11,004
8.1 Main Activity Producer	-	-	-	-2,426	-	-	-	-	-19
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	98	-	-128	-	-128	-	-	-
8.4 Petroleum Refineries	-	-	-45,085	40,459	7,811	3,547	8,178	801	11,023
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-620	-	-	-	-	-
10. Discrepancy	-1	-	-	-0	-0	0	-0	-0	-0
11 Total Final Energy Consumption	-	104	-	10,261	932	5,483	3,076	77	445
12 Industry Sector	-	60	-	5,559	-	5,483	-	77	-
13 Transport Sector	-	-	-	4,453	932	-	3,076	-	445
14 Other Sector	-	45	-	-	-	-	-	-	-
14.1 Residential & Commercial	-	45	-	-	-	-	-	-	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	250	-	-	-	-	-

Note: The transformation sector and the final energy consumption sector were estimated by CA.

Energy Balance Table of Singapore in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	-	-	-	-	-	-	-	-	-
2 Import	0	8	40,082	46,784	5,163	3,452	2,207	289	6,663
3 Export	-0	-	-	-46,542	-6,937	-2,627	-6,538	-935	-14,994
4 International Marine Bunkers	-	-	-	-24,528	-	-	-	-	-
5 Stock Changes	-	-	-	-	-	-	-	-	-
6 Total Primary Energy Supply	0	8	40,082	-24,285	-1,774	824	-4,331	-646	-8,330
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-	-	-40,082	32,905	2,632	3,179	6,829	717	8,747
8.1 Main Activity Producer	-	-	-	-2,871	-	-	-	-	-52
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-129	-	-129	-	-	-
8.4 Petroleum Refineries	-	-	-40,082	35,905	2,632	3,308	6,829	717	8,798
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-526	-	-	-	-	-
10. Discrepancy	-0	-8	-	0	-	-0	-	-0	-0
11 Total Final Energy Consumption	-	-	-	8,094	857	4,003	2,497	71	416
12 Industry Sector	-	-	-	4,074	-	4,003	-	71	-
13 Transport Sector	-	-	-	3,771	857	-	2,497	-	416
14 Other Sector	-	-	-	-	-	-	-	-	-
14.1 Residential & Commercial	-	-	-	-	-	-	-	-	-
14.2 Agriculture	-	-	-	-	-	-	-	-	-
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	250	-	-	-	-	-

Note: The transformation sector and the final energy consumption sector were estimated by CA.

Energy Balance Table of Singapore in 2004 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	-	-	-	-	-	-	-	-	
32,308	6	-	-	296	4,662	-	-	-	-	-	-	97,742	
-15,188	-819	-	-	-1,919	-	-	-	-	-	-	-	-54,506	
-20,506	-	-	-	-	-	-	-	-	-	-	-	-20,506	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-3,386	-813	-	-	-1,623	4,662	-	-	-	-	-	-	22,730	
-	-	-	-	-	-	-	-	-	-	-	-	-	
3,386	813	620	-	1,873	-4,662	-	-	-	-	3,083	-	-8,661	
-2,286	-	-	-	-121	-4,662	-	-	-	-	3,083	-	-4,005	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-30	
5,672	813	620	-	1,994	-	-	-	-	-	-	-	-4,626	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-620	-	-	-	-	-	-	-	-230	-	-850	
-0	0	-	-	0	-	-	-	-	-	-	-	-1	
-	-	-	-	250	-	-	-	-	-	2,853	-	13,218	
-	-	-	-	-	-	-	-	-	-	1,242	-	6,861	
-	-	-	-	-	-	-	-	-	-	28	-	4,480	
-	-	-	-	-	-	-	-	-	-	1,583	-	1,627	
-	-	-	-	-	-	-	-	-	-	1,579	-	1,624	
-	-	-	-	-	-	-	-	-	-	3	-	3	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	250	-	-	-	-	-	-	-	250	

Energy Balance Table of Singapore in 2003 (Continued)

												unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12	
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total	
-	-	-	-	-	-	-	-	-	118	-	-	118	
28,689	26	-	-	297	3,955	-	-	-	-	-	-	90,830	
-12,096	-856	-	-	-1,559	-	-	-	-	-	-	-	-46,542	
-24,528	-	-	-	-	-	-	-	-	-	-	-	-24,528	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-7,935	-830	-	-	-1,262	3,955	-	-	-	118	-	-	19,878	
-	-	-	-	-	-	-	-	-	-	-	-	-	
7,935	830	526	-	1,512	-3,849	-	-	-	-118	3,038	-	-8,106	
-2,819	-	-	-	-	-3,955	-	-	-	-118	3,038	-	-3,905	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	105	-	-	-	-	-	-	-24	
10,754	830	526	-	1,512	-	-	-	-	-	-	-	-4,177	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-526	-	-	-	-	-	-	-	-288	-	-813	
-	-	-	-	0	1	-	-	-	-	-	-	-8	
-	-	-	-	250	106	-	-	-	-	2,751	-	10,951	
-	-	-	-	-	60	-	-	-	-	1,179	-	5,313	
-	-	-	-	-	-	-	-	-	-	27	-	3,798	
-	-	-	-	-	46	-	-	-	-	1,545	-	1,591	
-	-	-	-	-	46	-	-	-	-	1,542	-	1,588	
-	-	-	-	-	-	-	-	-	-	3	-	3	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	250	-	-	-	-	-	-	-	250	

Major Energy Indicators of Singapore

	1990	1995	1996	1997	1998	1999	1990	1991	1992
Total									
Primary Energy Supply	1,976	8,774	5,503	8,670	11,188	7,216	9,896	11,865	14,934
Indigenous Production	2	3	9	16	17	17	19	19	34
Import	29,359	38,352	42,035	44,786	53,216	52,996	59,503	63,860	70,000
Export	-22,640	-24,836	-28,460	-28,023	-32,450	-33,324	-36,556	-37,518	-38,471
Final Energy Consumption	2,070	3,356	3,569	4,084	4,402	4,629	5,322	5,387	5,507
Industry	343	1,025	1,078	1,423	1,511	1,623	1,907	1,835	1,776
Transport	1,346	1,715	1,878	1,987	2,115	2,190	2,368	2,485	2,653
Residential & Commercial	294	434	468	514	647	681	763	798	849
Agriculture	-	-	-	-	-	-	-	2	2
Coal, Coal Products									
Primary Energy Supply	-	-	-	-	-	-	-	-116	-55
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	17	21
Export	-	-	-	-	-	-	-	-132	-76
Transformation Sector	-	-	-	-	-	-	-	-	-
Power Generation	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	24,182	28,389	30,880	29,965	31,824	35,559	41,286	45,827	47,303
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	24,255	28,472	30,967	30,060	33,251	35,559	41,286	45,827	47,303
Export	-73	-82	-87	-95	-1,428	-0	-0	-0	-
Transformation Sector	-28,138	-32,515	-37,543	-34,876	-35,713	-40,081	-43,571	-47,982	-47,303
Petroleum Refineries	-28,138	-32,515	-37,543	-34,876	-35,713	-40,081	-43,571	-47,982	-47,303
Petroleum Products									
Primary Energy Supply	-22,200	-19,615	-25,387	-21,312	-20,652	-28,360	-31,409	-33,866	-32,702
Import	5,104	9,880	11,068	14,727	19,964	17,437	18,217	18,016	22,322
Export	-22,559	-24,750	-28,373	-27,929	-31,022	-33,324	-36,555	-37,385	-38,395
Transformation Sector	23,042	26,437	30,554	27,926	28,426	32,018	34,743	37,326	36,662
Power Generation	-1,575	-2,021	-2,311	-2,597	-2,827	-3,060	-3,388	-3,821	-3,450
Petroleum Refineries	24,670	28,508	32,916	30,578	31,311	35,141	38,201	41,226	40,196
Final Energy Consumption	1,506	2,559	2,715	3,128	3,347	3,489	4,046	4,022	4,071
Industry	73	663	694	985	1,015	1,076	1,296	1,186	1,108
Transport	1,346	1,715	1,878	1,984	2,106	2,179	2,352	2,469	2,637
Residential & Commercial	-	-	-	-	96	100	115	101	99
Agriculture	-	-	-	-	-	-	-	-	-
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	-	-	353
Indigenous Production	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	353
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	43	40	40	43	47	50	56	68	-288
Power Generation	-	-	-	-	-	-	-	-	-353
Final Energy Consumption	38	38	38	42	47	49	55	67	65
Industry	16	16	18	22	25	27	32	40	40
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	22	21	21	20	21	22	23	27	25
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	599	853	909	1,016	1,119	1,207	1,343	1,427	1,520
Thermal	599	853	909	1,016	1,119	1,207	1,343	1,427	1,520
Hydro	-	-	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	525	758	815	913	1,009	1,091	1,221	1,298	1,372
Industry	253	346	367	417	471	521	580	609	628
Transport	-	-	0	3	9	11	16	16	16
Residential & Commercial	272	413	448	494	529	559	625	671	726
Agriculture	-	-	-	-	-	-	-	2	2

Note: Data for the transformation sector and the final energy consumption sector were estimation by C.A.

Major Energy Indicators of Singapore (Continued)

												ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
16,447	11,898	15,203	20,519	23,296	20,160	20,915	20,573	22,030	22,519	19,878	22,730	
54	53	50	55	61	64	63	96	99	141	118	-	
76,745	78,056	79,202	86,409	88,170	86,083	85,115	79,888	85,126	88,157	90,830	97,742	
-43,724	-48,226	-47,342	-49,089	-46,673	-46,752	-45,158	-39,545	-41,238	-43,009	-46,542	-54,506	
6,299	6,967	7,477	8,037	8,733	9,251	9,321	9,367	9,753	11,283	10,951	13,218	
1,961	2,120	2,589	2,907	3,563	4,115	3,922	3,514	3,914	5,230	5,313	6,861	
3,188	3,715	3,680	3,815	3,732	3,585	3,796	4,159	4,082	4,208	3,798	4,480	
917	895	980	1,063	1,186	1,298	1,350	1,441	1,504	1,592	1,588	1,624	
2	2	2	2	2	3	3	3	3	3	3	3	
-40	3	0	-2	1	-0	0	0	0	7	8	6	
-	-	-	-	-	-	-	-	-	-	-	-	
27	27	17	8	6	3	1	0	1	7	9	6	
-67	-24	-16	-11	-6	-3	-0	-0	-0	-0	-0	-	
-	-	-	-	-	-	-	-	-	-	-	98	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	104	
-	-	-	-	-	-	-	-	-	-	-	60	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	45	
-	-	-	-	-	-	-	-	-	-	-	-	
53,540	51,769	51,984	56,149	56,300	52,651	45,046	41,585	41,508	41,365	40,082	45,085	
-	-	-	-	-	-	-	-	-	-	-	-	
53,540	51,830	52,046	56,149	56,301	52,651	45,046	41,585	41,508	41,365	40,082	45,085	
-	-61	-62	-	-2	-	-	-	-	-	-	-	
-53,540	-51,769	-51,984	-56,149	-56,300	-52,651	-45,046	-41,585	-41,508	-41,365	-40,082	-45,085	
-53,540	-51,769	-51,984	-56,149	-56,300	-52,651	-45,046	-41,585	-41,508	-41,365	-40,082	-45,085	
-38,055	-41,055	-38,007	-36,732	-34,100	-33,686	-25,294	-22,187	-21,291	-21,790	-24,285	-27,023	
22,231	25,070	25,964	29,204	30,828	32,297	38,968	37,225	41,904	43,989	46,784	47,989	
-43,657	-48,141	-47,264	-49,079	-46,665	-46,749	-45,158	-39,544	-41,238	-43,009	-46,542	-54,506	
41,939	42,902	40,958	43,593	41,385	41,351	32,816	29,550	29,001	30,862	32,905	37,905	
-3,041	-3,170	-3,460	-3,952	-4,326	-4,638	-5,256	-5,688	-5,212	-4,131	-2,871	-2,426	
45,072	46,169	44,518	47,652	45,829	46,111	38,197	35,367	34,344	35,123	35,905	40,459	
4,742	5,260	5,653	6,064	6,521	6,910	6,880	6,757	7,102	8,502	8,094	10,261	
1,242	1,335	1,763	2,019	2,561	3,097	2,857	2,372	2,795	4,071	4,074	5,559	
3,172	3,698	3,663	3,795	3,711	3,563	3,773	4,135	4,056	4,181	3,771	4,453	
102	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
948	1,129	1,176	1,049	1,034	1,132	1,100	1,078	1,714	2,796	3,955	4,662	
-	-	-	-	-	-	-	-	-	-	-	-	
948	1,129	1,176	1,049	1,034	1,132	1,100	1,078	1,714	2,796	3,955	4,662	
-	-	-	-	-	-	-	-	-0	-0	-	-	
-869	-1,045	-1,090	-957	-940	-1,032	-820	-836	-1,403	-2,200	-3,849	-4,662	
-948	-1,129	-1,176	-1,049	-1,034	-1,132	-922	-942	-1,511	-2,306	-3,955	-4,662	
78	81	84	89	94	98	101	105	106	107	106	-	
49	52	53	57	61	62	63	66	66	63	60	-	
-	-	-	-	-	-	-	-	-	-	-	-	
29	30	30	32	33	36	38	39	40	44	46	-	
-	-	-	-	-	-	-	-	-	-	-	-	
1,646	1,793	1,913	2,073	2,313	2,432	2,539	2,723	2,846	2,981	3,038	3,083	
1,646	1,793	1,913	2,073	2,313	2,432	2,539	2,723	2,846	2,981	3,038	3,083	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
1,479	1,626	1,741	1,884	2,118	2,243	2,340	2,505	2,545	2,674	2,751	2,853	
670	733	772	831	941	956	1,002	1,076	1,053	1,095	1,179	1,242	
16	17	17	20	21	22	23	25	26	27	27	28	
786	866	949	1,031	1,153	1,262	1,312	1,401	1,464	1,548	1,542	1,579	
2	2	2	2	2	3	3	3	3	3	3	3	

Major Economic Indicators of Singapore

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	2.41	2.74	2.73	2.78	2.85	2.93	3.05	3.14
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	21.55	29.35	29.98	32.90	36.62	40.25	43.88	46.85
Real Term (Billions of 2000 Price and 2000 PPP)	22.35	30.44	31.09	34.11	37.97	41.74	45.51	48.58
Nominal (Billions of Current USD)	11.72	17.69	17.96	20.54	25.33	30.12	36.90	43.19
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	8,926	10,727	10,969	11,854	12,866	13,732	14,401	14,938
Real Term (2000 Price and 2000 PPP)	9,257	11,125	11,375	12,293	13,343	14,240	14,935	15,492
Nominal (Current USD)	4,854	6,466	6,571	7,404	8,901	10,275	12,111	13,773
Nominal GDP & its Components (Billions of Current SGD) *1								
Gross Domestic Product	25.09	38.92	39.10	43.27	50.98	58.73	66.89	74.61
Household Final Consumption Expenditure, etc.	12.91	17.55	18.40	20.70	24.39	27.66	30.85	33.54
General Government Final Consumption Expenditure	2.45	5.55	5.27	5.31	5.34	6.01	6.78	7.35
Gross Fixed Capital Formation	10.20	16.42	14.13	14.41	15.67	18.91	21.58	25.09
Stock Change	1.42	0.13	0.58	1.89	1.66	1.46	2.77	0.66
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Real GDP & its Components (Billions of 1995 SGD) *1								
Gross Domestic Product	37.96	51.70	52.81	57.95	64.50	70.90	77.30	82.53
Household Final Consumption Expenditure, etc.	19.67	23.31	24.35	26.70	30.29	32.87	35.36	37.48
General Government Final Consumption Expenditure	3.86	6.60	6.67	6.73	6.33	6.68	7.42	7.99
Gross Fixed Capital Formation	13.63	20.14	17.62	17.51	18.18	21.05	23.21	26.32
Stock Change	2.49	0.49	1.24	3.02	1.67	1.31	3.40	0.74
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	1.1	0.8	0.7	0.6	0.5	0.4	0.3	0.3
Industry	34.0	32.1	30.8	30.8	31.2	30.7	30.8	31.3
Services, etc.	57.9	59.4	61.0	61.1	61.0	61.4	61.3	61.2
Manufacturing Production Index (2000=100) *2	24.4	26.1	28.4	33.3	39.4	43.4	47.7	50.2
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	19.376	22.812	22.495	28.687	39.306	44.665	52.730	58.966
Imports, c.i.f.	24.007	26.285	25.511	32.559	43.864	49.667	60.774	66.095
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-2.971	-1.518	-0.940	-1.143	0.028	-0.313	-1.633	-0.110
Current Account	-1.563	-0.004	0.319	-0.109	1.937	2.964	3.122	4.880
Overall Balance	0.663	1.337	0.538	1.095	1.659	2.738	5.431	4.197
Foreign Exchange Rate (SGD/USD) *1	2.1412	2.2002	2.1774	2.1060	2.0124	1.9503	1.8125	1.7276
Purchasing Power Parity (SGD/International Dollar) *1	1.9870	1.8864	1.8025	1.7294	1.7937	1.8311	1.8431	1.8431
Price Indices								
GDP Deflator (1995=100) *3	66.1	75.3	74.0	74.7	79.0	82.8	86.5	90.4
Wholesale Price Index (2000=100) *2	121.9	113.5	96.4	103.6	101.7	104.3	106.1	101.8
Consumer Price Index (2000=100) *2	67.4	79.1	78.0	78.4	79.6	81.5	84.3	87.2
Growth Rate (%) *3								
Real GDP	9.70	-1.44	2.14	9.73	11.31	9.91	9.03	6.76
Population	1.26	0.15	-0.11	1.54	2.56	2.99	3.96	2.92
Price								
Wholesale Price Index	19.6	-2.2	-15.1	7.5	-1.8	2.6	1.7	-4.1
Consumer Price Index	8.5	0.5	-1.4	0.5	1.5	2.3	3.5	3.4

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. shows "not available"

: SGD shows Singapore Dollar, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Singapore (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
3.23	3.32	3.42	3.53	3.67	3.79	3.92	3.95	4.02	4.13	4.17	4.19	4.24
49.98	56.11	62.51	67.53	73.03	79.25	78.56	83.61	91.48	89.55	92.24	94.51	102.46
51.83	58.19	64.82	70.03	75.74	82.18	81.48	86.71	94.86	92.87	95.66	98.01	106.26
49.86	58.35	70.61	83.93	92.22	95.39	81.91	81.38	91.48	84.87	88.27	92.37	106.82
15,465	16,925	18,271	19,152	19,900	20,887	20,027	21,157	22,768	21,677	22,114	22,583	24,164
16,037	17,552	18,948	19,862	20,637	21,661	20,769	21,940	23,612	22,480	22,933	23,419	25,059
15,428	17,603	20,640	23,804	25,128	25,143	20,879	20,592	22,768	20,544	21,162	22,070	25,192
81.22	94.29	107.85	118.96	130.03	141.64	137.09	137.94	157.70	152.07	158.06	160.92	180.56
36.42	42.23	47.18	49.13	53.44	56.08	52.60	56.83	65.21	67.48	69.43	69.71	76.28
7.46	8.72	9.01	10.11	12.22	13.18	13.88	14.01	17.41	18.68	19.53	18.98	19.19
28.81	32.75	36.20	39.73	49.54	54.82	51.53	47.09	47.54	45.58	40.19	39.01	43.32
0.27	2.50	-0.50	0.83	-2.86	0.71	-7.22	-2.35	4.26	-5.56	-4.15	-15.12	-10.28
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
88.05	98.84	110.11	118.96	128.65	139.60	138.40	147.29	161.14	157.76	162.49	166.49	180.50
39.66	44.39	47.70	49.13	53.11	54.77	52.47	56.76	64.74	66.24	69.52	70.36	76.39
8.03	9.21	9.05	10.11	12.06	13.03	14.11	15.06	17.72	19.18	19.10	19.16	18.85
29.41	32.44	35.57	39.78	49.72	54.74	51.46	48.91	52.77	49.74	45.53	43.04	46.65
0.25	2.66	-0.41	0.83	-1.74	-0.09	-7.83	-2.75	1.05	-8.92	-7.56	-14.68	-10.33
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31.1	30.2	30.7	31.2	33.0	32.7	33.1	33.2	33.7	31.2	31.5	30.8	31.3
61.3	62.5	55.9	61.5	60.0	60.3	60.5	60.3	59.9	62.2	62.3	62.8	62.2
51.5	56.7	64.1	70.7	73.0	76.4	76.1	86.7	100.0	88.4	95.9	98.6	112.2
63,472	74,012	96,825	118,268	125,014	124,985	109,895	114,680	137,804	121,751	125,177	144,182	179,547
72,171	85,234	102,670	124,507	131,338	132,437	101,732	111,060	134,545	116,000	116,441	127,934	163,854
-1.821	-2.724	1.354	6.452	7.186	6.509	13.411	12.442	12.723	15.709	17.581	28.130	31.239
5.915	4.211	11.400	14.708	13.853	14.913	18.270	14.773	11.936	14.383	15.727	26.951	27.897
6.100	7.578	4.736	8.641	7.399	8.114	2.989	4.188	6.751	-0.867	1.327	6.675	12.087
1.6290	1.6158	1.5274	1.4174	1.4100	1.4848	1.6736	1.6950	1.7240	1.7917	1.7906	1.7422	1.6902
1.8627	1.8323	1.8770	1.8841	1.8383	1.8713	1.7907	1.6771	1.6624	1.6112	1.5487	1.5210	1.5272
92.3	95.4	97.9	100.0	101.1	101.5	99.1	93.7	97.9	96.4	97.3	96.7	100.0
97.3	93.1	92.7	92.7	92.8	91.8	89.0	90.8	100.0	98.4	97.0	98.9	104.0
89.2	91.2	94.0	95.6	97.0	98.9	98.6	98.7	100.0	101.0	100.6	101.1	102.8
6.69	12.26	11.40	8.04	8.15	8.51	-0.86	6.42	9.41	-2.10	3.00	2.46	8.41
3.06	2.57	3.20	3.07	4.08	3.38	3.40	0.74	1.66	2.82	0.97	0.33	1.32
-4.4	-4.4	-0.4	0.0	0.1	-1.2	-3.0	2.1	10.1	-1.6	-1.5	2.0	5.1
2.3	2.3	3.1	1.7	1.4	2.0	-0.3	0.0	1.4	1.0	-0.4	0.5	1.7

Original Table (Quarterly) of Singapore in 2005

Coal		Unit: 1,000ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	0	0	-
	FEB.	-	4	0	-
	MAR.	-	0	0	-
	1st quarter	-	4	0	-
	APR.	-	2	0	-
	MAY.	-	0	0	-
	JUN.	-	2	0	-
	2nd quarter	-	4	0	-
	JUL.	-	0	0	-
	AUG.	-	0	0	-
	SEP.	-	2	0	-
	3rd quarter	-	2	0	-
	OCT.	-	0	0	-
	NOV.	-	0	0	-
	DEC.	-	3	0	-
	4th quarter	-	4	0	-
		-	13	0	-

Oil		Unit: 1000ton						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.		6,370		-	5,053	6,727	-
	FEB.		3,410		-	3,345	5,593	-
	MAR.		5,977	14	-	4,208	6,371	-
	1st quarter		15,757	14	-	12,606	18,691	-
	APR.		3,357	0	-	3,926	5,485	-
	MAY.		4,437	79	-	3,933	7,147	-
	JUN.		4,584		-	4,645	7,038	-
	2nd quarter		12,378	79	-	12,505	19,670	-
	JUL.		4,181		-	4,036	5,726	-
	AUG.		3,920		-	4,182	7,216	-
	SEP.		4,363	40	-	3,281	6,502	-
	3rd quarter		12,463	40	-	11,500	19,445	-
	OCT.		4,782	31	-	3,700	6,436	-
	NOV.		4,923	0	-	3,235	6,186	-
	DEC.		4,483	0	-	4,155	5,849	-
	4th quarter		14,188	31	-	11,090	18,471	-
		-	54,786	165	-	47,700	76,277	-

Original Table (Quarterly) of Singapore in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000CM			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	0	63	-
	FEB.	-	1	53	-
	MAR.	-	2	49	-
	1st quarter	-	3	165	-
	APR.	-	0	45	-
	MAY.	-	1	56	-
	JUN.	-	0	65	-
	2nd quarter	-	1	166	-
	JUL.	-	0	51	-
	AUG.	-	0	52	-
	SEP.	-	0	49	-
	3rd quarter	-	0	153	-
	OCT.	-	0	51	-
	NOV.	-	0	61	-
	DEC.	-	2	59	-
	4th quarter	-	2	171	-
		-	5	655	-

Electricity		Unit: GWh					Imports	Exports
		Gross Generation						
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	3,040	2,953	-	-	87	-	-
	FEB.	2,816	2,739	-	-	77	-	-
	MAR.	3,267	3,183	-	-	83	-	-
	1st quarter	9,123	8,875	-	-	248	-	-
	APR.	3,164	3,086	-	-	78	-	-
	MAY.	3,258	3,182	-	-	76	-	-
	JUN.	3,209	3,135	-	-	74	-	-
	2nd quarter	9,631	9,403	-	-	229	-	-
	JUL.	3,253	3,172	-	-	81	-	-
	AUG.	3,280	3,203	-	-	78	-	-
	SEP.	3,233	3,157	-	-	75	-	-
	3rd quarter	9,766	9,532	-	-	234	-	-
	OCT.	3,295	3,222	-	-	73	-	-
	NOV.	3,158	3,088	-	-	70	-	-
	DEC.	3,240	3,157	-	-	83	-	-
	4th quarter	9,693	9,467	-	-	226	-	-
		38,213	37,277	-	-	936	-	-

Note: ton=Metric ton.

bbbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.18 Chinese Taipei

Energy Balance Table of Chinese Taipei in 2004

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	40	-	-	-	-	-	-
2 Import	37,778	16	52,601	9,258	96	6,913	-	-	-
3 Export	-	-	-	-13,040	-3,478	-7	-893	-	-5,930
4 International Marine Bunkers	-	-	-	-2,305	-	-	-	-	-193
5 Stock Changes	-1,288	-53	-269	-643	-111	-190	-75	15	-174
6 Total Primary Energy Supply	36,490	-37	52,372	-6,730	-3,493	6,716	-968	15	-6,297
7 Transfers	-	-	-	-353	4,692	-3,944	-	-	-229
8 Total Transformation Sector	-30,652	2,023	-52,282	48,054	6,555	9,976	2,974	212	11,488
8.1 Main Activity Producer	-19,843	-	-	-2,465	-	-	-	-	-81
8.2 Autoproducers	-6,501	-652	-	-1,241	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-52,282	51,760	6,555	9,976	2,974	212	11,570
8.5 Coal Transformation	-4,308	2,675	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-2,440	-4	-	-	-0	-28
10. Discrepancy	-930	19	-90	473	4	621	135	-209	141
11 Total Final Energy Consumption	4,908	2,004	-	39,004	7,754	13,368	2,142	18	5,075
12 Industry Sector	4,908	2,004	-	20,611	7	13,368	0	7	132
13 Transport Sector	-	-	-	13,676	7,694	-	2,132	0	3,643
14 Other Sector	-	-	-	3,253	52	-	10	11	1,300
14.1 Residential & Commercial	-	-	-	2,285	52	-	10	11	359
14.2 Agriculture	-	-	-	4	0	-	-	-	1
14.3 Other	-	-	-	963	-	-	-	-	940
15 Non-energy	-	-	-	1,464	-	-	-	-	-

Note: The transformation sector and the final energy consumption sector were estimated by CA.

Energy Balance Table of Chinese Taipei in 2003

	1 Coal	2 Coal Products	3 Crude Petroleum Oil & NGL	4 Petroleum Products	4.1 Mogas	4.2 Naphtha	4.3 Jet Fuel	4.4 Kerosene	4.5 Diesel Oil
1 Indigenous Production	-	-	39	-	-	-	-	-	-
2 Import	33,625	121	44,236	8,281	167	5,880	-	-	21
3 Export	-	-	-	-9,761	-2,182	-38	-446	-271	-4,496
4 International Marine Bunkers	-	-	-	-2,825	-	-	-	-	-171
5 Stock Changes	-45	-26	-209	1,201	277	266	238	13	169
6 Total Primary Energy Supply	33,580	95	44,066	-3,104	-1,737	6,108	-208	-258	-4,476
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-28,131	4,272	-45,767	42,876	9,242	5,055	2,263	318	9,689
8.1 Main Activity Producer	-18,643	-	-	-2,916	-	-	-	-	-111
8.2 Autoproducers	-5,730	-425	-	-905	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-45,767	46,697	9,242	5,055	2,263	318	9,800
8.5 Coal Transformation	-3,758	4,697	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-0	-	-2,038	-10	-	-	-0	-79
10. Discrepancy	-584	0	1,702	-1,970	-12	0	-85	-39	-347
11 Total Final Energy Consumption	4,865	4,368	-	35,764	7,483	11,163	1,970	20	4,787
12 Industry Sector	4,563	4,368	-	17,657	7	11,163	-	8	137
13 Transport Sector	-	-	-	12,808	7,414	-	1,810	0	3,368
14 Other Sector	-	-	-	3,785	63	-	161	13	1,283
14.1 Residential & Commercial	-	-	-	2,886	63	-	161	13	408
14.2 Agriculture	-	-	-	898	0	-	-	-	874
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	301	-	-	1,514	-	-	-	-	-

Energy Balance Table of Chinese Taipei in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	695	564	10,291	85	1,412	-	-	13,087		
327	1,046	-	-	876	9,447	-	-	-	-	-	-	109,100		
-998	-439	-	-	-1,295	-	-	-	-	-	-	-	-13,040		
-2,108	-	-	-	-4	-	-	-	-	-	-	-	-2,305		
-85	-23	-	-	-	-273	-	-	-	-	-	-	-2,527		
-2,863	583	-	-	-423	9,869	564	10,291	85	1,412	-	-	104,316		
-873	-	-	-	-	-	-	-	-	-	-	-	-353		
9,512	1,750	1,444	-	4,142	-7,529	-564	-10,291	-2	-1,412	18,782	-	-33,873		
-2,384	-	-	-	-	-6,807	-564	-10,291	-1	-	15,301	-	-24,670		
-856	-	-41	-	-344	-169	-	-	-1	-1,412	3,481	-	-6,495		
-	-	-	-	-	-554	-	-	-	-	-	-	-554		
12,752	1,750	1,484	-	4,487	-	-	-	-	-	-	-	-522		
-	-	-	-	-	-	-	-	-	-	-	-	-1,633		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-765	-198	-1,444	-	-	-284	-	-	-0	-	-1,993	-	-4,716		
-48	-26	0	-	-144	-164	-	-	-0	-	-705	83	-1,314		
4,963	2,109	-	-	3,575	1,891	-	-	83	-	16,084	83	64,059		
4,311	675	-	-	2,110	854	-	-	-	-	8,684	-	37,062		
180	26	-	-	-	-	-	-	-	-	113	-	13,789		
471	1,408	-	-	-	1,037	-	-	83	-	7,287	83	11,744		
446	1,408	-	-	-	1,037	-	-	83	-	7,071	83	10,561		
3	0	-	-	-	-	-	-	-	-	122	-	126		
23	-	-	-	-	-	-	-	-	-	94	-	1,057		
-	-	-	-	1,464	-	-	-	-	-	-	-	1,464		

Energy Balance Table of Chinese Taipei in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	666	593	10,135	-	-	-	-	11,432		
342	897	-	-	973	6,505	-	-	-	-	-	-	92,768		
-723	-404	-	-	-1,201	-	-	-	-	-	-	-	-9,761		
-2,651	-	-	-	-3	-	-	-	-	-	-	-	-2,825		
176	-51	-	-	112	43	-	-	-	-	-	-	964		
-2,856	442	-	-	-119	7,214	593	10,135	-	-	-	-	92,579		
-	-	-	-	-	-	-	-	-	-	-	-	-		
9,533	1,536	1,175	-	4,065	-5,132	-593	-10,135	-	-	17,978	-	-24,631		
-2,804	-	-	-	-	-4,833	-593	-10,135	-	-	14,711	-	-22,408		
-871	-	-34	-	-	-231	-	-	-	-	3,267	-	-4,024		
-	-	-	-	-	-65	-	-	-	-	-	-	-65		
13,209	1,536	1,209	-	4,065	-3	-	-	-	-	-	-	927		
-	-	-	-	-	-	-	-	-	-	-	-	939		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-743	-31	-1,175	-	-	-395	-	-	-	-	-2,351	-	-4,784		
-943	-43	-0	-	-501	0	-	-	-	-	0	-	-852		
4,991	1,904	-	-	3,445	1,687	-	-	-	-	15,628	-	62,312		
3,806	607	-	-	1,931	802	-	-	-	-	8,502	-	35,892		
200	17	-	-	-	-	-	-	-	-	106	-	12,914		
986	1,280	-	-	-	885	-	-	-	-	7,020	-	11,690		
962	1,280	-	-	-	885	-	-	-	-	6,812	-	10,584		
24	0	-	-	-	-	-	-	-	-	208	-	1,106		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	1,514	-	-	-	-	-	-	-	1,815		

Major Energy Indicators of Chinese Taipei

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	25,092	32,573	34,900	37,525	40,934	43,581	45,989	49,770	51,280
Indigenous Production	5,654	10,340	9,733	11,235	10,475	9,646	10,748	10,792	10,482
Import	20,642	23,922	26,200	28,621	34,043	35,874	39,723	39,608	44,142
Export	-297	-1,562	-909	-898	-678	-1,094	-335	-408	-1,234
Final Energy Consumption	16,997	21,305	23,603	25,688	28,323	28,998	29,814	31,045	32,427
Industry	9,922	12,180	13,848	14,953	16,464	15,808	15,667	16,365	17,204
Transport	3,320	4,287	4,656	5,245	5,925	6,627	7,248	7,650	7,981
Residential & Commercial	2,567	3,478	3,742	4,036	4,392	4,776	4,992	5,374	5,558
Agriculture	764	896	879	957	980	960	1,033	971	956
Coal, Coal Products									
Primary Energy Supply	1,571	6,734	8,274	9,013	10,379	10,960	10,562	11,519	13,431
Indigenous Production	1,516	1,094	1,016	883	722	462	278	237	197
Import	37	6,251	6,615	8,666	10,795	10,390	11,389	11,363	13,588
Export	-5	-5	-8	-8	-1	-2	-0	-	-
Transformation Sector	-785	-2,980	-4,207	-4,782	-4,724	-5,131	-4,641	-5,192	-6,627
Power Generation	-1,489	-3,308	-4,561	-5,140	-5,237	-5,610	-5,145	-5,750	-7,188
Final Energy Consumption	1,799	3,724	4,033	4,210	5,622	5,804	5,903	6,313	6,795
Industry	1,712	3,659	3,984	4,170	5,603	5,794	5,897	6,306	6,794
Transport	3	0	0	-	-	-	-	-	-
Residential & Commercial	75	60	44	38	19	10	6	7	2
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	17,839	17,107	15,890	17,061	18,064	21,002	20,512	22,438	22,265
Indigenous Production	181	101	90	127	120	116	156	94	62
Import	17,605	16,106	16,108	17,299	18,241	20,631	21,105	20,805	22,672
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-17,839	-17,107	-15,890	-17,061	-18,064	-21,002	-20,512	-22,438	-22,265
Petroleum Refineries	-17,839	-17,107	-15,890	-17,061	-18,064	-21,002	-20,512	-22,438	-22,265
Petroleum Products									
Primary Energy Supply	1,725	-413	2,108	1,226	2,858	2,545	3,918	3,645	3,366
Import	3,001	1,565	3,477	2,655	5,007	4,854	6,467	5,595	5,956
Export	-292	-1,557	-900	-890	-676	-1,092	-335	-408	-1,234
Transformation Sector	10,661	15,019	14,121	16,375	15,222	15,619	14,359	14,219	14,858
Power Generation	-5,217	-1,125	-1,605	-1,367	-3,405	-4,773	-4,825	-5,604	-4,701
Petroleum Refineries	15,878	16,143	15,726	17,742	18,627	20,392	19,184	19,823	19,559
Final Energy Consumption	10,688	12,640	14,210	15,631	16,210	16,355	16,618	16,655	17,063
Industry	5,049	5,595	6,685	7,372	7,148	6,209	5,803	5,717	5,841
Transport	3,290	4,255	4,624	5,214	5,894	6,594	7,210	7,613	7,944
Residential & Commercial	1,232	1,530	1,665	1,746	1,781	1,916	1,836	1,821	1,738
Agriculture	701	799	763	805	824	810	895	820	813
Natural Gas									
Primary Energy Supply	1,569	1,063	968	979	1,116	1,130	1,728	2,498	2,679
Indigenous Production	1,569	1,063	968	979	1,117	1,125	1,045	790	685
Import	-	-	-	-	-	-	762	1,845	1,927
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-1,232	-1,490	-1,359
Power Generation	-	-	-	-	-	-	-241	-617	-638
Final Energy Consumption	1,339	872	797	828	891	891	926	1,116	1,251
Industry	1,078	449	354	363	392	363	392	544	639
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	261	423	443	465	500	527	534	572	612
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	3,664	4,778	5,360	5,949	6,558	7,024	7,481	8,124	8,468
Thermal	1,276	-3,304	-2,298	-3,296	-1,959	-919	-1,788	-1,547	-1,070
Hydro	252	596	638	612	529	575	704	474	718
Nuclear	2,137	7,486	7,021	8,633	7,988	7,369	8,565	9,197	8,820
Final Energy Consumption	3,171	4,069	4,563	5,020	5,599	5,947	6,367	6,961	7,318
Industry	2,083	2,476	2,825	3,048	3,321	3,442	3,575	3,799	3,930
Transport	26	31	32	31	31	33	37	37	38
Residential & Commercial	999	1,465	1,590	1,788	2,092	2,322	2,616	2,974	3,206
Agriculture	63	97	116	152	156	150	139	151	144

Major Energy Indicators of Chinese Taipei (Continued)

ktoe											
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
55,579	58,216	62,407	65,401	68,785	73,072	75,987	79,272	84,535	89,273	92,579	104,316
10,443	10,805	10,913	11,485	11,065	11,306	11,560	11,476	10,751	11,608	11,432	13,087
48,141	51,232	57,083	59,524	64,028	67,723	73,308	78,713	82,174	85,838	92,768	109,100
-918	-522	-1,350	-1,963	-2,741	-1,613	-2,096	-2,294	-4,435	-6,207	-9,761	-13,040
35,472	38,105	38,998	41,559	44,138	44,681	50,872	53,848	59,247	62,167	62,312	64,059
18,377	19,901	19,946	21,361	23,609	22,288	27,289	29,393	35,031	36,640	35,892	37,062
9,329	10,063	10,630	11,045	11,292	11,875	12,472	12,455	12,353	12,892	12,914	13,789
5,996	6,444	6,678	7,312	7,397	8,022	8,359	9,041	9,410	9,740	10,584	10,561
975	993	1,022	1,046	949	799	833	948	975	985	1,106	126
15,139	15,660	16,041	18,269	20,808	22,582	23,691	27,493	29,358	31,266	33,675	36,453
193	168	139	87	58	47	54	49	-	-	-	-
15,583	16,460	17,655	19,093	22,281	22,786	25,243	27,911	30,003	32,042	33,746	37,794
-	-	-	-	-	-	-	-	-	-	-	-
-7,720	-7,997	-8,156	-9,907	-11,219	-14,450	-16,006	-18,605	-20,038	-21,544	-23,859	-28,629
-8,363	-8,709	-8,820	-10,565	-11,880	-15,341	-16,829	-19,428	-20,964	-22,479	-24,798	-26,997
7,416	7,661	7,881	8,359	9,580	8,095	7,659	8,391	8,820	9,179	9,232	6,913
7,414	7,661	7,881	8,359	9,580	8,095	7,658	8,339	8,753	9,082	8,931	6,913
-	-	-	-	-	-	-	-	-	-	-	-
2	0	-	0	-	-	1	0	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
24,744	23,759	28,885	30,741	31,326	33,103	35,142	36,188	37,779	39,154	44,066	52,372
56	59	53	51	43	46	40	32	35	44	39	40
24,487	23,644	28,679	31,217	31,068	32,930	34,588	36,876	37,884	39,039	44,236	52,601
-0	-	-	-	-	-	-	-	-	-	-	-
-24,744	-23,759	-28,885	-30,741	-31,326	-33,103	-35,142	-36,188	-37,779	-39,154	-45,767	-52,282
-24,744	-23,759	-28,885	-30,741	-31,326	-33,103	-35,142	-36,188	-37,779	-39,154	-45,767	-52,282
3,571	5,473	3,872	2,068	2,104	1,578	1,153	-803	1,318	981	-3,104	-6,730
6,001	8,537	7,795	6,154	6,932	7,457	8,814	8,757	8,755	8,519	8,281	9,258
-918	-522	-1,350	-1,963	-2,741	-1,613	-2,096	-2,294	-4,435	-6,207	-9,761	-13,040
16,621	16,669	19,573	22,075	22,509	23,167	29,834	33,331	35,766	37,196	42,876	48,054
-5,459	-5,523	-6,653	-5,715	-5,947	-6,105	-6,337	-6,171	-5,092	-4,241	-3,821	-3,706
22,080	22,191	26,226	27,790	28,456	29,272	36,171	39,502	40,858	41,437	46,697	51,760
18,831	20,586	20,538	22,020	22,722	23,153	29,211	30,197	34,954	36,496	35,764	39,004
6,197	7,214	6,712	7,460	8,066	7,083	12,100	12,868	18,115	18,765	17,657	20,611
9,290	10,023	10,590	11,000	11,241	11,807	12,397	12,362	12,257	12,790	12,808	13,676
1,735	1,816	1,667	1,909	1,768	1,944	2,147	2,255	2,389	2,345	2,886	2,285
814	829	846	855	754	622	649	754	784	785	898	4
2,595	3,473	3,642	3,697	4,272	5,301	5,220	5,596	6,044	7,018	7,214	9,869
663	727	754	722	689	704	685	598	680	710	666	695
2,070	2,591	2,953	3,061	3,748	4,551	4,663	5,169	5,533	6,238	6,505	9,447
-	-	-	-	-	-	-	-	-	-	-	-
-1,240	-1,917	-2,027	-2,099	-1,935	-2,934	-2,886	-3,378	-4,158	-4,818	-5,132	-7,529
-530	-1,130	-1,210	-1,300	-1,846	-2,876	-2,846	-3,393	-4,077	-4,782	-5,063	-6,975
1,280	1,359	1,534	1,610	1,635	1,627	1,607	1,490	1,473	1,707	1,687	1,891
670	708	841	883	900	887	835	682	644	885	802	854
-	-	-	-	-	-	-	-	-	-	-	-
609	652	693	726	735	740	772	808	828	821	885	1,037
-	-	-	-	-	-	-	-	-	-	-	-
9,212	9,963	10,570	11,185	11,776	14,034	14,575	15,897	16,213	17,099	17,978	18,782
-318	111	603	560	1,501	3,525	3,795	5,101	6,176	6,244	7,251	7,927
578	764	764	778	823	912	769	763	789	547	593	564
8,953	9,087	9,203	9,847	9,452	9,596	10,011	10,034	9,248	10,307	10,135	10,291
7,945	8,498	9,045	9,570	10,202	11,806	12,395	13,770	13,999	14,784	15,628	16,084
4,095	4,318	4,511	4,658	5,062	6,223	6,696	7,504	7,519	7,908	8,502	8,684
39	40	40	44	51	68	75	94	96	103	106	113
3,649	3,976	4,318	4,676	4,894	5,338	5,439	5,978	6,193	6,574	6,812	7,071
161	164	176	191	195	178	184	195	192	200	208	122

Major Economic Indicators of Chinese Taipei

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	17.81	19.26	19.46	19.67	19.90	20.11	20.35	20.56
Gross Domestic Product *2								
Real Term (Billions of 2000 Price and 2000 USD)	73.51	101.73	113.57	128.04	138.08	149.45	157.51	169.41
Real Term (Billions of 2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Nominal (Billions of Current USD)	41.41	62.08	80.43	113.38	125.07	150.51	158.89	186.84
GDP per Capita *2								
Real Term (2000 Price and 2000 USD)	4,129	5,283	5,838	6,509	6,937	7,433	7,739	8,241
Real Term (2000 Price and 2000 PPP)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Nominal (Current USD)	2,326	3,223	4,134	5,763	6,284	7,485	7,807	9,089
Nominal GDP & its Components (Billions of Current TWD) *1								
Gross Domestic Product	1,491.06	2,473.79	2,855.18	3,237.05	3,523.19	3,938.83	4,307.04	4,810.71
Private Consumption, etc.	767.74	1,261.58	1,366.47	1,542.48	1,781.44	2,103.67	2,358.68	2,635.46
General Government Consumption	237.16	399.36	422.88	466.20	529.87	616.42	739.61	836.78
Fixed Investment	456.45	466.34	517.46	622.60	733.69	869.56	965.58	1,066.60
Stock Change	47.47	5.02	-16.81	44.34	100.24	53.86	28.54	53.82
Exports of Goods & NF Services	783.27	1,341.25	1,658.74	1,855.41	1,914.49	1,953.26	2,013.95	2,280.51
Imports of Goods & NF Services	801.03	999.77	1,093.57	1,293.97	1,536.52	1,657.94	1,799.32	2,062.46
Real GDP & its Components (Billions of 2001 TWD) *1								
Gross Domestic Product	2,437.80	3,373.56	3,766.14	4,246.13	4,579.05	4,956.02	5,223.39	5,617.97
Private Consumption, etc.	1,338.16	1,848.00	1,995.02	2,232.03	2,528.07	2,843.23	3,061.00	3,288.75
General Government Consumption	453.44	599.69	623.80	677.97	737.38	812.44	914.31	982.05
Fixed Investment	538.40	549.80	606.20	719.23	824.09	945.73	1,017.52	1,111.39
Stock Change	47.04	3.96	-17.31	47.00	105.36	56.03	30.86	54.96
Exports of Goods & NF Services	829.23	1,310.17	1,683.65	2,007.32	2,111.55	2,218.83	2,232.94	2,521.80
Imports of Goods & NF Services	762.75	930.79	1,114.21	1,420.65	1,704.08	1,893.55	2,006.75	2,310.00
Sectional Shares of Real GDP (%) *2								
Agriculture, Fishery and Forest	8.4	6.6	5.9	5.6	5.2	4.8	4.7	4.4
Industry	42.8	42.7	43.6	43.4	42.3	40.8	39.0	38.8
Services, etc.	48.8	50.7	50.4	51.0	52.5	54.4	56.3	56.8
Industrial Production Index (2000=100) *2	33.1	44.0	50.2	55.5	57.8	60.0	59.9	64.3
External Trade (Billions of Current USD) *1								
Exports	19.811	30.726	39.862	53.679	60.667	66.304	67.214	76.178
Imports, c.i.f.	19.733	20.102	24.181	34.983	49.673	52.265	54.716	62.861
Balance of Payments (Billions of Current USD) *1								
Trade Balance	0.078	11.151	16.910	20.160	13.690	16.115	14.807	15.683
Current Account	-0.913	9.204	16.287	18.003	10.200	11.416	10.923	12.468
Overall Balance	-0.319	6.525	23.322	28.091	-1.393	-0.780	-3.918	9.659
Foreign Exchange Rate (TWD/USD) *1	36.0100	39.8500	35.5000	28.5500	28.1700	26.1700	27.1075	25.7475
Purchasing Power Parity (TWD/International Dollar)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Price Indices								
GDP Deflator (2001=100) *2	61.2	73.3	75.8	76.2	76.9	79.5	82.5	85.6
Wholesale Price Index (2001=100) *2	102.4	106.4	102.8	99.5	97.9	97.6	97.0	97.1
Consumer Price Index (2001=100) *2	57.4	69.6	70.0	70.4	71.3	74.5	77.5	80.3
Growth Rate (%) *2								
Real GDP	9.22	4.95	11.64	12.74	7.84	8.23	5.39	7.55
Population	1.87	1.29	1.02	1.12	1.17	1.02	1.22	1.00
Price								
Wholesale Price Index	21.5	-2.6	-3.3	-3.2	-1.6	-0.4	-0.6	0.2
Consumer Price Index	19.0	-0.2	0.7	0.5	1.3	4.4	4.1	3.6

Source *1: "Taiwan Statistics Data Book", Council for Economic Planning and Development (Chinese Taipei)

*2: Estimation from *1 by the Coordinating Agency

Note : N.A. shows "not available"

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

: PPP shows Purchasing Power Parity

Major Economic Indicators of Chinese Taipei (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
20.75	20.94	21.13	21.30	21.47	21.68	21.87	22.03	22.22	22.34	22.45	22.54	22.62
182.10	194.87	208.72	222.13	235.68	250.69	261.54	275.45	291.38	284.90	296.13	306.01	323.47
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
210.17	222.28	246.33	257.40	279.30	254.47	276.24	294.41	291.38	269.93	279.87	283.29	293.69
8,775	9,304	9,880	10,427	10,977	11,561	11,958	12,501	13,116	12,753	13,189	13,579	14,303
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
10,128	10,613	11,660	12,082	13,008	11,736	12,630	13,362	13,116	12,083	12,465	12,571	12,987
5,338.95	5,918.38	6,463.60	7,017.93	7,678.13	8,305.27	8,899.29	9,244.44	9,612.49	9,447.65	9,725.36	9,844.20	10,205.89
2,987.92	3,347.75	3,773.53	4,124.74	4,539.92	4,922.26	5,315.07	5,618.45	5,955.38	6,016.16	6,121.77	6,155.95	6,428.32
893.35	924.79	941.50	999.08	1,097.70	1,197.08	1,271.35	1,218.90	1,241.54	1,240.57	1,254.47	1,281.13	1,273.73
1,288.58	1,489.59	1,588.78	1,750.64	1,727.37	1,892.45	2,097.14	2,114.90	2,256.36	1,772.41	1,728.94	1,716.00	2,053.03
73.83	60.02	51.84	26.85	54.01	116.89	120.01	49.91	-60.40	-98.96	-99.82	-79.21	62.84
2,324.86	2,608.92	2,821.16	3,367.00	3,640.09	4,011.42	4,273.67	4,476.85	5,256.54	4,821.23	5,256.60	5,750.80	6,711.52
2,229.59	2,512.68	2,713.22	3,250.38	3,380.96	3,834.84	4,177.95	4,234.57	5,036.93	4,303.75	4,526.60	4,980.46	6,323.54
6,038.61	6,462.15	6,921.48	7,366.12	7,815.62	8,313.22	8,673.13	9,134.47	9,662.54	9,447.65	9,820.31	10,147.82	10,726.91
3,584.72	3,877.43	4,205.54	4,445.50	4,736.33	5,067.90	5,393.10	5,681.59	5,956.77	6,016.16	6,140.52	6,192.27	6,386.14
1,010.92	1,015.36	997.76	1,029.18	1,097.70	1,162.10	1,209.99	1,131.42	1,137.66	1,126.00	1,123.70	1,133.08	1,133.08
1,316.77	1,474.33	1,583.43	1,699.13	1,727.37	1,911.32	2,064.43	2,101.15	2,282.02	1,881.59	1,773.02	1,744.72	1,744.72
75.89	63.02	53.07	25.10	54.01	122.77	126.47	50.62	-54.99	-103.88	-88.60	-33.99	-33.99
2,690.09	2,888.11	3,035.51	3,410.23	3,640.09	3,970.46	4,066.15	4,549.84	5,348.40	4,932.79	5,424.97	5,994.00	5,994.00
2,601.98	2,812.45	2,904.44	3,188.61	3,380.96	3,845.55	4,089.30	4,269.46	4,889.81	4,211.44	4,457.42	4,794.37	4,794.37
4.0	3.9	3.5	3.4	3.2	2.9	2.6	2.6	2.5	2.0	2.0	1.9	1.7
38.2	37.4	37.1	36.6	35.7	35.5	34.9	34.6	34.6	31.2	31.8	32.1	32.9
57.8	58.7	59.4	60.0	61.1	61.5	62.5	62.8	63.0	66.9	66.2	66.0	65.4
67.2	69.7	74.4	77.9	79.4	84.3	87.1	93.5	100.0	92.2	99.5	106.6	116.1
81.470	85.091	93.049	111.659	115.942	122.081	110.582	121.591	148.321	122.866	130.597	144.180	144.180
72.007	77.061	85.349	103.550	102.370	114.425	104.665	110.690	140.011	107.237	112.530	127.249	127.249
12.718	11.450	11.849	13.235	17.543	13.882	10.316	14.705	13.624	19.864	24.193	24.899	24.899
8.550	7.042	6.498	5.474	10.923	7.051	3.437	7.992	8.851	17.891	25.630	29.202	29.202
1.367	1.541	4.622	-3.931	1.102	-0.728	4.827	18.593	2.477	17.353	33.664	37.092	37.092
25.4025	26.6260	26.2400	27.2650	27.4910	32.6380	32.2160	31.4000	32.9900	35.0000	34.7500	34.7500	34.7500
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
88.4	91.6	93.4	95.3	98.2	99.9	102.6	101.2	99.5	100.0	99.0	97.0	95.1
93.6	95.9	98.0	105.2	104.2	103.7	104.3	99.6	101.4	100.0	100.1	102.5	109.7
83.9	86.4	89.9	93.2	96.1	97.0	98.6	98.8	100.0	100.0	99.8	99.5	101.1
7.49	7.01	7.11	6.42	6.10	6.37	4.33	5.32	5.78	-2.22	3.94	3.33	5.71
0.95	0.93	0.87	0.84	0.78	0.99	0.87	0.75	0.83	0.56	0.51	0.37	0.36
-3.7	2.5	2.2	7.4	-1.0	-0.5	0.6	-4.0	-2.8	0.5	-1.3	2.5	9.7
4.5	2.9	4.1	3.7	3.1	0.9	1.7	1.9	1.4	1.2	-0.2	-0.5	1.3

Original Table (Quarterly) of Chinese Taipei in 2005

Coal		Unit: 1,000 ton			
		Production	Imports	Exports	Stock Changes
2005	JAN.	-	5,317	-	566
	FEB.	-	3,821	-	-375
	MAR.	-	5,349	-	458
	1st quarter	-	14,487	-	649
	APR.	-	5,112	-	420
	MAY.	-	5,063	-	-35
	JUN.	-	4,643	-	-535
	2nd quarter	-	14,818	-	-150
	JUL.	-	5,159	-	-202
	AUG.	-	5,058	-	-350
	SEP.	-	5,983	-	844
	3rd quarter	-	16,201	-	292
	OCT.	-	5,078	-	155
	NOV.	-	5,137	-	291
	DEC.	-	4,623	-	-198
	4th quarter	-	14,838	-	248
		-	60,344	-	1,039

Oil		Unit: 1,000kL						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	5	4,260		-734	1,107	1,668	-114
	FEB.	3	5,232		563	452	1,143	41
	MAR.	4	5,192		-4	562	1,558	1
	1st quarter	12	14,684		-175	2,122	4,369	-73
	APR.	2	5,288		66	569	1,654	-150
	MAY.	2	5,065		-247	753	1,586	-173
	JUN.	2	4,348		-231	831	1,148	-77
	2nd quarter	6	14,701		-413	2,153	4,389	-400
	JUL.	2	4,714		342	879	942	-218
	AUG.	2	4,827		211	871	1,130	-105
	SEP.	2	5,123		-110	710	1,536	-133
	3rd quarter	7	14,664		443	2,460	3,608	-456
	OCT.	2	5,519		-108	780	1,817	-193
	NOV.	2	5,148		-255	664	1,819	-271
	DEC.	3	5,924		701	598	1,510	-477
	4th quarter	8	16,592		338	2,041	5,146	-941
		32	60,640	-	193	8,777	17,512	-1,870

Original Table (Quarterly) of Chinese Taipei in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³			
		Production	Imports	Exports	Stock Changes
2005	JAN.	67,514	397,495	-	-8,963
	FEB.	49,616	476,390	-	-9,217
	MAR.	58,225	634,172	-	-19,321
	1st quarter	175,355	1,508,057	-	-37,501
	APR.	49,014	793,020	-	3,827
	MAY.	38,885	870,174	-	17,944
	JUN.	42,618	866,235	-	61,267
	2nd quarter	130,517	2,529,429	-	83,038
	JUL.	38,073	926,576	-	-45,325
	AUG.	37,895	1,097,570	-	139,633
	SEP.	38,269	858,065	-	-136,009
	3rd quarter	114,237	2,882,211	-	-41,701
	OCT.	38,269	945,883	-	23,638
	NOV.	39,215	870,967	-	75,820
	DEC.	49,877	636,443	-	47,305
	4th quarter	127,361	2,453,293	-	146,763
		547,470	9,372,990	-	150,599

Electricity		Unit: GWh					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	17,156	9,188	489	3,726	3,752	-	-
	FEB.	14,714	7,895	526	3,192	3,102	-	-
	MAR.	17,578	10,271	790	3,223	3,294	-	-
	1st quarter	49,448	27,354	1,805	10,141	10,148	-	-
	APR.	17,791	10,735	725	3,138	3,193	-	-
	MAY.	19,961	12,366	708	3,390	3,498	-	-
	JUN.	20,000	11,915	792	3,635	3,659	-	-
	2nd quarter	57,752	35,016	2,225	10,162	10,349	-	-
	JUL.	21,672	13,407	787	3,613	3,866	-	-
	AUG.	21,652	13,345	794	3,638	3,875	-	-
	SEP.	20,446	13,285	704	2,848	3,608	-	-
	3rd quarter	63,770	40,037	2,285	10,099	11,349	-	-
	OCT.	19,682	12,286	638	3,161	3,598	-	-
	NOV.	18,446	11,479	499	2,917	3,552	-	-
	DEC.	18,124	10,844	460	3,492	3,328	-	-
	4th quarter	56,252	34,609	1,596	9,570	10,478	-	-
		227,221	137,016	7,911	39,972	42,323	-	-

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.19 Thailand

Energy Balance Table of Thailand in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	5,610	-	10,316	-	-	-	-	-	-
2 Import	3,330	1,418	43,531	1,511	146	-	39	-	615
3 Export	-	-	-2,892	-5,473	-1,012	-	-300	-54	-2,053
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	136	-	1,294	-605	-98	-	-47	-953	878
6 Total Primary Energy Supply	9,077	1,418	52,250	-4,567	-964	-	-309	-1,007	-560
7 Transfers	-	-	-4,555	4,555	-	-	-	-	-
8 Total Transformation Sector	-4,656	-	-46,816	35,287	6,674	-	3,773	1,028	17,405
8.1 Main Activity Producer	-4,656	-	-	-1,715	-	-	-	-	-104
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-46,816	37,244	6,674	-	3,773	1,028	17,510
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-243	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	97	-1	-512	-28	0	-	0	2	-20
11 Total Final Energy Consumption	4,518	1,417	367	35,247	5,710	-	3,465	23	16,825
12 Industry Sector	4,518	1,417	-	4,132	34	-	-	13	1,281
13 Transport Sector	-	-	-	22,780	5,619	-	3,465	-	12,107
14 Other Sector	-	-	-	5,276	57	-	-	10	3,437
14.1 Residential & Commercial	-	-	-	1,777	-	-	-	9	1
14.2 Agriculture	-	-	-	3,500	57	-	-	1	3,436
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	367	3,059	-	-	-	-	-

Energy Balance Table of Thailand in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	5,520	-	7,736	-	-	-	-	-	-
2 Import	4,500	43	39,082	867	105	-	35	-	526
3 Export	-	-	-3,092	-4,901	-833	-	-460	-91	-1,869
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-353	-	1,949	-613	-26	-	31	-460	317
6 Total Primary Energy Supply	9,667	43	45,674	-4,647	-754	-	-394	-551	-1,026
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-4,459	-	-42,897	35,607	6,496	-	3,496	581	16,260
8.1 Main Activity Producer	-4,459	-	-	-715	-	-	-	-	-45
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	498	1,941	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-43,396	34,381	6,496	-	3,496	581	16,305
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-170	-	-	-	-	-	-
10. Discrepancy	-217	-	-0	249	-0	-	-0	-0	0
11 Total Final Energy Consumption	4,991	43	2,607	31,208	5,742	-	3,103	30	15,235
12 Industry Sector	4,991	43	-	4,503	19	-	-	21	976
13 Transport Sector	-	-	-	21,107	5,667	-	3,103	-	10,984
14 Other Sector	-	-	-	5,099	56	-	-	9	3,259
14.1 Residential & Commercial	-	-	-	1,778	-	-	-	8	1
14.2 Agriculture	-	-	-	3,320	56	-	-	1	3,258
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	2,607	476	-	-	-	-	-

Energy Balance Table of Thailand in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	14,877	519	-	2	16,381	-	-	47,706		
709	4	-	-	-	7,607	-	-	-	23	291	-	57,712		
-1,015	-1,039	-	-	-	-	-	-	-	-3	-32	-	-8,400		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-299	-86	-	-	-	-	-	-	-	-	-	-	825		
-605	-1,122	-	-	-	22,484	519	-	2	16,401	259	-	97,843		
-	1,991	-	-	2,564	-	-	-	-	-	-	-	-		
4,724	1,683	-	-	-	-19,786	-519	-	-2	-5,885	10,812	-	-31,564		
-1,610	-	-	-	-	-19,786	-519	-	-2	-	9,650	-	-17,027		
-	-	-	-	-	-	-	-	-	-1,033	1,162	-	129		
-	-	-	-	-	-	-	-	-	-	-	-	-		
6,334	1,926	-	-	-	-	-	-	-	-	-	-	-9,571		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-243	-	-	-	-	-	-	-	-4,852	-	-	-5,094		
-	-	-	-	-	-	-	-	-	-	-1,218	-	-1,218		
-1	-10	-	-	-	-357	-	-	-	1	-0	-	-801		
4,118	2,543	-	-	2,564	2,341	-	-	-	10,517	9,854	-	64,260		
2,785	19	-	-	-	2,314	-	-	-	4,870	4,538	-	21,788		
1,326	263	-	-	-	27	-	-	-	-	4	-	22,811		
7	1,766	-	-	-	-	-	-	-	5,647	5,312	-	16,235		
3	1,764	-	-	-	-	-	-	-	5,647	5,249	-	12,673		
4	2	-	-	-	-	-	-	-	-	19	-	3,519		
-	-	-	-	-	-	-	-	-	-	43	-	43		
-	495	-	-	2,564	-	-	-	-	-	-	-	3,426		

Energy Balance Table of Thailand in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	18,984	628	-	2	-	-	-	32,868		
200	-	-	-	-	7,071	-	-	-	-	213	-	51,776		
-741	-907	-	-	-	-	-	-	-	-	-25	-	-8,019		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-456	-19	-	-	-	-	-	-	-	-	-	-	983		
-997	-926	-	-	-	26,054	628	-	2	-	188	-	77,608		
-	-	-	-	-	-	-	-	-	-	-	-	-		
5,092	3,682	-	-	-	-19,821	-628	-	-2	-	10,061	-	-22,139		
-670	-	-	-	-	-19,642	-628	-	-2	-	10,061	-	-15,385		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	1,941	-	-	-	-179	-	-	-	-	-	-	2,261		
5,762	1,741	-	-	-	-	-	-	-	-	-	-	-9,015		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-3,916	-	-	-	-	-1,050	-	-5,136		
-0	249	-	-	-	-1	-	-	-	-	-0	-	30		
4,095	3,004	-	-	-	2,316	-	-	-	-	9,198	-	50,364		
2,975	512	-	-	-	1,995	-	-	-	-	4,126	-	15,659		
1,107	247	-	-	-	13	-	-	-	-	3	-	21,123		
6	1,769	-	-	-	-	-	-	-	-	4,976	-	10,075		
2	1,767	-	-	-	-	-	-	-	-	4,957	-	6,736		
4	2	-	-	-	-	-	-	-	-	19	-	3,339		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	476	-	-	-	308	-	-	-	-	-	-	3,391		

Major Energy Indicators of Thailand

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	12,104	15,673	16,110	18,953	21,304	24,971	29,940	32,454	35,680
Indigenous Production	531	6,701	6,831	8,256	9,406	10,169	11,854	13,809	14,813
Import	12,012	9,393	9,535	11,359	12,112	15,766	18,968	19,352	22,267
Export	-16	-442	-570	-477	-678	-713	-791	-949	-1,003
Final Energy Consumption	9,272	11,955	12,721	14,295	16,225	19,222	22,218	23,606	25,964
Industry	2,759	3,043	3,048	3,451	3,915	4,825	5,917	6,539	7,426
Transport	4,278	6,360	6,820	7,875	8,914	10,169	11,474	11,910	12,653
Residential & Commercial	991	1,566	1,768	1,956	2,382	2,388	2,675	2,922	3,480
Agriculture	1,130	841	881	835	834	1,639	1,820	1,827	1,897
Coal, Coal Products									
Primary Energy Supply	445	1,589	1,627	2,094	2,271	2,763	3,828	4,466	4,794
Indigenous Production	408	1,401	1,508	1,932	2,049	2,592	3,603	4,193	4,426
Import	60	213	141	197	240	300	220	331	342
Export	-1	-	-	-1	-	-	-	-	-
Transformation Sector	-331	-1,143	-1,163	-1,420	-1,463	-1,681	-2,472	-2,907	-3,067
Power Generation	-331	-1,143	-1,163	-1,420	-1,463	-1,681	-2,472	-2,907	-3,067
Final Energy Consumption	114	446	464	674	808	1,082	1,356	1,559	1,727
Industry	114	446	464	674	808	1,082	1,356	1,559	1,713
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	7,745	8,134	8,502	8,949	9,085	11,249	12,220	12,425	15,432
Indigenous Production	14	1,732	1,706	1,584	1,832	1,904	2,112	2,210	2,521
Import	7,866	6,751	7,178	7,868	7,509	10,143	10,961	10,996	13,792
Export	-	-403	-493	-445	-676	-704	-767	-916	-844
Transformation Sector	-7,736	-8,050	-8,478	-8,750	-9,040	-11,106	-11,687	-12,269	-15,111
Petroleum Refineries	-7,736	-8,141	-8,563	-8,849	-9,148	-11,180	-11,806	-12,440	-15,300
Petroleum Products									
Primary Energy Supply	3,739	2,322	2,301	3,135	4,388	5,233	7,700	8,110	7,550
Import	4,020	2,367	2,151	3,258	4,326	5,268	7,731	7,974	8,092
Export	-14	-37	-76	-29	-	-7	-21	-29	-155
Transformation Sector	4,288	6,221	7,950	8,255	8,518	9,935	9,566	9,834	11,918
Power Generation	-2,982	-856	-827	-550	-788	-1,171	-2,548	-3,034	-3,565
Petroleum Refineries	7,270	6,645	8,247	8,324	8,786	10,764	11,490	11,943	14,508
Final Energy Consumption	8,027	9,587	10,251	11,419	12,906	15,168	17,267	17,944	19,468
Industry	2,090	1,619	1,623	1,764	1,933	2,302	2,753	2,932	3,517
Transport	4,278	6,360	6,820	7,875	8,914	10,169	11,474	11,910	12,653
Residential & Commercial	417	648	752	794	1,072	899	927	920	1,005
Agriculture	1,128	836	876	830	828	1,631	1,811	1,819	1,887
Natural Gas									
Primary Energy Supply	-	3,250	3,139	4,390	5,200	5,194	5,710	7,011	7,501
Indigenous Production	-	3,250	3,139	4,390	5,200	5,194	5,710	7,011	7,501
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-2,984	-2,917	-4,167	-4,943	-4,861	-5,183	-6,345	-6,746
Power Generation	-	-2,388	-2,273	-3,504	-4,189	-4,292	-4,216	-5,359	-5,672
Final Energy Consumption	-	178	87	40	60	114	267	360	441
Industry	-	178	87	40	60	114	266	360	441
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	1,241	1,984	2,126	2,464	2,792	3,217	3,799	4,276	4,911
Thermal	1,131	1,667	1,648	2,114	2,467	2,738	3,371	3,882	4,546
Hydro	109	318	478	350	325	479	428	394	364
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	1,131	1,723	1,895	2,141	2,430	2,824	3,297	3,698	4,240
Industry	555	800	874	973	1,114	1,327	1,542	1,688	1,755
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	574	918	1,016	1,162	1,310	1,489	1,747	2,002	2,475
Agriculture	2	5	5	5	6	8	8	8	10

Major Energy Indicators of Thailand (Continued)

ktoe											
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
40,384	45,080	51,659	57,710	60,353	58,103	60,921	63,255	67,035	71,677	77,608	97,843
15,901	17,586	18,485	21,411	24,926	25,658	26,823	28,559	28,926	30,679	32,868	47,706
25,882	28,245	33,750	41,782	41,347	36,703	39,319	40,086	45,399	47,854	51,776	57,712
-977	-1,176	-1,174	-4,360	-5,800	-5,307	-5,862	-5,450	-7,557	-8,266	-8,019	-8,400
29,223	33,086	37,561	41,862	42,183	39,336	40,667	41,557	44,069	46,865	50,364	64,260
8,705	10,418	11,944	13,400	12,516	10,992	12,461	12,833	13,762	15,064	15,659	25,214
14,581	16,336	18,761	20,094	21,398	19,031	19,168	18,828	18,805	19,819	21,123	22,811
4,066	4,087	4,735	5,169	5,614	5,641	5,358	5,731	6,040	6,401	6,736	12,673
1,618	1,576	1,574	1,786	1,494	1,897	2,180	2,180	2,874	3,061	3,339	3,519
5,378	6,120	7,064	8,643	8,716	7,332	7,989	7,838	8,898	9,305	9,710	10,495
4,631	5,174	5,524	6,314	6,868	6,131	5,752	5,196	5,697	5,742	5,520	5,610
659	957	1,515	2,478	2,053	1,027	2,048	2,655	3,140	3,597	4,543	4,748
-	-	-	-	-	-	-	-	-	-	-	-
-2,848	-3,014	-3,406	-4,197	-4,745	-4,063	-4,077	-4,204	-4,480	-4,375	-4,459	-4,656
-2,848	-3,014	-3,406	-4,197	-4,745	-4,063	-4,077	-4,204	-4,480	-4,375	-4,459	-4,656
2,531	3,106	3,658	4,446	3,971	3,268	3,912	3,660	4,418	4,930	5,034	5,935
2,524	3,106	3,658	4,443	3,970	3,267	3,912	3,660	4,418	4,930	5,034	5,935
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
18,092	20,883	24,901	33,321	38,500	37,544	39,024	39,400	40,273	41,897	45,674	52,250
2,554	2,716	2,550	2,947	3,409	3,652	3,955	5,159	5,492	6,280	7,736	10,316
16,096	18,610	22,840	31,686	36,419	34,239	35,184	34,062	35,923	36,697	39,082	43,531
-617	-882	-715	-1,127	-1,185	-1,041	-728	-514	-1,925	-2,731	-3,092	-2,892
-17,678	-20,653	-24,668	-32,932	-38,006	-37,257	-37,592	-37,774	-37,989	-39,659	-42,897	-46,816
-17,905	-20,862	-24,871	-33,138	-38,281	-37,506	-37,901	-38,169	-38,446	-40,156	-43,396	-46,816
8,147	8,311	9,230	3,534	-1,567	-2,793	-3,412	-4,361	-5,794	-4,925	-4,647	-4,567
9,072	8,603	9,335	7,549	2,811	1,278	1,866	1,179	392	793	867	1,511
-356	-289	-452	-3,225	-4,606	-4,253	-5,119	-4,919	-5,610	-5,512	-4,901	-5,473
13,426	15,392	18,104	26,494	31,981	30,980	30,632	31,530	33,607	34,206	35,607	35,287
-4,320	-4,920	-5,611	-5,918	-5,053	-4,339	-3,726	-2,344	-738	-664	-715	-1,715
16,732	19,398	22,211	30,237	34,963	33,123	32,801	32,193	32,499	32,988	34,381	37,244
21,238	23,882	26,859	29,542	29,767	28,085	27,337	27,303	28,010	29,474	31,208	35,247
3,811	4,243	4,676	5,043	4,629	4,188	4,316	4,335	4,170	4,440	4,503	7,191
14,581	16,336	18,758	20,089	21,393	19,026	19,163	18,822	18,800	19,811	21,107	22,780
1,116	1,207	1,444	1,507	1,510	1,394	1,479	1,637	1,725	1,738	1,778	1,777
1,607	1,568	1,565	1,775	1,480	1,879	2,166	2,167	2,858	3,044	3,320	3,500
8,397	9,307	9,833	11,518	14,029	15,447	16,837	19,620	22,890	24,537	26,054	22,484
8,397	9,307	9,833	11,518	14,029	15,428	16,810	17,685	17,193	18,012	18,984	14,877
-	-	-	-	-	19	27	1,935	5,696	6,525	7,071	7,607
-	-	-	-	-	-	-	-	-	-	-	-
-7,611	-8,413	-7,567	-8,575	-11,058	-11,636	-12,427	-14,273	-17,578	-18,880	-19,821	-19,786
-6,407	-7,290	-7,476	-8,466	-10,910	-11,479	-12,263	-14,106	-17,399	-18,698	-19,642	-19,786
492	587	787	940	951	890	1,127	1,389	1,572	1,767	2,316	2,341
492	582	784	935	946	885	1,122	1,386	1,570	1,762	1,995	2,314
-	-	3	5	5	5	5	2	2	6	13	27
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
5,453	6,121	6,885	7,522	8,020	7,746	7,746	8,254	8,808	9,375	10,061	10,812
5,135	5,733	6,308	6,891	7,400	7,301	7,442	7,736	8,266	8,733	9,433	10,293
318	388	577	631	619	445	304	518	542	643	628	519
-	-	-	-	-	-	-	-	-	-	-	-
4,840	5,376	6,125	6,652	7,089	6,917	7,005	7,562	7,937	8,615	9,198	9,854
1,878	2,487	2,826	2,979	2,971	2,652	3,111	3,452	3,604	3,933	4,126	4,538
-	-	-	-	-	-	-	3	3	3	3	4
2,950	2,880	3,291	3,662	4,104	4,247	3,879	4,094	4,315	4,662	4,957	5,249
11	8	9	11	14	18	14	13	15	17	19	19

Major Economic Indicators of Thailand

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	46.33	50.61	51.43	52.25	53.06	53.85	54.64	55.41
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	37.27	48.60	51.29	56.17	63.63	71.39	79.36	86.15
Real Term (Billions of 2000 Price and 2000 PPP)	117.13	152.71	161.16	176.50	199.95	224.32	249.37	270.72
Nominal (Billions of Current USD)	32.35	38.90	43.10	50.54	61.67	72.25	85.34	98.23
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	804	960	997	1,075	1,199	1,326	1,452	1,555
Real Term (2000 Price and 2000 PPP)	2,528	3,017	3,133	3,378	3,769	4,165	4,564	4,885
Nominal (Current USD)	698	769	838	967	1,162	1,342	1,562	1,773
Nominal GDP & its Components (Billions of Current THB) *1								
Gross Domestic Product	662.48	1,056.50	1,133.40	1,299.91	1,559.80	1,856.99	2,183.54	2,506.64
Household Final Consumption Expenditure, etc.	433.58	657.37	695.78	781.06	885.01	1,030.56	1,234.98	1,378.06
General Government Final Consumption Expenditure	81.43	142.92	144.56	147.22	156.71	176.80	205.35	231.13
Gross Fixed Capital Formation	183.99	287.00	292.19	359.27	478.53	642.88	881.76	1,043.55
Stock Change	9.07	11.40	1.04	3.08	29.82	8.30	21.21	30.33
Exports of Goods and Services	159.73	245.25	290.17	375.60	514.92	648.49	745.29	901.49
Imports of Goods and Services	201.18	274.07	267.13	368.32	536.60	696.10	909.46	1,065.49
Real GDP & its Components (Billions of 1988 THB) *1								
Gross Domestic Product	913.73	1,191.25	1,257.18	1,376.85	1,559.80	1,749.95	1,945.37	2,111.86
Household Final Consumption Expenditure, etc.	607.23	723.20	748.90	813.78	885.01	984.18	1,110.93	1,171.16
General Government Final Consumption Expenditure	106.94	151.25	150.21	150.64	156.71	160.82	171.94	182.59
Gross Fixed Capital Formation	269.63	333.64	331.35	392.41	478.53	586.32	759.87	856.23
Stock Change	6.45	12.23	0.14	1.78	29.82	8.43	20.65	28.45
Exports of Goods and Services	195.23	288.02	332.42	404.91	514.92	625.83	709.65	817.09
Imports of Goods and Services	271.20	290.57	287.87	384.48	536.60	652.44	806.98	911.39
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	19.9	19.1	18.2	16.6	16.2	15.8	13.6	13.4
Industry	30.1	31.6	32.3	33.7	34.6	36.2	37.8	39.0
Services, etc.	50.0	49.4	49.5	49.8	49.2	48.0	48.6	47.6
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.	6.505	7.121	8.872	11.654	15.953	20.078	23.068	28.428
Imports, c.i.f.	9.214	9.242	9.173	13.023	20.285	25.771	33.045	37.569
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-1.902	-1.332	0.388	-0.424	-2.074	-2.916	-6.751	-5.989
Current Account	-2.076	-1.537	0.247	-0.366	-1.654	-2.498	-7.281	-7.571
Overall Balance	-0.206	0.105	0.714	0.945	2.596	5.029	3.235	4.618
Foreign Exchange Rate (THB/USD) *1	20.4764	27.1589	26.2989	25.7228	25.2939	25.7020	25.5855	25.5168
Purchasing Power Parity (THB/International Dollar) *1	10.5544	9.9208	9.8334	10.0475	10.3033	10.5674	10.7632	10.9733
Price Indices								
GDP Deflator (1988=100) *3	72.5	88.7	90.2	94.4	100.0	106.1	112.2	118.7
Wholesale Price Index (2000=100) *2	52.0	56.8	56.6	59.9	64.9	67.8	70.2	75.0
Consumer Price Index (2000=100) *2	41.8	53.1	54.1	55.5	57.6	60.7	64.3	68.0
Growth Rate (%) *3								
Real GDP	5.17	4.65	5.53	9.52	13.29	12.19	11.17	8.56
Population	2.11	1.65	1.62	1.58	1.55	1.50	1.46	1.42
Price								
Wholesale Price Index	20.1	0.0	-0.4	5.9	8.2	4.6	3.5	6.8
Consumer Price Index	19.7	2.4	1.8	2.5	3.8	5.4	5.9	5.7

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. shows "not available"

: THB shows Baht, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Thailand (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
56.17	56.92	57.64	58.34	59.00	59.64	60.25	60.85	61.44	62.02	62.59	63.14	63.69
93.12	100.80	109.86	120.01	127.09	125.34	112.17	117.16	122.73	125.39	132.05	141.34	150.06
292.60	316.74	345.21	377.10	399.35	393.87	352.48	368.15	385.64	394.00	414.95	444.13	471.54
111.45	125.01	144.31	168.02	181.95	150.89	111.86	122.63	122.73	115.54	126.88	142.92	161.69
1,658	1,771	1,906	2,057	2,154	2,102	1,862	1,925	1,998	2,022	2,110	2,238	2,356
5,209	5,565	5,989	6,464	6,769	6,604	5,850	6,050	6,277	6,353	6,630	7,034	7,403
1,984	2,196	2,504	2,880	3,084	2,530	1,857	2,015	1,998	1,863	2,027	2,263	2,539
2,830.91	3,165.22	3,629.34	4,186.21	4,611.04	4,732.61	4,626.45	4,637.08	4,922.73	5,133.50	5,450.64	5,928.97	6,503.49
1,550.50	1,730.52	1,958.73	2,225.74	2,479.83	2,586.96	2,505.31	2,595.11	2,762.92	2,941.01	3,119.98	3,388.46	3,687.55
280.20	315.98	354.39	414.40	469.52	476.70	511.69	533.04	557.81	581.12	603.89	635.25	721.31
1,111.28	1,252.92	1,450.22	1,719.12	1,892.92	1,598.63	1,035.45	965.90	1,081.42	1,181.31	1,243.19	1,423.91	1,686.84
20.06	13.48	10.72	43.04	35.24	-5.47	-89.47	-15.29	42.74	55.77	3,237.04	3,464.70	3,678.51
1,046.66	1,201.51	1,410.79	1,751.67	1,809.91	2,272.12	2,723.95	2,703.31	3,287.28	3,380.75	3,499.00	3,886.57	4,587.86
1,160.17	1,335.68	1,586.56	2,033.89	2,099.23	2,205.12	1,988.91	2,120.35	2,862.30	3,047.57	3,134.26	3,485.27	4,281.86
2,282.57	2,470.91	2,692.97	2,941.74	3,115.34	3,072.61	2,749.68	2,871.98	3,008.40	3,073.60	3,237.04	3,464.70	3,678.51
1,273.03	1,380.20	1,486.10	1,601.69	1,694.44	1,671.18	1,478.78	1,542.77	1,623.72	1,690.64	1,782.65	1,896.33	2,008.21
194.28	204.21	220.94	232.46	260.47	253.10	262.96	271.03	277.13	284.03	286.06	292.68	306.49
913.05	997.75	1,111.15	1,236.09	1,323.01	1,051.25	585.30	566.41	597.44	604.21	643.78	721.37	820.56
17.80	13.81	8.27	42.89	22.51	-0.75	-69.30	-6.69	25.64	35.78	34.43	49.93	56.84
929.91	1,050.66	1,200.67	1,386.11	1,309.53	1,404.25	1,519.99	1,657.26	1,947.08	1,865.08	2,088.77	2,235.66	2,451.12
993.13	1,124.47	1,286.68	1,543.60	1,534.26	1,360.92	1,066.32	1,178.17	1,497.67	1,415.36	1,609.27	1,745.52	1,980.89
13.0	10.3	9.9	9.4	9.3	9.3	10.3	10.1	10.3	10.4	10.0	10.4	9.3
39.7	41.9	42.4	43.0	43.4	43.3	42.0	44.1	44.4	44.1	44.9	45.9	46.7
47.3	47.8	47.7	47.6	47.3	47.4	47.7	45.8	45.3	45.5	45.2	43.7	44.0
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
32.472	36.969	45.261	56.439	55.721	57.374	54.456	58.440	69.057	64.968	68.108	80.333	97.414
40.686	46.077	54.459	70.786	72.332	62.854	42.971	50.342	61.924	61.962	64.645	75.805	95.353
-4.161	-4.297	-3.726	-7.968	-9.488	1.572	16.238	14.013	11.701	8.543	9.081	11.175	11.124
-6.303	-6.364	-8.085	-13.554	-14.692	-3.021	14.243	12.428	9.313	6.192	7.014	7.953	7.080
3.029	3.907	4.169	7.159	2.167	-18.250	-2.696	1.388	-1.806	2.276	5.537	0.518	5.710
25.4001	25.3196	25.1500	24.9152	25.3427	31.3643	41.3594	37.8137	40.1118	44.4319	42.9601	41.4846	40.2224
11.1223	11.3187	11.6520	12.0462	12.2221	12.4595	13.3431	12.7177	12.7650	12.7138	12.6145	12.5912	12.8874
124.0	128.1	134.8	142.3	148.0	154.0	168.3	161.5	163.6	167.0	168.4	171.1	176.8
75.1	74.8	77.8	84.1	85.7	90.0	101.0	96.2	100.0	102.5	104.2	108.4	115.7
70.7	73.1	76.8	81.3	86.0	90.8	98.2	98.5	100.0	101.6	102.3	104.1	107.0
8.08	8.25	8.99	9.24	5.90	-1.37	-10.51	4.45	4.75	2.17	5.32	7.03	6.17
1.37	1.33	1.27	1.20	1.14	1.08	1.03	0.99	0.97	0.94	0.92	0.89	0.87
0.2	-0.4	4.0	8.2	1.8	5.1	12.2	-4.7	3.9	2.5	1.7	4.0	6.7
4.1	3.4	5.1	5.8	5.8	5.6	8.1	0.3	1.6	1.6	0.6	1.8	2.8

Energy Price of Thailand in 2004

Currency Exchange Rate

	Local currency / US Dollar	40.37฿
Currency Exchange Rate		
Local Currency Unit		

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	฿ / ton	2,030.00	Anthracite			Anthracite		
Other bituminous coal	฿ / ton	937.00	Other bituminous coal			Other bituminous coal		
Sub-bituminous Coal	฿ / ton	1,701.00	Sub-bituminous Coal			Sub-bituminous Coal		
Lignite			Lignite			Lignite	฿ / ton	496.14
Peat			Peat			Peat		
Patent Fuel			Patent Fuel			Patent Fuel		
Coke	฿ / ton	15,005.00	Coke			Coke		
Coal Tar			Coal Tar			Coal Tar		
BKB/PB			BKB/PB			BKB/PB		
Oil and Oil Products			Oil and Oil Products			Oil and Oil Products		
Crude Oil	฿ / lt.	9.61	Crude Oil			Crude Oil		
Natural Gas Liquids			Natural Gas Liquids			Natural Gas Liquids		
Ethane			Ethane			Ethane		
LPG	฿ / kg.	12.32	LPG	฿ / kg.	12.13	LPG	฿ / lt.	8.91
Naphtha			Naphtha			Naphtha		
Motor Gasoline	฿ / litre	12.40	Motor Gasoline	฿ / lt.	17.39	Motor Gasoline (ULG 95)	฿ / lt.	19.05
Aviation Gasoline			Aviation Gasoline			Aviation Gasoline	฿ / lt.	12.81
Gasoline Type Jet Fuel			Gasoline Type Jet Fuel			Gasoline Type Jet Fuel		
Kerosene Type Jet Fuel	฿ / litre	11.91	Kerosene Type Jet Fuel	฿ / lt.	16.66	Kerosene Type Jet Fuel	฿ / lt.	19.50
Other Kerosene			Other Kerosene			Other Kerosene		
Gas/Diesel Oil	฿ / litre	12.12	Gas/Diesel Oil	฿ / lt.	13.48	Gas/Diesel Oil (HSD)	฿ / lt.	14.59
Fuel Oil	฿ / litre	8.10	Fuel Oil	฿ / lt.	8.58	Fuel Oil (1500)	฿ / lt.	10.98
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	฿ / scf	0.13	Natural Gas			Natural Gas	฿ / MBTU	203.00
Liquefied Natural Gas			Liquefied Natural Gas			Liquefied Natural Gas		
Compressed Natural Gas			Compressed Natural Gas			Compressed Natural Gas		
Electricity			Electricity			Electricity*		
Electricity	฿ / kWh	1.66	Electricity	฿ / kWh	2.14	Industrial	฿ / kWh	2.55
Other Energy Products			Other Energy Products			Commercial	฿ / kWh	2.64
						Residential	฿ / kWh	2.75
						Others	฿ / kWh	3.91
						Other Energy Products		
						Fuel Wood **	฿ / kg.	4.00
						Charcoal **	฿ / kg.	7.00
						Paddy Husk **	฿ / kg.	2.00
						Bagasse	฿ / ton	400.00

* Electricity exclude value Added Tax (VAT)

** Renewable energy which are used for Residential Sector

Original Table (Quarterly) of Thailand in 2005

Coal		Unit: kt			
		Production	Imports	Exports	Stock Changes
2005	JAN.	1,722	710	-	NA
	FEB.	1,427	673	-	NA
	MAR.	1,779	655	-	NA
	1st quarter	4,928	2,038	-	NA
	APR.	1,715	714	-	NA
	MAY.	1,939	886	-	NA
	JUN.	1,848	766	-	NA
	2nd quarter	5,502	2,366	-	NA
	JUL.	1,840	441	-	NA
	AUG.	1,724	974	-	NA
	SEP.	1,531	697	-	NA
	3rd quarter	5,095	2,112	-	NA
	OCT.	1,804	555	-	NA
	NOV.	1,844	871	-	NA
	DEC.	1,654	630	-	NA
	4th quarter	5,302	2,056	-	NA
		20,827	8,572	-	-

Oil		Unit: ML						
		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	492	4,158	373	NA	168	589	NA
	FEB.	419	3,539	203	NA	116	415	NA
	MAR.	460	4,259	192	NA	200	426	NA
	1st quarter	1,371	11,956	768	NA	484	1,430	NA
	APR.	443	3,843	230	NA	330	420	NA
	MAY.	447	4,526	207	NA	294	459	NA
	JUN.	543	4,066	363	NA	279	446	NA
	2nd quarter	1,433	12,435	800	NA	903	1,325	NA
	JUL.	634	4,358	314	NA	232	700	NA
	AUG.	665	4,245	481	NA	29	1,088	NA
	SEP.	636	3,926	339	NA	153	721	NA
	3rd quarter	1,935	12,529	1,134	NA	414	2,509	NA
	OCT.	606	3,940	392	NA	62	597	NA
	NOV.	619	2,979	403	NA	185	582	NA
	DEC.	630	4,193	310	NA	117	650	NA
	4th quarter	1,855	11,112	1,105	NA	364	1,829	NA
		6,594	48,032	3,807	-	2,165	7,093	-

Original Table (Quarterly) of Thailand in 2005 (Continued)

Natural Gas (or LNG)

Unit: Mft³

		Production	Imports	Exports	Stock Changes
2005	JAN.	68,006	28,090	-	-
	FEB.	63,795	26,485	-	-
	MAR.	72,028	28,675	-	-
	1st quarter	203,829	83,250	-	-
	APR.	62,087	27,750	-	-
	MAY.	71,726	28,675	-	-
	JUN.	71,893	27,750	-	-
	2nd quarter	205,706	84,175	-	-
	JUL.	73,623	28,281	-	-
	AUG.	74,243	28,675	-	-
	SEP.	70,964	27,750	-	-
	3rd quarter	218,830	84,706	-	-
	OCT.	69,315	28,675	-	-
	NOV.	69,803	27,750	-	-
	DEC.	69,417	26,632	-	-
	4th quarter	208,535	83,057	-	-
	836,900	335,188	-	-	

Electricity

Unit: GWh

		Gross Generation					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	10,000	9,418	582	-	0	234	37
	FEB.	10,172	9,531	641	-	0	194	34
	MAR.	11,573	10,931	642	-	0	304	43
	1st quarter	31,746	29,880	1,865	-	1	732	114
	APR.	10,994	10,431	563	-	0	311	43
	MAY.	12,075	11,499	576	-	0	283	70
	JUN.	11,234	10,800	434	-	0	409	57
	2nd quarter	34,304	32,730	1,573	-	1	1,003	170
	JUL.	10,992	10,646	346	-	0	435	46
	AUG.	10,989	10,705	284	-	0	490	45
	SEP.	10,766	10,468	298	-	0	494	48
	3rd quarter	32,748	31,819	928	-	1	1,419	139
	OCT.	11,181	10,784	397	-	0	362	48
	NOV.	10,594	10,130	464	-	0	499	49
	DEC.	9,942	9,395	547	-	0	401	53
	4th quarter	31,718	30,309	1,408	-	1	1,262	150
	130,514	124,738	5,774	-	2	4,416	573	

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.20 United States of America

Energy Balance Table of United States of America in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	546,503	-	339,092	-	-	-	-	-	-
2 Import	16,187	4,092	593,892	99,292	38,416	6,123	4,990	94	11,851
3 Export	-26,825	-785	-3,823	-48,287	-7,215	-	-1,992	-180	-5,688
4 International Marine Bunkers	-	-	-	-24,390	-	-	-	-	-7,661
5 Stock Changes	5,500	522	-7,262	-1,044	-1,224	85	-297	85	1,302
6 Total Primary Energy Supply	541,365	3,829	921,899	25,570	29,977	6,208	2,701	-1	-197
7 Transfers	-	-	-55,622	57,548	4,638	-	-	-	-
8 Total Transformation Sector	-511,264	6,212	-856,070	833,743	377,338	12,054	78,249	3,310	197,523
8.1 Main Activity Producer	-415,924	-73,076	-	-28,092	-	-	-	-	-2,999
8.2 Autoproducers	-5,240	-1,095	-	-5,293	-	-	-	-	-416
8.3 Gas Processing	-1,684	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-856,070	867,129	377,338	12,054	78,249	3,310	200,938
8.5 Coal Transformation	-88,416	80,383	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-270	-2,253	-	-49,274	-19	-	-	-	-184
10. Discrepancy	-3,446	91	-10,206	-1,195	-746	1	-1	0	-168
11 Total Final Energy Consumption	26,385	7,879	-	866,393	411,188	18,263	80,949	3,308	196,974
12 Industry Sector	23,400	7,879	-	34,545	5,759	-	-	650	19,367
13 Transport Sector	-	-	-	617,945	400,979	-	80,949	-	135,435
14 Other Sector	2,973	-	-	65,033	4,450	-	-	2,658	42,172
14.1 Residential & Commercial	2,410	-	-	48,604	1,176	-	-	2,609	30,526
14.2 Agriculture	562	-	-	16,429	3,274	-	-	49	11,646
14.3 Other	1	-	-	-	-	-	-	-	-
15 Non-energy	12	-	-	148,869	-	18,263	-	-	-

Energy Balance Table of United States of America in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	526,123	-	350,773	-	-	-	-	-	-
2 Import	14,914	1,642	560,116	85,209	35,218	3,960	4,524	311	12,659
3 Export	-25,082	-430	-3,466	-47,089	-7,233	-	-1,012	-355	-5,556
4 International Marine Bunkers	-	-	-	-19,222	-	-	-	-	-6,141
5 Stock Changes	13,975	28	-4,964	106	264	20	234	-20	-681
6 Total Primary Energy Supply	529,930	1,239	902,459	19,005	28,249	3,981	3,747	-64	282
7 Transfers	-	-	-94,612	49,645	806	-	-	-	-
8 Total Transformation Sector	-510,752	7,422	-841,323	818,256	375,468	10,833	74,677	3,002	190,196
8.1 Main Activity Producer	-421,284	-66,197	-	-27,769	-	-	-	-	-4,076
8.2 Autoproducers	-5,358	-1,272	-	-4,425	-	-	-	-	-450
8.3 Gas Processing	-1,911	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-841,323	850,450	375,468	10,833	74,677	3,002	194,722
8.5 Coal Transformation	-82,200	74,892	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-146	-2,210	-	-50,183	-60	-5	-	-	-221
10. Discrepancy	6,220	35	33,476	499	-0	-1	-0	1	297
11 Total Final Energy Consumption	25,252	6,486	-	837,221	404,463	14,807	78,423	2,940	190,553
12 Industry Sector	22,923	6,486	-	28,811	5,241	-	-	586	15,544
13 Transport Sector	-	-	-	609,412	395,410	-	78,423	-	135,095
14 Other Sector	2,329	-	-	61,852	3,812	-	-	2,353	39,914
14.1 Residential & Commercial	1,969	-	-	48,784	1,325	-	-	2,313	30,925
14.2 Agriculture	361	-	-	13,068	2,488	-	-	41	8,989
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	137,145	-	14,807	-	-	-

Energy Balance Table of United States of America in 2004 (Continued)

												unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	438,497	25,619	211,956	16,963	63,651	-	-	1,642,282
25,059	715	-	9	12,035	99,096	-	-	-	-	2,942	-	815,501
-11,474	-	-	-	-21,739	-19,556	-	-	-	-	-1,969	-	-101,246
-16,729	-	-	-	-	-	-	-	-	-	-	-	-24,390
-612	-315	-	-149	81	-3,109	-	-	-	-	-	-	-5,393
-3,756	400	-	-140	-9,622	514,928	25,619	211,956	16,963	63,651	973	-	2,326,754
-	33,121	-	16,839	2,949	-	-	-	-	-	-	-	1,926
16,434	21,204	37,260	554	89,819	-147,232	-25,619	-211,956	-14,744	-23,828	359,005	5,639	-586,113
-20,152	-	-	-	-4,940	-128,169	-25,327	-211,956	-14,744	-12,576	344,558	5,639	-559,667
-773	-	-3,712	-	-392	-19,063	-291	-	-	-10,993	14,448	-	-27,528
-	-	-	-	-	-	-	-	-	-	-	-	-1,684
37,359	21,204	40,972	554	95,151	-	-	-	-	-	-	-	11,058
-	-	-	-	-	-	-	-	-	-	-	-	-8,034
-	-	-	-	-	-	-	-	-	-259	-	-	-259
-369	-560	-35,670	-9	-12,463	-41,294	-	-	-	-	-46,933	-2,554	-142,577
85	14	1	1	-383	8,640	-	-	-0	-38	0	0	-6,154
12,396	54,179	1,592	17,245	70,300	335,043	-	-	2,220	39,785	313,046	3,086	1,593,835
8,201	568	-	-	-	120,416	-	-	121	30,381	81,003	2,453	300,199
156	427	-	-	-	13,798	-	-	-	-	608	-	632,351
4,039	11,714	-	-	-	185,885	-	-	2,099	9,403	231,435	633	497,460
4,039	10,254	-	-	-	185,885	-	-	2,099	9,371	216,946	633	465,948
-	1,460	-	-	-	-	-	-	-	33	-	-	17,024
-	-	-	-	-	-	-	-	-	-	14,488	-	14,489
-	41,470	1,592	17,245	70,300	14,944	-	-	-	-	-	-	163,825

Energy Balance Table of United States of America in 2003 (Continued)

												unit: ktoe
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total
-	-	-	-	-	448,177	26,292	205,305	13,841	62,127	-	-	1,632,640
18,329	664	-	10	9,532	91,651	-	-	-	-	2,614	-	756,145
-10,936	-	-	-	-21,996	-15,553	-	-	-	-	-2,062	-	-93,681
-13,081	-	-	-	-	-	-	-	-	-	-	-	-19,222
-974	327	-	363	573	-4,149	-	-	-	-	-	-	4,996
-6,662	991	-	373	-11,891	520,127	26,292	205,305	13,841	62,127	552	-	2,280,878
-	31,056	-	15,334	2,449	-	-	-	-	-	-	-	-44,968
17,107	21,737	37,787	509	86,941	-135,763	-26,292	-205,305	-13,811	-23,696	351,006	8,761	-571,498
-19,800	-	-	-	-3,893	-119,281	-25,919	-205,305	-13,811	-12,776	336,594	8,761	-546,988
-743	-	-2,841	-	-391	-16,482	-373	-	-	-10,710	14,412	-	-24,209
-	-	-	-	-	-	-	-	-	-	-	-	-1,911
37,650	21,737	40,627	509	91,226	-	-	-	-	-	-	-	9,128
-	-	-	-	-	-	-	-	-	-	-	-	-7,309
-	-	-	-	-	-	-	-	-	-210	-	-	-210
-548	-738	-36,269	-5	-12,337	-42,730	-	-	-	-	-43,619	-3,967	-142,855
-10	366	0	-1	-153	697	-0	-	0	-38	89	-	40,977
9,887	53,412	1,518	16,210	65,008	342,331	-	-	31	38,393	308,028	4,793	1,562,534
6,543	897	-	-	-	120,515	-	-	-	28,310	80,480	3,810	291,336
45	438	-	-	-	14,259	-	-	-	-	586	-	624,257
3,299	12,474	-	-	-	192,600	-	-	31	10,082	226,962	983	494,840
3,299	10,924	-	-	-	192,600	-	-	31	9,932	212,488	983	466,787
-	1,550	-	-	-	-	-	-	-	151	-	-	13,579
-	-	-	-	-	-	-	-	-	-	14,473	-	14,473
-	39,602	1,518	16,210	65,008	14,956	-	-	-	-	-	-	152,101

Major Energy Indicators of United States of America

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Total									
Primary Energy Supply	1,748,648	1,695,539	1,703,546	1,769,109	1,849,109	1,874,994	1,914,251	1,943,505	1,983,328
Indigenous Production	1,481,448	1,488,872	1,475,906	1,497,002	1,529,371	1,522,808	1,637,082	1,640,492	1,646,585
Import	376,915	281,249	337,625	367,850	412,762	447,910	452,641	440,693	471,256
Export	-88,326	-100,219	-96,074	-91,150	-104,438	-111,569	-109,190	-117,010	-113,108
Final Energy Consumption	1,434,285	1,344,865	1,349,051	1,397,783	1,461,536	1,476,794	1,306,897	1,308,281	1,315,664
Industry	594,201	510,870	498,607	523,288	546,521	549,767	396,669	396,825	391,518
Transport	470,315	479,219	497,012	512,118	532,446	538,492	506,729	497,226	508,196
Residential & Commercial	356,887	352,692	352,094	360,844	381,080	387,151	369,680	377,993	380,480
Agriculture	-	-	-	-	-	-	14,587	14,555	15,880
Coal, Coal Products									
Primary Energy Supply	371,742	420,402	412,486	430,511	451,331	457,107	458,304	453,070	458,748
Indigenous Production	445,217	462,644	467,071	482,191	496,446	511,002	539,147	518,408	518,116
Import	1,105	1,512	1,519	1,593	2,873	3,079	2,075	2,683	3,315
Export	-59,177	-59,036	-54,425	-50,446	-60,476	-63,783	-66,909	-68,985	-64,819
Transformation Sector	-305,433	-357,410	-352,870	-370,837	-389,224	-391,911	-404,873	-403,252	-428,501
Power Generation	-290,071	-348,402	-344,985	-362,743	-379,535	-382,572	-391,317	-390,964	-415,840
Final Energy Consumption	113,084	87,668	82,477	84,282	89,539	87,390	54,748	53,721	32,626
Industry	100,038	83,451	78,265	80,408	85,515	83,898	45,201	44,292	29,642
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	3,482	4,217	4,212	3,874	4,023	3,492	3,855	4,308	2,984
Agriculture	-	-	-	-	-	-	-	-	-
Crude Oil									
Primary Energy Supply	741,462	660,377	696,112	703,367	724,268	727,351	783,558	773,878	786,585
Indigenous Production	490,831	508,322	491,368	476,162	467,758	437,509	432,557	431,751	425,888
Import	268,423	165,089	216,427	241,433	264,452	301,867	351,041	340,878	363,377
Export	-14,570	-10,415	-7,902	-7,711	-7,961	-7,424	-2,100	-1,608	-1,955
Transformation Sector	-701,883	-654,690	-690,815	-696,757	-718,765	-725,380	-755,276	-744,275	-757,125
Petroleum Refineries	-701,883	-654,690	-690,815	-696,757	-718,765	-725,380	-755,276	-744,275	-757,125
Petroleum Products									
Primary Energy Supply	66,318	66,982	61,608	70,892	80,296	78,717	-13,308	-19,319	-16,341
Import	82,411	89,121	99,212	97,849	112,698	109,262	62,420	53,699	52,352
Export	-13,107	-29,075	-31,933	-31,249	-33,693	-36,592	-36,440	-42,686	-40,578
Transformation Sector	652,021	639,590	668,471	677,406	690,866	692,891	727,543	721,144	735,296
Power Generation	-62,925	-25,939	-34,532	-29,839	-37,133	-39,972	-27,257	-27,059	-21,844
Petroleum Refineries	714,946	665,529	703,003	707,244	728,000	732,863	755,156	748,498	757,418
Final Energy Consumption	759,089	715,868	737,327	758,716	783,753	780,782	697,838	683,707	701,797
Industry	228,529	186,609	189,767	195,440	202,058	195,286	144,082	140,410	144,706
Transport	455,308	467,112	485,358	499,655	517,776	523,433	490,960	482,806	494,097
Residential & Commercial	72,669	60,386	61,173	62,087	62,431	60,679	48,209	45,936	47,114
Agriculture	-	-	-	-	-	-	14,587	14,555	15,880
Natural Gas									
Primary Energy Supply	473,432	411,471	387,933	410,349	424,453	441,357	439,477	459,695	468,829
Indigenous Production	451,504	385,115	375,145	388,640	399,136	404,776	419,327	416,069	419,513
Import	22,826	21,583	16,969	22,488	29,402	31,458	35,170	40,783	49,013
Export	-1,120	-1,267	-1,401	-1,239	-1,700	-2,470	-1,976	-2,996	-4,994
Transformation Sector	-86,421	-71,663	-61,028	-66,567	-61,449	-65,106	-89,762	-101,445	-108,678
Power Generation	-86,421	-71,663	-61,028	-66,567	-61,449	-65,106	-89,762	-101,445	-108,678
Final Energy Consumption	376,869	333,225	318,143	335,944	359,260	374,456	303,076	300,476	303,881
Industry	190,395	160,580	151,732	166,087	174,549	184,406	123,807	116,074	114,917
Transport	14,739	11,780	11,320	12,140	14,327	14,715	15,414	14,069	13,755
Residential & Commercial	171,000	160,543	154,783	157,717	170,384	175,335	163,855	170,332	175,210
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	196,478	212,238	213,740	221,028	232,382	239,261	276,791	281,715	283,030
Thermal	107,327	88,101	80,862	80,942	75,912	78,551	92,561	85,895	88,444
Hydro	23,719	24,160	24,993	21,457	19,158	22,777	24,851	26,587	23,640
Nuclear	65,433	99,978	107,885	118,629	137,312	137,933	159,380	169,233	170,946
Final Energy Consumption	180,358	200,093	203,943	211,554	221,940	227,851	226,487	238,472	238,689
Industry	70,353	72,219	71,683	74,065	77,355	79,862	74,523	82,346	84,693
Transport	268	327	334	323	343	343	355	351	344
Residential & Commercial	109,736	127,546	131,926	137,166	144,242	147,645	151,610	155,775	153,652
Agriculture	-	-	-	-	-	-	-	-	-

Major Energy Indicators of United States of America (Continued)

ktoe

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
2,020,594	2,061,467	2,087,737	2,140,635	2,163,413	2,181,631	2,238,819	2,301,816	2,256,037	2,290,624	2,280,878	2,326,754
1,598,192	1,661,480	1,661,452	1,686,872	1,684,448	1,697,472	1,677,312	1,673,985	1,695,881	1,667,682	1,632,640	1,642,282
515,471	541,496	536,067	574,440	613,603	643,866	660,667	701,890	731,911	714,900	756,145	815,501
-95,439	-90,437	-100,099	-105,436	-105,529	-100,189	-86,722	-93,525	-85,996	-84,899	-93,681	-101,246
1,337,346	1,369,174	1,390,523	1,435,734	1,454,606	1,453,110	1,505,236	1,560,994	1,532,841	1,543,823	1,562,534	1,593,835
394,446	407,040	407,063	417,732	433,262	431,019	455,101	478,331	456,464	461,980	443,236	463,831
516,570	535,194	546,487	560,151	570,258	583,356	600,523	610,968	609,618	617,420	624,459	632,544
411,226	411,552	421,585	442,076	435,131	424,065	434,894	455,917	450,424	448,910	466,787	465,948
15,104	15,389	15,387	15,775	15,954	14,670	13,473	14,281	15,692	15,513	13,579	17,024
474,625	480,577	478,049	500,982	515,858	517,967	521,303	543,575	534,766	542,160	531,169	545,194
487,931	535,619	531,532	547,132	561,928	574,108	560,506	544,832	574,138	555,061	526,123	546,503
5,169	5,345	5,222	4,688	6,112	7,289	7,208	9,647	13,586	12,359	16,556	20,279
-46,649	-44,518	-54,746	-56,102	-52,230	-49,756	-36,045	-36,633	-28,604	-23,846	-25,512	-27,609
-449,463	-450,811	-453,076	-476,333	-487,639	-494,845	-493,988	-515,246	-500,118	-498,989	-503,331	-505,052
-436,751	-436,845	-438,069	-461,944	-473,037	-481,454	-480,784	-501,909	-488,005	-489,261	-494,111	-495,335
30,652	30,764	29,087	28,719	30,639	30,186	31,459	31,343	31,850	30,556	31,738	34,264
27,663	27,880	26,287	25,464	26,840	27,496	28,742	29,076	29,415	28,070	29,409	31,291
-	-	-	-	-	-	-	-	-	-	-	-
2,990	2,884	2,800	3,254	3,799	2,691	2,717	2,267	2,435	2,229	1,969	2,410
-	-	-	-	-	-	-	-	-	256	361	562
810,130	816,845	819,689	840,701	867,598	873,166	867,292	887,075	896,220	884,137	902,459	921,899
411,070	401,641	397,868	396,524	394,603	383,210	366,488	365,614	362,360	360,015	350,773	339,092
403,589	419,324	419,079	443,733	481,280	502,073	504,508	524,271	541,007	529,178	560,116	593,892
-1,748	-2,062	-2,274	-4,987	-7,400	-8,528	-8,772	-6,151	-3,335	-3,593	-3,466	-3,823
-769,407	-773,933	-777,112	-794,404	-812,826	-826,831	-823,142	-836,649	-834,400	-828,542	-841,323	-856,070
-769,407	-773,933	-777,112	-794,404	-812,826	-826,831	-823,142	-836,649	-834,400	-828,542	-841,323	-856,070
-23,516	-14,444	-18,148	-11,654	-16,750	-8,255	12,899	3,923	7,561	16,412	19,005	25,570
48,983	51,516	41,955	54,035	53,029	57,958	62,151	76,012	81,689	77,173	85,209	99,292
-42,896	-39,496	-38,758	-40,204	-41,526	-37,164	-36,938	-43,905	-44,088	-44,490	-47,089	-48,287
747,161	753,363	765,116	783,359	791,139	793,670	795,358	815,884	812,256	811,969	818,256	833,743
-24,163	-22,264	-15,150	-16,945	-26,696	-37,380	-34,815	-29,530	-29,110	-25,152	-32,194	-33,385
771,429	775,866	780,266	800,305	817,835	831,050	830,173	845,414	841,367	837,121	850,450	867,129
710,250	734,102	739,101	763,412	769,971	775,481	799,695	814,435	823,100	829,707	837,221	866,393
145,002	153,121	148,115	156,326	155,698	150,687	156,651	155,653	163,871	167,806	165,755	183,221
501,660	518,832	529,765	543,173	552,311	568,018	584,988	595,406	594,312	601,172	609,614	618,138
48,485	46,760	45,835	48,138	46,007	42,106	44,583	49,095	49,226	45,669	48,784	48,604
15,104	15,389	15,387	15,775	15,954	14,670	13,473	14,281	15,692	15,061	13,068	16,429
481,989	491,838	508,649	504,407	508,124	499,956	525,460	548,820	515,591	535,815	520,127	514,928
424,269	441,408	435,787	440,285	442,263	443,661	440,947	448,032	459,379	442,468	448,177	438,497
54,368	60,819	65,790	68,088	69,482	73,148	83,084	87,781	92,318	93,062	91,651	99,096
-3,230	-3,709	-3,534	-3,517	-3,601	-3,646	-3,744	-5,574	-8,553	-11,804	-15,553	-19,556
-109,655	-119,670	-128,613	-123,484	-132,377	-141,734	-148,232	-136,916	-139,690	-147,815	-135,763	-147,232
-109,655	-119,670	-128,613	-123,484	-132,377	-141,734	-148,232	-136,916	-139,690	-147,815	-135,763	-147,232
318,316	319,798	326,451	340,853	349,099	330,696	329,859	359,988	335,146	344,327	342,331	335,043
121,456	123,251	126,300	128,560	140,620	139,878	133,569	155,349	138,821	141,723	135,471	135,360
14,579	16,020	16,391	16,640	17,590	14,979	15,164	15,182	14,911	15,883	14,259	13,798
182,282	180,526	183,760	195,653	190,889	175,840	181,126	189,458	181,414	186,720	192,600	185,885
-	-	-	-	-	-	-	-	-	-	-	-
293,363	298,711	308,062	316,224	318,005	329,422	335,173	348,514	332,398	348,374	351,006	359,005
98,695	97,328	92,988	97,443	113,504	115,622	108,085	116,550	107,379	113,626	119,409	121,430
26,063	24,456	29,056	32,396	30,847	27,699	25,954	24,079	18,467	25,091	26,292	25,619
168,605	176,927	186,018	186,384	173,654	186,101	201,134	207,885	206,553	209,658	205,305	211,956
247,080	254,238	261,610	269,006	272,981	282,194	289,797	300,939	297,203	297,780	308,028	313,046
85,031	88,552	89,559	91,205	91,769	93,013	95,964	98,222	90,325	93,092	80,480	81,003
332	341	331	339	357	359	371	380	395	365	586	608
161,718	165,345	171,720	177,462	180,854	188,822	193,462	202,337	206,483	204,323	212,488	216,946
-	-	-	-	-	-	-	-	-	-	-	-

Major Economic Indicators of United States of America

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	227.22	237.92	240.13	242.29	244.50	246.82	249.62	252.98
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	5,128.00	6,011.00	6,217.20	6,425.10	6,690.00	6,926.30	7,055.00	7,041.30
Real Term (Billions of 2000 Price and 2000 PPP)	5,037.53	5,904.95	6,107.52	6,311.75	6,571.97	6,804.11	6,930.54	6,917.08
Nominal (Billions of Current USD)	2,768.90	4,187.50	4,427.70	4,702.10	5,063.90	5,441.70	5,757.20	5,946.90
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	22,568	25,264	25,891	26,518	27,362	28,062	28,263	27,833
Real Term (2000 Price and 2000 PPP)	22,170	24,819	25,434	26,050	26,879	27,567	27,764	27,342
Nominal (Current USD)	12,186	17,600	18,439	19,407	20,711	22,047	23,064	23,507
Nominal GDP & its Components (Billions of Current USD) *1								
Gross Domestic Product	2,768.90	4,187.50	4,427.70	4,702.10	5,063.90	5,441.70	5,757.20	5,946.90
Household Final Consumption Expenditure, etc.	1,757.10	2,720.30	2,899.70	3,100.20	3,353.60	3,598.50	3,839.90	3,986.10
General Government Final Consumption Expenditure	463.80	733.10	789.30	835.00	873.20	915.00	978.80	1,022.20
Gross Fixed Capital Formation	565.20	824.10	858.20	884.50	935.80	989.10	1,003.40	966.60
Stock Change	-4.30	25.30	13.20	27.40	11.70	27.20	13.10	-0.50
Exports of Goods and Services	280.80	302.00	320.50	363.90	444.10	503.30	552.40	596.80
Imports of Goods and Services	293.80	417.20	453.30	509.10	554.50	591.50	630.30	624.30
Real GDP & its Components (Billions of 2000 USD) *1								
Gross Domestic Product	5,128.00	6,011.00	6,217.20	6,425.10	6,690.00	6,926.30	7,055.00	7,041.30
Household Final Consumption Expenditure, etc.	3,374.10	4,064.00	4,228.90	4,369.80	4,546.90	4,675.00	4,770.30	4,778.40
General Government Final Consumption Expenditure	957.10	1,128.10	1,191.50	1,224.30	1,244.70	1,261.80	1,293.80	1,302.50
Gross Fixed Capital Formation	785.60	1,007.00	1,010.70	1,038.50	1,055.30	1,102.20	1,081.40	1,012.30
Stock Change	-6.50	25.80	12.30	29.40	14.70	28.20	14.40	-0.80
Exports of Goods and Services	323.50	328.30	353.60	391.80	454.60	506.80	552.50	589.10
Imports of Goods and Services	310.90	469.80	510.00	540.20	561.40	586.00	607.10	603.70
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	1.0	1.2	1.1	1.1	1.0	1.0	1.0	1.0
Industry	25.4	23.9	23.1	23.7	24.4	23.5	22.9	22.0
Services, etc.	71.7	70.5	70.2	69.9	70.2	70.0	70.2	70.7
Industrial Production Index (2000=100) *2	54.2	59.1	59.7	62.7	65.8	66.4	66.9	65.9
External Trade (Billions of Current USD) *1								
Exports, f.o.b.	225.566	218.815	227.158	254.122	322.427	363.812	393.592	421.730
Imports, c.i.f.	256.984	352.463	382.295	424.442	459.542	492.922	516.987	508.363
Balance of Payments (Billions of Current USD) *2								
Trade Balance	-25.510	-122.180	-144.641	-159.239	-126.609	-117.040	-110.270	-75.700
Current Account	2.150	-124.470	-147.172	-160.653	-121.253	-99.500	-78.960	2.841
Overall Balance	6.990	3.835	-0.310	-9.147	3.915	25.288	2.233	-5.759
Foreign Exchange Rate (USD/USD) *1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Purchasing Power Parity (USD/International Dollar) *1	0.9983	1.0033	0.9943	1.0001	1.0095	0.9984	0.9955	0.9938
Price Indices								
GDP Deflator (2000=100) *3	54.0	69.7	71.2	73.2	75.7	78.6	81.6	84.5
Wholesale Price Index (2000=100) *2	67.7	77.7	75.5	77.5	80.6	84.6	87.6	87.8
Consumer Price Index (2000=100) *2	47.9	62.5	63.6	66.0	68.7	72.0	75.9	79.1
Growth Rate (%) *3								
Real GDP	-0.24	4.10	3.43	3.34	4.12	3.53	1.86	-0.19
Population	0.96	0.89	0.93	0.90	0.91	0.95	1.14	1.35
Price								
Wholesale Price Index	14.1	-0.5	-2.9	2.6	4.0	5.0	3.6	0.2
Consumer Price Index	13.5	3.6	1.9	3.7	4.0	4.8	5.4	4.2

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. shows "not available"

: USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of United States of America (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
256.51	259.92	263.13	266.28	269.39	272.66	275.85	279.04	282.22	285.32	288.37	290.81	293.66
7,276.20	7,472.00	7,775.50	7,972.80	8,271.40	8,647.60	9,012.50	9,417.10	9,764.80	9,838.90	10,023.50	10,330.00	10,763.86
7,147.83	7,340.18	7,638.32	7,832.14	8,125.48	8,495.04	8,853.50	9,250.96	9,592.53	9,665.32	9,846.67	10,147.76	10,573.96
6,286.80	6,604.30	7,017.50	7,342.30	7,762.30	8,250.90	8,694.60	9,216.20	9,764.80	10,075.90	10,434.80	10,951.30	11,711.83
28,366	28,747	29,550	29,942	30,704	31,716	32,671	33,748	34,599	34,484	34,759	35,521	36,655
27,865	28,240	29,029	29,413	30,162	31,157	32,095	33,153	33,989	33,876	34,146	34,895	36,008
24,509	25,409	26,670	27,574	28,814	30,261	31,519	33,028	34,599	35,315	36,186	37,658	39,883
6,286.80	6,604.30	7,017.50	7,342.30	7,762.30	8,250.90	8,694.60	9,216.20	9,764.80	10,075.90	10,434.80	10,951.30	11,711.83
4,235.30	4,477.90	4,743.30	4,975.80	5,256.80	5,547.40	5,879.50	6,282.50	6,739.40	7,055.00	7,376.10	7,760.90	N.A.
1,052.40	1,068.40	1,096.50	1,125.30	1,161.00	1,199.50	1,239.40	1,319.90	1,404.10	1,489.10	1,600.60	1,712.50	N.A.
1,016.50	1,102.10	1,208.00	1,301.60	1,410.70	1,533.70	1,664.70	1,807.10	1,944.20	1,929.60	1,870.50	1,976.20	N.A.
15.90	20.80	63.40	30.90	30.00	71.90	70.90	67.20	56.50	-30.70	12.50	-0.10	N.A.
635.30	655.80	720.90	812.20	868.60	955.30	955.90	991.20	1,096.30	1,032.80	1,005.00	1,046.20	N.A.
668.60	720.90	814.50	903.60	964.80	1,056.90	1,115.90	1,251.70	1,475.80	1,399.80	1,429.90	1,544.30	N.A.
7,276.20	7,472.00	7,775.50	7,972.80	8,271.40	8,647.60	9,012.50	9,417.10	9,764.80	9,838.90	10,023.50	10,330.00	10,763.86
4,934.80	5,099.80	5,290.70	5,433.50	5,619.40	5,831.80	6,125.80	6,438.60	6,739.40	6,910.30	7,123.40	7,355.50	N.A.
1,303.90	1,290.50	1,290.00	1,288.90	1,294.90	1,311.30	1,333.50	1,378.00	1,404.10	1,449.10	1,512.10	1,560.50	N.A.
1,084.40	1,163.60	1,297.70	1,341.50	1,450.20	1,618.30	1,764.10	1,901.00	2,000.70	1,877.30	1,855.80	1,924.30	N.A.
16.30	20.90	63.40	29.80	27.80	71.10	72.70	69.20	56.50	-30.60	13.40	0.40	N.A.
629.70	650.00	706.50	778.20	843.40	943.70	966.50	1,008.20	1,096.30	1,036.70	1,012.30	1,031.80	N.A.
645.60	702.10	785.90	849.10	923.00	1,048.30	1,170.30	1,304.40	1,475.80	1,435.80	1,484.40	1,550.30	N.A.
1.1	1.0	1.0	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.0	1.1	N.A.
21.5	21.6	22.1	22.7	22.5	22.4	22.4	22.4	22.5	21.4	21.2	21.2	N.A.
70.1	69.5	68.4	68.6	68.7	69.0	69.7	69.7	69.5	70.8	70.9	70.8	N.A.
67.8	70.0	73.8	77.5	80.8	86.7	91.7	95.9	100.0	96.4	96.2	96.1	100.1
448.163	464.773	512.627	584.743	625.073	689.182	682.138	695.797	781.918	729.100	693.103	724.771	818.775
553.923	603.438	689.215	770.852	822.025	899.020	944.353	1,059.440	1,259.300	1,179.180	1,200.230	1,303.050	1,525.516
-95.127	-130.551	-163.781	-172.330	-189.100	-196.164	-244.736	-343.716	-449.785	-424.085	-478.807	-544.044	-661.930
-50.070	-84.783	-121.642	-113.664	-124.857	-140.906	-214.037	-300.082	-415.996	-389.455	-475.208	-519.680	-668.074
-3.927	1.376	-5.350	9.747	-6.667	1.012	6.731	-8.727	0.295	4.927	3.693	-1.529	-2.804
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.9893	0.9846	0.9843	0.9920	0.9934	0.9964	1.0051	1.0085	1.0180	1.0156	1.0104	1.0060	1.0034
86.4	88.4	90.3	92.1	93.8	95.4	96.5	97.9	100.0	102.4	104.1	106.0	108.8
88.3	89.6	90.8	94.0	96.2	96.1	93.8	94.5	100.0	101.1	98.8	104.1	110.5
81.5	83.9	86.1	88.5	91.1	93.2	94.7	96.7	100.0	102.8	104.5	106.8	109.7
3.34	2.69	4.06	2.54	3.75	4.55	4.22	4.49	3.69	0.76	1.88	3.06	4.20
1.40	1.33	1.23	1.20	1.17	1.21	1.17	1.15	1.14	1.10	1.07	0.85	0.98
0.6	1.5	1.3	3.6	2.3	-0.1	-2.5	0.8	5.8	1.1	-2.3	5.3	6.2
3.0	3.0	2.6	2.8	2.9	2.3	1.6	2.2	3.4	2.8	1.6	2.3	2.7

Original Table (Quarterly) of United States of America in 2005

Coal		Unit: Thousand Short Tons			
		Production	Imports	Exports	Stock Changes
2005	JAN.	92,935	2,014	4,075	-9,909
	FEB.	89,166	2,315	3,008	-1,915
	MAR.	101,278	3,277	3,046	8,321
	1st quarter	283,379	7,607	10,129	-3,503
	APR.	93,243	2,376	4,294	9,088
	MAY.	90,117	2,402	5,010	5,121
	JUN.	95,329	2,454	5,499	-3,047
	2nd quarter	278,689	7,233	14,803	11,161
	JUL.	91,379	2,681	4,147	-10,319
	AUG.	97,325	2,387	4,219	-9,122
	SEP.	95,148	2,764	4,254	-1,315
	3rd quarter	283,851	7,832	12,620	-20,756
	OCT.	93,727	2,486	4,251	2,505
	NOV.	95,052	2,220	3,222	6,938
	DEC.	92,948	3,081	4,918	-6,365
	4th quarter	281,727	7,788	12,390	3,078
		1,127,646	30,460	49,942	-10,019

Oil		Crude Oil				Petroleum Products		
		Production	Imports	Exports	Stock Change	Imports	Exports	Stock Changes
2005	JAN.	167,214	305,161	1,239	6,422	87,343	27,178	-4,228
	FEB.	153,122	284,429	611	17,333	94,590	34,632	-2,740
	MAR.	170,427	314,461	1,111	21,266	86,043	39,443	-25,912
	1st quarter	490,763	904,051	2,961	45,021	267,976	101,252	-32,880
	APR.	164,640	309,423	2,922	15,554	91,856	38,540	11,795
	MAY.	170,328	315,141	2,351	4,093	103,190	41,075	36,236
	JUN.	162,832	322,583	640	-941	105,277	43,673	14,949
	2nd quarter	497,800	947,147	5,912	18,706	300,323	123,288	62,980
	JUL.	162,553	317,922	1,267	-7,115	107,507	37,978	12,359
	AUG.	163,471	320,578	1,113	-6,344	104,478	39,629	-13,724
	SEP.	126,410	272,347	727	-11,378	119,293	24,579	-6,867
	3rd quarter	452,434	910,847	3,106	-24,837	331,278	102,185	-8,232
	OCT.	131,693	290,777	530	6,120	145,220	25,948	2,951
	NOV.	142,084	307,961	2,087	579	113,105	27,373	11,148
	DEC.	154,216	309,620	493	312	109,054	33,524	-30,678
	4th quarter	427,993	908,358	3,110	7,011	367,379	86,845	-16,579
		1,868,990	3,670,403	15,089	45,901	1,266,956	413,570	5,289

Original Table (Quarterly) of United States of America in 2005 (Continued)

Natural Gas (or LNG)		Unit: 1,000m ³			
		Production	Imports	Exports	Stock Changes
2005	JAN.	1,584	403	91	713
	FEB.	1,446	356	89	429
	MAR.	1,591	381	96	284
	1st quarter	4,620	1,141	275	1,426
	APR.	1,531	329	53	-216
	MAY.	1,559	336	57	-384
	JUN.	1,522	323	53	-323
	2nd quarter	4,612	988	163	-922
	JUL.	1,539	351	58	-256
	AUG.	1,546	343	57	-214
	SEP.	1,377	345	54	-272
	3rd quarter	4,462	1,039	169	-742
	OCT.	1,432	358	53	-266
	NOV.	1,410	371	61	2
	DEC.	1,523	340	59	552
	4th quarter	4,365	1,069	173	289
		18,059	4,236	780	50

Electricity		Gross Generation					Imports	Exports
		Total	Thermal	Hydro	Nuclear	Others		
2005	JAN.	343,229	242,496	23,128	69,828	7,777	3,158	1,729
	FEB.	297,940	209,091	20,950	60,947	6,952	2,946	1,221
	MAR.	316,780	225,107	22,136	61,539	7,999	3,417	1,076
	1st quarter	957,948	676,693	66,214	192,314	22,728	9,521	4,026
	APR.	288,566	203,871	22,068	54,747	7,880	3,048	1,219
	MAY.	313,773	216,287	26,189	62,971	8,326	3,328	1,810
	JUN.	361,472	261,220	25,772	66,144	8,337	3,643	2,040
	2nd quarter	963,811	681,377	74,028	183,863	24,543	10,019	5,069
	JUL.	399,252	295,303	24,887	70,703	8,359	4,463	1,567
	AUG.	401,978	302,536	20,500	70,963	7,979	5,049	1,507
	SEP.	348,812	257,639	16,445	66,739	7,989	4,037	2,021
	3rd quarter	1,150,042	855,478	61,832	208,405	24,328	13,549	5,095
	OCT.	315,034	228,837	17,056	61,236	7,906	3,706	1,830
	NOV.	304,899	215,644	18,292	62,913	8,050	3,748	1,875
	DEC.	346,254	245,246	21,088	71,735	8,184	3,985	1,910
	4th quarter	966,187	689,727	56,436	195,883	24,140	11,439	5,615
		4,037,989	2,903,276	258,510	780,465	95,739	44,528	19,805

Note: ton=Metric ton.

bbl=Barrel.

kL=killoliter.

CF=Cubic feet.

CM=Cubic meter.

GWh=Gigawatt hour.

Gross Generation is the sum of the electrical energy production by all the generating sets (including pumped storage).

Consumption for Electricity exclude Own Use and Loss.

3.21 Viet Nam

Energy Balance Table of Vietnam in 2004

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	15,315	-	20,940	-	-	-	-	-	-
2 Import	-	-	-	11,687	2,735	-	439	370	5,562
3 Export	-6,516	-	-19,852	-1,550	-339	-	-156	-12	-990
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-454	-	-560	-	-	-	-	-	-
6 Total Primary Energy Supply	8,346	-	528	10,137	2,396	-	283	358	4,572
7 Transfers	-	-	-528	527	-	-	-	-	-
8 Total Transformation Sector	-1,678	-	-	-471	-	-	-	-	-87
8.1 Main Activity Producer	-1,678	-	-	-471	-	-	-	-	-87
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	-	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-	-	-	-	-	-	-
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-	-	-	-	-	-	-
10. Discrepancy	-1	-	0	0	1	-	0	-0	-1
11 Total Final Energy Consumption	6,667	-	-	10,194	2,396	-	284	357	4,485
12 Industry Sector	4,754	-	-	2,246	-	-	-	10	934
13 Transport Sector	-	-	-	5,797	2,307	-	284	-	2,900
14 Other Sector	1,914	-	-	1,925	89	-	-	347	651
14.1 Residential & Commercial	1,891	-	-	1,503	-	-	-	347	337
14.2 Agriculture	23	-	-	422	89	-	-	-	314
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	226	-	-	-	-	-

Energy Balance Table of Viet Nam in 2003

	1	2	3	4	4.1	4.2	4.3	4.4	4.5
	Coal	Coal Products	Crude Oil & NGL	Petroleum Products	Mogas	Naphtha	Jet Fuel	Kerosene	Diesel Oil
1 Indigenous Production	10,619	-	17,917	-	-	-	-	-	-
2 Import	-	-	-	10,456	2,283	-	321	429	4,724
3 Export	-4,058	-	-17,452	-562	-51	-	-59	-70	-250
4 International Marine Bunkers	-	-	-	-	-	-	-	-	-
5 Stock Changes	-	-	-323	-	-	-	-	-	-
6 Total Primary Energy Supply	6,562	-	143	9,894	2,232	-	263	359	4,474
7 Transfers	-	-	-	-	-	-	-	-	-
8 Total Transformation Sector	-2,225	-	-	-255	-	-	-	-	-64
8.1 Main Activity Producer	-2,225	-	-	-744	-	-	-	-	-64
8.2 Autoproducers	-	-	-	-	-	-	-	-	-
8.3 Gas Processing	-	-	-	489	-	-	-	-	-
8.4 Petroleum Refineries	-	-	-	-	-	-	-	-	-
8.5 Coal Transformation	-	-	-	-	-	-	-	-	-
8.6 Other Transformation	-	-	-	-	-	-	-	-	-
9. Loss & Own Use	-	-	-143	-	-	-	-	-	-
10. Discrepancy	0	-	0	-0	0	-	0	0	-0
11 Total Final Energy Consumption	4,337	-	-	9,639	2,232	-	263	359	4,409
12 Industry Sector	3,113	-	-	2,165	-	-	-	10	896
13 Transport Sector	-	-	-	5,561	2,148	-	263	-	2,880
14 Other Sector	1,224	-	-	1,730	84	-	-	349	633
14.1 Residential & Commercial	1,200	-	-	1,320	-	-	-	349	325
14.2 Agriculture	24	-	-	410	84	-	-	-	309
14.3 Other	-	-	-	-	-	-	-	-	-
15 Non-energy	-	-	-	183	-	-	-	-	-

Energy Balance Table of Vietnam in 2004 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	4,606	1,526	-	-	14,734	-	-	57,121		
2,099	424	-	-	58	-	-	-	-	-	-	-	11,687		
-40	-13	-	-	-	-	-	-	-	-	-	-	-27,918		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-1,014		
2,059	411	-	-	58	4,606	1,526	-	-	14,734	-	-	39,877		
-	359	-	-	168	-	-	-	-	-	-	-	-1		
-384	-	-	-	-	-4,585	-1,526	-	-	-	3,977	-	-4,283		
-384	-	-	-	-	-4,585	-1,526	-	-	-	3,977	-	-4,283		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-539	-	-539		
0	-0	-	-	-0	0	0	-	-	-0	0	-	-0		
1,676	770	-	-	226	21	-	-	-	14,734	3,437	-	35,053		
1,216	86	-	-	-	21	-	-	-	3,072	1,539	-	11,632		
306	-	-	-	-	-	-	-	-	-	33	-	5,829		
154	684	-	-	-	-	-	-	-	11,662	1,866	-	17,366		
135	684	-	-	-	-	-	-	-	11,662	1,818	-	16,874		
19	-	-	-	-	-	-	-	-	-	47	-	492		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	226	-	-	-	-	-	-	-	226		

Energy Balance Table of Viet Nam in 2003 (Continued)

													unit: ktoe	
4.6	4.7	4.8	4.9	4.10	5	6	7	8	9	10	11	12		
Fuel Oil	LPG	Refinery Gas	Ethane	Other Petroleum Products	Gas	Hydro	Nuclear	Geothermal Solar etc.	Others	Electricity	Heat	Total		
-	-	-	-	-	2,776	1,633	-	-	-	-	-	32,944		
2,355	321	-	-	23	-	-	-	-	-	-	-	10,456		
-132	-	-	-	-	-	-	-	-	-	-	-	-22,071		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-323		
2,223	321	-	-	23	2,776	1,633	-	-	-	-	-	21,007		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-680	329	-	-	161	-2,758	-1,633	-	-	-	3,520	-	-3,351		
-680	-	-	-	-	-2,136	-1,633	-	-	-	3,520	-	-3,218		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	329	-	-	161	-622	-	-	-	-	-	-	-133		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-524	-	-666		
0	-0	-	-	0	-0	-	-	-	-	0	-	-0		
1,543	650	-	-	183	18	-	-	-	-	2,996	-	16,989		
1,172	87	-	-	-	18	-	-	-	-	1,307	-	6,604		
270	-	-	-	-	-	-	-	-	-	10	-	5,571		
101	562	-	-	-	-	-	-	-	-	1,678	-	4,632		
84	562	-	-	-	-	-	-	-	-	1,631	-	4,151		
17	-	-	-	-	-	-	-	-	-	48	-	481		
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	183	-	-	-	-	-	-	-	183		

Major Energy Indicators of Viet Nam

	1990	1995	1996	1997	1998	1999	1990	1991	1992
Total									
Primary Energy Supply	-	-	-	-	-	-	5,414	5,423	5,968
Indigenous Production	-	-	-	-	-	-	5,811	7,492	9,038
Import	-	-	-	-	-	-	2,947	2,647	3,186
Export	-	-	-	-	-	-	-3,125	-4,669	-6,453
Final Energy Consumption	-	-	-	-	-	-	4,212	4,461	5,096
Industry	-	-	-	-	-	-	1,713	1,886	2,029
Transport	-	-	-	-	-	-	1,412	1,336	1,504
Residential & Commercial	-	-	-	-	-	-	815	971	1,006
Agriculture	-	-	-	-	-	-	244	240	262
Coal, Coal Products									
Primary Energy Supply	-	-	-	-	-	-	2,212	2,138	2,143
Indigenous Production	-	-	-	-	-	-	2,597	2,851	2,800
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-442	-657	-909
Transformation Sector	-	-	-	-	-	-	-888	-538	-374
Power Generation	-	-	-	-	-	-	-888	-538	-374
Final Energy Consumption	-	-	-	-	-	-	1,324	1,600	1,770
Industry	-	-	-	-	-	-	1,019	1,142	1,240
Transport	-	-	-	-	-	-	14	23	21
Residential & Commercial	-	-	-	-	-	-	226	366	428
Agriculture	-	-	-	-	-	-	64	69	81
Crude Oil									
Primary Energy Supply	-	-	-	-	-	-	-0	0	-0
Indigenous Production	-	-	-	-	-	-	2,750	4,072	5,599
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-2,664	-3,988	-5,544
Transformation Sector	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-	-	-	-	-	-	-	-
Petroleum Products									
Primary Energy Supply	-	-	-	-	-	-	2,737	2,717	3,186
Import	-	-	-	-	-	-	2,947	2,647	3,186
Export	-	-	-	-	-	-	-19	-24	-
Transformation Sector	-	-	-	-	-	-	-381	-431	-470
Power Generation	-	-	-	-	-	-	-381	-431	-470
Petroleum Refineries	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	2,356	2,286	2,716
Industry	-	-	-	-	-	-	449	470	499
Transport	-	-	-	-	-	-	1,393	1,308	1,477
Residential & Commercial	-	-	-	-	-	-	340	344	300
Agriculture	-	-	-	-	-	-	146	136	145
Natural Gas									
Primary Energy Supply	-	-	-	-	-	-	3	25	17
Indigenous Production	-	-	-	-	-	-	3	25	17
Import	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-
Transformation Sector	-	-	-	-	-	-	-3	-16	-3
Power Generation	-	-	-	-	-	-	-3	-16	-3
Final Energy Consumption	-	-	-	-	-	-	-	9	15
Industry	-	-	-	-	-	-	-	9	15
Transport	-	-	-	-	-	-	-	-	-
Residential & Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Electricity									
Power Generation	-	-	-	-	-	-	746	792	835
Thermal	-	-	-	-	-	-	285	249	213
Hydro	-	-	-	-	-	-	462	543	622
Nuclear	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	-	-	532	566	596
Industry	-	-	-	-	-	-	245	265	275
Transport	-	-	-	-	-	-	5	5	6
Residential & Commercial	-	-	-	-	-	-	249	261	278
Agriculture	-	-	-	-	-	-	34	35	37

Major Energy Indicators of Viet Nam (Continued)

											ktoe
1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
6,951	7,732	9,123	10,313	11,682	13,042	13,641	14,841	16,611	19,419	21,007	39,877
10,423	11,237	13,562	15,777	18,157	21,151	23,359	25,777	27,434	30,213	32,944	57,121
4,172	4,624	5,101	6,011	6,075	6,984	7,547	8,885	9,239	10,146	10,456	11,687
-7,066	-8,232	-9,816	-11,495	-12,204	-14,770	-17,585	-18,650	-20,230	-20,939	-22,071	-27,918
6,148	6,701	7,932	8,849	9,663	10,383	11,087	11,927	13,428	15,383	16,989	35,053
2,189	2,281	3,099	3,365	3,956	4,179	4,302	4,653	5,259	6,001	6,604	11,632
2,333	2,576	2,525	2,767	2,992	3,183	3,464	3,763	4,075	4,969	5,571	5,829
1,207	1,417	1,688	2,073	2,145	2,462	2,626	2,973	3,448	3,778	4,151	16,874
362	385	366	398	422	429	425	400	401	455	481	492
2,073	2,291	3,314	3,579	4,544	4,577	4,227	4,372	5,024	5,517	6,562	8,346
3,304	3,192	4,676	5,501	6,377	6,536	5,392	6,501	7,259	8,904	10,619	15,315
-	-	-	-	-	-	-	-	-	-	-	-
-802	-1,158	-1,580	-2,042	-1,934	-1,771	-1,826	-1,821	-2,402	-3,387	-4,058	-6,516
-290	-468	-710	-886	-1,217	-1,275	-1,062	-1,150	-1,281	-1,500	-2,225	-1,678
-290	-468	-710	-886	-1,217	-1,275	-1,062	-1,150	-1,281	-1,500	-2,225	-1,678
1,782	1,823	2,603	2,692	3,327	3,302	3,166	3,223	3,743	4,017	4,337	6,667
1,248	1,259	1,938	1,948	2,472	2,453	2,314	2,339	2,807	2,944	3,113	4,754
14	11	2	-	-	-	-	-	-	-	-	-
437	465	589	678	801	813	828	860	911	1,047	1,200	1,891
84	87	76	67	54	36	24	24	25	25	24	23
-	-0	-	-0	0	0	-	20	13	-	143	528
6,413	7,228	7,790	8,961	10,272	12,725	15,491	16,584	17,046	16,899	17,917	20,940
-	-	-	-	-	-	-	-	-	-	-	-
-6,264	-7,074	-7,790	-8,862	-9,811	-12,364	-15,150	-15,701	-17,033	-16,899	-17,452	-19,852
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
4,172	4,624	4,713	5,420	5,630	6,576	6,938	7,757	8,444	9,493	9,894	10,137
4,172	4,624	5,101	6,011	6,075	6,984	7,547	8,885	9,239	10,146	10,456	11,687
-	-	-446	-591	-459	-636	-609	-1,128	-795	-653	-562	-1,550
-494	-560	-369	-434	-629	-1,039	-715	-997	-988	-732	-255	-471
-494	-560	-369	-434	-629	-1,048	-967	-1,310	-1,407	-1,257	-744	-471
-	-	-	-	-	-	-	-	-	-	-	-
3,677	4,064	4,344	4,985	5,001	5,538	6,221	6,759	7,456	8,761	9,639	10,194
628	666	743	923	934	1,125	1,318	1,515	1,533	1,947	2,165	2,246
2,312	2,557	2,514	2,757	2,981	3,170	3,447	3,742	4,050	4,943	5,561	5,797
440	540	583	771	615	770	834	1,026	1,291	1,305	1,320	1,503
239	258	249	288	323	345	351	339	336	386	410	422
21	23	186	282	506	935	1,292	1,440	1,563	2,845	2,776	4,606
21	23	186	282	506	935	1,292	1,440	1,563	2,845	2,776	4,606
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-6	-6	-165	-261	-486	-916	-1,273	-1,422	-1,548	-2,826	-2,758	-4,585
-6	-6	-165	-253	-479	-810	-924	-1,102	-1,106	-2,295	-2,136	-4,585
14	16	22	21	20	19	19	18	15	19	18	21
14	16	22	21	20	19	19	18	15	19	18	21
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
917	1,057	1,260	1,457	1,645	1,865	2,026	2,284	2,632	3,078	3,520	3,977
232	262	350	425	643	911	841	1,033	1,066	1,513	1,887	2,451
685	795	910	1,033	1,002	954	1,185	1,251	1,566	1,565	1,633	1,526
-	-	-	-	-	-	-	-	-	-	-	-
674	798	963	1,150	1,316	1,524	1,681	1,927	2,214	2,586	2,996	3,437
299	339	397	473	530	583	651	782	903	1,091	1,307	1,539
7	8	9	10	11	14	17	21	25	26	10	33
330	412	516	624	729	879	964	1,088	1,246	1,426	1,631	1,818
38	40	41	43	46	48	50	37	40	43	48	47

Major Economic Indicators of Viet Nam

	1980	1985	1986	1987	1988	1989	1990	1991
Population (Millions) *1	53.70	58.87	60.25	61.75	63.26	64.77	66.20	67.61
Gross Domestic Product *3								
Real Term (Billions of 2000 Price and 2000 USD)	N.A.	11.89	12.22	12.66	13.31	14.29	15.02	15.91
Real Term (Billions of 2000 Price and 2000 PPP)	N.A.	60.31	62.00	64.22	67.52	72.49	76.19	80.73
Nominal (Billions of Current USD)	N.A.	N.A.	26.34	36.66	25.42	6.29	6.47	7.64
GDP per Capita *3								
Real Term (2000 Price and 2000 USD)	N.A.	202	203	205	210	221	227	235
Real Term (2000 Price and 2000 PPP)	N.A.	1,025	1,029	1,040	1,067	1,119	1,151	1,194
Nominal (Current USD)	N.A.	N.A.	437	594	402	97	98	113
Nominal GDP & its Components (Billions of Current VND) *1								
Gross Domestic Product	N.A.	117	599.00	2,870	15,420	28,093	41,955	76,707
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	24,645	35,559	62,755
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	N.A.	2,204	5,177	6,204
Gross Fixed Capital Formation	N.A.	N.A.	N.A.	N.A.	N.A.	3,699	N.A.	N.A.
Stock Change	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Exports of Goods and Services	N.A.	N.A.	39.67	172.24	608.36	6,700	15,120	23,714
Imports of Goods and Services	N.A.	N.A.	99.41	424.68	2,314	9,567	18,996	27,639
Real GDP & its Components (Billions of 1994 VND) *1								
Gross Domestic Product	N.A.	104,378	107,289	111,134	116,841	125,445	131,844	139,703
Household Final Consumption Expenditure, etc.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
General Government Final Consumption Expenditure	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gross Fixed Capital Formation	N.A.	N.A.	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.	N.A.	N.A.
Exports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	20,042	22,632	29,390
Imports of Goods and Services	N.A.	N.A.	N.A.	N.A.	N.A.	31,930	30,495	28,556
Sectional Shares of Real GDP (%) *3								
Agriculture, Fishery and Forest	N.A.	35.3	35.4	33.7	33.3	33.2	31.9	30.7
Industry	N.A.	25.3	27.3	28.6	28.5	25.9	25.2	25.6
Services, etc.	N.A.	39.4	37.4	37.7	38.2	41.0	42.9	43.7
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.	0.338	0.698	0.789	0.854	1.038	1.946	2.404	2.087
Imports, c.i.f.	1.314	1.857	2.155	2.455	2.756	2.565	2.752	2.338
Balance of Payments (Billions of Current USD) *1								
Trade Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Current Account	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Overall Balance	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Foreign Exchange Rate (VND/USD) *1	N.A.	N.A.	22.74	78.29	606.52	4,464	6,483	10,037
Purchasing Power Parity (VND/International Dollar) *1	N.A.	N.A.	N.A.	N.A.	N.A.	503	641	1,081
Price Indices								
GDP Deflator (1994=100) *3	N.A.	0.1	0.6	2.6	13.2	22.4	31.8	54.9
Wholesale Price Index (2000=100)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Consumer Price Index (2000=100)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Growth Rate (%) *3								
Real GDP	N.A.	3.81	2.79	3.58	5.14	7.36	5.10	5.96
Population	2.14	2.04	2.35	2.49	2.45	2.39	2.20	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	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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. shows "not available"

: VND shows Dong, USD shows United States Dollar

: PPP shows Purchasing Power Parity

Major Economic Indicators of Viet Nam (Continued)

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
68.99	70.35	71.68	72.98	74.30	75.46	76.52	77.52	78.52	79.49	80.42	81.31	82.16
17.29	18.68	20.34	22.28	24.36	26.34	27.86	29.19	31.17	33.32	35.68	38.30	41.25
87.71	94.79	103.16	113.01	123.56	133.63	141.34	148.08	158.14	169.04	181.01	194.29	209.23
9.87	13.18	16.28	20.74	24.66	26.84	27.21	28.68	31.17	32.69	35.06	39.55	N.A.
251	266	284	305	328	349	364	377	397	419	444	471	502
1,271	1,347	1,439	1,548	1,663	1,771	1,847	1,910	2,014	2,126	2,251	2,389	2,547
143	187	227	284	332	356	356	370	397	411	436	486	N.A.
110,532	140,258	178,534	228,892	272,036	313,623	361,017	399,942	441,646	481,295	535,672	613,443	713,071
88,943	106,440	133,299	168,492	202,509	225,084	255,921	274,553	293,507	312,144	348,747	406,451	465,506
6,371	10,279	14,738	18,741	22,722	25,500	27,523	27,137	28,346	30,463	33,390	38,770	45,751
N.A.	N.A.	43,325	58,187	71,597	83,734	97,551	102,799	122,101	140,301	166,828	204,608	237,868
N.A.	N.A.	2,158	3,944	4,853	5,020	7,324	7,704	8,670	9,732	11,155	12,800	15,818
38,405	40,286	60,725	75,106	111,177	135,180	161,910	199,836	243,049	262,864	299,952	362,932	473,341
42,921	52,582	77,591	95,925	141,016	160,706	188,281	211,254	253,927	274,085	324,216	411,192	524,906
151,782	164,035	178,534	195,567	213,833	231,265	244,596	256,272	273,666	292,535	313,247	336,242	362,092
N.A.	N.A.	133,299	142,917	155,909	165,125	172,498	176,976	182,420	190,457	204,113	221,545	237,262
N.A.	N.A.	14,738	15,976	17,163	17,850	18,425	17,374	18,245	19,450	20,497	21,970	23,678
N.A.	N.A.	43,325	49,715	56,678	62,438	70,187	71,294	78,552	86,972	98,160	109,843	121,312
N.A.	N.A.	2,158	3,534	4,148	4,091	4,744	4,536	4,944	5,515	6,096	6,780	7,604
36,641	39,985	60,725	76,177	118,571	118,571	123,669	152,731	191,220	198,868	220,744	264,010	337,669
33,923	48,110	77,591	108,456	156,296	191,540	196,520	198,682	267,227	273,374	334,063	418,581	524,063
30.2	28.9	27.4	26.2	25.1	24.2	23.7	23.8	23.3	22.4	21.8	21.1	20.2
26.6	27.7	28.9	29.9	31.3	32.6	33.4	34.4	35.4	36.6	37.4	38.5	39.4
43.2	43.4	43.7	43.8	43.6	43.2	42.9	41.9	41.3	41.0	40.8	40.5	40.4
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
2,581	2,985	4,054	5,449	7,255	9,185	9,361	11,540	14,449	15,029	16,706	20,176	25,625
2,541	3,532	5,826	8,155	11,144	11,592	11,500	11,742	15,638	16,218	19,746	25,227	31,091
N.A.	N.A.	N.A.	N.A.	-2.775	-1.247	-0.989	0.972	0.375	0.481	-1.054	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	-2.020	-1.528	-1.074	1.177	1.106	0.682	-0.604	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	0.278	0.328	0.037	1.310	0.110	0.206	0.448	N.A.	N.A.
11,202	10,641	10,966	11,038	11,033	11,683	13,268	13,943	14,168	14,725	15,280	15,510	N.A.
1,429	1,634	1,896	2,207	2,342	2,450	2,637	2,762	2,793	2,784	2,891	2,991	3,210
72.8	85.5	100.0	117.0	127.2	135.6	147.6	156.1	161.4	164.5	171.0	182.4	196.9
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	83.5	88.3	91.1	97.7	101.7	100.0	99.6	103.4	106.6	114.9
8.65	8.07	8.84	9.54	9.34	8.15	5.76	4.77	6.79	6.89	7.08	7.34	7.69
2.05	1.97	1.89	1.81	1.81	1.56	1.40	1.30	1.30	1.24	1.17	1.11	1.04
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	5.7	3.2	7.3	4.1	-1.7	-0.4	3.8	3.1	7.8

Original Table (Energy Demand and Supply) of Viet Nam in 2003 (Continued)

ELECTRICITY GENERATING CAPACITY

At the time of 2003
unit: MW

THERMAL POWER	4,711.8	
COAL	1,245.0	
OIL	817.4	
GAS	2,649.4	
HYDRO POWER	4,128.3	
NUCLEAR POWER		
GEOHERMAL POWER		
OTHERS (WIND, TIDE, PHOTVOLTAIC)		
OTHERS (BIOMASS, MUNICIPAL WASTE)		
COGENERATION	2,479.6	
COAL		
OIL		
GAS		
OTHERS (BIOMASS, MUNICIPAL WASTE)		

REFINING CAPACITY

At the time of 2003

	Unit	
OPERATING RATE (*1)	%	
CRUDE DISTILLATION CAPACITY	1000BD	
VACUUM DISTILLATION CAPACITY	1000BD	
CATALYTIC HYDROCRACKING CAPACITY	1000BD	
VACUUM GAS OIL HYDRODESULFURIZING CAPACITY	1000BD	
RESIDUE HYDRODESULFURIZING CAPACITY	1000BD	
CATALYTIC CRACKING CAPACITY	1000BD	
CATALYTIC REFORMING CAPACITY	1000BD	

(*1) crude throughput/distillation capacity

NON-COMMERCIAL ENERGY TABLE

At the time of 2003
unit:

	1.	2.	3.	4.	5.TOTAL
PRIMARY ENERGY SUPPLY					
INDIGENOUS PRODUCTION					
IMPORTS					
EXPORTS					
TOTAL					
TRANSFORMATION (INPUT)					
TRANSFORMATION (OUTPUT)					
FINAL ENERGY CONSUMPTION					
AGRICULTURE					
RESIDENTIAL COMMERCIAL					
INDUSTRY					
TRANSPORT					
TOTAL					

3.22 APEC Region

3.22.1 Primary Energy Supply Table

Primary Energy Supply Table in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Coal & Coal Products									
Indigenous Production	192,611	-	32,267	451	946,373	-	71,960	684	2,006
Import	-	-	11,513	3,151	10,678	6,242	-	114,726	50,355
Export	-141,704	-	-15,430	-26	-51,810	-0	-50,977	-1,549	-
Stock Change	-1,449	-	365	98	-4,476	-397	-	-725	-1,407
Total	49,458	-	28,716	3,675	900,765	5,845	20,983	113,135	50,954
Crude oil & Petroleum Products									
Indigenous Production	30,643	10,492	150,194	2,156	167,080	-	53,388	725	437
Import	28,096	14	59,439	13,857	161,727	17,594	41,113	261,418	139,981
Export	-20,901	-10,014	-111,307	-3,523	-18,037	-1,415	-35,931	-4,818	-32,142
Stock Change	25	-36	1,070	-680	-4,993	-	-	-1,168	105
Total	37,044	456	98,794	11,811	305,377	7,713	58,570	250,403	101,425
Natural Gas									
Indigenous Production	32,001	11,401	150,717	1,966	35,341	-	69,693	2,534	-
Import	-	-	8,920	5,758	-	2,048	-	66,757	25,919
Export	-9,255	-9,826	-86,307	-	-2,044	-	-26,945	-	-
Stock Change	-	-	4,732	-215	-	-	-	-2	-632
Total	22,747	1,574	78,062	7,509	33,296	2,048	42,748	69,289	25,288
Nuclear Power									
Indigenous Production	-	-	23,555	-	13,152	-	-	74,497	34,064
Hydro Power									
Indigenous Production	1,417	-	29,331	1,814	30,405	-	832	8,871	506
Geothermal, Solar, etc									
Indigenous Production	123	-	123	-	-	-	5,723	3,806	42
Primary Energy									
Indigenous Production	261,798	21,895	398,523	10,699	1,198,120	95	239,795	97,040	38,799
Import	28,096	14	81,832	22,931	172,697	26,672	41,113	442,900	216,255
Export	-171,859	-19,841	-215,903	-3,549	-72,707	-1,680	-113,853	-6,367	-32,142
Stock Change	-1,424	-36	6,167	-796	-9,469	-397	-	-1,895	-1,933
Total	115,792	2,033	270,017	29,284	1,288,243	16,224	167,054	525,923	214,022

Primary Energy Supply Table in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Coal & Coal Products									
Indigenous Production	185,241	-	30,261	383	817,966	-	62,138	683	1,410
Import	-	-	13,265	1,975	6,278	6,409	-	103,805	45,418
Export	-135,502	-	-14,941	-	-57,967	-9	-46,586	-1,881	-
Stock Change	-1,457	-	1,761	-68	-4,778	-	-	42	258
Total	48,282	-	30,345	2,289	761,499	6,401	15,551	102,648	47,086
Crude oil & Petroleum Products									
Indigenous Production	30,668	10,296	144,704	181	161,123	-	53,003	712	499
Import	27,951	13	57,018	12,293	123,133	13,461	24,084	267,683	137,260
Export	-22,115	-9,637	-106,338	-1,652	-22,284	-1,107	-30,966	-15,482	-28,566
Stock Change	142	12	-1,550	206	-637	105	-	-2,078	-1,670
Total	35,932	684	93,338	9,862	260,068	7,319	45,939	250,835	101,202
Natural Gas									
Indigenous Production	31,311	11,479	151,164	1,829	29,339	-	63,621	2,500	-
Import	-	-	7,949	5,123	-	1,237	-	69,284	22,738
Export	-9,152	-8,396	-83,324	-	-1,569	-	-27,954	-	-
Stock Change	-	30	3,939	-241	-	-	-	-2	-731
Total	22,159	3,113	79,728	6,711	27,770	1,237	35,667	71,782	22,007
Nuclear Power									
Indigenous Production	-	-	19,517	-	11,295	-	-	60,048	33,793
Hydro Power									
Indigenous Production	1,397	-	29,030	1,944	24,405	-	783	8,373	594
Geothermal, Solar, etc									
Indigenous Production	63	-	76	-	-	-	5,413	3,807	3
Primary Energy									
Indigenous Production	253,688	21,774	386,810	9,896	1,048,757	-	184,957	78,679	38,028
Import	27,951	13	80,341	19,558	129,667	22,001	24,084	440,772	205,416
Export	-166,768	-18,033	-207,296	-3,164	-82,710	-1,374	-105,506	-17,363	-28,566
Stock Change	-1,315	43	4,150	-106	-5,415	105	-	-2,039	-2,142
Total	112,841	3,798	263,510	25,018	1,089,033	15,592	103,353	500,049	206,415

Primary Energy Supply Table in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
229	4,749	3,102	-	16	1,310	130,063	-	-	5,610	546,503	15,315	1,953,249
7,118	2,362	450	-	805	3,681	12,337	6	37,794	4,748	20,279	-	286,246
-81	-1	-1,375	-	-	-	-40,198	-	-	-	-27,609	-6,516	-337,277
184	23	-291	-	102	-	1,937	-	-1,341	136	6,021	-454	-1,671
7,451	7,133	1,887	-	923	4,991	104,139	6	36,453	10,495	545,194	8,346	1,900,548
39,744	195,021	1,151	1,927	4,623	469	458,534	-	40	10,316	339,092	20,940	1,486,974
17,097	13,460	7,017	1,262	5,956	16,788	4,811	93,074	61,859	45,043	693,184	11,687	1,694,476
-28,219	-111,232	-820	-1,797	-2,966	-1,341	-331,089	-54,506	-13,040	-8,365	-52,111	-21,402	-864,974
-105	-343	-90	-4	-78	288	-1,424	-	-913	688	-8,306	-560	-16,523
28,418	96,122	7,034	1,388	7,535	16,065	130,831	18,062	45,642	47,683	947,469	10,665	2,228,507
49,046	35,496	3,453	107	828	2,059	509,407	-	695	14,877	438,497	4,606	1,362,724
848	9,348	-	-	-	-	5,566	4,662	9,447	7,607	99,096	-	245,977
-25,970	-	-	-	-	-	-161,895	-	-	-	-19,556	-	-341,800
-	-1,132	-0	-	-	-	-6,362	-	-273	-	-3,109	-	-6,993
23,924	43,713	3,453	107	828	2,059	346,716	4,662	9,869	22,484	514,928	4,606	1,259,907
-	2,396	-	-	-	-	37,735	-	10,291	-	211,956	-	407,647
501	2,168	2,324	77	1,529	739	15,289	-	564	519	25,619	1,526	124,031
-	5,734	2,713	-	2	8,843	347	-	85	2	16,963	-	44,507
89,520	253,873	13,640	2,111	9,080	23,705	1,158,510	-	13,087	47,706	1,642,282	57,121	5,577,398
25,063	25,174	7,467	1,262	6,762	20,469	23,761	97,742	109,100	57,712	815,501	11,687	2,234,211
-54,270	-111,320	-2,195	-1,797	-2,966	-1,341	-534,885	-54,506	-13,040	-8,400	-101,246	-27,918	-1,551,784
80	-1,452	-381	-4	23	93	-5,938	-	-2,527	825	-5,393	-1,014	-25,469
60,293	165,491	18,306	1,572	12,899	42,787	641,449	22,730	104,316	97,843	2,326,754	39,877	6,162,908

Primary Energy Supply Table in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
107	4,608	3,107	-	11	882	107,020	-	-	5,520	526,123	10,619	1,756,078
5,268	3,796	-	-	667	3,079	9,635	9	33,746	4,543	16,556	-	254,448
-36	-1	-1,621	-	-	-	-25,281	-0	-	-	-25,512	-4,058	-313,396
378	-176	326	-	95	-	-974	-	-71	-353	14,003	-	8,986
5,717	8,226	1,812	-	773	3,961	90,400	8	33,675	9,710	531,169	6,562	1,706,116
37,026	185,826	1,302	2,427	4,615	674	420,675	-	39	7,736	350,773	17,917	1,430,195
15,142	12,354	6,747	1,340	6,000	16,861	5,769	86,867	52,516	39,948	645,324	10,456	1,562,221
-27,719	-106,750	-1,017	-2,427	-3,449	-2,229	-298,542	-46,542	-9,761	-7,993	-50,555	-18,013	-813,143
676	1,111	-32	-	-1,035	-148	1,239	-	992	1,337	-4,858	-323	-6,510
25,053	91,715	6,742	1,340	6,131	14,375	129,140	15,797	40,962	41,027	921,464	10,037	2,108,964
46,123	33,954	3,858	132	1,720	2,628	499,830	-	666	18,984	448,177	2,776	1,350,090
1,501	8,064	-	-	-	-	7,072	3,955	6,505	7,071	91,651	-	232,151
-20,367	-	-	-	-	-	-152,983	-	-	-	-15,553	-	-319,298
-	-39	-0	-	-	-	-11,319	-	43	-	-4,149	-	-12,469
27,257	41,979	3,858	132	1,720	2,628	342,600	3,955	7,214	26,054	520,127	2,776	1,250,475
-	2,737	-	-	-	-	39,180	-	10,135	-	205,305	-	382,010
435	1,710	2,038	80	1,594	677	13,564	-	593	628	26,292	1,633	115,768
-	5,408	2,355	-	55	8,447	279	-	-	2	13,841	-	39,749
83,691	242,460	13,510	2,640	7,995	13,308	1,086,633	118	11,432	32,868	1,632,640	32,944	5,182,827
21,911	24,222	6,747	1,340	6,667	19,940	23,184	90,830	92,768	51,776	756,145	10,456	2,055,790
-48,139	-106,833	-2,638	-2,427	-3,449	-2,229	-478,666	-46,542	-9,761	-8,019	-93,681	-22,071	-1,455,235
1,054	896	293	-	-940	-148	-10,983	-	964	983	4,996	-323	-9,926
58,445	159,917	17,655	1,553	10,273	30,088	620,168	19,878	92,579	77,608	2,280,878	21,007	5,709,658

3.22.2 Final Energy Consumption Table

Final Energy Consumption Table in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Total	74,017	762	201,403	21,653	884,756	10,344	117,315	364,014	144,239
Coal & Coal Products	3,494	-	3,315	921	415,816	648	7,186	38,872	8,055
Crude oil & Petroleum Products	37,492	482	91,380	11,133	258,602	6,322	48,138	211,677	86,791
Natural Gas	11,728	14	52,674	1,534	23,650	-	14,682	23,436	14,514
Electricity	17,094	262	43,255	4,091	147,690	3,373	9,117	86,441	29,063
Others	4,209	3	10,780	3,974	38,998	-	38,192	3,588	5,816
Industry	27,097	93	76,997	8,303	596,036	394	39,218	163,524	69,944
Coal & Coal Products	3,316	-	3,289	882	344,953	23	7,164	37,841	7,398
Crude oil & Petroleum Products	5,905	39	23,667	2,574	107,797	2	12,019	78,569	39,342
Nature Gas/LNG & Town Gas	7,641	-	23,565	989	15,128	-	14,628	8,771	3,940
Electricity	7,685	54	17,555	2,784	100,433	369	3,468	36,132	15,248
Others	2,549	-	8,922	1,074	27,725	-	1,939	2,211	4,016
Transport	29,343	409	55,676	7,318	91,165	5,800	22,623	94,255	34,740
Coal & Coal Products	66	-	-	-	3,964	-	-	-	-
Crude oil & Petroleum Products	28,742	409	51,732	7,271	82,399	5,681	22,605	92,336	34,299
Nature Gas/LNG & Town Gas	338	-	3,605	27	935	-	12	-	228
Electricity	197	-	339	20	3,867	119	5	1,920	213
Others	-	-	-	-	-	-	-	-	-
Agriculture	2,158	0	3,633	11	37,430	-	-	6,011	1,946
Coal & Coal Products	-	-	-	-	11,329	-	-	-	-
Crude oil & Petroleum Products	1,996	0	2,306	11	19,422	-	-	5,594	1,504
Nature Gas/LNG & Town Gas	2	-	457	-	-	-	-	-	22
Electricity	159	-	869	-	6,661	-	-	321	420
Others	-	-	1	-	18	-	-	96	0
Residential & Commercial	15,419	137	62,561	5,696	123,948	3,511	51,167	97,396	35,225
Coal & Coal Products	111	-	26	27	51,927	625	21	1,031	657
Crude oil & Petroleum Products	849	16	11,139	1,055	27,680	-	9,716	32,350	9,403
Nature Gas/LNG & Town Gas	3,746	14	25,047	438	6,402	-	42	14,665	10,323
Electricity	9,052	104	24,492	1,276	27,519	2,886	5,135	48,068	13,042
Others	1,660	3	1,857	2,900	10,421	-	36,253	1,281	1,800

Final Energy Consumption Table in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Total	72,268	703	197,001	19,653	762,916	10,532	65,741	355,055	141,833
Coal & Coal Products	2,863	-	3,047	784	344,205	5	5,189	37,512	8,302
Crude oil & Petroleum Products	37,337	442	87,358	9,995	219,010	6,639	39,434	206,332	87,737
Nature Gas/LNG & Town Gas	11,444	27	53,112	1,401	29,892	580	10,637	23,893	14,015
Electricity	16,367	233	43,074	3,811	129,274	3,306	10,481	83,557	27,353
Others	4,256	-	10,410	3,663	40,535	-	-	3,761	4,425
Industry	25,852	94	74,671	6,271	462,267	1,192	19,289	156,209	67,356
Coal & Coal Products	2,724	-	3,023	717	255,950	-	3,049	36,508	7,745
Crude oil & Petroleum Products	5,974	40	22,220	1,966	71,621	816	8,208	72,909	38,475
Nature Gas/LNG & Town Gas	7,477	-	23,077	873	17,057	22	2,421	9,128	3,738
Electricity	7,298	54	17,794	2,323	86,757	355	5,610	35,356	14,492
Others	2,378	-	8,556	392	30,883	-	-	2,308	2,906
Transport	29,176	371	53,961	6,683	74,328	5,626	20,965	86,347	34,607
Coal & Coal Products	55	-	-	-	5,659	-	-	-	-
Crude oil & Petroleum Products	28,628	371	49,748	6,641	65,107	5,626	20,952	84,472	34,276
Nature Gas/LNG & Town Gas	317	-	3,854	23	147	-	13	-	130
Electricity	176	-	358	19	3,415	-	-	1,875	200
Others	-	-	-	-	-	-	-	-	-
Agriculture	2,030	0	3,635	1,022	32,696	-	-	9,437	2,301
Coal & Coal Products	-	-	-	66	9,718	-	-	-	-
Crude oil & Petroleum Products	1,885	0	2,287	139	16,310	-	-	9,025	1,769
Nature Gas/LNG & Town Gas	2	-	485	103	-	-	-	-	21
Electricity	143	-	861	338	6,651	-	-	314	511
Others	-	-	2	376	17	-	-	98	0
Residential & Commercial	15,210	222	62,789	5,513	116,426	3,699	16,439	97,166	35,266
Coal & Coal Products	83	-	23	1	51,283	-	2,139	1,004	557
Crude oil & Petroleum Products	851	15	11,158	1,103	24,828	198	9,970	34,030	10,914
Nature Gas/LNG & Town Gas	3,648	27	25,695	402	7,093	559	102	14,765	10,126
Electricity	8,751	180	24,061	1,131	24,613	2,943	4,227	46,013	12,150
Others	1,878	-	1,852	2,877	8,608	-	-	1,355	1,519

Final Energy Consumption Table in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
36,539	105,592	13,946	1,124	10,952	26,597	425,002	13,218	64,059	64,260	1,593,835	35,053	4,208,681
1,239	1,276	912	-	530	1,055	48,369	104	6,913	5,935	34,264	6,667	585,570
22,785	68,293	6,934	835	6,565	13,021	75,894	10,261	39,004	35,614	866,393	10,194	1,907,813
5,877	14,134	2,002	-	55	0	112,508	-	1,891	2,341	335,043	21	616,104
6,638	14,621	3,035	289	1,853	3,791	55,516	2,853	16,084	9,854	313,046	3,437	771,402
-	7,268	1,063	-	1,949	8,730	132,714	-	167	10,517	45,090	14,734	327,792
14,375	36,002	5,230	637	3,272	6,215	150,949	6,861	37,062	25,214	463,831	11,632	1,742,886
1,239	1,276	733	-	530	1,055	41,982	60	6,913	5,935	31,291	4,754	500,634
5,326	12,481	691	419	1,400	2,186	6,050	5,559	20,611	7,557	183,221	2,246	517,661
4,471	12,473	1,665	-	54	-	25,714	-	854	2,314	135,360	21	257,589
3,340	8,749	1,203	218	1,139	1,291	28,732	1,242	8,684	4,538	81,003	1,539	325,407
-	1,023	939	-	148	1,683	48,471	-	-	4,870	32,955	3,072	141,596
15,365	45,150	5,817	377	3,849	8,668	82,735	4,480	13,789	22,811	632,544	5,829	1,182,744
-	-	-	-	-	-	282	-	-	-	-	-	4,311
15,317	44,447	5,777	377	3,849	8,662	44,650	4,453	13,676	22,780	618,138	5,797	1,113,398
49	605	5	-	-	0	30,895	-	-	27	13,798	-	50,525
-	98	36	-	-	6	6,908	28	113	4	608	33	14,510
-	-	-	-	-	-	-	-	-	-	-	-	-
87	2,868	300	-	42	76	9,621	3	126	3,519	17,024	492	85,348
-	-	12	-	-	-	109	-	-	-	562	23	12,036
87	2,267	169	-	42	69	4,359	-	4	3,500	16,429	422	58,182
-	-	-	-	-	-	387	-	-	-	-	-	868
-	601	119	-	-	7	1,547	3	122	19	-	47	10,896
-	-	-	-	-	-	3,218	-	-	-	33	-	3,366
4,750	21,572	2,480	39	3,455	11,301	133,217	1,624	10,561	12,673	465,948	16,874	1,079,552
-	-	166	-	0	-	5,102	45	-	-	2,410	1,891	64,040
1,431	9,098	184	39	941	1,767	4,119	-	2,285	1,777	48,604	1,503	163,955
21	1,055	332	-	0	-	38,098	-	1,037	-	185,885	-	287,106
3,298	5,173	1,673	-	714	2,486	12,325	1,579	7,071	5,249	216,946	1,818	389,907
-	6,245	124	-	1,801	7,048	73,573	-	167	5,647	12,102	11,662	174,543

Final Energy Consumption Table in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
34,587	100,618	13,275	1,095	8,462	17,707	418,375	10,951	62,312	50,364	1,562,534	16,989	3,922,971
1,212	1,036	1,048	-	463	885	42,836	-	9,232	5,034	31,738	4,337	499,727
21,176	64,457	6,677	839	6,186	13,155	62,812	8,094	35,764	33,815	837,221	9,639	1,794,122
5,886	13,631	1,859	-	20	-	123,736	106	1,687	2,316	342,331	18	636,591
6,313	14,362	3,018	256	1,738	3,667	54,372	2,751	15,628	9,198	308,028	2,996	739,785
-	7,132	673	-	55	-	134,619	-	-	-	43,217	-	252,746
13,473	34,703	4,802	601	3,252	4,158	152,289	5,313	35,892	15,659	443,236	6,604	1,533,182
1,212	1,036	925	-	463	770	37,941	-	8,931	5,034	29,409	3,113	398,552
4,812	12,063	581	412	1,737	2,088	9,989	4,074	17,657	4,503	165,755	2,165	448,067
4,207	12,050	1,501	-	20	-	27,501	60	802	1,995	135,471	18	247,418
3,242	8,556	1,188	189	1,032	1,299	28,233	1,179	8,502	4,126	80,480	1,307	309,372
-	998	607	-	-	-	48,624	-	-	-	32,121	-	129,773
14,271	42,200	5,633	374	3,088	8,677	78,914	3,798	12,914	21,123	624,459	5,571	1,133,084
-	-	-	-	-	-	234	-	-	-	-	-	5,948
14,226	41,519	5,592	374	3,088	8,673	41,063	3,771	12,808	21,107	609,614	5,561	1,063,215
40	585	5	-	-	-	31,150	-	-	13	14,259	-	50,538
5	96	35	-	-	5	6,467	27	106	3	586	10	13,383
-	-	-	-	-	-	-	-	-	-	-	-	-
98	2,811	306	-	80	355	10,546	3	1,106	3,339	13,579	481	83,826
-	-	13	-	-	-	156	-	-	-	361	24	10,337
98	2,179	175	-	34	349	4,601	-	898	3,320	13,068	410	56,547
-	-	-	-	-	-	509	-	-	-	-	-	1,120
-	633	119	-	47	6	1,750	3	208	19	-	48	11,650
-	-	0	-	-	-0	3,530	-	-	-	151	-0	4,172
4,399	20,904	2,345	108	1,679	4,277	155,169	1,588	10,584	6,736	466,787	4,151	1,031,456
-	-	110	-	-	-	3,862	-	-	-	1,969	1,200	62,231
1,310	8,697	146	41	992	1,920	4,971	-	2,886	1,778	48,784	1,320	165,912
23	996	353	-	0	-	46,243	46	885	-	192,600	-	303,564
3,066	5,077	1,670	67	631	2,357	17,923	1,542	6,812	4,957	212,488	1,631	382,288
-	6,134	66	-	55	-	82,171	-	-	-	10,945	-	117,461

3.22.3 Demand and Supply Table

Demand & Supply Table of Coal in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	185,241	-	30,261	383	817,966	-	62,138	683	1,410
Import	-	-	13,147	1,931	5,582	6,409	-	103,805	45,418
Export	-135,342	-	-14,897	-	-48,304	-9	-46,586	-	-
Stock Change	-1,419	-	1,732	-7	-2,369	-	-	42	258
Primary Energy Supply	48,481	-	30,242	2,307	772,875	6,401	15,551	104,530	47,086
Coal Transformation	-3,362	-	-2,824	-	-132,078	-	-14	-40,025	-14,290
Refining	-	-	-	-	-	-	-	-	-
Gas processing	-	-	-	-478	-5,490	-	-	-	-
Power Generation (Main Activity Producer)	-43,188	-	-25,996	-1,386	-410,426	-6,423	-12,503	-42,254	-27,540
Power Generation (Auto Producers)	-1	-	-4	-6	-	-	-	-4,872	-1,118
Final Energy Consumption	1,892	-	1,192	433	234,762	5	5,180	15,582	5,234

Demand & Supply Table of Crude Oil in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	30,668	10,296	144,704	181	161,123	-	53,003	712	499
Import	23,130	-	45,770	10,324	86,471	-	17,363	215,047	110,258
Export	-19,518	-9,637	-85,093	-	-7,727	-	-25,988	-	-43
Stock Change	-34	13	-1,723	121	-585	-	-	-741	-1,718
Primary Energy Supply	34,246	672	103,657	10,626	239,282	-	44,378	215,018	108,995
Coal Transformation	-	-	-	-	-	-	-	-	-
Refining	-37,593	-658	-103,239	-10,626	-226,523	-	-46,396	-208,572	-114,865
Gas processing	-	-	-	-	-	-	-	-	-
Power Generation (Public Utilities)	-	-	-	-	-998	-	-	-5,990	-
Power Generation (Auto Producers)	-	-	-	-	-	-	-	-	-
Final Energy Consumption	-	-	-	-	2,461	-	-	-	-

Demand & Supply Table of Natural Gas in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	31,311	11,479	151,164	1,829	29,339	-	63,621	2,500	-
Import	-	-	7,949	5,123	-	1,237	-	69,284	22,738
Export	-9,152	-8,396	-83,324	-	-1,569	-	-27,954	-	-
Stock Change	-	30	3,939	-241	-	-	-	-2	-731
Primary Energy Supply	22,159	3,113	79,728	6,711	27,770	1,237	35,667	71,782	22,007
Coal Transformation	-	-	-	-	-	-	-	-	-
Refining	-	-	-	-564	-	-	-639	-	-
Gas processing	-	-681	-	-2,243	12,132	580	-7,290	23,883	-
Power Generation (Public Utilities)	-4,708	-1,073	-6,324	-2,505	-4,763	-1,237	-4,205	-46,870	-7,089
Power Generation (Auto Producers)	-3,074	-886	-1,475	-55	-	-	-	-341	-478
Final Energy Consumption	11,444	27	53,112	1,401	29,892	580	10,637	23,893	14,015

Demand & Supply Table of Coal in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
107	4,608	3,107	-	11	882	107,020	-	-	5,520	526,123	10,619	1,756,078
5,268	3,473	-	-	541	3,079	9,633	0	33,625	4,500	14,914	-	251,326
-36	-	-1,621	-	-	-	-22,828	-0	-	-	-25,082	-4,058	-298,764
378	-471	326	-	97	-	-974	-	-45	-353	13,975	-	11,170
5,717	7,609	1,812	-	649	3,961	92,852	0	33,580	9,667	529,930	6,562	1,719,810
-	-1,036	-	-	-26	-	-25,224	-	-3,758	-	-82,200	-	-304,839
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-1,911	-	-7,879
-4,104	-6,434	-734	-	-220	-3,050	-44,658	-	-18,643	-4,459	-421,284	-2,225	-1,075,527
-	-	-21	-	-	-	-16,389	-	-5,730	-	-5,358	-	-33,500
1,212	138	1,048	-	409	885	6,175	-	4,865	4,991	25,252	4,337	313,592

Demand & Supply Table of Crude Oil in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
37,026	185,826	1,302	2,427	4,615	674	420,675	-	39	7,736	350,773	17,917	1,430,195
7,921	343	5,209	-	4,212	12,294	5,766	40,082	44,236	39,082	560,116	-	1,227,623
-18,747	-102,022	-927	-2,427	-1,460	-654	-228,995	-	-	-3,092	-3,466	-17,452	-527,247
242	452	-131	-	-155	-112	1,213	-	-209	1,949	-4,964	-323	-6,706
26,442	84,600	5,453	-	7,212	12,202	198,658	40,082	44,066	45,674	902,459	143	2,123,865
-	-	-	-	-	-	-	-	-	-	-	-	-
-25,449	-69,631	-5,388	-	-8,049	-11,860	-193,892	-40,082	-45,767	-43,396	-841,323	-	-2,033,308
-	-	-	-	-	-	-	-	-	498	-	-	498
-	-	-	-	-	-	-	-	-	-	-	-	-6,988
-	-	-	-	-	-	-918	-	-	-	-	-	-918
-	-	-	-	-	-	110	-	-	2,607	-	-	5,178

Demand & Supply Table of Natural Gas in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
46,123	33,954	3,858	132	1,720	2,628	499,830	-	666	18,984	448,177	2,776	1,350,090
1,501	8,064	-	-	-	-	7,072	3,955	6,505	7,071	91,651	-	232,151
-20,367	-	-	-	-	-	-152,983	-	-	-	-15,553	-	-319,298
-	-39	-0	-	-	-	-11,319	-	43	-	-4,149	-	-12,469
27,257	41,979	3,858	132	1,720	2,628	342,600	3,955	7,214	26,054	520,127	2,776	1,250,475
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-3	-	-	-	-1,206
-8,975	-	-	-	-617	-	-4,834	105	-65	-179	-	-622	11,193
-10,893	-14,752	-1,702	-	-342	-2,628	-123,464	-3,955	-4,833	-19,642	-119,281	-2,136	-382,402
-469	-1,743	-168	-132	-23	-	-78,506	-	-231	-	-16,482	-	-104,063
5,886	13,631	1,859	-	20	-	123,736	106	1,687	2,316	342,331	18	636,591

Demand & Supply Table of Coal in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	192,611	-	32,267	451	946,373	-	71,960	684	2,006
Import	-	-	11,340	2,794	9,607	6,242	-	112,547	49,908
Export	-141,545	-	-15,345	-	-41,871	-0	-50,977	-	-
Stock Change	-1,152	-	239	-6	-769	-397	-	-793	-1,407
Primary Energy Supply	49,914	-	28,502	3,239	913,340	5,845	20,983	112,438	50,507
Coal Transformation	-3,595	-	-2,957	-843	-147,606	-	-10	-40,263	-14,684
Refining	-	-	-	-	-	-	-	-	-
Gas processing	-	-	-	-	-6,252	-	-	-	-
Power Generation (Public Utilities)	-43,890	-	-23,365	-1,961	-457,444	-5,867	-8,380	-46,202	-29,724
Power Generation (Auto Producers)	-	-	-3	-8	-	-	-4,061	-9,287	-1,474
Final Energy Consumption	2,404	-	1,296	454	267,184	0	7,177	15,322	4,807

Demand & Supply Table of Crude Oil in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	30,643	10,492	150,194	2,156	167,080	-	53,388	725	437
Import	21,648	-	47,169	11,306	116,584	-	19,791	210,520	116,545
Export	-18,630	-9,926	-89,188	-1,969	-5,217	-	-23,841	-	-12
Stock Change	45	-35	1,324	-323	-2,830	-	-	-1,246	1,079
Primary Energy Supply	33,707	531	109,499	11,170	275,617	-	49,339	209,999	118,049
Coal Transformation	-	-	-	-	-	-	-	-	-
Refining	-37,456	-641	-105,786	-11,231	-263,504	-	-48,787	-209,817	-119,564
Gas processing	-	-	-	-	-	-	-	-	-
Power Generation (Public Utilities)	-	-	-	-	-	-	-	-4,749	-
Power Generation (Auto Producers)	-	-	-	-	-174	-	-	-	-
Final Energy Consumption	-	-	-	-	3,279	-	-	-	-

Demand & Supply Table of Natural Gas & LNG in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Indigenous Production	32,001	11,401	150,717	1,966	35,341	-	69,693	2,534	-
Import	-	-	8,920	5,758	-	2,048	-	66,757	25,919
Export	-9,255	-9,826	-86,307	-	-2,044	-	-26,945	-	-
Stock Change	-	-	4,732	-215	-	-	-	-2	-632
Primary Energy Supply	22,747	1,574	78,062	7,509	33,296	2,048	42,748	69,289	25,288
Coal Transformation	-	-	-	-	-	-	-	-	-
Refining	-	-	-	-	-	-	-	-	-
Gas processing	-	-	-	-	-	-	-6,567	1,746	-
Power Generation (Public Utilities)	-4,986	-997	-6,033	-3,169	-	-2,048	-4,058	-45,139	-9,945
Power Generation (Auto Producers)	-2,829	-113	-1,272	-48	-3,301	-	-369	-2,068	-650
Final Energy Consumption	11,728	14	52,674	1,534	23,650	-	14,682	23,436	14,514

Demand & Supply Table of Coal in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
229	4,749	3,102	-	16	1,310	130,063	-	-	5,610	546,503	15,315	1,953,249
7,118	2,027	450	-	636	3,681	12,196	1	37,778	3,330	16,187	-	275,841
-81	-	-1,375	-	-	-	-37,515	-	-	-	-26,825	-6,516	-322,049
184	-373	-291	-	109	-	1,987	-	-1,288	136	5,500	-454	1,229
7,451	6,404	1,887	-	761	4,991	106,730	1	36,490	9,077	541,365	8,346	1,908,270
-	-991	-	-	-13	-	-26,849	-	-4,308	-	-88,416	-	-330,534
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-1,684	-	-7,936
-5,057	-5,333	-955	-	-262	-3,446	-50,711	-	-19,843	-4,656	-415,924	-1,678	-1,124,696
-	-	-20	-	-	-	-20,099	-	-6,501	-	-5,240	-	-46,693
1,239	80	912	-	478	1,055	8,517	-	4,908	4,518	26,385	6,667	353,405

Demand & Supply Table of Crude Oil in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
38,713	195,021	1,151	1,927	4,623	466	458,534	-	40	10,316	339,092	20,940	1,485,939
8,123	302	4,808	-	4,219	10,175	4,230	45,085	52,601	43,531	593,892	-	1,310,531
-19,321	-107,168	-741	-1,512	-841	-442	-258,912	-	-	-2,892	-3,823	-19,852	-564,287
-443	-517	58	-	-85	350	-1,388	-	-269	1,294	-7,262	-560	-10,807
27,072	87,639	5,277	415	7,916	10,548	202,464	45,085	52,372	52,250	921,899	528	2,221,376
-	-	-	-	-	-	-	-	-	-	-	-	-
-25,636	-74,784	-5,214	-415	-7,273	-9,759	-197,399	-45,085	-52,282	-46,816	-856,070	-	-2,117,518
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-4,749
-	-	-	-	-	-	-915	-	-	-	-	-	-1,089
-	-	-	-	-	-	206	-	-	367	-	-	3,851

Demand & Supply Table of Natural Gas & LNG in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
49,046	35,496	3,453	107	828	2,059	509,407	-	695	14,877	438,497	4,606	1,362,724
848	9,348	-	-	-	-	5,566	4,662	9,447	7,607	99,096	-	245,977
-25,970	-	-	-	-	-	-161,895	-	-	-	-19,556	-	-341,800
-	-1,132	-0	-	-	-	-6,362	-	-273	-	-3,109	-	-6,993
23,924	43,713	3,453	107	828	2,059	346,716	4,662	9,869	22,484	514,928	4,606	1,259,907
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-12,082	-	-	-	-	-	-	-	-554	-	-	-	-17,457
-9,549	-16,462	-1,185	-	-689	-1,963	-110,272	-4,662	-6,807	-19,786	-128,169	-4,585	-380,501
-532	-2,059	-120	-107	-	-	-70,154	-	-169	-	-19,063	-	-102,855
5,877	14,134	2,002	-	55	0	112,508	-	1,891	2,341	335,043	21	616,104

3.22.4 Power Generation Table

Power Generation Table in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Total	241,375	3,236	598,403	50,494	2,203,293	37,131	120,161	1,127,644	366,614
Thermal	224,390	3,236	165,633	28,237	1,795,588	37,131	103,812	697,448	231,512
Hydro	16,280	-	340,952	21,097	353,544	-	9,674	103,153	4,330
Nuclear	-	-	90,387	-	50,469	-	-	285,866	130,715
Geothermal	-	-	-	-	#VALUE!	-	6,655	3,428	-
Others	705	-	1,431	1,160	3,692	-	20	37,749	57
Public Utilities	227,429	2,906	547,556	50,403	2,057,670	37,131	96,191	941,356	337,585
Thermal	210,724	2,906	147,361	28,145	1,649,966	37,131	84,102	557,113	202,540
Hydro	16,000	-	308,377	21,097	353,544	-	8,943	95,188	4,330
Nuclear	-	-	90,387	-	50,469	-	-	285,866	130,715
Geothermal	-	-	-	-	-	-	3,147	3,182	-
Others	705	-	1,431	1,160	3,692	-	-	7	-
Auto Producers	13,946	330	50,847	92	145,622	-	23,970	186,289	29,029
Thermal	13,666	330	18,272	92	145,622	-	19,710	140,335	28,972
Hydro	280	-	32,575	-	-	-	731	7,965	-
Nuclear	-	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	3,509	246	-
Others	-	-	-	-	-	-	20	37,743	57

Power Generation Table in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Total	229,524	3,169	589,856	48,780	1,907,384	35,506	142,288	1,061,477	344,853
Thermal	212,772	3,169	176,637	26,177	1,580,361	35,506	126,889	723,861	210,250
Hydro	16,048	-	337,445	22,603	283,681	-	9,106	93,741	4,902
Nuclear	-	-	74,892	-	43,342	-	-	220,182	129,672
Geothermal	-	-	-	-	-	-	6,294	3,419	-
Others	704	-	882	-	-	-	-	20,274	29
Public Utilities	214,935	2,814	542,013	45,422	1,907,384	35,506	142,288	894,415	316,570
Thermal	198,463	2,814	159,056	23,410	1,580,361	35,506	126,889	580,710	181,996
Hydro	15,768	-	307,183	22,012	283,681	-	9,106	88,400	4,902
Nuclear	-	-	74,892	-	43,342	-	-	219,852	129,672
Geothermal	-	-	-	-	-	-	6,294	3,230	-
Others	704	-	882	-	-	-	-	2,223	-
Auto Producers	14,589	355	47,843	3,358	-	-	-	167,062	28,283
Thermal	14,309	355	17,581	2,767	-	-	-	143,151	28,254
Hydro	280	-	30,262	591	-	-	-	5,341	-
Nuclear	-	-	-	-	-	-	-	330	-
Geothermal	-	-	-	-	-	-	-	189	-
Others	-	-	-	-	-	-	-	18,051	29

Power Generation Table in 2004 (Continued)

												GWh
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
79,194	224,077	41,813	3,468	24,517	55,957	931,865	35,847	218,391	125,726	4,147,705	46,239	10,683,151
73,371	183,050	11,700	2,573	6,246	37,082	605,959	35,847	167,634	106,171	3,032,877	28,498	7,577,996
5,823	25,206	27,021	895	17,777	8,593	177,783	-	6,556	6,040	271,118	17,741	1,413,583
-	9,194	-	-	-	-	144,707	-	39,490	-	813,339	-	1,564,167
-	6,577	2,734	-	-	10,282	403	-	-	2	15,487	-	45,568
-	50	358	-	493	0	3,013	-	4,712	13,513	14,884	-	81,838
77,113	208,633	40,826	2,315	22,833	55,957	883,997	35,847	177,916	112,213	3,979,710	46,239	9,941,827
71,291	167,780	10,740	1,770	5,490	37,082	562,245	35,847	131,858	106,171	2,868,271	28,498	6,947,031
5,823	25,076	27,021	545	17,343	8,593	176,635	-	6,556	6,040	267,729	17,741	1,366,581
-	9,194	-	-	-	-	144,707	-	39,490	-	813,339	-	1,564,167
-	6,577	2,707	-	-	10,282	403	-	-	2	15,487	-	41,787
-	6	358	-	-	0	7	-	13	0	14,884	-	22,262
2,080	15,444	987	1,153	1,684	-	47,868	-	40,475	13,513	167,995	-	741,324
2,080	15,270	960	803	756	-	43,714	-	35,776	-	164,606	-	630,965
-	130	-	350	434	-	1,148	-	-	-	3,389	-	47,002
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	27	-	-	-	-	-	-	-	-	-	3,781
-	44	-	-	493	-	3,006	-	4,699	13,513	-	-	59,576

Power Generation Table in 2003 (Continued)

												GWh
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
78,427	217,867	40,441	3,178	22,926	52,863	912,296	34,300	209,051	116,985	4,054,353	40,925	10,146,449
73,371	181,156	13,825	2,249	4,393	35,171	603,901	34,300	163,267	109,684	2,961,206	21,939	7,300,083
5,056	19,880	23,699	929	18,534	7,869	157,720	-	6,895	7,299	278,609	18,986	1,313,002
-	10,502	-	-	-	-	150,342	-	38,890	-	787,818	-	1,455,640
-	6,282	2,769	-	-	9,822	324	-	-	2	14,870	-	43,782
-	47	148	-	-	-	9	-	-	-	11,850	-	33,942
76,346	202,948	39,233	1,374	21,361	52,863	869,302	34,300	171,063	116,985	3,886,772	40,925	9,614,820
71,291	166,406	12,663	829	3,243	35,171	561,851	34,300	125,278	109,684	2,797,963	21,939	6,829,822
5,056	19,753	23,699	545	18,118	7,869	156,776	-	6,895	7,299	274,271	18,986	1,270,319
-	10,502	-	-	-	-	150,342	-	38,890	-	787,818	-	1,455,310
-	6,282	2,723	-	-	9,822	324	-	-	2	14,870	-	43,547
-	5	148	-	-	-	9	-	-	-	11,850	-	15,821
2,080	14,919	1,208	1,804	1,565	-	42,994	-	37,989	-	167,581	-	531,630
2,080	14,750	1,162	1,420	1,150	-	42,050	-	37,989	-	163,243	-	470,260
-	127	-	384	415	-	944	-	-	-	4,338	-	42,683
-	-	-	-	-	-	-	-	-	-	-	-	330
-	-	46	-	-	-	-	-	-	-	-	-	235
-	42	-	-	-	-	-	-	-	-	-	-	18,122

3.22.5 Fuel Consumption Table for Power Generation

Fuel Consumption Table for Power Generation in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Main Activity Producer	49,917	1,003	34,013	5,874	465,500	7,975	20,156	110,727	44,649
Coal	43,890	-	23,365	1,961	457,444	5,867	8,380	46,202	29,724
Coke	-	-	-	559	-	-	-	-	-
Coke Oven Gas	-	-	-	-	1,690	-	-	1,354	-
Blast Furnace Gas	504	-	-	-	-	-	-	3,118	-
Crude Oil & NGL	-	-	-	-	-	-	-	4,749	-
LPG	-	-	-	0	-	-	-	297	-
Refinery Gas	-	-	-	-	-	-	-	-	-
Naphtha	-	-	-	0	-	-	-	6	-
Diesel Oil	129	6	98	67	-	8	5,480	158	27
Fuel Oil	80	-	3,651	18	-	51	2,238	9,698	4,789
Natural Gas	4,986	997	6,033	3,169	-	2,048	4,058	45,139	9,945
Others	328	-	867	100	6,366	-	-	7	165
Auto Producers	3,953	114	4,412	412	25,124	47	4,926	33,198	5,002
Coal	-	-	3	8	-	-	4,061	9,287	1,474
Coke	-	-	-	-	-	-	-	-	-
Coke Oven Gas	-	-	66	-	-	-	-	584	304
Blast Furnace Gas	19	-	63	-	-	-	-	2,370	1,851
Crude Oil & NGL	-	-	-	-	174	-	-	-	-
LPG	-	-	-	0	107	-	-	80	-
Refinery Gas	-	-	320	23	1,648	-	-	941	-
Naphtha	-	-	-	-	-	-	-	1,344	-
Diesel Oil	207	1	47	16	3,245	-	496	-	-
Fuel Oil	305	-	63	80	15,604	-	-	9,894	-
Natural Gas	2,829	113	1,272	48	3,301	-	369	2,068	650
Others	593	-	2,578	238	1,044	47	-	6,629	723

Fuel Consumption Table for Power Generation in 2003

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Main Activity Producer	50,492	1,079	36,542	4,664	436,013	7,707	23,022	113,125	40,659
Coal	44,692	-	25,996	1,386	410,426	6,423	12,503	42,254	27,540
Coke	-	-	-	350	-	-	-	-	-
Coke Oven Gas	-	-	-	-	622	-	-	1,398	-
Blast Furnace Gas	458	-	-	-	-	-	-	3,056	-
Crude Oil & NGL	-	-	-	-	998	-	-	5,990	-
LPG	-	-	-	-	18	-	-	562	-
Refinery Gas	-	-	-	-	1,432	-	-	-	-
Naphtha	-	-	-	-	-	-	-	2	-
Gas/Diesel Oil	273	6	92	25	2,629	7	4,187	157	317
Fuel Oil	122	-	3,028	6	12,517	41	2,126	12,636	5,244
Natural Gas	4,708	1,073	6,324	2,505	2,282	1,237	4,205	46,870	7,089
Others	240	-	1,102	392	5,090	-	-	200	469
Auto Producers	2,363	886	4,541	575	-	-	-	22,570	4,416
Coal	1	-	4	6	-	-	-	4,872	1,118
Coke	-	-	-	-	-	-	-	-	-
Coke Oven Gas	-	-	52	-	-	-	-	570	339
Blast Furnace Gas	20	-	49	-	-	-	-	1,951	1,558
Crude Oil & NGL	-	-	-	-	-	-	-	-	-
LPG	2	-	-	-	-	-	-	8	-
Refinery Gas	-	-	199	14	-	-	-	847	-
Naphtha	-	-	-	-	-	-	-	161	-
Gas/Diesel Oil	30	-	45	22	-	-	-	-	-
Fuel Oil	4	-	62	70	-	-	-	11,683	-
Natural Gas	1,682	886	1,475	55	-	-	-	-	478
Others	624	-	2,654	407	-	-	-	2,479	922

Fuel Consumption Table for Power Generation in 2004 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
15,152	37,710	2,179	513	1,488	7,420	166,858	7,088	29,115	26,156	657,837	6,734	1,698,065
5,057	5,333	955	-	262	3,446	50,711	-	19,843	4,656	415,924	1,678	1,124,696
-	-	-	-	-	-	-	-	-	-	-	-	559
-	-	-	-	-	-	-	-	-	-	61	-	3,105
-	-	-	-	-	-	-	-	-	-	526	-	4,148
-	-	-	-	-	-	-	-	-	-	-	-	4,749
-	-	-	-	-	-	-	-	-	-	-	-	297
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	6
272	349	5	113	222	205	-	19	81	104	2,999	87	10,432
274	15,567	-	400	315	1,805	5,875	2,286	2,384	1,610	20,152	384	71,578
9,549	16,462	1,185	-	689	1,963	110,272	4,662	6,807	19,786	128,169	4,585	380,501
-	-	34	-	-	-	-	121	-	-	90,005	-	97,993
655	3,378	293	150	210	-	111,573	-	9,975	1,033	41,684	-	246,140
-	-	20	-	-	-	20,099	-	6,501	-	5,240	-	46,693
-	-	-	-	-	-	4	-	-	-	-	-	4
-	34	-	-	-	-	1,025	-	125	-	226	-	2,365
-	171	-	-	-	-	4,101	-	395	-	786	-	9,756
-	-	-	-	-	-	915	-	-	-	-	-	1,089
-	-	-	1	-	-	43	-	-	-	-	-	232
-	-	-	-	-	-	1,183	-	41	-	3,712	-	7,868
-	-	-	-	-	-	-	-	-	-	-	-	1,344
123	-	-	42	138	-	1,492	-	-	-	416	-	6,223
-	-	-	-	18	-	8,291	-	856	-	773	-	35,884
532	2,059	120	107	-	-	70,154	-	169	-	19,063	-	102,855
-	1,114	154	-	54	-	4,266	-	1,888	1,033	11,468	-	31,828

Fuel Consumption Table for Power Generation in 2003 (Continued)

												ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total
15,626	38,529	2,124	210	861	7,290	177,015	6,212	26,392	24,816	647,308	5,105	1,664,791
4,104	6,434	778	-	220	3,050	44,658	-	18,643	4,459	421,284	2,225	1,077,075
-	-	-	-	-	-	-	-	-	-	-	-	350
-	-	-	-	-	-	-	-	-	-	-	-	2,021
-	-	-	-	-	-	-	-	-	-	295	-	3,809
-	-	-	-	-	-	-	-	-	-	-	-	6,988
-	-	-	-	-	-	-	-	-	-	-	-	580
-	-	-	-	-	-	-	-	-	-	-	-	1,432
-	-	-	-	-	-	-	-	-	-	-	-	2
340	716	-	30	40	148	8,624	43	111	45	4,076	64	21,930
289	16,626	-	179	259	1,465	-	2,760	2,804	670	19,800	680	81,252
10,893	14,752	1,319	-	342	2,628	123,464	3,285	4,833	19,642	119,281	2,136	378,869
-	-	27	-	-	-	269	123	-	-	82,572	-	90,484
639	3,129	1,146	424	285	-	115,485	-	7,291	-	38,248	-	201,996
-	-	21	-	-	-	16,389	-	5,730	-	5,358	-	33,500
-	-	-	-	-	-	8	-	-	-	-	-	8
-	50	-	-	-	-	869	-	91	-	423	-	2,394
-	250	-	-	-	-	3,541	-	334	-	823	-	8,527
-	-	-	-	-	-	918	-	-	-	-	-	918
-	-	-	-	-	-	27	-	-	-	-	-	36
-	-	-	-	-	-	1,263	-	34	-	2,841	-	5,198
-	-	-	-	-	-	-	-	-	-	-	-	161
170	-	-	44	219	-	10,698	-	-	-	450	-	11,678
-	-	-	248	42	-	-	-	871	-	743	-	13,723
469	1,743	612	132	23	-	78,506	-	231	-	16,482	-	102,775
-	1,087	512	-	1	-	3,267	-	-	-	11,127	-	23,080

3.22.6 Stock Table by Energy Resources

Stock Table by Energy Resource in 2004

	Australia	Brunei	Canada	Chile	China	Hong Kong	Indonesia	Japan	Korea
Opening Stocks									
Hard Coal	-	-	-	-	-	-	-	1,011	-
Coking Coal	-	-	-	-	-	-	-	-	-
Other bituminous coal	-	-	-	-	-	-	-	1,011	-
Subbituminous Coal	-	-	-	-	-	-	-	-	-
Anthracite	-	-	-	-	-	-	-	-	-
Lignite	-	-	-	-	-	-	-	-	-
Peat	-	-	-	-	-	-	-	-	-
Coke	-	-	-	-	-	-	-	642	-
BKB/PB	-	-	-	-	-	-	-	-	-
Crude Oil & NGL	-	19	-	-	-	-	-	14,988	-
Gasoline	-	2	-	-	-	-	-	1,562	-
Naphtha	-	-	-	-	-	-	-	1,302	-
Jet Fuel	-	-	-	-	23	-	-	638	-
Kerosene	-	-	-	-	4	-	-	3,212	-
Gas/Diesel Oil	-	-	-	-	-	-	-	1,589	-
Fuel Oil	-	-	-	-	-	-	-	3,112	-
LPG	-	0	-	-	-	-	-	3,073	-
Other Petroleum Products	-	0	-	-	-	-	-	313	-
Natural Gas	-	-	-	-	-	-	-	-2	-
Others	-	-	-	-	-	-	-	-	-
Total Opening Stocks	-	21	-	-	27	-	-	31,438	-
Closing Stocks									
Hard Coal	-	-	-	6	769	397	-	1,803	-
Coking Coal	-	-	-	-	-	-	-	-	-
Other bituminous coal	-	-	-	6	-	397	-	1,803	-
Subbituminous Coal	-	-	-	-	769	-	-	-	-
Anthracite	-	-	-	-	-	-	-	-	-
Lignite	-	-	-	-	-	-	-	-	-
Peat	-	-	-	-	-	-	-	-	-
Coke	-	-	-	-105	3,706	-	-	574	-
BKB/PB	-	-	-	-	-	-	-	-	-
Crude Oil & NGL	-	55	-	323	2,830	-	-	16,233	-
Gasoline	-	-	-	-7	261	-	-	1,648	-
Naphtha	-	-	-	2	-	-	-	1,436	-
Jet Fuel	-	2	-	116	7	-	-	633	-
Kerosene	-	-	-	-12	-	-	-	3,358	-
Gas/Diesel Oil	-	1	-	70	1,089	-	-	1,426	-
Fuel Oil	-	-	-	66	791	-	-	2,896	-
LPG	-	-	-	121	42	-	-	3,024	-
Other Petroleum Products	-	0	-	-	-	-	-	302	-
Natural Gas	-	-	-	215	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-
Total Closing Stocks	-	57	-	795	9,495	397	-	33,333	-
Stock Change									
Hard Coal	-1,152	-	328	-6	-769	-397	-	-793	-1,785
Coking Coal	-670	-	-338	-	-	-	-	-	-515
Other bituminous coal	697	-	1,535	-6	-	-397	-	-793	-1,270
Subbituminous Coal	-1,178	-	-869	-	-769	-	-	-	-
Anthracite	-	-	-3	-	-	-	-	-	378
Lignite	-	-	-85	-	-	-	-	-	-
Peat	-	-	-	-	-	-	-	-	-
Coke	-380	-	126	105	-3,706	-	-	68	-
BKB/PB	83	-	-	-	-	-	-	-	-
Crude Oil & NGL	45	-35	1,324	-323	-2,830	-	-	-1,246	1,079
Gasoline	-12	2	5	7	-261	-	-	-86	22
Naphtha	-	-	-25	-2	-	-	-	-134	-612
Jet Fuel	18	-2	-59	-116	16	-	-	5	-113
Kerosene	-4	-	10	12	4	-	-	-146	270
Gas/Diesel Oil	-60	-1	145	-70	-1,089	-	-	163	-220
Fuel Oil	-29	-	-36	-66	-791	-	-	216	-207
LPG	34	0	-7	-121	-42	-	-	49	-70
Other Petroleum Products	33	0	-289	-	-	-	-	11	-43
Natural Gas	-	-	4,732	-215	-	-	-	-2	-632
Others	-	-	-	-	-	-	-	-	-
Total Stock Change	-1,424	-36	6,167	-795	-9,469	-397	-	-1,895	-1,933

Stock Table by Energy Resource in 2004 (Continued)

													ktoe
Malaysia	Mexico	New Zealand	Papua New Guinea	Peru	Philippines	Russia	Singapore	Chinese Taipei	Thailand	United States	Viet Nam	Total	
2,380	-	-	-	108	-	-	-	1,943	-	-	-	5,441	
-	-	-	-	-	-	-	-	275	-	-	-	275	
-	-	-	-	108	-	-	-	1,654	-	-	-	2,773	
2,380	-	-	-	-	-	-	-	13	-	-	-	2,393	
-	-	-	-	2	-	-	-	3	-	-	-	4	
-	-	-	-	-	-	-	-	-	136	-	-	136	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-8	-	-	-	14	-	-	-	648	
-	-	-	-	-	-	-	-	-	-	-	-	-	
4,363	-	-	-	214	1,463	35,709	-	3,395	1,294	-	-	61,445	
929	-	-	-	37	-	1,800	-	964	-	-	-	5,294	
-	-	-	-	24	19	-	-	316	-	-	-	1,661	
-	-	-	-	-	-	-	-	209	-	-	-	870	
711	-	-	-	-	-	-	-	35	-	-	-	3,962	
1,529	-	-	-	7	-	3,192	-	807	878	-	-	8,002	
446	-	-	-	63	-	6,621	-	236	-	-	-	10,478	
131	-	-	-	0	-	166	-	235	-	-	-	3,605	
158	-	-	-	31	1	-	-	-	-	-	-	503	
-	-	-	-	-	-	33,209	-	104	-	-	-	33,311	
-	-	-	-	-	-	-	-	-	-	-	-	-	
10,646	-	-	-	479	1,483	80,697	-	8,260	2,309	-	-	135,360	
2,196	-	-	-	-	-	-	-	3,207	-	-	454	8,831	
-	-	-	-	-	-	-	-	272	-	-	-	272	
-	-	-	-	-	-	-	-	2,923	-	-	454	5,582	
2,196	-	-	-	-	-	-	-	13	-	-	-	2,978	
-	-	-	-	-	-	-	-	26	-	-	-	26	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	67	-	-	-	4,242	
-	-	-	-	-	-	-	-	-	-	-	-	-	
4,806	-	-	-	298	1,113	37,097	-	3,665	-	-	560	66,980	
943	-	-	-	20	40	2,176	-	1,076	98	-	-	6,255	
-	-	-	4	31	-	-	-	507	-	-	-	1,979	
-	-	-	-	-	6	-	-	284	47	-	-	1,095	
729	-	-	-	-	2	-	-	20	953	-	-	5,050	
1,405	-	-	-	5	-	3,012	-	981	-	-	-	7,988	
412	-	-	-	68	23	6,493	-	321	299	-	-	11,368	
76	-	-	-	1	7	135	-	258	86	-	-	3,750	
-	-	-	-	33	3	-	-	-	-	-	-	338	
-	-	-	-	-	-	39,572	-	377	-	-	-	40,163	
-	-	-	-	-	194	-	-	-	-	-	-	194	
10,567	-	-	4	455	1,389	88,484	-	10,787	1,484	-	1,014	158,261	
184	-373	-306	-	108	-	859	-	-1,264	-	5,104	-454	-715	
-	-728	-404	-	-	-	-6	-	3	-	-288	-	-2,946	
-	-	58	-	108	-	865	-	-1,268	-	3,168	-454	2,243	
184	355	40	-	-	-	-	-	0	-	2,224	-	-12	
-	-	-	-	2	-	-	-	-23	-	253	-	606	
-	-	15	-	-	-	1,147	-	-	136	143	-	1,357	
-	-	-	-	-	-	-20	-	-	-	-	-	-20	
-	396	-	-	-8	-	-55	-	-53	-	486	-	-3,021	
-	-	-	-	-	-	5	-	-	-	-	-	88	
-443	-517	58	-	-85	350	-1,388	-	-269	1,294	-7,262	-560	-10,807	
-14	-10	-90	-	17	-40	-376	-	-111	-98	-1,224	-	-2,269	
-	-	-	-4	-6	19	-	-	-190	-	85	-	-870	
-	23	-36	-	-	-6	-	-	-75	-47	-297	-	-688	
-18	2	-	-	-	-2	-	-	15	-953	85	-	-726	
124	56	-30	-	2	-	180	-	-174	878	1,302	-	1,206	
34	4	-8	-	-5	-23	129	-	-85	-299	-612	-	-1,778	
55	61	-2	-	-0	-7	31	-	-23	-86	-315	-	-445	
158	36	18	-	-2	-2	-	-	-	-	-68	-	-148	
-	-1,132	-0	-	-	-	-6,362	-	-273	-	-3,109	-	-6,993	
-	-	-	-	-	-194	-89	-	-	-	35	-	-248	
80	-1,452	-381	-4	23	93	-5,938	-	-2,527	825	-5,393	-1,014	-25,468	

3.22.7 Power Generation Capacity Table

Power Generation Capacity - Total

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Australia	24,141	32,450	33,228	34,446	34,819	35,000	34,435	33,884	34,539
Brunei Darussalam	148	268	285	387	387	334	334	336	386
Canada	81,999	97,019	100,074	101,273	101,055	101,960	102,947	104,631	108,090
Chile	2,940	3,967	3,987	4,033	4,015	4,079	4,079	4,809	4,809
China	65,869	87,053	93,818	102,897	115,497	126,638	137,891	151,473	166,533
Hong Kong, China	3,342	5,580	5,953	6,614	7,453	7,456	8,342	8,387	8,932
Indonesia	2,554	5,635	6,000	7,238	8,531	9,089	9,275	9,356	10,853
Japan	143,698	169,398	173,809	179,107	181,708	186,232	194,730	200,255	205,133
Republic of Korea	9,391	16,137	18,061	19,021	19,945	20,998	21,021	21,110	24,120
Malaysia	2,334	4,443	5,387	5,214	5,512	5,792	5,582	5,541	6,700
Mexico	14,625	20,807	21,266	23,145	23,954	24,445	28,267	30,070	30,453
New Zealand	6,112	7,532	7,732	7,597	7,684	7,662	7,640	7,258	7,592
Papua New Guinea	313	491	456	469	485	490	490	490	490
Peru	3,140	3,682	3,914	3,939	4,107	4,112	4,143	4,187	4,152
Philippines	4,478	6,222	6,503	6,545	6,640	6,863	6,869	6,789	6,695
Russia	168,200	195,800	198,100	204,700	208,400	211,200	213,400	212,900	213,000
Singapore	2,010	2,571	2,821	3,451	3,451	3,451	3,667	4,173	4,553
Chinese Taipei	9,056	15,970	16,595	16,589	16,589	16,594	16,883	18,383	19,234
Thailand	3,448	6,705	6,785	6,985	6,997	7,366	8,725	9,707	11,732
United States of America	578,600	655,182	664,781	674,075	677,647	684,616	733,589	741,492	751,811
Viet Nam	1,185	1,500	1,600	1,700	1,800	1,900	2,537	2,987	3,348

Power Generation Capacity - Thermal Power

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Australia	18,038	25,537	26,199	27,302	27,558	27,784	27,174	26,622	27,133
Brunei Darussalam	148	268	285	387	387	334	334	336	386
Canada	28,363	30,475	30,979	30,800	30,526	30,892	31,174	31,324	32,415
Chile	1,470	1,700	1,706	1,754	1,760	1,789	1,789	1,738	1,738
China	45,551	60,638	66,276	72,704	82,799	92,055	101,845	113,589	125,852
Hong Kong, China	3,342	5,580	5,953	6,614	7,453	7,456	8,342	8,387	8,932
Indonesia	2,176	4,540	4,930	5,586	6,421	6,976	7,040	7,100	8,535
Japan	98,071	110,161	112,265	114,675	115,551	119,304	124,984	127,452	130,745
Republic of Korea	7,647	11,048	11,070	11,073	11,043	11,043	11,065	11,050	14,006
Malaysia	1,721	3,121	3,961	3,788	4,085	4,371	4,185	4,144	5,155
Mexico	8,483	13,850	14,199	14,949	15,505	15,984	19,012	20,682	20,975
New Zealand	1,852	2,668	2,814	2,675	2,676	2,627	2,627	2,246	2,247
Papua New Guinea	213	366	316	329	325	335	335	335	335
Peru	1,273	1,515	1,698	1,721	1,731	1,741	1,744	1,730	1,701
Philippines	3,089	3,366	3,271	3,325	3,440	3,661	3,661	3,746	3,550
Russia	122,400	137,300	139,200	143,200	145,700	147,900	149,700	149,400	148,400
Singapore	2,010	2,571	2,821	3,451	3,451	3,451	3,667	4,173	4,553
Chinese Taipei	6,398	8,337	8,887	8,887	8,887	8,887	9,177	10,677	11,526
Thailand	2,178	4,701	4,689	4,729	4,729	5,095	6,451	7,252	9,273
United States of America	444,181	485,305	488,682	489,278	491,001	494,382	536,667	543,335	551,631
Viet Nam	890	1,000	1,080	1,160	1,240	1,320	1,362	1,313	1,677

Power Generation Capacity - Total (Continued)

MW

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
34,539	37,251	38,116	38,369	38,699	39,386	40,715	42,851	44,499	47,210	46,135	50,548
386	475	650	707	707	769	770	763	761	761	860	874
108,783	113,786	115,505	105,176	105,760	109,870	105,859	102,499	107,238	111,949	102,784	113,400
4,809	5,504	5,577	6,715	7,546	7,546	9,941	10,372	10,912	11,433	11,474	11,562
182,910	199,897	217,225	236,540	254,238	277,289	298,768	319,321	338,000	353,000	382,120	NA
9,037	10,323	10,096	10,092	10,876	11,312	11,312	11,568	11,568	11,606	11,683	9,703
13,569	14,514	14,970	16,109	18,946	20,581	20,592	20,762	21,039	21,112	21,206	21,455
213,033	220,898	226,995	233,737	242,445	250,290	253,544	258,838	261,730	266,129	268,287	272,701
27,654	28,762	32,184	35,715	41,042	43,406	46,978	48,451	50,859	53,801	54,673	64,467
6,857	9,000	10,600	12,500	13,541	13,606	12,696	13,762	14,813	15,671	20,119	24,634
32,020	34,469	35,859	37,615	38,125	38,513	38,994	40,519	43,537	45,818	50,048	51,863
7,865	7,924	7,915	7,938	7,900	8,103	8,882	8,301	8,042	7,848	7,951	7,433
490	490	490	490	502	539	543	543	543	543	543	272
4,371	4,371	4,520	4,682	5,021	5,516	5,742	6,070	5,907	5,936	5,970	6,016
8,014	9,212	9,696	11,190	11,725	12,067	12,341	13,185	13,402	14,702	15,124	15,548
213,400	214,900	215,000	214,500	214,200	213,411	205,411	214,011	212,768	214,860	215,998	216,647
4,553	4,553	4,678	5,255	5,765	5,665	5,665	6,610	7,522	7,295	7,828	9,509
19,354	20,983	21,898	23,763	25,735	25,743	25,743	27,385	27,434	31,916	34,761	41,958
12,734	12,990	14,757	16,143	17,261	17,508	18,741	20,802	20,929	22,227	22,720	25,907
760,687	771,076	776,333	783,112	785,857	784,589	800,095	812,593	914,124	975,221	1,031,692	1,049,612
4,124	4,377	4,499	4,615	4,869	5,677	5,588	6,192	8,242	8,542	9,002	11,273

Power Generation Capacity - Thermal Power (Continued)

MW

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
27,133	29,810	30,648	30,901	31,196	31,891	33,342	34,155	35,889	40,028	37,778	40,756
386	475	650	707	707	769	770	763	761	761	860	874
31,219	32,984	33,307	30,579	31,163	35,273	27,246	23,886	28,625	33,336	22,930	33,100
1,738	2,247	2,246	2,928	3,721	3,721	5,914	6,244	6,781	6,987	6,989	6,688
138,020	148,736	162,941	178,860	192,408	209,884	223,434	237,540	252,800	264,200	286,740	NA
9,037	10,323	10,096	10,092	10,876	11,312	11,312	11,568	11,568	11,606	11,683	9,703
11,195	12,030	12,482	13,616	16,147	17,214	17,218	17,386	17,573	17,577	17,659	17,876
132,851	138,049	141,665	146,074	152,202	159,054	161,869	166,648	168,729	172,889	174,721	177,472
17,534	18,641	20,475	23,005	27,611	28,259	30,114	31,586	33,267	34,209	35,081	43,834
5,280	7,340	8,840	10,268	11,516	11,502	10,882	11,708	12,695	13,565	18,004	22,337
22,427	23,909	24,457	25,516	26,019	26,677	27,230	28,648	31,680	33,956	38,055	38,954
2,247	2,252	2,402	2,422	2,232	2,422	2,935	2,612	2,272	2,135	2,159	1,247
335	335	335	335	280	317	319	319	319	319	319	109
1,921	1,921	2,053	2,138	2,524	2,943	3,068	3,210	2,940	2,938	3,032	2,905
4,737	5,885	6,275	7,444	7,536	7,907	8,123	8,953	8,953	10,253	10,325	10,399
148,800	149,700	149,700	149,100	149,000	148,400	140,000	148,900	146,670	147,213	147,955	148,316
4,553	4,553	4,678	5,255	5,765	5,665	5,665	6,610	7,522	7,160	7,368	9,509
11,634	12,191	12,571	14,331	16,303	16,311	16,311	17,819	17,868	22,261	25,106	31,619
10,264	10,425	12,019	13,234	14,339	14,584	15,817	17,865	17,992	19,290	19,746	20,240
557,794	567,058	571,659	579,687	582,455	583,884	597,658	610,124	706,012	768,337	820,364	837,119
1,727	1,660	1,633	1,749	2,003	2,811	2,726	2,900	4,114	4,414	4,874	7,145

Power Generation Capacity - Hydro Power

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Australia	6,103	6,913	7,029	7,144	7,261	7,216	7,261	7,262	7,406
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Canada	47,770	55,880	57,731	57,945	57,936	58,465	58,701	60,235	61,668
Chile	1,470	2,267	2,281	2,279	2,255	2,290	2,290	3,071	3,071
China	20,318	26,415	27,542	30,193	32,698	34,583	36,046	37,884	40,681
Hong Kong, China	-	-	-	-	-	-	-	-	-
Indonesia	378	1,065	1,040	1,512	1,970	1,973	2,095	2,115	2,178
Japan	29,776	34,337	35,698	36,386	37,291	37,483	37,831	39,118	39,523
Republic of Korea	1,157	2,223	2,225	2,232	2,236	2,339	2,340	2,444	2,498
Malaysia	613	1,322	1,426	1,426	1,427	1,421	1,397	1,397	1,545
Mexico	5,992	6,532	6,532	7,546	7,749	7,761	7,880	7,993	8,068
New Zealand	4,022	4,593	4,649	4,649	4,649	4,647	4,626	4,619	4,949
Papua New Guinea	100	125	140	140	160	155	155	155	155
Peru	1,868	2,166	2,216	2,219	2,375	2,371	2,400	2,457	2,451
Philippines	943	1,962	2,147	2,142	2,139	2,147	2,153	2,155	2,257
Russia	37,500	41,500	41,900	42,300	42,500	43,100	43,400	43,300	43,400
Singapore	-	-	-	-	-	-	-	-	-
Chinese Taipei	1,386	1,489	1,564	1,558	1,558	1,563	1,562	1,562	2,564
Thailand	1,270	2,004	2,096	2,256	2,268	2,271	2,274	2,455	2,459
United States of America	81,700	88,900	89,300	89,665	90,284	90,467	92,360	93,618	96,059
Viet Nam	250	450	470	490	510	530	1,176	1,674	1,671

Power Generation Capacity - Nuclear Power

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Australia	-	-	-	-	-	-	-	-	-
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Canada	5,866	10,664	11,364	12,528	12,593	12,603	13,052	13,052	13,987
Chile	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Hong Kong, China	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	15,689	24,686	25,846	28,046	28,866	29,445	31,645	33,404	34,584
Republic of Korea	587	2,866	4,766	5,716	6,666	7,616	7,616	7,616	7,616
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	675	675	675
New Zealand	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-
Russia	8,300	17,000	17,000	19,200	20,200	20,200	20,300	20,200	21,200
Singapore	-	-	-	-	-	-	-	-	-
Chinese Taipei	1,272	5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144
Thailand	-	-	-	-	-	-	-	-	-
United States of America	51,810	79,397	85,241	93,583	94,695	98,161	99,643	99,609	99,005
Viet Nam	-	-	-	-	-	-	-	-	-

Power Generation Capacity - Hydro Power (Continued)

MW

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
7,406	7,441	7,466	7,466	7,501	7,491	7,370	7,691	7,691	6,219	7,380	9,230
-	-	-	-	-	-	-	-	-	-	-	-
62,101	63,953	64,770	61,379	61,379	61,379	62,722	62,722	62,722	62,722	63,953	66,400
3,071	3,257	3,331	3,787	3,825	3,825	4,027	4,128	4,131	4,157	4,165	4,726
44,890	49,061	52,184	55,580	59,730	65,065	72,971	79,352	82,700	84,550	88,710	NA
-	-	-	-	-	-	-	-	-	-	-	-
2,178	2,178	2,180	2,184	2,436	3,007	3,014	3,015	3,106	3,155	3,168	3,199
42,514	41,932	43,455	44,407	44,462	45,382	45,860	46,325	46,387	46,545	46,781	46,803
2,504	2,505	3,093	3,094	3,115	3,131	3,148	3,149	3,876	3,876	3,877	3,879
1,577	1,660	1,760	2,232	2,025	2,104	1,814	2,054	2,119	2,106	2,115	2,095
8,171	9,121	9,329	10,034	10,034	9,703	9,633	9,634	9,636	9,635	9,650	10,565
5,222	5,277	5,120	5,120	5,158	5,159	5,546	5,176	5,260	5,245	5,316	5,344
155	155	155	155	222	222	224	224	224	224	224	163
2,451	2,451	2,467	2,544	2,497	2,572	2,673	2,860	2,966	2,996	2,937	3,056
2,259	2,254	2,258	2,300	2,303	2,304	2,304	2,301	2,518	2,518	2,867	3,217
43,400	44,000	44,000	44,100	43,900	43,700	44,100	43,900	44,345	44,828	45,221	45,531
-	-	-	-	-	-	-	-	-	-	-	-
2,576	3,648	4,183	4,288	4,288	4,288	4,288	4,422	4,422	4,511	4,511	4,512
2,470	2,565	2,738	2,909	2,922	2,923	2,923	2,936	2,936	2,936	2,973	3,476
98,651	99,728	100,060	97,660	98,832	98,560	99,062	98,881	95,844	93,994	96,352	96,699
2,397	2,717	2,866	2,866	2,866	2,866	2,862	3,292	4,128	4,128	4,128	4,128

Power Generation Capacity - Nuclear Power (Continued)

MW

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
15,437	15,857	16,393	13,195	13,195	13,195	15,857	15,857	15,857	15,857	15,857	12,800
-	-	-	-	-	-	-	-	-	-	-	-
-	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	3,700	6,190	NA
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
37,361	40,531	41,356	42,712	45,248	45,248	45,248	45,248	45,907	45,907	45,742	47,122
7,616	7,616	8,616	9,616	10,316	12,016	13,716	13,716	13,716	15,716	15,716	16,716
-	-	-	-	-	-	-	-	-	-	-	-
675	675	1,309	1,309	1,309	1,368	1,365	1,365	1,365	1,365	1,365	1,365
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
21,200	21,200	21,300	21,300	21,300	21,300	21,300	21,200	21,730	22,742	22,742	22,742
-	-	-	-	-	-	-	-	-	-	-	-
5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144	5,144
-	-	-	-	-	-	-	-	-	-	-	-
99,061	99,148	99,515	100,784	99,716	97,070	97,557	97,860	104,933	104,933	105,415	105,560
-	-	-	-	-	-	-	-	-	-	-	-

Power Generation Capacity - Others

	1980	1985	1986	1987	1988	1989	1990	1991	1992
Australia	-	-	-	-	-	-	-	-	-
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	20	20	20
Chile	-	-	-	-	-	-	-	-	-
People's Republic of China	-	-	-	-	-	-	-	-	-
Hong Kong, China	-	-	-	-	-	-	-	-	-
Indonesia	-	30	30	140	140	140	140	140	140
Japan	162	214	-	-	-	-	270	281	281
Republic of Korea	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	150	425	535	650	700	700	700	720	735
New Zealand	238	271	269	273	359	388	387	393	396
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Philippines	446	894	1,085	1,078	1,061	1,055	1,055	888	888
Russia	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Chinese Taipei	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	-
Thailand	-	-	-	-	-	-	-	-	-
United States of America	909	1,580	1,558	1,549	1,667	1,606	4,919	4,930	5,116
Viet Nam	45	50	50	50	50	50	-	-	-

Power Generation Capacity - Others (Continued)

MW

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
-	-	2	2	2	3	3	1,006	919	963	977	562
-	-	-	-	-	-	-	-	-	-	-	-
26	992	1,035	23	23	23	34	34	34	34	44	1,100
-	-	-	-	-	-	-	-	-	289	320	148
-	-	-	-	-	241	263	329	400	550	480	NA
-	-	-	-	-	-	-	-	-	-	-	-
195	305	308	309	363	360	360	360	360	380	380	380
307	386	519	544	533	606	567	617	707	788	1,043	1,304
-	-	-	-	-	-	-	-	-	-	-	38
-	-	-	-	-	-	-	-	-	-	-	202
747	764	764	756	763	765	766	872	856	862	978	979
396	396	394	396	509	522	401	513	510	468	475	842
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	0	0	0	1	1	1	1	1	55
1,018	1,073	1,163	1,446	1,886	1,856	1,914	1,931	1,931	1,931	1,932	1,932
-	-	-	-	-	11	11	11	23	77	80	58
-	-	-	-	-	-	-	-	-	135	460	-
-	-	-	-	-	-	-	-	-	-	-	683
-	-	-	-	-	1	1	1	1	1	1	2,191
5,181	5,142	5,099	4,981	4,854	5,075	5,818	5,728	7,335	7,957	9,561	10,234
-	-	-	-	-	-	-	-	-	-	-	-

Appendices

A. Definition of Energy Products and Flows

1. Coal
2. Oil
3. Natural Gas
4. Electricity and Heat
5. New and Renewable Energy

B. Energy Prices

C. Definition of Columns and Rows of the Energy Balance Table

D. Conversion Factors

A. Definition of Energy Products and Flows

COAL

DEFINITIONS OF PRODUCTS

1. Coking Coal

Coal with a quality that allows the production of a coke suitable to support a blast furnace charge and its gross calorific value greater than 23.9 MJ/kg (5,700 kcal/kg) on an ash-free but moist basis and a mean random reflectance of vitrinite of least 0.6. The following coal classification codes cover those coals, which would fall in this category:

- International classification codes(323, 333, 334, 423, 433, 434, 435, 523, 533)
- (UN, Geneva, 1956) 534, 535, 623, 633, 634, 635, 723, 733, 823
- USA classification Class II Group 2 "Medium Volatile Bituminous".
- British classification Classes 202, 203, 204, 301, 302, 400, 500, 600
- Australian classification Classes 4A, 4B, 5

2. Anthracite

Coal used for steam raising and space heating purposes and is not included under Coking Coal.

3. Other Bituminous Coal

Coal used for steam raising and space heating purposes and is not included under Coking Coal. The gross calorific value is greater than 23.9 MJ/kg to (5,700 kcal/kg) on an ash-free but moist basis and a mean random reflectance of vitrinite of least 0.6.

4. Sub-Bituminous Coal

Non-agglomerating coals with a gross calorific value between 17.4 MJ/kg (4,165 kcal/kg) and 23.9 MJ/kg

(5,700 kcal/kg) containing more than 31% volatile matter on a dry mineral matter free basis.

5. Lignite/Brown Coal

Non-agglomerating coals with a gross calorific value less than 17.4 MJ/kg (4,165 kcal/kg) and greater than 31% volatile matter on a dry mineral matter free basis. Oil shale and tar sands produced and combusted directly should be reported in this category. Oil shale and tar sands used as inputs for other transformation processes should also be reported in this category. This includes the portion of the oil shale or tar sands consumed in the transformation process. Shale oil and other products derived from liquefaction should be reported on the Annual Oil Questionnaire.

6. Peat

Combustible soft, porous or compressed, fossil sedimentary deposit of plant origin with high water content (up to 90 per cent in the raw state), easily cut, of light to dark brown color. Only peat used for energy purposes should be reported here.

7. Patent Fuel

A composition fuel manufactured from hard coal fines by shaping with the addition of a binding agent. Note that the amount of patent fuel produced can be slightly higher than the amount of coal consumed in the transformation process because of 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 carbonization of coal, principally coking coal, at high temperature, it is low in moisture and volatile matter. Coke oven coke is used mainly in the iron and steel industry acting as energy source and chemical agent. Coke breeze and foundry coke are included in this category. Semi-coke, the solid product obtained from carbonization of coal at low temperature, should be included in this category. Semi-coke is used as a domestic fuel or by the transformation plant itself. This heading also includes coke, coke breeze and semi-coke made from lignite/brown coal.

- **Gas Coke:** A by-product of hard coal used for production of town gas in gas works. Gas Coke is used for heating purposes.

9. Coal Tar

Coal tar is a by-product of the coke oven process.

10. BKB/PB (Braunkohlenbriketts/Peat Briquettes)

A composition fuel manufactured from lignite/brown coal or peat. The lignite/brown coal or peat is crushed, dried and molded under high pressure into an even-shaped briquette without the addition of binders. German production of lignite dust is included in this category.

11. Gas Works Gas

Covers all types of gases including substitute natural gas produced in public utility or private plants, whose main purpose is manufacture, transport and distribution of gas. It includes gas produced by carbonization (including gas produced by coke ovens and transferred to gas works gas) reported under the "production" row, by total gasification with or without enrichment with oil products (LPG, residual fuel oil, etc.), by cracking of natural gas,

and by reforming and simple mixing of gases and/or air, reported under the "from other sources" row. Substitute natural gas is a high calorific value gas, manufactured by chemical conversion of a hydrocarbon fossil fuel. It is chemically and physically interchangeable with natural gas and is usually distributed through the natural gas grid. The main raw materials for manufacture of substitute natural gas are: coal, oil and oil shales. Substitute natural gas is distinguished from other manufactured gases by its high heat value (above 8,000 kcal/m³) and by its high methane content (above 85%). Substitute natural gas produced by synthesis from fuels other than coal based should also come under "from other sources". The quantity of fuel should be reported on a gross calorific value.

12. Coke Oven Gas

Obtained as a by-product of solid fuel carbonization and gasification operations carried out by coke producers and iron and steel plants which are not connected with gas works and municipal gas plants. The quantity of fuel should be reported on a gross calorific value.

13. Blast Furnace Gas

Obtained as a by-product in operating blast furnaces; it is recovered on leaving the furnaces and used partly within the plant and partly in other steel industry processes or in power stations equipped to burn it. The quantity of fuel should be reported on a gross calorific value.

14. Oxygen Steel Furnace Gas

Obtained as a by-product of the production of steel in an oxygen furnace; it is recovered on leaving the furnace. The gas is also known as converter gas, LD or BOS gas. The quantity of fuel should be reported on a **gross** calorific value.

DEFINITIONS OF FLOWS

TABLE 1 - SUPPLY SECTOR

1. **Production:** Report the quantities of fuels extracted or produced, calculated after any operation for removal of inert matter. In general, production includes the quantities consumed by the producer in the production process (e.g. for heating or operation of equipment and auxiliaries) as well as supplies to other producers of energy for transformation or other uses.

Production of primary coal products should be classified into:

 - **of which underground:** Report the quantity of underground mining output.
 - **of which surface:** Report the quantity of surface or open-cast mining production.
2. **From Other Sources**
 - of which recovered slurries:** Report under hard coal, for example, recovered slurries, middling and other low grade coal products which cannot be classified according to type of coal. This includes coal recovered from waste piles and other waste receptacles.
 - of which from Oil:** Quantities of Gas Works Gas produced from oil-based fuels.
3. **Imports and exports:** Report the quantity of fuels obtained from or supplied to other countries. Amounts are considered as imported or exported when they have crossed political boundary of the country, whether customs clearance has taken place or not. The amount of fuels in transit (that is, on route through the country) should not be included.
4. **International Marine Bunkers:** Report the quantities of fuels delivered to sea-going ships of all flags. Consumption of warships should be included in Final Consumption under Other Sector, Not Elsewhere Specified. Consumption by ships engaged in transport in inland and coastal waters is not included. Consumption by fishing vessels should be reported in Fishing under Other Sector.
5. **Stock Changes:** Report the difference between the opening stock level and closing stock level for stocks held on national territory. A stock build is shown as a negative number and a stock draw is shown as a positive number.
6. **Gross Inland Deliveries (calculated):** Defined as: indigenous production + from other sources + imports - exports - (international marine) bunkers and \pm stock changes.
7. **Statistical differences:** Report the difference between the calculated gross inland deliveries (as defined above) and the observed gross inland deliveries. This item may include changes in stocks at final consumers when this cannot be specified as part of Item 7: "Changes in stocks". Reasons for any major differences should be stated in the section provided for comments.
8. **Gross Inland Deliveries (observed):** Defined as: input into transformation sector + consumption in energy and final consumption sectors.
9. **Total stocks on national territory:** All stocks on national territory, including stocks held by governments, by major consumers or by stockholding organizations, stocks held on board incoming ocean vessels, stocks held in bonded areas and stocks held for others, whether under bilateral government agreement or not.

TABLE 2 - TRANSFORMATION and ENERGY SECTORS**I. TRANSFORMATION SECTOR**

This sector represents quantities of fuels transformed to obtain derived energy products. In Table 2, however, only the inputs to transformation processes are reported and are reported as positive numbers. The outputs in transformation are reported in Table 1.

The Transformation sector is divided into the following sub-sectors:

1. **Patent fuel plants:** Report quantities of hard coal used to produce patent fuel.
2. **Coke ovens:** Report quantities of coking coal, coal breeze and lignite/brown coal used in coke ovens. Coal products used for heating and operation of equipment should not be reported here, but reported as consumption in the Energy sector.
3. **Gas works plants:** Report quantities of coal, coal products, coke oven gas and substitute natural gas used to produce gas in gas works and gasification plants. Products used for heating and operation of equipment should not be included here, but reported as consumption in the Energy sector.
4. **Natural Gas Blending Plants:** Plants where the calorific value of natural gas for distribution is adjusted through blending with gases from oil and/or coal. Reports quantities of coal and coal products blended with natural gas.
5. **Blast furnaces:** Report actual quantities of coking coal and/or bituminous coal (generally referred to as PCI) and coke oven coke transformed in blast furnaces. To avoid double counting, fuels used in blast furnaces, such as blast furnace gas, should be reported in the energy sector.
6. **BKB/PB:** Report the quantity of lignite/brown coal used for the production of BKB, and the quantity of peat for peat briquettes (PB).

7. Electricity and Heat Production**By Main Activity Producer¹**

- **Electricity plants** – refers to plants that produce electricity only either owned by public or private utilities. Report quantities of fuels used to generate electricity. (Fuels used by plants containing at least one CHP unit are to be reported under *Public CHP*.)
- **Combined Heat and Power (CHP) plants** – plants that produce both electricity and heat for sale to third parties. Report quantities of fuels used to generate electricity and/or heat.
- **Heat plants** – plants that produce heat for sale to third parties. Report quantities of fuels used to generate heat.

By Auto-producer²

- **Electricity plants** – refers to plants that generate electricity only but wholly or partly for their own use as an activity which supports their primary activity. Report quantities of fuels used. (Fuels used by plants containing at least one CHP unit are to be reported under *Auto-producer CHP*.)
- **Combined Heat and Power (CHP) plants** - Report quantities of fuels that correspond to the quantity of electricity and heat sold.
- **Heat plants** - Report quantities of fuels that correspond to the quantity of heat sold.

8. **Liquefaction plants:** Report quantities of coal used to produce synthetic oil.

¹ Main activity producer generates electricity and/or heat for sale to third parties, as their primary activities. They may be privately or publicly owned. The sale need not take place through the grid.

² Auto-producer is electricity and/or heat producer, wholly or partly for its own use. It may be privately or publicly owned.

II. ENERGY SECTOR

Report fuels used by the energy industry to support the extraction (mining, oil and gas production) or transformation activity. 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.

The Energy sector covers ISIC and NACE Divisions 10, 11, 12, 23 and 40. 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:

1. **Coal mines:** Report coal consumed to support the extraction and preparation of coal within the coal mining industry. Coal burned in pithead power stations should be reported in the Transformation sector.
2. **Patent fuel plants:** Report fuel consumed in the

course of its own production of patent fuel.

3. **Coke ovens:** Report consumption of fuels at the coking plant.
4. **Gas works plants:** Report consumption of fuels at the gas works and gasification plants.
5. **Natural Gas Blending Plants:** Reports quantities of fuel used to operate natural gas blending plants.
6. **Blast furnaces:** Report consumption of fuels used in operating the furnace.
7. **BKB/PB plants:** Report consumption of by BKB/PB by briquetting plants.
8. **Petroleum refineries:** Report consumption of fuels in refineries.
9. **Electricity, CHP and Heat plants:** Report consumption of fuels in electricity plants, combined heat and power plants (CHP) and heat plants.
10. **Liquefaction plants (Coal to Oil) :** Report quantities of fuels used to in the production of synthetic oil.
11. **Not elsewhere specified:** Report here consumption for other purposes not reported above.
12. **Distribution losses:** Report all losses which occur due to transport and distribution.

TABLE 3 - FINAL CONSUMPTION SECTOR.

Final Energy Consumption = Total Industry + Total Transport + Total Others

I. INDUSTRY SECTOR

Report fuels consumed by the industrial undertaking in support of its primary activities. Report quantities of fuels consumed in heat only or CHP plants for the production of heat used by the plant itself. Quantities of fuels consumed for the production of heat that is sold, and for the production of electricity should be reported under the appropriate Transformation sector.

1. **Iron and Steel:** ISIC Group 271 and Class 2731. 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. (NACE Divisions 27.1, 27.2, 27.3, 27.51, and 27.52).
2. **Chemical including petrochemical:** ISIC Division 24 (NACE Division 24).
 - Includes manufacture of basic chemicals (ISIC 241)
 - Other chemical products (ISIC 242)
 - Man-made fibers (ISIC 243)
3. **Non-ferrous Metals:** ISIC Group 272 and Class 2732. (NACE Division 27.4, 27.53 and 27.54).
 - Manufacture of precious and non-ferrous metals (ISIC 272)
 - Casting of non-ferrous metals (2732)
4. **Non-metallic Minerals Products:** ISIC Division 26. Report glass, ceramic, cement and other building materials industries. (NACE Division 26).
 - Manufacture of glass and glass products (ISIC 261)
 - Non-metallic mineral products (ISIC 262) such as ceramics, tiles, baked clay products and cement
5. **Transport Equipment:** ISIC Division 34 and 35. (NACE Division 34 and 35).
 - Manufacture of motor vehicles (ISIC 341)
 - bodies for motor vehicles and semi trailers (ISIC 342)
 - Parts and accessories for motor vehicles (ISIC 343).
 - Shipbuilding and repair (ISIC 345)
 - Railway and tramway locomotives (ISIC 352)
 - Aircraft and spacecrafts (ISIC 353)
 - Transport equipment not elsewhere classified (ISIC 359)
6. **Machinery:** Report fabricated metal products, machinery and equipment other than transport equipment. ISIC Division 28, 29, 30, 31 and 32. (NACE Division 28, 29, 30, 31 and 32)
 - Structural metal products (ISIC 281)
 - Other fabricated metal products (ISIC 289)
 - General purpose machinery (ISIC 291)
 - Special purpose machinery (ISIC 292)
 - Domestic appliances (ISIC 293)
 - Office, accounting and computing machinery (ISIC 300)
 - Electric motors, generators and transformers (ISIC 311)
 - Electricity distribution and control apparatus (ISIC 312)
 - Insulated wire & cable (ISIC 313)
 - Accumulators, primary cells and batteries (ISIC 314)
 - Electric lamps and lighting equipment (ISIC 321)

- 315)
- Other electrical equipment (ISIC 319)
 - Electric valve, tubes and other conductors (ISIC 321)
 - Television and radio transmitters (ISIC 322)
 - Television and radio receivers, sound or video recording reproducing apparatus and associated goods (ISIC 323)
7. **Mining (excluding energy producing industries) and Quarrying:** ISIC Divisions 13 and 14. (NACE Divisions 13 and 14)
- 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)
8. **Food Processing, Beverages and Tobacco:** ISIC Division 15 and 16. (NACE Divisions 15, 16)
- Production, processing and preservation of meat, fish, fruit, vegetables (ISIC 151)
 - Manufacture of dairy products (ISIC 152)
 - Manufacture of grain mill products, starches and starch products and animal feeds (ISIC 153)
 - Manufacture of other food products (ISIC 154)
 - Manufacture of beverages (ISIC 155)
 - Manufacture of tobacco products (ISIC 160)
9. **Pulp, Paper and Printing:** ISIC Division 21 and 22. (NACE 21, 22) Includes production of recorded media.
- Paper and paper products (ISIC 210)
 - Publishing (ISIC 221)
 - Printing and printing related activities (ISIC 222)
 - Reproduction of recorded media (ISIC 223)
10. **Wood and Wood products (other than pulp and paper):** ISIC Division 20. (NACE Division 20)
- Sawmill and planing of wood (ISIC 201)
 - Wood products, cork, straw and plaiting materials (ISIC 202)
11. **Construction:** ISIC Division 45. (NACE Division 45)
- Site preparation (ISIC 451)
 - Building of complete construction (ISIC 452)
 - Building installation (ISIC 453)
 - Building completion (ISIC 454)
 - Renting of construction or demolition equipment (ISIC 455)
12. **Textile and Leather:** ISIC Divisions 17, 18 and 19. (NACE Divisions 17, 18, 19)
- Spinning, weaving and finishing of textiles (ISIC 171)
 - Manufacture of other textiles (ISIC 172)
 - Manufacture of knitted and crocheted fabrics and articles (ISIC 173)
 - Manufacture of wearing apparel except fur apparel (ISIC 181)
 - Dressing and dyeing of fur; manufacture of articles of fur (ISIC 182)
13. **Not elsewhere specified:** If your country's industrial classification of fuels consumption does not correspond to the above ISIC or NACE codes, please estimate the breakdown by industry and include in "Not elsewhere specified" only consumption in sectors which is not covered above. ISIC Division 25, 33, 36 and 37. (NACE Divisions 25, 33, 36 and 37)
- Rubber products (ISIC 251)
 - Plastic products (ISIC 252)
 - Medical appliances and instruments (ISIC 331)
 - Optical instruments and photographic equipment (ISIC 332)
 - Watches and clocks (ISIC 333)
 - Furniture (ISIC 361)
 - Others manufacturing not elsewhere classified

(ISIC 369)

- Recycling of metal waste and scrap (ISIC 371)
- Recycling of non-metal waste and scrap (ISIC 372)

II. TRANSPORT SECTOR

Report fuels used in all transport activities irrespective of the economic sector in which the activity occurs. Report fuels consumed in the following ISIC and NACE categories: Divisions 60, 61 and 62.

1. **Rail:** Report all consumption for use in rail traffic, including industrial railways.
2. **Inland waterways:** Report all consumption on inland waterways and by coastal shipping. For example: small craft, barges, and those coastal ships which are not included in International Marine Bunkers.

III. OTHER SECTOR

1. **Commercial and Public Services:** Report fuels consumed by business and offices in the public and private sectors. ISIC Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99. (NACE Divisions 50, 51, 52, 41, 55, 63, 64, 65, 66, 67, 70, 71, 72, 74, 75, 80, 85, 90, 91, 92, 93, 99).
2. **Residential:** Report fuels consumed by all households including "households with employed persons." ISIC Division 95 (NACE Division 95).
3. **Agriculture:** Report fuels consumed by users classified as agriculture, hunting and forestry by ISIC as follows: ISIC Divisions 01 and 02. (NACE 01 and 02)
4. **Fishing:** Report fuels consumed in aquaculture and

fisheries. Includes ocean, coastal and inland fishing. ISIC Division 05 and NACE 05.

This class includes: fishing on a commercial basis in ocean, coastal or inland waters; taking of marine and freshwater crustaceans and mollusks; whale catching; hunting of aquatic animals: turtles, sea squirts, tunicates, sea urchins etc.

This class also includes: activities of vessels engaged both in fishing, and in processing and preserving of fish; gathering of marine materials: natural pearls, sponges, coral and algae; and service activities incidental to fishing

5. **Not elsewhere specified:** Report activities not included elsewhere, please specify. This category includes military use.

MEMO Item for Non-energy use

Report energy products used as raw materials in the different sectors; that is, not consumed as a fuel or transformed into another fuel. Report the Non-energy use by Sector.

- **Industry, Transformation and Energy Sectors** Non-energy use in all Industry, Transformation and Energy sub-sectors. Report here, for instance, coal used to make methanol or ammonia.
- **Of which: Chemical (incl. the petrochemical sector)** - Non-energy use of coal includes uses as feedstocks to produce fertilizer 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.

TABLES 4a & 4b - CONVERSION FACTORS

Please report both *gross* and *net* calorific values in kilocalories per kilogram (kcal/kg). Net data will be used for calculating the conversion factors for the historical and forecast Energy Balances. Where only net values are available, please calculate *gross* by adding

5% to the net value. If calorific values are reported in other units, please indicate what units are used.

If detailed information on calorific values for each flow is not available, please report an average value.

Conversion Factors for Calorific Values:

1 Megajoule (MJ)	=	2.38846x10 ² kilocalories (kcal)
	=	9.47817x10 ² British Thermal Unit (BTU)
1 kcal	=	4.18605x10 ⁻³ MJ
	=	3.96832 BTU
1 BTU	=	1.05506x10 ⁻³ MJ
	=	2.51996x10 ⁻¹ kcal

OIL

DEFINITIONS OF CRUDE OIL AND PRODUCTS

Please note: in the definitions, petrochemical feedstocks refer to all oil products which are used as raw material in the petrochemical industry for steamcracking, aromatics plants, e.g. naphtha, LPG, light and heavy gasoil, reformate, etc.

1. Crude Oil

Crude oil is a mineral oil of natural origin comprising a mixture of hydrocarbons and associated impurities, such as sulphur. It exists in the liquid phase under normal surface temperature and pressure and its physical characteristics (density, viscosity, etc.) are highly variable. This category includes field or lease condensate recovered from associated and non-associated gas where it is commingled with the commercial crude oil stream.

2. Natural Gas Liquids (NGL)

NGL are liquid or liquefied hydrocarbons recovered from natural gas in separation facilities or gas processing plants. Natural gas liquids include ethane, propane, butane (normal and iso-), (iso) pentane and pentanes plus (sometimes referred to as natural gasoline or plant condensate).

3. Refinery Feedstocks

A refinery feedstock is a processed oil destined for further processing (e.g. straight run fuel oil or vacuum gas oil) excluding blending. With further processing, it will be transformed into one or more components and/or finished products. This definition also covers returns from the petrochemical industry to the refining industry (e.g. pyrolysis gasoline, C₄ fractions, gasoil and fuel oil fractions).

4. Additives/Oxygenates

Additives are non-hydrocarbon compounds added to or blended with a product to modify fuel properties (octane,

cetane, cold properties, etc.):

- oxygenates, such as alcohols (methanol, ethanol), ethers (such as MTBE (methyl tertiary butyl ether), ETBE (ethyl tertiary butyl ether), TAME (tertiary amyl methyl ether));
- esters (e.g. rapeseed or dimethylester, etc.);
- chemical compounds (such as TML, TEL and detergents).

Note: Quantities of ethanol reported in this category should relate to the quantities destined for fuel use.

5. Bio-fuels

Biofuels such as biogasoline and biodiesel are blended into gasoline and diesel straightly or at refinery plant.

- **Bio-gasoline:** a gasoline quality liquid fuel produced from biomass or used cooking oils consists of bioethanol, biomethanol, BioETBE and bioMTBE
- **Bio-diesel:** a diesel quality liquid fuel produced from biomass or used cooking oils, consists of biodiesel, bio-dimethylether, fischer tropsh and cold pressed biooil.
- **Bio-ethanol:** ethanol produced from biomass and/or biodegradable fraction of waste;
- **Bio-methanol:** methanol produced from biomass and/or the biodegradable fraction of waste;
- **Bio-dimethylether:** 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

This category includes synthetic crude oil from tar sands, shale oil, etc., liquids from coal liquefaction, output of liquids from natural gas conversion into gasoline, hydrogen and emulsified oils (e.g. Orimulsion).

Note on the reporting of emulsified oils:

All imports of emulsified oils (e.g. Orimulsion) should be reported as imports of 'Other Hydrocarbons' (cell F8 in Table 1). As these oils do not need further processing in a refinery, report these quantities as Direct Use (cell F10 in Table 1) and Primary Product Receipts in the 'Bitumen' category in Table 2. Any production of emulsified oils should appear as indigenous production of 'Other Hydrocarbons' (cell F1 in Table 1). Report all quantities in physical weight of the emulsion (i.e. including the water content).

7. Refinery Gas (not liquefied)

Refinery gas includes 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. This also includes gases which are returned from the petrochemical industry.

8. Ethane

A naturally gaseous straight-chain hydrocarbon, (C₂H₆) extracted from natural gas and refinery gas streams.

9. Liquefied Petroleum Gases (LPG)

LPG are light paraffinic hydrocarbons derived from the refinery processes, crude oil stabilisation and natural gas processing plants. They consist mainly of propane (C₃H₈) and butane (C₄H₁₀) or a combination of the two. They could also include propylene, butylene, isobutene and isobutylene. LPG are normally liquefied under pressure for transportation and storage.

10. Naphtha

Naphtha is a feedstock destined for either the petrochemical industry (e.g. ethylene manufacture or aromatics production). Naphtha comprises material in the 30°C and 210°C distillation range or part of this range.

Naphtha imported for blending is reported as an import of naphtha, then shown on the interproduct transfer row, as a negative entry for Naphtha, and a positive entry for the corresponding finished product.

11. Motor Gasoline

Motor gasoline consists of a mixture of light hydrocarbons distilling between 35°C and 215°C. It is used as a fuel for land based spark ignition engines. Motor gasoline may include additives, oxygenates and octane enhancers, including lead compounds such as TEL (Tetraethyl lead) and TML (tetramethyl lead).

12. of which Biofuels

Amount of biogasoline included in gasoline should be reported.

13. Aviation Gasoline

This is motor spirit prepared especially for aviation piston engines, with an octane number suited to the engine, a freezing point of -60°C and a distillation range usually within the limits of 30°C and 180°C.

14. Gasoline Type Jet Fuel (Naphtha type Jet Fuel or JP4)

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 kerosenes and gasoline or naphtha in such a way that the aromatic content does not exceed 25% in volume, and the vapour pressure is between 13.7kPa and 20.6kPa.

15. Kerosene Type Jet Fuel

This is a distillate used for aviation turbine power units. It has the same distillation characteristics between 150°C and 300°C (generally not above 250°C) and flash point as kerosene. In addition, it has particular specifications (such as freezing point) which are established by the International Air Transport Association (IATA).

This category includes kerosene blending components.

16. Other Kerosene

Kerosene comprises refined petroleum distillate and is used in sectors other than aircraft transport. It distills between 150°C and 300°C.

17. Gas/Diesel Oil (Distillate Fuel Oil)

Gas/diesel oil is primarily a medium distillate distilling between 180°C and 380°C, and mainly used for diesel compression ignition (cars, trucks, etc.), usually of low sulphur content.

18. of which Biofuels

Amount of biodiesel included in gas/diesel oil should be reported.

19. Fuel Oil

This covers all residual (heavy) fuel oils (including those obtained by blending). Kinematic viscosity is above 10 cSt at 80°C. The flash point is always above 50°C and density is always more than 0.90 kg/l.

20. White Spirit and SBP

White Spirit and SBP are defined as refined distillate intermediates with a distillation in the naphtha/kerosene range. They are sub-divided as:

- Industrial Spirit (SBP): Light oils distilling between 30° and 200°C. There are 7 or 8 grades of industrial spirit, depending on the position of the cut in the distillation range. The grades are defined according to the temperature difference between the 5% volume and 90% volume distillation points (which is not more than 60°C).
- White Spirit: Industrial spirit with a flash point above 30°C. The distillation range of white spirit is 135° to 200°C.

21. Lubricants

Lubricants are hydrocarbons produced from distillate by product; they are mainly used to reduce friction between bearing surfaces. This category includes all finished grades of lubricating oil, from spindle oil to cylinder oil,

and those used in greases, including motor oils and all grades of lubricating oil base stocks.

22. Bitumen

Bitumen is a solid, semi-solid or viscous hydrocarbon with a colloidal structure, being brown to black in colour, obtained as a residue in the distillation of crude oil, by vacuum distillation of oil residues from atmospheric distillation. Bitumen is often referred to as asphalt and is primarily used for construction of roads and for roofing material. This category includes fluidized and cut back bitumen.

23. Paraffin Waxes

These are saturated aliphatic hydrocarbons. These waxes are residues extracted when dewaxing lubricant oils. They have a crystalline structure which is more-or-less fine according to the grade. Their main characteristics are as follows: they are colourless, odourless and translucent, with a melting point above 45°C.

24. Petroleum Coke

Petroleum coke is a black solid by-product, obtained mainly by cracking and carbonising petroleum derived feedstock, vacuum bottoms, tar and pitches in processes such as delayed coking or fluid coking. It consists mainly of carbon (90 to 95%) and has a low ash content. It is used as a feedstock in coke ovens for the steel industry, for heating purposes, for electrode manufacture and for production of chemicals. The two most important qualities are "green coke" and "calcinated coke". This category also includes "catalyst coke" deposited on the catalyst during refining processes; this coke is not recoverable and is usually burned as refinery fuel.

25. Other Products

All products not specifically mentioned above, for example: tar and sulphur. This category also includes aromatics (e.g. BTX or benzene, toluene and xylene) and

olefins (e.g. propylene) produced within refineries.

DEFINITIONS OF FLOWS

TABLE 1 - REFINERY INTAKE

This table covers all flows of crude oil, NGL, refinery feedstocks, additives and other hydrocarbons.

1. **Indigenous Production:** Report all production within national boundaries including off-shore production. Production should only include marketable production, excluding volumes returned to formation. Such production should include all crude oil, NGL, condensates and oil from shale and tar sands, etc. It should also include the receipts of additives/oxygenates by refineries and blending plants from outside the refinery sector.
2. **From other sources:** Report supplies of Additives, *Biofuels* and Other Hydrocarbons, the production of which has already been covered in other fuel balances e.g. in NZ the manufacture of synthetic gasoline requires natural gas as feedstock. The amount of gas for methanol manufacture is accounted for in the natural gas balance, while the receipts of methanol are reported as inputs 'from gas as other sources' in the oil balance. The other sources are divided to three sources below;
 - From Coal: Additives and other hydrocarbons produced from coal
 - From Gas: Additives and other hydrocarbons produced from gas
 - From Renewable: Additives, biofuels and other hydrocarbons produced by renewable energy
3. **Backflows from Petrochemical Industry :** These are finished or semi-finished products which are returned from final consumers to refineries for processing, blending or sale. They are usually by-products of petrochemical manufacturing. For integrated petrochemical industries this flow should be estimated. Transfers from one refinery to another within the country should be excluded.
4. **Products Transferred:** These are imported petroleum products which are reclassified as feedstocks for further processing in the refinery, without delivery to final consumers. For example, naphtha imported for upgrading would be first reported as imports of naphtha, and then appear also as products transferred of naphtha.
5. **Imports and Exports:** Data should reflect amounts having crossed the national territorial boundaries, whether customs clearance has taken place or not. 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 country of ultimate origin; refinery feedstocks and finished products should be reported as coming from the country of last consignment. Any gas liquids (e.g. LPG) extracted during the regasification of imported liquefied natural gas should be included as imports in this questionnaire. 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 country to the final destination.
6. **Direct Use:** Crude oil, NGL and other hydrocarbons which are used directly without being

processed in oil refineries are reported as Direct use. This includes, for example, crude oil burned for electricity generation.

7. **Stock Changes:** Stock changes should reflect the difference between opening stock level and closing stock level for stocks held on national territory. A stock build is shown as a negative number, and a stock draw as a positive number.
8. **Refinery Intake (calculated):** This is defined as the total amount of oil calculated to have entered the refinery process. It is defined as:
 - Indigenous production
 - + From Other Sources
 - + Backflows from industry
 - + Products transferred
 - + Imports
 - Exports
 - Direct use
 - + Stock changes
9. **Statistical Differences:** This is the difference between calculated and observed Refinery Intake.
10. **Refinery Intake (observed):** This is defined as the total amount of oil (including other hydrocarbons and additives) observed to have entered the refinery process
11. **Memo Item - Refinery Losses:** Are the difference between Refinery Intake (Observed) and Gross Refinery Output. Losses may occur during the distillation processes due to evaporation.

12. **Total stocks on national territory:** All stocks on national territory, including stocks held by governments, by major consumers or by stockholding organisations, stocks held on board incoming ocean vessels, stocks held in bonded areas and stocks held for others, whether under bilateral government agreement or not.
13. **Average net calorific value:** This is the quantity of heat released by unit quantity of fuel, when it is burned completely with oxygen, and the products of combustion are returned to ambient temperature. (This quantity of heat will not include the heat of condensation of the water vapour formed by the combustion of the hydrogen in the fuel, as it cools to ambient conditions.) Heat value is measured in kilojoules per kg. One Joule is equivalent to 0.2388 cal. Heat value should be reported for indigenous, imported and exported crude oil, NGL, additives and other hydrocarbons and for imported and exported refinery feedstocks. The average of the values of production, imports and exports should also be reported.
14. **Average specific gravities:** This is the specific gravity by crude oil and other oil materials. Official figures approved by national administration are requested.

TABLE 2 - SUPPLY SECTOR

These tables cover the supply of finished products. Finished products comprise: refinery gas, ethane, LPG, naphtha, leaded and unleaded motor gasoline, aviation gasoline, gasoline type jet fuel, kerosene type jet fuel, other kerosene, gas/diesel oil, fuel oil, white spirit and SBP, lubricants, bitumen, paraffin waxes, petroleum coke and others. In addition, crude oil and NGL used for direct burn should be included in deliveries of finished products.

1. **Primary Product Receipts:** Quantities of indigenous or imported crude oil (including condensate) and indigenous NGL which are *used directly* without being processed in an oil refinery. For example, crude oil used to generate electricity should be placed in primary product receipts of crude oil. Quantities of indigenous NGL which are not included in refinery intake should be reported in primary product receipts of NGL, then transferred through the Interproduct transfers line to the allocated product type. Please note that this flow includes the amounts of backflows from the petrochemical industry which, although not primary fuel, are used directly.
2. **Gross Refinery Output:** This is production of finished products at a refinery or blending plant. This category excludes Refinery Losses, but includes Refinery Fuel.
3. **Recycled Products:** These are finished products which pass a second time through the marketing network, after having been once delivered to final consumers (e.g. used lubricants which are reprocessed). These quantities should be distinguished from petrochemical Backflows.
4. **Refinery Fuel:** These are all petroleum products consumed in support of the *operation* of a refinery. This should not include products used by oil companies outside the refining process, e.g. bunkers

or oil tankers. *Fuels used for the production at the refineries of electricity and heat sold should not be included in this category and should be reported in Table 3 as fuel inputs for auto-producer electricity and heat generation.*

5. **Imports and Exports:** See definitions under Table 1.
6. **International Marine Bunkers:** Bunkers cover the quantities of fuels delivered to sea-going ships of all flags. 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.
7. **Interproduct Transfers:** Result from reclassification of products either because their specification has changed, or because they are blended into another product. For example, quantities of kerosene may be reclassified as gasoil after blending with the latter in order to meet its winter diesel specification. A negative entry for one product must be compensated by a positive entry (or several entries) for one or several products and vice versa. The total net effect should be zero (cell V8 on Table 2).
8. **Products Transferred:** See definitions under Table 1.
9. **Stock Changes:** See definitions under Table 1.
10. **Gross Inland Deliveries (calculated):** This is defined as:

	Primary product receipts
+	Gross refinery output
+	Recycled products
-	Refinery fuel
+	Imports
-	Exports
-	International marine bunkers
+	Interproduct transfers

- Products transferred
 - + Stock changes
11. **Statistical Differences:** This is the difference between calculated and observed Gross Inland Deliveries.
 12. **Gross Inland Deliveries (observed):** This is the observed delivery of finished petroleum products from primary sources (e.g. refineries, blending plants, etc.) to the inland market. This figure may differ from the calculated figure due, for example, to differences in coverage and/or differences of definition in different reporting systems.
 13. **Stock levels:** See definitions of total stock in national territory in Table 1.
 14. **Average net calorific value:** This is the quantity of heat released by unit quantity of fuel, when it is

burned completely with oxygen, and the products of combustion are returned to ambient temperature. (This quantity of heat will not include the heat of condensation of the water vapour formed by the combustion of the hydrogen in the fuel, as it cools to ambient conditions.) Heat value is measured in kilocalories per kg. Heat value should be reported for indigenous, imported and exported crude oil, NGL, additives and other hydrocarbons and for imported and exported refinery feedstocks. The average of the values of production, imports and exports should also be reported.

15. **Average specific gravities:** This is the specific gravity by petroleum products. Official figures approved by national administration are requested.

TABLE 3 - TRANSFORMATION and ENERGY SECTORS

I. TRANSFORMATION SECTOR

1. Electricity and Heat Production

Main Activity Producer

- **Electricity plants** – refers to plants that produce electricity only either owned by public or private utilities. Report quantities of fuels used to generate electricity. (Fuels used by plants containing at least one CHP unit are to be reported under *Public CHP*.)
- **Combined Heat and Power (CHP) plants** – plants that produce both electricity and heat for sale to third parties. Report quantities of fuels used to generate electricity and/or heat.
- **Heat plants** – plants that produce heat for sale to third parties. Report quantities of fuels used to generate heat.

Autoproducer

- **Electricity plants** – refers to plants that generate electricity only but wholly or partly for their own use as an activity which supports their primary activity. Report quantities of fuels used. (Fuels used by plants containing at least one CHP unit are to be reported under *Autoproducer CHP*.)
 - **Combined Heat and Power (CHP) plants** - Report quantities of fuels that correspond to the quantity of electricity and heat sold.
 - **Heat plants** - Report quantities of fuels that correspond to the quantity of heat sold.
2. **Gas Works:** Report oil used to produce gas in gas works and gasification plants. Oil consumed for heating and operation of equipment should not be included here, but reported as consumption in the Energy sector.
 3. **Natural Gas Blending Plant:** *Blending gas produced from oil products, such as LPG and*

Naphtha, into natural gas in order to increase heat value of natural gas as use of town gas.

4. **Coke ovens:** Report oil used in coke ovens. Oil consumed for heating and operation of equipment should not be included here, but as consumption in the Energy sector.
5. **Blast Furnaces:** Report oil used in blast furnaces. Oil consumed for heating and operation of equipment should not be included here, but as consumption in the Energy sector. To avoid double counting, oil used in blast furnaces should not be reported in Iron and Steel.
6. **Petrochemical Industry:** Report quantities of backflows returned from the petrochemical sector, whether returned to refineries for further processing/blending or used directly. The product allocation is calculated using the same proportion of product split for Gross Deliveries to Petrochemical Sector.

Example: 500 units (430 of naphtha and 70 of LPG) are input to the petrochemical industry. Of the 500, 300 are used as feedstock for the production of petrochemicals, 200 units are returned. The total amount of input into the Transformation sector is 200 which is split over naphtha and LPG (e.g. for LPG backflows: $(70/500) \times 200 = 28$, for naphtha backflows: $(430/500) \times 200 = 172$).
7. **Patent Fuel Plants:** Report quantities of oil used as binding material for the production of patent fuel.
8. **Not Elsewhere Specified:** Data should be reported here only as a last resort. If a final breakdown into the above sub-sectors is not available, administrations should provide estimates wherever possible. Please inform the Secretariat of the basis for these estimates.

II. ENERGY SECTOR

Report oil consumed by the energy sector to support the extraction (mining, oil and gas production) or

transformation activity. For example: oil used for heating, lighting or operating pumps or compressors. Note that quantities of oil transformed into another energy form should be reported under the Transformation sector. Oil consumed in support of the operation of oil and gas pipelines should be reported in the Transportation sector.

The energy sector includes ISIC Divisions 10, 11, 12, 23 and 40 (NACE Divisions 10, 11, 12, 23 and 40).

1. **Coal Mines:** Report oil consumed to support the extraction and preparation of coal within the coal mining industry.
2. **Oil and Gas Extraction:** Report oil consumed in the oil and gas extraction process and in natural gas processing plants. Pipeline losses should be reported as Distribution losses, oil used to operate the pipelines should be reported in the Transportation sector.
3. **Coke Ovens:** Report own consumption of oil at coking plants.
4. **Blast Furnaces:** Report fuels used in the blast furnaces for operation.
5. **Gas Works:** Report own consumption of oil at gas works and gasification plants.
6. **Electricity, CHP and Heat plants:** Report own consumption of oil in electric plants, combined heat and power plants and heat plants.
7. **Natural Gas Blending Plants:** Report own consumption of oil in process for blending natural gas
8. **Biofuel Processing:** Report own consumption of oil in biofuel plants
9. **Not Elsewhere Specified:** Report energy activities not included elsewhere.
10. **Distribution Losses:** Report all losses which occur outside the refinery due to transport and distribution, including pipeline.

TABLE 4 - FINAL CONSUMPTION SECTOR

Final consumption is all energy delivered to final consumers (in the Transport, Industry and Other sectors). It excludes deliveries for transformation and/or own use of the energy producing industries.

I. TRANSPORT SECTOR

Report oil used for all transport activity, regardless of the sector in which the activity occurs.

ISIC Divisions 60, 61 and 62 (NACE Divisions 60, 61 and 62).

Please note: Oil consumed for heating and lighting at stations and airports should be reported in the Commercial sector and **not** in the Transport sector.

1. **International Civil Aviation:** Report all consumption of aviation fuels other than for domestic aircraft activities.
2. **Domestic Air Transport:** Report consumption of aviation fuels by domestic aircraft - commercial, private, agricultural, etc.; include oil used for purposes other than flying, e.g. bench-testing of engines. *It excludes use by airlines of motor-spirit for their road vehicles. Military use of aviation fuels also should be excluded here.*
3. **Road:** Report oil for use in 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 gasoil used in engines at construction sites should not be included here but should be included in the Industry subsector Construction below.
4. **Rail:** Report oil consumed in rail traffic, including industrial railways.
5. **Inland Waterways:** Report oil consumption on

inland waterways and by coastal shipping. For example: small craft, barges, and those coastal ships which are not included in International Marine Bunkers.

6. **Pipeline Transport:** Report oil consumed in support of the operation of pipelines.
7. **Not Elsewhere Specified:** Report transport activities not included elsewhere.

II. INDUSTRY SECTOR

Report oil consumed by the industrial undertaking in support of its primary activities.

Report quantities of oil consumed for autoproducer heat (Heat) and (CHP) that is not sold but used by the plant itself. Quantities of oil consumed for the production of heat that is sold, and for the production of electricity, should be reported under the appropriate transformation sector.

1. **Iron and Steel:** ISIC Group 271 and Class 2731 (NACE Groups 27.1, 27.2, 27.3 and classes 27.51, 27.52). To avoid double counting, oil used in blast furnaces should be reported in the Transformation sector.
2. **Chemical (Including Petrochemical Industry):** ISIC Division 24 (NACE Division 24).

Note: This heading includes petroleum products used for energy purposes and as feedstocks. However, consumption should be net, after deduction of backflows. The breakdown of net consumption by product should be calculated applying the same proportion of product split for Gross Deliveries.

Example: 500 units (430 of naphtha and 70 of LPG) are input to the petrochemical industry. Of

the 500, 300 are used as feedstock for the production of petrochemicals, 200 units are returned. The total amount reported for the petrochemical industry consumption is 300 (500 - 200) which is split over naphtha and LPG (e.g. for LPG consumption : $(70/500) \times 300 = 42$, for naphtha consumption: $(430/500) \times 300 = 258$).

3. **Non-Ferrous Metals:** ISIC Group 272 and Class 2732 (NACE Group 27.4 and classes 27.53, 27.54).
4. **Non-Metallic Mineral Products:** ISIC Division 26 (NACE Division 26). Report glass, ceramic, cement and other building materials industries.
5. **Transport Equipment:** ISIC Divisions 34 and 35 (NACE Divisions 34 and 35).
6. **Machinery:** Report fabricated metal products, machinery and equipment other than transport equipment. ISIC Divisions 28, 29, 30, 31 and 32 (NACE Divisions 28, 29, 30, 31 and 32).
7. **Mining (excluding energy producing industries) and Quarrying:** ISIC Divisions 13 and 14 (NACE Divisions 13, 14).
8. **Food Processing, Beverages and Tobacco:** ISIC Divisions 15 and 16 (NACE Divisions 15 and 16).
9. **Pulp, Paper and Printing:** This category includes reproduction of recorded media. ISIC Divisions 21 and 22 (NACE Divisions 21 and 22).
10. **Wood and Wood Products (other than pulp and paper):** ISIC Division 20 (NACE Division 20).
11. **Construction:** ISIC Division 45 (NACE Division 45).
12. **Textile and Leather:** ISIC Divisions 17, 18 and 19 (NACE Divisions 17, 18 and 19).
13. **Not Elsewhere Specified:** If your industrial classification of oil consumption does not correspond to the above ISIC (or NACE) codes, please estimate the breakdown by industry and include in "Not Elsewhere Specified" only consumption in sectors which is not covered above. ISIC Division 25, 33, 36 and 37. For NACE, it covers Divisions 25, 33, 36, and 37.

III. OTHER SECTOR

1. **Commercial and Public Services:** Oil consumed by businesses and offices in the public and private sectors. All activities in ISIC Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99. (NACE Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93, 99).
2. **Residential:** Report all consumption by households including households with employed persons. ISIC Division 95 (NACE Division 95).
3. **Agriculture:** Report oil consumption by users classified as agriculture, hunting and forestry. ISIC Divisions 01 and 02 (NACE Divisions 01, 02).
4. **Fishing:** Report oil consumption by users classified as fishing (inland, coastal and deep-sea fishing) and aquaculture. Fishing ships of all flags including international fishing should be covered. ISIC Division 05.
5. **Not Elsewhere Specified:** Report activities not included elsewhere. Fuel consumption by road vehicles of airlines and all military activities are also reported here.

IV. MEMO ITEM: NON ENERGY USE

Include energy products used as raw materials in the different sectors; that is not consumed as a fuel or transformed into another fuel. Please indicate the Non-energy use by Sector.

1. **Transformation Sector:** Non-energy use in all transformation subsectors.
2. **Energy Sector:** Non-energy use in all energy subsectors.
3. **Transport Sector:** Non-energy use in all transport subsectors.
4. **Industry Sector:** Non-energy use in all industry

subsectors.

5. **of which: Chemical Industry Including Petrochemical Industry:** Non-energy use in the chemical and petrochemical industry as defined above. This should include feedstocks used for the purpose of producing ethylene, propylene, butylene, synthesis gas, aromatics, butadiene and

other hydrocarbon-based raw materials in processes such as steam cracking, aromatics plants and steam reforming. Part of ISIC group number 241 (NACE Group 241).

6. **Other Sector:** Non-energy use in all other subsectors.

GAS

DEFINITIONS OF PRODUCTS

1. Natural Gas

Natural gas comprises gases, occurring in underground deposits, whether liquefied or gaseous, consisting mainly of methane. It includes both "non-associated" gas originating from fields producing hydrocarbons only in gaseous form, and "associated" gas produced in association with crude oil as well as methane recovered from coal mines (colliery gas). Manufactured gas (produced from municipal or industrial waste, or sewage) should be reported in the Annual Questionnaire on Renewable and Wastes.

- **Associated Gas:** natural gas produced in association with crude oil.

- **Non-Associated Gas:** natural gas originating from fields producing hydrocarbons only in gaseous form.
- **Colliery Gas:** methane produced at coal mines, piped to the surface and consumed at collieries or transmitted by pipeline to consumers.

The amount of Natural gas should be reported in cubic meter.

2. LNG

Liquid Natural Gas is produced by liquefaction of natural gas.

The amount of LNG should be reported in metric ton.

DEFINITIONS OF FLOWS

TABLE 1 - PRIMARY SUPPLY SECTOR

1. **Indigenous Production:** All dry marketable production within national boundaries, including offshore production. Production is measured after purification and extraction of NGLs and sulphur. Extraction losses and quantities rejected, vented or flared, are not included. Production includes quantities used within the natural gas industry; in gas extraction, pipeline systems and processing plants. Quantities vented and/or flared should be shown separately as memo items on table 1.
2. **From other sources:** Report the quantities of oil and coal used in Natural gas blending plants to adjust calorific value.
3. **Imports and Exports:** Amounts are regarded as imported or exported when they have crossed the political boundaries of the country, whether customs clearance has taken place or not. Data should be taken from declarations from importers and exporters, although these may not be identical with customs data.
4. **Stock Changes:** This is the change in stock level of recoverable gas; the difference between opening stock level at the first day of the year and closing stock level at the last day of the year of stocks held on **national** territory. A stock build is shown as a negative number and a stock draw as a positive number.
5. **Gross Inland deliveries (calculated):** is defined "Indigenous Production" plus "From other sources" plus "Imports" minus "Exports" plus "Stock Changes".
6. **Statistical Differences:** 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.

7. **Gross Inland deliveries (observed):** This category represents deliveries of marketable gas to the inland market, including gas used by the gas industry for heating and operation of their equipment (i.e. consumption in gas extraction, in the pipeline system and in processing plants) and including losses in distribution.
8. **Recoverable Gas:** Total volume of gas in excess of cushion gas that is available for deliveries during any input-output cycle.
9. **Total Stocks on National Territory:** This refers to recoverable natural gas stored in special storage facilities (depleted gas and/or oil field, aquifer, salt cavity, mixed caverns, or other) as well as liquefied natural gas storage. Cushion gas should be excluded.

10. **Gas Vented:** The volume of gas released into the air on the production site or at the gas processing plant.
11. **Gas Flared:** The volume of gas burned in flares on the production site or at the gas processing plant.
12. **Cushion Gas:** Total volume of gas required as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the output cycle.
13. **Net calorific value:** This is the quantity of heat released by unit quantity of fuel, when it is burned completely with oxygen, and the products of combustion are returned to ambient temperature. (This quantity of heat will not include the heat of condensation of the water vapour formed by the combustion of the hydrogen in the fuel, as it cools to ambient conditions.) Heat value is measured in kilocalorie per kg. Heat value should be reported for indigenous, imported and exported natural gas and LNG. The average of the values of production, imports and exports should also be reported.

TABLE 2 - TRANSFORMATION and ENERGY SECTORS

I. TRANSFORMATION SECTOR

1. Electricity and Heat Production

Main Activity Producer

- **Electricity plants** – refers to plants that produce electricity only either owned by public or private utilities. Report quantities of fuels used to generate electricity. (Fuels used by plants containing at least one CHP unit are to be reported under *Public CHP*.)
- **Combined Heat and Power (CHP) plants** – plants that produce both electricity and heat for sale to third parties. Report quantities of fuels used to generate electricity and/or heat.
- **Heat plants** – plants that produce heat for

sale to third parties. Report quantities of fuels used to generate heat.

Autoproducer

- **Electricity plants** – refers to plants that generate electricity only but wholly or partly for their own use as an activity which supports their primary activity. Report quantities of fuels used. (Fuels used by plants containing at least one CHP unit are to be reported under *Autoproducer CHP*.)
- **Combined Heat and Power (CHP) plants** - Report quantities of fuels that correspond to the quantity of electricity and heat sold.
- **Heat plants** - Report quantities of fuels that

correspond to the quantity of heat sold.

2. **Gas Works:** Report quantities of natural gas used in gas works and gasification plants. Gas used for heating and operation of equipment is not included here but reported in the Energy sector.
3. **Liquefaction:** Report quantities of natural gas used for liquefaction to LNG and the amount of LNG produced.
4. **Regasification:** Report quantities of LNG used for vaporization to natural gas and the amount of natural gas produced.
5. **Gas to Liquids (Natural Gas to Oil) -** Report the amount of gas input in the Gas to Liquid (GTL) plants to produce synthetic petroleum substitute such as methanol, LPG, etc. The output of this process should be reported in Table 1 of the Oil Questionnaire as “From Other Sources; from gas” at the “Other Hydrocarbons” column.
6. **Not Elsewhere Specified:** Data should be reported here only as a last resort. If a final breakdown into the above sub-sectors is not available, administrations should provide estimates wherever possible. Please inform the Secretariat of the basis for these estimates.

II. ENERGY SECTOR

Report natural gas consumed by the energy industry to support the extraction (mining, oil and gas production) or transformation activity. For example: natural gas consumed for heating, or operating pumps or compressors. ISIC Divisions 10-12, 23 and 40. (NACE Divisions 10-12, 23 and 40).

Quantities of natural gas transformed into another energy form should be reported under the Transformation sector. Natural gas consumed in support of the operation of oil and gas pipelines should be reported in the

Transport sector.

1. **Coal Mines:** Report natural gas consumed to support the extraction and preparation of coal within the coal mining industry.
2. **Oil and Gas Extraction:** Report natural gas consumed in the oil and gas extraction process. Pipeline losses should be reported as Distribution losses, and natural gas used to operate the pipelines should be reported in the Transport sector.
3. **Oil Refineries:** Report own consumption of natural gas in oil refineries.
4. **Coke Ovens:** Report own consumption of natural gas at coking plants.
5. **Gas Works:** Report own consumption of natural gas at gas works and gasification plants.
6. **Electricity, CHP and Heat Plants:** Report own consumption of natural gas in electric plants, combined heat and power plants, and heat plants.
7. **Liquefaction Plants:** Report own consumption of natural gas in gas liquefaction plants.
8. **Regasification:** Report own consumption of natural gas in vaporization process.
9. **Natural Gas Blending Plants:** Report quantities of natural gas used in natural gas blending plants.
10. **Gas to Liquids (Natural Gas to Oil) -** Report the amount of gas consumed at Gas to Liquids (GTL) plants.
11. **Not Elsewhere Specified:** Report energy activities not included elsewhere.
12. **Distribution Losses:** Report losses due to transport and distribution as well as pipeline losses (see above ‘Oil and Gas Extraction’).

TABLE 3 - FINAL CONSUMPTION SECTOR

Final consumption is the sum of consumption by the different end-use sectors (in the Industry, Transport, and Other sectors). It excludes deliveries for transformation and/or own use of the energy producing industries.

1. **Energy Use:** Report by sector and sub-sector all energy use of natural gas. Report amounts of energy consumed as fuel for petrochemical processes such as steam cracking, ammonia production and methanol production.
2. **Non-Energy Use:** Report by sector and sub-sector non-energy use of natural gas. This category includes feedstocks in processes such as cracking and reforming for the purpose of producing ethylene, propylene, butylene, aromatics, butadiene and other non-energy hydrocarbon-based raw materials. Do not include amounts of energy consumed as fuel for petrochemical processes such as steam cracking, ammonia production and methanol production.

I. INDUSTRY SECTOR

Report natural gas consumed by the industrial undertaking in support of its primary activities. Report quantities of natural gas consumed in heat only and CHP plants for the production of heat used by the plant itself. Quantities of natural gas consumed for the production of heat that is sold, and for the production of electricity, should be reported under the appropriate Transformation sector.

1. **Iron and Steel:** ISIC Group 271 and Class 2731. (NACE Groups 27.1-27.3 and Classes 27.51, 27.52). To avoid double counting, natural gas used in blast furnaces should be reported in the Transformation sector.
2. **Chemicals including Petrochemicals:** ISIC

Division 24. (NACE Division 24). Includes gas used as feedstock in the petrochemical industry.

3. **Non-ferrous Metals:** ISIC Group 272 and Class 2732. (NACE Group 27.4 and Classes 27.53, 27.54).
4. **Non-metallic Mineral Products:** ISIC Division 26. (NACE Division 26). Report glass, ceramic, cement and other building materials industries.
5. **Transport Equipment:** ISIC Divisions 34 and 35. (NACE Divisions 34 and 35).
6. **Machinery:** Report fabricated metal products, machinery and equipment other than transport equipment. ISIC Divisions 28-32. (NACE Divisions 28-32).
7. **Mining (excluding energy producing industries) and Quarrying:** ISIC Divisions 13 and 14. (NACE Divisions 13 and 14).
8. **Food Processing, Beverages and Tobacco:** ISIC Divisions 15 and 16. (NACE Divisions 15 and 16).
9. **Pulp, Paper and Printing:** Includes reproduction of recorded media. ISIC Divisions 21 and 22. (NACE Divisions 21 and 22).
10. **Wood and Wood Products (other than pulp and paper):** ISIC Division 20. (NACE Division 20).
11. **Construction:** ISIC Division 45. (NACE Division 45).
12. **Textile and Leather:** ISIC Divisions 17-19. (NACE Divisions 17-19).
13. **Not Elsewhere Specified:** If your industrial classification of natural gas consumption does not correspond to the above ISIC (or NACE) codes, please estimate the breakdown by industry and include in "Not Elsewhere Specified" only consumption in sectors which is not covered above. ISIC Divisions 25, 33, 36 and 37. (NACE Divisions 25, 33, 36 and 37).

II. TRANSPORT SECTOR

Report natural gas consumed for all transport activity irrespective of the economic sector in which the activity occurs. ISIC Divisions 60-62. (NACE Divisions 60-62).

1. **Road:** Report compressed natural gas (CNG) for use in road vehicles. Excludes natural gas consumed in stationary engines, which should be reported under 'Other Sector'.
2. **Pipeline Transport:** Report natural gas used in support of the operation of oil and gas pipelines.
3. **Not Elsewhere Specified:** Report transport activities not included elsewhere.

III. OTHER SECTOR

1. **Commercial and Public Services:** Report natural gas consumed by businesses and offices in the public and private sectors. All activities in ISIC Divisions 41, 50-52, 55, 63-67, 70-75, 80, 85, 90-93 and 99. (NACE Divisions 41, 50-52, 55, 63-67, 70-75, 80, 85, 90-93, 99). Note: Natural gas used for heating and lighting at stations and airports is to be reported in this category and should not be shown in the transport sector.
2. **Residential:** Report the quantities of natural gas consumed by all households including "households with employed persons". ISIC Division 95. (NACE Division 95).
3. **Agriculture:** Report consumption by users classified as agriculture, fishing (ocean, coastal and inland fishing), hunting and forestry. ISIC Divisions 01, 02 and 05. (NACE Divisions 01, 02 and 05).
4. **Fishing:** Report gas consumption by users classified as fishing and aquaculture (inland, coastal and deep-sea fishing). Fishing ships of all flags including international fishing should be covered. ISIC Division 05.
5. **Not Elsewhere Specified:** Report activities not

included elsewhere.

Supplemental Table for Input-Output to/from Gas Processing

This table is prepared as supplement, for expressing the transformation process from wet associated gas to dry associated gas and production process of by-products, such as NGL and LPG.

1. **Production from underground:** Report the quantities of gas from underground separating associated (wet) and non associated gas (usually dry).
2. **Vented & flared:** Report the quantities of gas released into the air or burned in flares at the gas processing plant.
3. **Gas processing (wet—dry):** Report the quantities of wet gas (associated gas) input into the gas processing plant. Report the quantities of dry gas produced from the process.
4. **Loss & own use in gas processing:** is defined as "Production from underground" minus "Gas processing" minus "Indigenous production".
5. **Indigenous production:** See definition in Table 1.
6. **Associated Gas (B/P):** Report the quantities of wet gas extracted from underground.
7. **Associated Gas (A/P):** Report the quantities of dry gas changed from associated gas (B/P).
8. **Non Associated Gas (B/P):** Report the quantities of non associated gas extracted from underground.
9. **Non Associated Gas(A/P):** In case some gas, including natural gas liquid, is extracted from non associated gas, report the quantities of the gas.
10. **Products (NGL, Ethane, LPG, Gasoline, Naphtha, Kerosene, Gas oil/Diesel, Fuel oil):** Report the quantities of products produced from associated gas (wet), associated gas (dry) and non associated gas in gas processing.

ELECTRICITY AND HEAT

GENERAL DESCRIPTION FOR ELECTRICITY AND HEAT

The questionnaires seek information on the fuel requirements for, and the generation of electricity and heat according to producer and generating plant types.

Types of Producer:

Producers are classified according to the purpose of production:

1. **Main Activity Producer** generates electricity and/or heat for sale to third parties, *as their primary activity*. They may be privately or publicly owned. Note that the sale need not take place through the public grid.
2. **Autoproducer** generates electricity and/or heat, wholly or partly for their own use in support of their primary activity. They may be privately or publicly owned.

Types of Plant:

The separation of fuel use and electricity/heat generation statistics according to the type of plant (i.e. electricity (only), heat (only) or combined electricity and heat) will normally be conducted using statistics collected at the plant level, i.e. generating stations comprising one or more generating sets or units. The definitions given below have been prepared on this assumption. However, when a country has data for the electricity and heat output, and fuel inputs, for each of the generating units within a plant, these data should be used to prepare the report. In this case the definitions set out below will need to be interpreted on the unit basis rather than on the plant basis.

1. **Electricity Only** refers to a plant which is designed to produce electricity only. If one or more units of the plant are a CHP unit (*see below*) then the whole

plant is designated as a CHP plant.

2. **Combined Heat and Power (CHP)** refers to a plant which is designed to produce both heat and electricity. UNIPEDA refers to these as co-generation power stations. If possible, fuel inputs and electricity/heat outputs should be reported on a unit basis rather than on a plant basis. However, if data are not available on a unit basis, the convention for defining a CHP plant noted above should be adopted.
3. **Heat Only** refers to a plant which is designed to produce heat only. Heat delivered from CHP or Heat Only plants may be used for process or space heating purposes in any sector of economic activity including the Residential Sector.

Electricity production reported for *Autoproducer Electricity* or *Autoproducer CHP* should be the total quantity of electricity generated.

All heat production from *Main Activity Producer CHP* and *Main Activity Producer Heat* plants should be reported. However, heat production reported for *Autoproducer CHP* and *Autoproducer Heat* plants should comprise only the heat sold to third parties. Heat consumed by autoproducer should not be included.

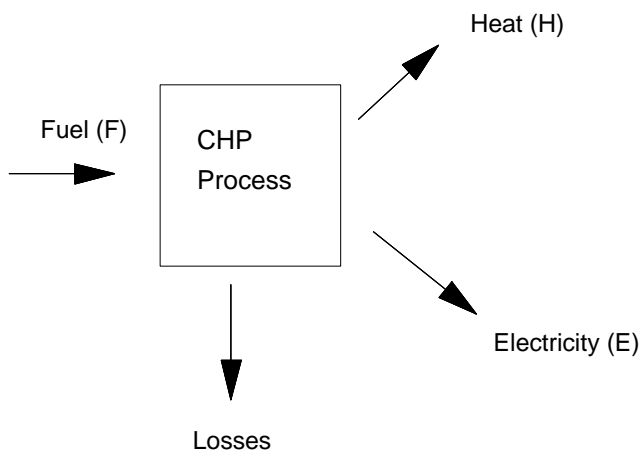
Report only those quantities of fuels used to generate the amounts of electricity and heat reported in the questionnaire. The quantities of fuel consumed for the production of heat which is not sold will remain in the figures for the final consumption of fuels by the relevant sector of economic activity. The reporting requirements for *transformation sector* activities can be summarized schematically as follows:

	Electricity Only	CHP	Heat Only
Main Activity Producer	Report all production and all fuel used	Report all electricity and heat produced and all fuel used.	Report all heat produced and all fuel used.
Autoproducer		Report all electricity produced and heat sold with corresponding fuel used.	Report heat sold and corresponding fuel used.

In this questionnaire the term **Combustible fuels** refers to fuels that are capable of igniting or burning, i.e. reacting with oxygen to produce a significant rise in temperature.

METHODOLOGY FOR APPORTIONING FUEL INPUT IN A CHP PLANT

In cases where national administrations have not adopted a methodology for this purpose, respondents may wish to use the UNIPEDE approach (Definition 3.2.2.3). This considers that the “total heat consumption for the production of electrical energy in a combined heat and power station” is the heat equivalent of the fuel consumed by the plant less that supplied for external purposes when related to fuel input. For steam plant the external heat supplied should be divided by the boiler efficiency.



The relationship between the fuel input and the electricity and heat generated in a CHP unit, without regard to the type of thermodynamic process, may be modelled simply in the diagram above.

The following relationship defining overall efficiency (e) is:

$$e = (H + E) / F.$$

The definition given proposes that the imputed fuel use for electricity, F_e , and (as a consequence) that for heat, F_h are:

$$F_e = F - H / e = F (E / (E + H)); \quad F_h = F (H / (E + H)).$$

So the definition implies that the fuel input is divided between electricity and heat in proportion to their shares in the output. It is assumed that the definition will be used by those close to the plants or units and providing data to the organisation responsible for the collection of national CHP statistics. The formula would be used only where an alternative method better suited to the plant does not exist.

DEFINITIONS FOR PRODUCTS

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.
 - a. **Solar**
 - **Electricity:** Quantity of electricity generated by solar photovoltaic.
 - **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.)
- b. **Tide, Wave, Ocean:** Mechanical energy derived from tidal movement or wave motion and exploited for electricity generation.
 - c. **Wind:** Kinetic energy of wind exploited for electricity generation in wind turbines.
 - d. **Biomass:** Electricity and heat produced by Fuelwood, Woodwaste, Bagasse, Other Biomass, Biogas and Liquid Biofuels.
 - e. **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.

DEFINITIONS OF FLOWS

TABLE 1a & 1b - ELECTRICITY and HEAT PRODUCTION

For a proper understanding of the definitions of categories in the table, respondents are urged to read the note 'GENERAL DESCRIPTION FOR ELECTRICITY AND HEAT'. Input and Output of CHP plants should be divided into Electricity and Heat.

Where data are not available estimates should be given and marked with an "E" in the cell below each input.

1. **Gross Electricity Production** is the sum of the electrical energy production by all the generating sets concerned (including pumped storage) measured at the output terminals of the main generators. (UNIPED Definition 3.5.1)
2. **Own use by Plant** is defined as gross – net.
3. **Net Electricity Production** is equal to the gross electricity production less the electrical energy absorbed by the generating auxiliaries and the losses in the main generator transformers. (UNIPED Definition 3.5.5)
4. **Gross Heat Production** is the total heat produced by the installation and includes the heat used by the installation's auxiliaries which use a hot fluid (space heating, liquid fuel heating etc) and losses in the installation/network heat exchanges.

Note that for **autoproducer**, heat used by the undertaking for its own processes is not included here; only heat sold to third parties should be reported. As only heat sold to third parties is reported, gross heat production for autoproducer will be equal to net heat production.

5. **Own use by plant** is defined as gross – net.
6. **Net Heat Production** is the heat supplied to the distribution system as determined from measurements of the outgoing and return flows.

TABLE 2 – Autoproducer by Sectors

In this table, amount of produced electricity and heat by Autoproducer should be reported by sector.

1. **Total Production.** Report total amount of Electricity and Heat produced by Autoproducer.
2. **Energy Sector.** Report auto-generation amount in the appropriate sub-Sectors.
 - a. **Coal mines** - Report electricity and heat produced at the extraction and preparation of coal within the coal mining industry.
 - b. **Oil and Gas Extraction** - Report electricity and heat produced at the oil and gas extraction process and in natural gas processing plants.
 - c. **Patent fuel plants** - Report electricity and heat produced at the production of patent fuel.
 - d. **Coke ovens** – Report electricity and heat produced at the coking plant.
 - e. **Blast furnaces** - Report electricity and heat produced at operating the furnace.
 - f. **Gas works** - Report electricity and heat produced at the gas works and gasification plants.
 - g. **Natural Gas Blending Plants** - Reports electricity and heat produced at natural gas blending plants.
 - h. **BKB Plants**- Report electricity and heat produced at BKB/PB plants.
 - i. **Petroleum refineries** - Report electricity and heat produced at refineries.

- j. **Nuclear Industry**- Report electricity and heat produced at nuclear plants.
- k. **Not elsewhere specified**– Report here generation at other plants not reported above
3. **Industry Sector.** Report amount of electricity and heat by the industrial undertaking in support of its primary activities in the appropriate sub-Sectors:
 - a. **Iron and Steel industry:** ISIC Group 271 and Class 2731. (NACE Groups 27.1, 27.2, 27.3 and Classes, 27.51, 27.52).
 - b. **Chemical including petrochemical:** ISIC Division 24. (NACE Division 24).
 - c. **Non-ferrous Metals:** ISIC Group 272 and Class 2732. (NACE Group 27.4 and Classes 27.53, 27.54).
 - d. **Non-metallic Minerals:** ISIC Division 26. (NACE Division 26). Report glass, ceramic, cement, and other building materials industries.
 - e. **Transport Equipment:** ISIC Divisions 34 and 35. (NACE Divisions 34 and 35).
 - f. **Machinery:** Report fabricated metal products, machinery and equipment other than transportation equipment. ISIC Division 28, 29, 30, 31 and 32. (NACE Divisions 28, 29, 30, 31 and 32).
 - g. **Mining and Quarrying** (except coal mines and oil and gas extraction) : ISIC Divisions 13 and 14. (NACE Divisions 13 and 14).

- h. **Food Processing, Beverages and Tobacco:** ISIC Divisions 15 and 16. (NACE Divisions 15 and 16).
 - i. **Pulp, Paper and Printing:** ISIC Division 21 and 22. (NACE Divisions 21 and 22). Includes reproduction of recorded media.
 - j. **Wood and Wood Products (other than pulp and paper) :** ISIC Division 20. (NACE Division 20).
 - k. **Construction:** ISIC Division 45. (NACE Division 45).
 - l. **Textile and Leather:** ISIC Division 17, 18 and 19. (NACE Division 17, 18 and 19).
 - m. **Not Elsewhere Specified:** If your country's industrial classification of electricity and heat production does not correspond to the above ISIC codes, please estimate the breakdown by industry and include in "Not Elsewhere Specified" only production in sectors which is not covered above. ISIC Divisions 25, 33, 36 and 37. (NACE Divisions 25, 33, 36 and 37).
4. **Transport Sector:** Include all transport activity irrespective of the economic sector in which the activity occurs. Report amount of electricity and heat by rail, pipeline and not elsewhere specified.
5. **Other Sector**
- a. **Residential:** Report amount of electricity and heat by all households. **Households** Division 95) with employed persons, a small part of the total Residential Sector, are included. This sector covers ISIC Division 95. (NACE Division 95)
 - b. **Commercial and Public Services:** Report amount of electricity and heat by businesses and offices in the public and private sectors. These activities are cover by ISIC Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99. (NACE Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99). Note that consumption at railway and bus stations and airports should be reported in this category and not shown in the Transport Sector.
 - c. **Agriculture:** Report amount of electricity and heat by users classified in agriculture, hunting and forestry. These are covered in ISIC Divisions 01 and 02. (NACE Divisions 01 and 02).
 - d. **Fishing:** Report amount of electricity and heat by users classified as fishing (inland, coastal and deep-sea fishing) and aquaculture. Fishing ships of all flags including international fishing should be covered. ISIV Division 05.
 - e. **Not elsewhere specified:** Report activities not included elsewhere. This category should include military use.

TABLE 3 – FUEL INPUT

In this table, coal, oil and gas input to electricity and heat production should be reported.

- 1. **Electricity Generation:** Values are automatically calculated based on gross electricity generation in Table1 and conversion factor (860kcal/kwh).
- 2. **Heat Production:** Report amounts of produced heat by each energy.
- 3. **Fuel Input:** Report input of combustible fuels to electricity generation and heat production. It should be reported dividing into electricity and heat. Report coal and oil inputs for each fuel in thousand metric tons, natural gas in million cubic meters and total fuel input in 10¹⁰kcal. Reported values in this table should be equal to values in the Questionnaire

for Coal, Oil, Gas and Renewable.

TABLE 4 - PRIMARY, ENERGY and FINAL CONSUMPTION SECTORS

1. **Production:** See above.
2. **Own Use by site:** This is the difference between Gross and Net electricity production.
3. **Net Production:** See above.
4. **Imports and Exports:** Amounts of electricity are considered as imported or exported when they have crossed the political boundaries of the country, whether customs clearance has taken place or not. If electricity is “wheeled” or transited through a country, the amount should be reported as both an import and an export.
5. **Used for Heat Pumps:** Report the electricity used in heat pumps for which the heat output is reported in Tables 1 and 2.
6. **Used for Electric Boilers:** Report the electricity used in electric boilers for which the heat output is reported in Tables 1 and 2.
7. **Used for Pumped Storage:** Report the electricity consumed by pumping in hydro-electric power plants.
8. **Energy Supplied:** For electricity, this is the electrical energy supplied from the plant. In the case of a national network this is equal to the sum of the net electrical energy production supplied by all power stations within the country, reduced by the amount used simultaneously for pumping and reduced or increased by exports to or imports from abroad (UNIPEDA definition 3.5.8.).
For heat, this is equal to the sum of the net heat production for sale by all plants within a country reduced or increased by exports or imports from abroad.
9. **Transmission and Distribution Losses:** All losses due to transport and distribution of electrical energy and heat. For electricity, losses in transformers which are not considered as integral parts of the power plants are also included.
10. **Total Consumption (calculated) :** This equals the Energy Supplied minus Transmission and Distribution Losses.
11. **Statistical Differences:** This is defined as calculated – observed.
12. **Total Consumption (observed) :** This is the amount actually recorded in surveys of end-use sectors. It should, in principle, correspond to the total consumption (calculated).
13. **Energy Sector:** Report all electricity and purchased heat that is consumed by the energy industry to support the extraction and production of fuels and transformation activities. It should exclude Own Use by Plant, Used for Pumped Storage, Used by Heat Pumps and Used for Electric Boilers, which are reported elsewhere. Heat consumed by autoproducer for their own use should not be included. Consumption in support of the operation of pipelines (e.g. oil, gas, and coal slurry) should be reported in the Transport Sector.
The Energy Sector covers ISIC Divisions 10, 11, 12, 23 and 40 and NACE Divisions 10, 11 12, 23 and 40. 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.
 - a. **Coal mines -** Report electricity and heat consumed at the extraction and preparation of coal within the coal mining industry.

- b. **Oil and Gas Extraction** - Report electricity and heat consumed at the oil and gas extraction process and in natural gas processing plants.
- c. **Patent fuel plants** - Report electricity and heat consumed at the production of patent fuel.
- d. **Coke ovens** – Report electricity and heat consumed at the coking plant.
- e. **Blast furnaces** - Report electricity and heat consumed at operating the furnace.
- f. **Gas works** - Report electricity and heat consumed at the gas works and gasification plants.
- g. **Natural Gas Blending Plants** - Reports electricity and heat consumed at natural gas blending plants.
- h. **BKB Plants**- Report electricity and heat consumed at BKB/PB plants.
- i. **Petroleum refineries** - Report electricity and heat consumed at refineries.
- j. **Liquefaction Plants (Natural Gas to LNG)** - Report electricity and heat consumed at natural gas liquefaction plants.
- k. **Gas to Liquids (Natural Gas to Oil)** - Report electricity and heat consumed at Gas to Liquids (GTL) plants.
- l. **Biofuels Processing**- Report electricity and heat consumed at biofuels production process.
- m. **Nuclear Industry**- Report electricity and heat consumed at nuclear plants.
- n. **Not elsewhere specified**– Report here consumption at other plants not reported above
14. **Industry Sector**: Report the total of the Industry sub-Sectors listed in Table 4 below.
- a. **Iron and Steel**: ISIC Group 271 and Class 2731. (NACE Groups 27.1, 27.2, 27.3 and Classes, 27.51, 27.52).
- b. **Chemical including petrochemical**: ISIC Division 24. (NACE Division 24).
- c. **Non-ferrous Metals**: ISIC Group 272 and Class 2732. (NACE Group 27.4 and Classes 27.53, 27.54).
- d. **Non-metallic Minerals**: ISIC Division 26. (NACE Division 26). Report glass, ceramic, cement, and other building materials industries.
- e. **Transport Equipment**: ISIC Divisions 34 and 35. (NACE Divisions 34 and 35).
- f. **Machinery**: Report fabricated metal products, machinery and equipment other than transportation equipment. ISIC Division 28, 29, 30, 31 and 32. (NACE Divisions 28, 29, 30, 31 and 32).
- g. **Mining and Quarrying** (except coal mines and oil and gas extraction) : ISIC Divisions 13 and 14. (NACE Divisions 13 and 14).
- h. **Food Processing, Beverages and Tobacco**: ISIC Divisions 15 and 16. (NACE Divisions 15 and 16).
- i. **Pulp, Paper and Printing**: ISIC Division 21 and 22. (NACE Divisions 21 and 22). Includes reproduction of recorded media.
- j. **Wood and Wood Products (other than pulp and paper)** : ISIC Division 20. (NACE Division 20).
- k. **Construction**: ISIC Division 45. (NACE Division 45).
- l. **Textile and Leather**: ISIC Division 17, 18 and 19. (NACE Division 17, 18 and 19).
- m. **Not Elsewhere Specified**: If your country's industrial classification of electricity and heat consumption does not correspond to the above ISIC codes, please estimate the breakdown by

industry and include in “Not Elsewhere Specified” only consumption in sectors which is not covered above. ISIC Divisions 25, 33, 36 and 37. (NACE Divisions 25, 33, 36 and 37).

15. **Transport Sector:** Include all transport activity irrespective of the economic sector in which the activity occurs. Include all consumption for use in rail traffic (including industrial railways), and consumed to support the operations of both submarine and overland oil, gas and coal slurry pipelines. Coastal, ocean and inland fishing are included in Agriculture. The Transport Sector covers ISIC Divisions 60, 61 and 62. (NACE Divisions 60, 61, 62).

16. **Others:**

- a. **Residential:** Report consumption by all households. Households with employed persons, a small part of the total Residential Sector, are included. This sector covers ISIC Division 95. (NACE Division 95).
- b. **Commercial and Public Services:** Report consumption by businesses and offices in the public and private sectors. These activities are

cover by ISIC Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99. (NACE Divisions 41, 50, 51, 52, 55, 63, 64, 65, 66, 67, 70, 71, 72, 73, 74, 75, 80, 85, 90, 91, 92, 93 and 99). Note that consumption at railway and bus stations and airports should be reported in this category and not shown in the Transport Sector.

- c. **Agriculture:** Report consumption by users classified in agriculture, hunting, forestry and fishing. These are covered in ISIC Divisions 01 and 02. (NACE Divisions 01 and 02). Note that coastal, ocean and inland fishing are included.
- d. **Fishing:** Report electricity and heat consumption by users classified as fishing (inland, coastal and deep-sea fishing) and aquaculture. Fishing ships of all flags including international fishing should be covered. ISIC Division 05.
- e. **Not elsewhere specified:** Report activities not included elsewhere. This category should include military use.

TABLE 5 - ELECTRICITY CAPACITY

The capacity at 31st December should be reported. Include electrical capacity of both electricity (only) and CHP plants. Data for fuel cells should be reported in the row *Other fuel sources*. Report all data in MW.

1. **Net Maximum Electrical Capacity:** The sum of the net maximum capacities of all stations taken individually throughout a given period of operation. The period of operation assumed for present purposes is:

- **Based load plant:** more than 15 hours per day

- **Semi-based plant:** 4 to 15 hours per day
- **Peak load plant:** less than 4 hours per days
- **Stand-by plant:** no operation but can be used within 2-3 weeks

The net maximum capacity is the maximum power assumed to be solely active power that can be supplied, continuously, with all plant running, at the point of outlet to the network (i.e. after taking the power supplies for the station auxiliaries and allowing for the losses in those transformers

considered integral to the station). If, for some reason, only gross capacity data can be provided, please state this clearly. It is assumed that all equipment is in full working order, that the power produced can be disposed of without any restrictions and that optimum conditions prevail as regards primary sources (i.e. flow and head in the case of hydro plant; grade and quantity of fuel in hand and water supply, temperature, and purity in the case of thermal plant, and assuming that the output and method of production in CHP plant are those which lend to maximum electricity production).

2. **Thermal Capacity:** Refers to units equipped to burn only one fuel type on a continuous basis.

Power stations consisting of several units burning different types of fuel but with each individual unit capable of burning only one fuel should be considered as single-fired and have their capacity divided accordingly among the following conventional fuel types:

- **Coal** - including all types of coal, primary and secondary, blast furnace gas and coke oven gas;
- **Oil** - covers crude oil and all oil products, including refinery gas and petroleum coke;
- **Gas** - covers natural gas and gas works gas/substitute natural gas;
- **Biomass** - covers Solid and liquid; Municipal solid wastes and Industrial wastes.

NEW AND RENEWABLE ENERGY

DEFINITIONS OF PRODUCTS

1. Fuelwood

Covers purpose-grown energy crops (poplar, willow, etc), a multitude of woody materials generated by an industrial process (wood/paper industry in particular) or provided directly by forestry such as firewood, wood chips, bark, sawdust, shavings, chips, black liquor, etc. The quantity of fuel used should be reported on a net calorific value basis.

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

Covers crushed sugar cane or beet refuse from sugar making.

4. Charcoal

Covers the solid residue of the destructive distillation and pyrolysis of wood and other vegetal material.

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

A gas composed principally of methane and carbon

dioxide produced by anaerobic digestion of biomass, comprising:

- **Landfill gas**, formed by the digestion of landfilled wastes.
- **Sewage sludge gas**, produced from the anaerobic fermentation of sewage sludge.
- **Other biogas**, such as biogas produced from the anaerobic fermentation of animal slurries and of wastes in abattoirs, breweries and other agro-food industries.

7. Industrial Waste

Wastes of industrial non-renewable origin (solids or liquids) combusted directly for the production of electricity and/or heat. The quantity of fuel used should be reported on a net calorific value basis. Renewable industrial waste should be reported in the Solid biomass, Biogas and/or Liquid biofuels categories.

8. Municipal solid waste (renewables)

Waste produced by households, industry, hospitals and the tertiary sector that contains non-biodegradable materials that are incinerated at specific installations. The quantity of fuel used should be reported on a net calorific value basis.

9. Liquid Bio-fuels

Bio-fuels cover bio-ethanol, bio-diesel, bio-methanol, bio-dimethylether, bio-oil. Liquid bio-fuels are mainly bio-diesel and bio-ethanol/ETBE used as transport fuels. They can be made from new and used vegetable oils and may be blended with or replace petroleum-based fuels. The natural plant feedstock includes soya, sunflower and oil seed rape oils. Under some circumstances, used vegetable oils may also be used as feedstock for the

process.

10. Hydro

Potential and kinetic energy of water converted into electricity in hydroelectric plants. Pumped storage also included. Detailed plant sizes should be reported net of pumped storage.

11. Geothermal

Energy available as heat emitted from within the Earth's crust, usually in the form of hot water or steam. It is exploited at suitable sites:

- **Electricity:** For Electricity generation using dry steam or high enthalpy brine after flashing.
- **Thermal:** Directly as Heat for district heating, agriculture, etc.

12. Solar

- **Pothovoltaic:** Solar energy used for electricity generation.
- **Thermal:** 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.)

13. Tide/wave/ocean

Mechanical energy derived from tidal movement or wave motion and exploited for electricity generation.

14. Wind Energy

Kinetic energy of wind exploited for electricity generation in wind turbines.

DEFINITIONS OF FLOWS

TABLE 1 - PRIMARY SUPPLY SECTOR

1. **Indigenous Production:** For Fuelwood, Woodwaste, Bagasse, Other Biomass, Biogas, Industrial Waste, and Municipal Solid Waste, report the sum of final consumption (in the industrial, commercial and residential sectors) and gross electricity production. Units should be thousand metric tons.

▫ For charcoal, report the amount produced in charcoal making plants.

▫ For Liquid Biofuels, report the final consumption, quantities blended with petroleum products such as diesel and gasoline, and the amount used as input to electricity generation. Units should be thousand metric tons.

▫ For Solar and Geothermal, report the gross electricity in GWh and heat production in 1010kcal.

▫ For Hydro, Tide Wave and Ocean, Wind, report the gross production in GWh.

2. **Imports and Exports:** Amounts are regarded as imported or exported when they have crossed the political boundaries of the country, whether customs clearance has taken place or not. Data should be taken from declarations from importers and exporters, although these may not be identical with customs data. Imports of liquefied natural gas should cover only the dry marketable equivalent after regasification. Any gas liquids (e.g. LPG)

extracted during the regasification process should be included as inputs in the Annual Questionnaire on Oil.

3. **Stock Changes:** This is the change in stock level of recoverable gas; the difference between opening stock level at the first day of the year and closing stock level at the last day of the year of stocks held on national territory. A stock build is shown as a negative number and a stock draw as a positive number.

4. **Gross Inland Deliveries (calculated)** of renewables is defined as:

	Indigenous Production
+	Imports
-	Exports
+	Stock changes
-	Transformation (input)
+	Transformation (output)

5. **Statistical Differences:** This is the difference between calculated and observed Inland Consumption. 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 inland consumption are often not identical.
6. **Gross Inland Deliveries (observed):** This category represents deliveries of marketable renewables to the inland market and including losses in distribution.
7. **Total Stocks on National Territory:** This refers to renewables stored in facilities.

TABLE 2 - TRANSFORMATION and ENERGY SECTORS

I. TRANSFORMATION SECTOR

1. Electricity and Heat Production

Main Activity Producer

- **Electricity Plants:** Report quantities of fuel used. (Fuel used by plants containing at least one CHP unit is to be reported under *Main Activity Producer Combined Heat and Power Plants*).
- **Combined Heat and Power (CHP) Plants:** Report quantities of fuel used.
- **Heat Plants:** Report quantities of fuel used.

Autoproducer

- **Electricity Plants:** Report quantities of fuel

used. (Fuel used by plants containing at least one CHP unit is to be reported under *Autoproducer Combined Heat and Power Plants*).

- **Combined Heat and Power (CHP) Plants:** Report quantities of fuel that **correspond** to the quantity of electricity produced and heat sold.
 - **Heat Plants:** Report quantities of fuel that correspond to the quantity of heat sold.
2. **Biofuels Processing:** Report liquid biofuels used for blending with petroleum products such as diesel and gasoline.
3. **Charcoal Plants:** Report quantities of solid biomass input for charcoal making.
4. **Not Elsewhere Specified:** Data should be reported

here only as a last resort. If a final breakdown into the above sub-sectors is not available, administrations should provide estimates wherever possible. Please inform the Secretariat of the basis for these estimates.

II. ENERGY SECTOR

1. **Electricity, CHP and Heat Plants:** Report own consumption of natural gas in electric plants,

2. **Biofuels Processing:** Report own consumption of renewable energy in recycled petroleum production process.
3. **Not Elsewhere Specified:** Report energy activities not included elsewhere.

TABLE 3 - FINAL CONSUMPTION SECTOR

Final consumption is the sum of consumption by the different end-use sectors (in the Industry, Transport and Other sectors). It excludes deliveries for transformation and/or own use of the energy producing industries.

I. INDUSTRY SECTOR

Report renewables consumed by the industrial undertaking in support of its primary activities. Report quantities of renewables consumed in heat only and CHP plants for the production of heat by Autoproducer used by the plant itself. Quantities of renewables consumed for the production of heat by Autoproducer that is sold, and for the production of electricity, should be reported under the appropriate Transformation sector.

1. **Iron and Steel:** ISIC Group 271 and Class 2731. (NACE Groups 27.1-27.3 and Classes 27.51, 27.52). To avoid double counting, natural gas used in blast furnaces should be reported in the Transformation sector.
2. **Chemicals including Petrochemicals:** ISIC Division 24. (NACE Division 24). Includes gas used as feedstock in the petrochemical industry.
3. **Non-ferrous Metals:** ISIC Group 272 and Class 2732. (NACE Group 27.4 and Classes 27.53, 27.54).

4. **Non-metallic Mineral Products:** ISIC Division 26. (NACE Division 26). Report glass, ceramic, cement and other building materials industries.
5. **Transport Equipment:** ISIC Divisions 34 and 35. (NACE Divisions 34 and 35).
6. **Machinery:** Report fabricated metal products, machinery and equipment other than transport equipment. ISIC Divisions 28-32. (NACE Divisions 28-32).
7. **Mining (excluding energy producing industries) and Quarrying:** ISIC Divisions 13 and 14. (NACE Divisions 13 and 14).
8. **Food Processing, Beverages and Tobacco:** ISIC Divisions 15 and 16. (NACE Divisions 15 and 16).
9. **Pulp, Paper and Printing:** Includes reproduction of recorded media. ISIC Divisions 21 and 22. (NACE Divisions 21 and 22).
10. **Wood and Wood Products (other than pulp and paper):** ISIC Division 20. (NACE Division 20).
11. **Construction:** ISIC Division 45. (NACE Division 45).
12. **Textile and Leather:** ISIC Divisions 17-19. (NACE Divisions 17-19).
13. **Not Elsewhere Specified:** If your industrial classification of natural gas consumption does not correspond to the above ISIC (or NACE) codes,

please estimate the breakdown by industry and include in "Not Elsewhere Specified" only consumption in sectors which is not covered above. ISIC Divisions 25, 33, 36 and 37. (NACE Divisions 25, 33, 36 and 37).

II. OTHER SECTOR

1. **Commercial and Public Services:** Report natural gas consumed by businesses and offices in the public and private sectors. All activities in ISIC Divisions 41, 50-52, 55, 63-67, 70-75, 80, 85, 90-93 and 99. (NACE Divisions 41, 50-52, 55, 63-67, 70-75, 80, 85, 90-93, 99).

Note: Natural gas used for heating and lighting at stations and airports is to be reported in this category and should not be shown in the transport sector.

2. **Residential:** Report natural gas consumed by all households including "households with employed persons". ISIC Division 95. (NACE Division 95).
3. **Agriculture:** Report consumption by users classified as agriculture, hunting and forestry. ISIC Divisions 01 and 02 (NACE Divisions 01 and 02).
4. **Fishing:** Report electricity and heat consumption by users classified as fishing (inland, coastal and deep-sea fishing) and aquaculture. Fishing ships of all flags including international fishing should be covered. ISIC Division 05.
5. **Not Elsewhere Specified:** Report activities not included elsewhere.

TABLE 4 - CONVERSION FACTORS

Please report both *gross* and *net* calorific values. Net data will be used for calculating the conversion factors for the historical and forecast Energy Balances. Where only net values are available, please calculate *gross* by adding 5% to the net value.

If detailed information on calorific values for each flow is not available, please report an average value.

Calorific values should be reported in kilocalories per kg.

B. ENERGY PRICES

Energy prices could be reported in either local currency units or in US dollars.

Table 1 – Import Prices

Please report also the average local currency exchange rate to the US dollar and indicate the local currency unit.

Please report CIF prices. These prices are obtained by dividing value by 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.

Please report prices of imported energy such coal and coal products; crude oil, NGL and petroleum products; electricity and other products including biofuels and other renewable energy products.

Table 2 – Wholesale Prices

In Table 2, please report wholesale prices. These are the

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

Prices can also be reported in either 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 reported in local currency units or in US Dollars.

For electricity prices, please report the industrial, commercial, residential rates and rates to other consumers. Commercial sector should include the government services and streetlights. Others should include agriculture and other sectors not included in industrial, commercial and residential.

C. 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 Joule. 10^7 kilocalories (41.863 gigajoules) is equivalent to one ton of oil equivalent. This quantity of energy is, within a few percent, equal to the net heat content of 1 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.

(1) 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 I.

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 8:

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

Column 9:

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 10:

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

Column 11:

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 12:

Heat includes heat production from public Combined Heat Power plants (CHP), from autoproducer's heat that is sold to a third party (e.g. to a network).

Column 13:

TOTAL = the total of columns (1) to (12).

(2) 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's 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:

International marine bunkers cover those quantities delivered to sea-going ships of all flags. Consumption by ships and planes engaged in transport in inland and coastal waters is not included.

Row 5:

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 6:

Total primary energy supply (TPES) are made up of

indigenous production (Row1) + imports (Row2) – exports (Row3) – international marine bunkers (Row4) and ± stock changes (Row5).

Row 7:

Transfers refer to Interproduct Transfers, Product Transferred, liquid products from Gas Separation and Recycled Products as defined in Appendix 2.

Row 8:

Main Activity Producer electricity, column 1 to 10 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 13, as a negative number.

Row 9:

Auto-producers of electricity, columns 1 to 10 show primary and secondary fuel input to electricity generation of auto-producers as negative entries. An auto-producer 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 12, "Electricity". Transformation losses appear in the "Total", column 13 as a negative number.

Row 10:

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 "Natural 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 11:

The row Petroleum refineries shows the transformation of crude oil, NGL and condensate to petroleum products.

Row 12:

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 13

Other Transformation: contains the energy feedstocks and outputs of petrochemical industry, bio-fuel processing, charcoal processing and other transformation processes that are not classified elsewhere.

Row 14:

Own use & loss: 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 15:

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

Row 16:

Total Final Consumption (TFC) is the sum of consumption by the different end-use sectors. In final consumption, petrochemical feedstocks as well as natural gas for producing fertilizer are shown under industry sector.

Row 17:

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

Row 18:

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

Row 19:

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

Row 20:

Consumption of the Residential and Commercial sectors. Public services also is included here.

Row 21:

Consumption of the Agriculture sector.

Row 22:

Other shows non-specified use which may include military use.

Row 23:

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 15). 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.

D. Conversion Factors

1. Gas

To convert the gross heat content of a gas to its net heat content, the following multiplying factors may be used.

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

2. 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.

3. Crude Oil

The conversion factors of each economy are applied.

4. Petroleum Products

The conversion factors of each economy are applied.

5. 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.

6. 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

7. Heat

Information on heat is supplied in net kilocalories. 10^{10} kilocalories = 1 MTOE