



APEC **ENERGY HANDBOOK 2007**

**ENERGY WORKING GROUP
DECEMBER 2009**

COORDINATING AGENCY:
THE ENERGY DATA AND MODELLING CENTER
THE INSTITUTE OF ENERGY ECONOMICS, JAPAN

APEC

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Asia-Pacific
Economic Cooperation

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Preface

The APEC Energy Handbook 2007 is a handy, pocket-sized summary of key energy data and a supplement to APEC Energy Statistics 2007 which has been released in January 2010 by the APEC Secretariat in Singapore.

This handbook consists of the following parts:

1. Primary Energy Supply
2. Transformation
3. Final Energy Consumption
4. Energy Balances
5. Energy Outlook
6. Energy Indicators

The Supply part describes Total Primary Energy Supply by energy while Transformation part shows Oil refining and Power Generation. The Consumption part indicates both Final Energy Consumption of commercial energy by Sectors and by Energy. The Energy Balances part includes regional energy balance tables while Outlook part shows projected energy demand by year 2030 which was prepared by Asia Pacific Energy Research Centre as of November 2009. The Energy Indicators part contains several indicators based on Population, GDP and Energy consumption.

This handbook has been 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 has been prepared in close cooperation with the twenty-one member economies.

Inquiries about figures and graphs in this handbook could be addressed to The Energy Data and Modelling Center, The Institute of Energy Economics, Japan.

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Regional Coverage

	APEC 21	APEC 20	East Asia	Other East Asia	South- east Asia	Oceania	North America	Latin America
Australia	0	0				0		
Brunei Darussalam	0	0			0			
Canada	0	0					0	
Chile	0	0						0
China	0	0	0					
Hong Kong, China	0	0	0	0				
Indonesia	0	0			0			
Japan	0	0	0					
Republic of Korea	0	0	0	0				
Malaysia	0	0			0			
Mexico	0	0						0
New Zealand	0	0				0		
Papua New Guinea	0	0				0		
Peru	0	0						0
Philippines	0	0			0			
Russia	0							
Singapore	0	0			0			
Chinese Taipei	0	0	0	0				
Thailand	0	0			0			
United States of America	0	0					0	
Viet Nam	0	0			0			

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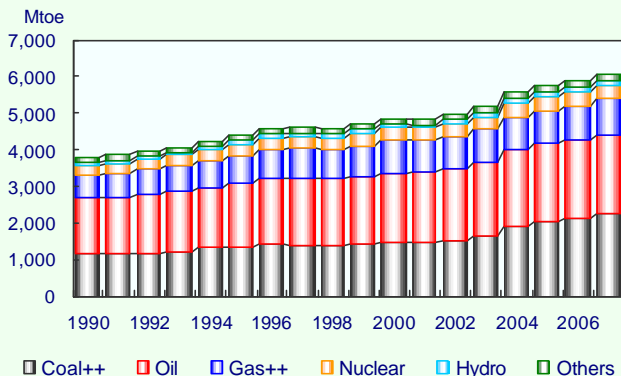
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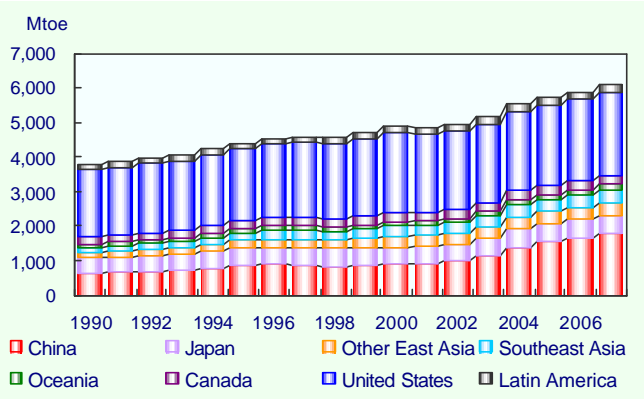
Total Primary Energy Supply by Energy APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	1,167.7	1,360.6	1,458.3	2,038.7	2,138.5	2,247.6
Oil	1,509.3	1,701.8	1,911.7	2,122.6	2,117.5	2,137.5
Gas++	631.5	769.7	883.4	923.2	939.6	998.6
Nuclear	252.6	318.8	355.1	376.9	383.8	381.8
Hydro	80.0	95.3	96.2	113.3	119.7	120.3
Others	131.2	145.8	161.8	180.0	182.9	191.1
Total	3,772.3	4,391.9	4,866.6	5,754.8	5,881.9	6,076.9

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	31.0	31.0	30.0	35.4	36.4	37.0
Oil	40.0	38.7	39.3	36.9	36.0	35.2
Gas++	16.7	17.5	18.2	16.0	16.0	16.4
Nuclear	6.7	7.3	7.3	6.6	6.5	6.3
Hydro	2.1	2.2	2.0	2.0	2.0	2.0
Others	3.5	3.3	3.3	3.1	3.1	3.1

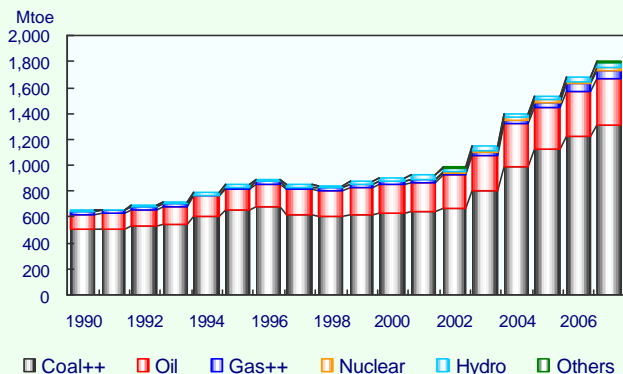
Total Primary Energy Supply by Region APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
China	654.0	858.0	905.2	1,542.3	1,681.0	1,797.0
Japan	432.5	490.8	509.3	528.3	524.7	521.9
Other East Asia	150.0	223.3	283.9	337.1	344.1	357.8
Southeast Asia	150.2	228.0	293.4	363.9	368.5	385.8
Oceania	103.7	111.8	129.6	143.1	145.3	147.9
Canada	209.5	232.7	253.3	273.1	270.7	270.5
United States	1,927.8	2,089.0	2,305.2	2,349.9	2,327.8	2,365.6
Latin America	144.6	158.5	186.8	217.0	219.7	230.4
APEC 20	3,772.3	4,391.9	4,866.6	5,754.8	5,881.9	6,076.9

	Share (%)					
	1990	1995	2000	2005	2006	2007
China	17.3	19.5	18.6	26.8	28.6	29.6
Japan	11.5	11.2	10.5	9.2	8.9	8.6
Other East Asia	4.0	5.1	5.8	5.9	5.9	5.9
Southeast Asia	4.0	5.2	6.0	6.3	6.3	6.3
Oceania	2.7	2.5	2.7	2.5	2.5	2.4
Canada	5.6	5.3	5.2	4.7	4.6	4.5
United States	51.1	47.6	47.4	40.8	39.6	38.9
Latin America	3.8	3.6	3.8	3.8	3.7	3.8

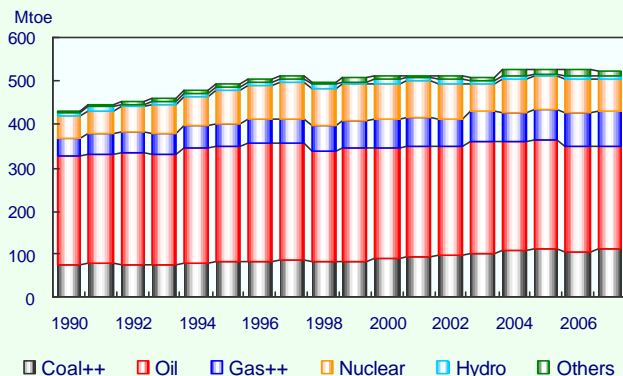
Total Primary Energy Supply by Energy China



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	512.2	659.2	631.2	1,122.1	1,222.4	1,304.8
Oil	114.4	158.5	224.7	322.1	349.9	363.0
Gas++	14.2	16.7	22.4	44.7	51.9	65.8
Nuclear	-	3.3	4.4	13.8	14.3	16.2
Hydro	10.9	16.4	19.1	34.1	37.5	41.7
Others	2.3	3.8	3.4	5.5	5.1	5.5
Total	654.0	858.0	905.2	1,542.3	1,681.0	1,797.0

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	78.3	76.8	69.7	72.8	72.7	72.6
Oil	17.5	18.5	24.8	20.9	20.8	20.2
Gas++	2.2	1.9	2.5	2.9	3.1	3.7
Nuclear	-	0.4	0.5	0.9	0.9	0.9
Hydro	1.7	1.9	2.1	2.2	2.2	2.3
Others	0.3	0.4	0.4	0.4	0.3	0.3

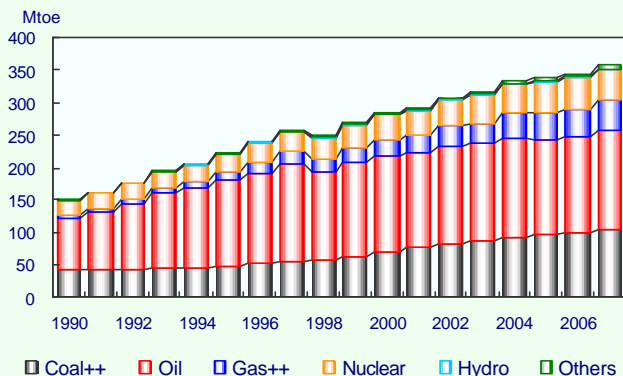
Total Primary Energy Supply by Energy Japan



	1990	1995	2000	2005	2006	2007
Coal++	75.6	82.8	91.0	110.8	106.4	112.6
Oil	249.1	267.5	255.8	251.1	243.2	236.0
Gas++	43.5	52.0	64.9	70.9	76.0	81.9
Nuclear	51.0	75.0	83.3	76.4	79.3	72.7
Hydro	7.8	7.1	7.5	7.4	8.2	7.3
Others	5.5	6.4	6.7	11.7	11.6	11.3
Total	432.5	490.8	509.3	528.3	524.7	521.9

	1990	1995	2000	2005	2006	2007
Coal++	17.5	16.9	17.9	21.0	20.3	21.6
Oil	57.6	54.5	50.2	47.5	46.3	45.2
Gas++	10.1	10.6	12.8	13.4	14.5	15.7
Nuclear	11.8	15.3	16.4	14.5	15.1	13.9
Hydro	1.8	1.5	1.5	1.4	1.6	1.4
Others	1.3	1.3	1.3	2.2	2.2	2.2

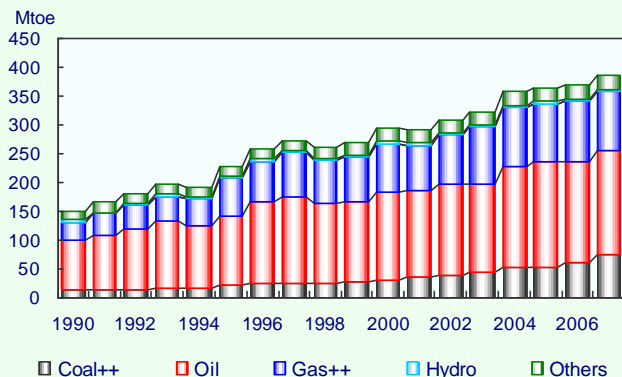
Total Primary Energy Supply by Energy Other East Asia



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	42.1	48.4	71.1	95.5	100.5	104.1
Oil	79.2	133.5	146.4	147.5	146.5	153.8
Gas++	4.5	12.0	24.6	39.9	41.8	44.9
Nuclear	22.3	26.7	38.4	48.7	49.2	47.8
Hydro	1.3	1.2	1.2	1.1	1.1	1.2
Others	0.6	1.5	2.2	4.4	5.0	6.0
Total	150.0	223.3	283.9	337.1	344.1	357.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	28.1	21.7	25.0	28.3	29.2	29.1
Oil	52.8	59.8	51.6	43.8	42.6	43.0
Gas++	3.0	5.4	8.7	11.8	12.2	12.6
Nuclear	14.9	11.9	13.5	14.4	14.3	13.4
Hydro	0.8	0.6	0.4	0.3	0.3	0.3
Others	0.4	0.7	0.8	1.3	1.5	1.7

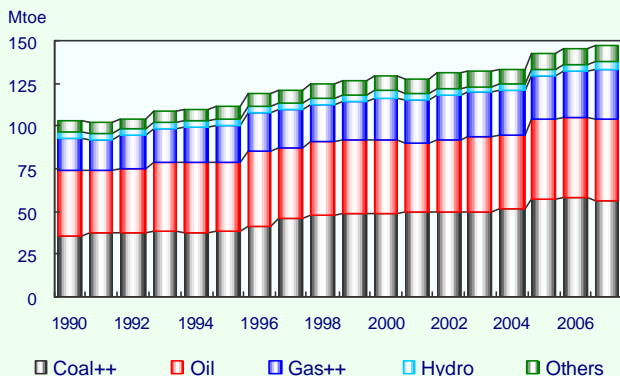
Total Primary Energy Supply by Energy Southeast Asia



	1990	1995	2000	2005	2006	2007
Coal++	12.8	20.2	30.0	53.4	59.5	72.1
Oil	86.4	121.3	152.2	182.2	177.2	182.4
Gas++	31.4	66.1	84.5	101.1	103.4	102.6
Nuclear	-	-	-	-	-	-
Hydro	2.7	3.7	3.9	4.1	4.7	4.9
Others	16.8	16.7	22.8	23.1	23.7	23.7
Total	150.2	228.0	293.4	363.9	368.5	385.8

	1990	1995	2000	2005	2006	2007
Coal++	8.5	8.8	10.2	14.7	16.2	18.7
Oil	57.5	53.2	51.9	50.1	48.1	47.3
Gas++	20.9	29.0	28.8	27.8	28.1	26.6
Nuclear	-	-	-	-	-	-
Hydro	1.8	1.6	1.3	1.1	1.3	1.3
Others	11.2	7.3	7.8	6.3	6.4	6.2

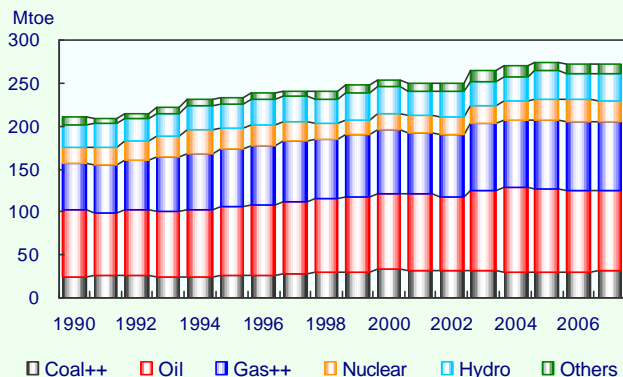
Total Primary Energy Supply by Energy Oceania



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	36.1	38.7	49.2	57.5	58.0	56.3
Oil	38.1	41.2	43.8	46.4	47.4	48.6
Gas++	19.3	21.0	24.3	26.4	27.1	29.3
Nuclear	-	-	-	-	-	-
Hydro	3.3	3.8	3.7	3.4	3.5	3.4
Others	6.8	7.1	8.7	9.3	9.4	10.4
Total	103.7	111.8	129.6	143.1	145.3	147.9

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	34.8	34.6	38.0	40.2	39.9	38.0
Oil	36.8	36.9	33.8	32.4	32.6	32.8
Gas++	18.6	18.8	18.7	18.4	18.6	19.8
Nuclear	-	-	-	-	-	-
Hydro	3.2	3.4	2.8	2.4	2.4	2.3
Others	6.5	6.4	6.7	6.5	6.5	7.0

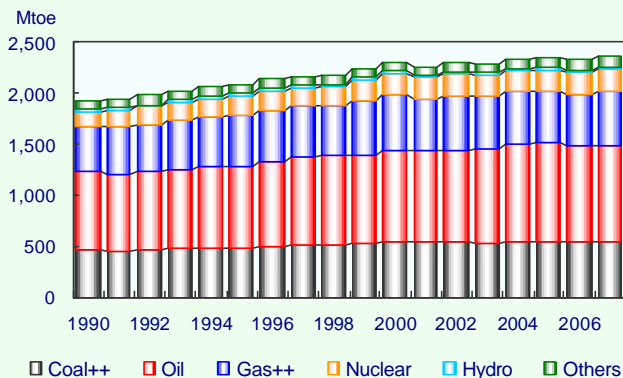
Total Primary Energy Supply by Energy Canada



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	24.3	25.3	31.7	28.8	28.6	30.1
Oil	77.8	79.1	89.0	98.1	96.1	95.5
Gas++	54.7	67.1	74.3	80.6	79.7	79.0
Nuclear	19.0	25.5	19.0	24.0	25.5	24.4
Hydro	25.5	28.9	30.8	31.3	30.6	31.7
Others	8.2	6.8	8.5	10.3	10.3	9.8
Total	209.5	232.7	253.3	273.1	270.7	270.5

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	11.6	10.9	12.5	10.6	10.6	11.1
Oil	37.1	34.0	35.1	35.9	35.5	35.3
Gas++	26.1	28.8	29.3	29.5	29.4	29.2
Nuclear	9.1	11.0	7.5	8.8	9.4	9.0
Hydro	12.2	12.4	12.2	11.5	11.3	11.7
Others	3.9	2.9	3.4	3.8	3.8	3.6

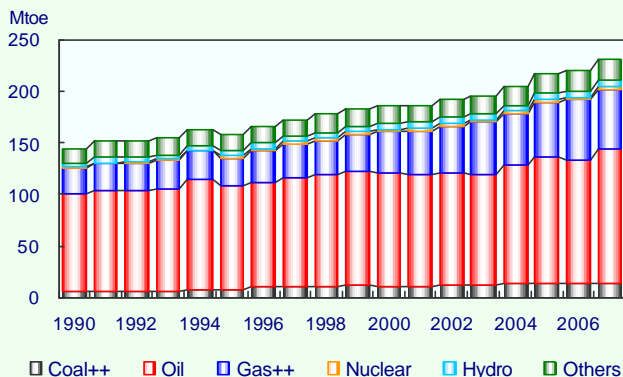
Total Primary Energy Supply by Energy United States of America



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	458.4	478.1	543.6	557.6	549.8	554.2
Oil	769.9	801.1	890.4	952.2	937.1	926.7
Gas++	438.4	507.4	547.9	507.2	502.2	538.6
Nuclear	159.4	186.0	207.9	211.3	212.7	218.0
Hydro	24.9	29.1	24.1	25.6	27.3	23.7
Others	76.9	87.4	91.3	96.1	98.6	104.4
Total	1,927.8	2,089.0	2,305.2	2,349.9	2,327.8	2,365.6

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	23.8	22.9	23.6	23.7	23.6	23.4
Oil	39.9	38.3	38.6	40.5	40.3	39.2
Gas++	22.7	24.3	23.8	21.6	21.6	22.8
Nuclear	8.3	8.9	9.0	9.0	9.1	9.2
Hydro	1.3	1.4	1.0	1.1	1.2	1.0
Others	4.0	4.2	4.0	4.1	4.2	4.4

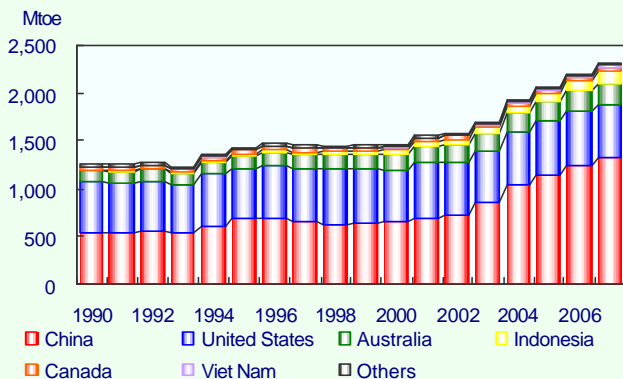
Total Primary Energy Supply by Energy Latin America



	Mtoe					
	1990	1995	2000	2005	2006	2007
Coal++	6.2	8.0	10.6	13.0	13.3	13.4
Oil	94.2	99.7	109.5	123.0	120.2	131.5
Gas++	25.4	27.5	40.5	52.5	57.5	56.5
Nuclear	0.8	2.2	2.1	2.8	2.8	2.7
Hydro	3.7	5.1	5.9	6.2	6.8	6.4
Others	14.3	16.1	18.2	19.6	19.1	19.9
Total	144.6	158.5	186.8	217.0	219.7	230.4

	Share (%)					
	1990	1995	2000	2005	2006	2007
Coal++	4.3	5.0	5.7	6.0	6.1	5.8
Oil	65.1	62.9	58.6	56.7	54.7	57.1
Gas++	17.6	17.3	21.7	24.2	26.2	24.5
Nuclear	0.5	1.4	1.1	1.3	1.3	1.2
Hydro	2.5	3.2	3.2	2.8	3.1	2.8
Others	9.9	10.2	9.7	9.0	8.7	8.6

Indigenous Production of Coal APEC 20

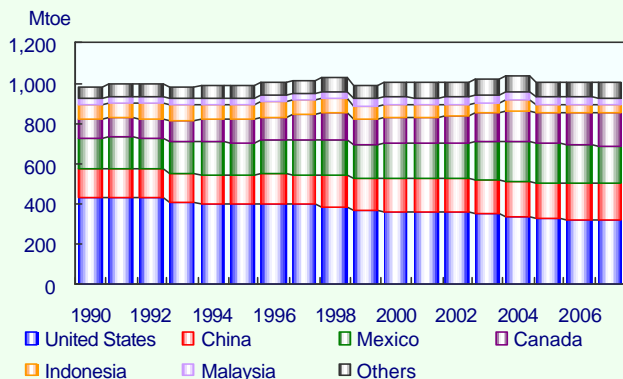


	1990	1995	2000	2005	2006	Mtoe 2007
China	540.0	680.4	649.6	1,143.3	1,239.3	1,322.6
United States	539.2	531.6	544.8	564.2	576.8	567.8
Australia	106.1	127.8	164.6	204.2	203.5	218.4
Indonesia	5.8	24.0	44.0	82.8	105.3	121.4
Canada	37.9	40.8	34.4	31.9	32.4	33.9
Viet Nam	2.6	4.7	6.5	18.1	21.8	24.2
Others	24.4	19.6	17.7	17.5	17.7	18.6
APEC 20	1,255.9	1,428.9	1,461.6	2,062.0	2,196.8	2,306.9

	1990	1995	2000	2005	2006	Share (%) 2007
China	43.0	47.6	44.4	55.4	56.4	57.3
United States	42.9	37.2	37.3	27.4	26.3	24.6
Australia	8.4	8.9	11.3	9.9	9.3	9.5
Indonesia	0.5	1.7	3.0	4.0	4.8	5.3
Canada	3.0	2.9	2.4	1.5	1.5	1.5
Viet Nam	0.2	0.3	0.4	0.9	1.0	1.0
Others	1.9	1.4	1.2	0.9	0.8	0.8

Coal: Hard Coal, Anthracite and Lignite

Indigenous Production of Crude Oil APEC 20

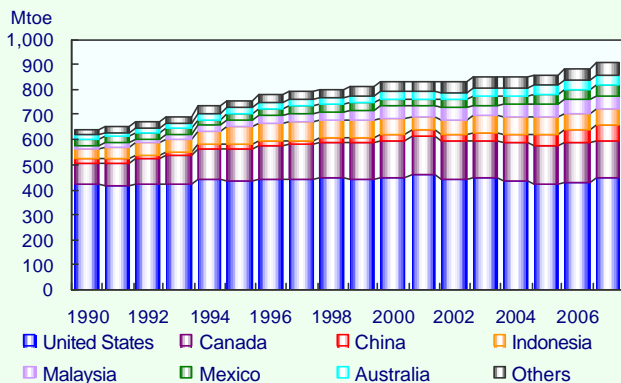


	1990	1995	2000	2005	2006	Mtoe 2007
United States	432.6	397.9	365.6	322.6	317.8	317.6
China	138.4	150.0	163.0	181.4	184.8	186.3
Mexico	152.8	155.3	171.1	197.3	190.5	182.3
Canada	94.5	113.9	128.9	148.0	155.9	161.5
Indonesia	70.7	72.9	69.0	48.1	48.9	46.1
Malaysia	30.6	35.1	33.8	36.7	35.0	34.5
Others	57.0	61.6	76.7	73.3	73.7	74.3
APEC 20	976.6	986.6	1,008.2	1,007.4	1,006.6	1,002.6

	Share (%)					
	1990	1995	2000	2005	2006	2007
United States	44.3	40.3	36.3	32.0	31.6	31.7
China	14.2	15.2	16.2	18.0	18.4	18.6
Mexico	15.6	15.7	17.0	19.6	18.9	18.2
Canada	9.7	11.5	12.8	14.7	15.5	16.1
Indonesia	7.2	7.4	6.8	4.8	4.9	4.6
Malaysia	3.1	3.6	3.4	3.6	3.5	3.4
Others	5.8	6.2	7.6	7.3	7.3	7.4

Crude Oil includes NGL and condensate

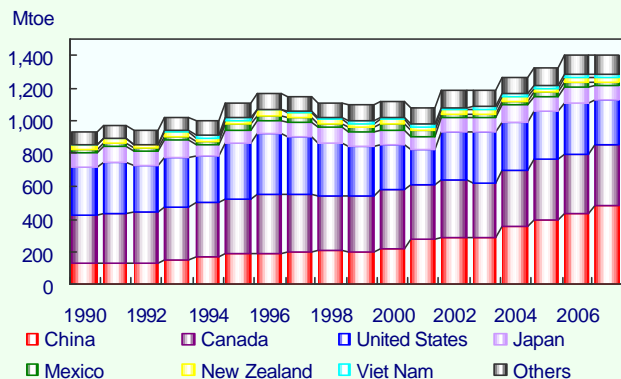
Indigenous Production of Natural Gas APEC 20



	1990	1995	2000	2005	2006	Mtoe 2007
United States	418.2	434.6	446.9	421.6	431.7	445.8
Canada	88.6	130.3	148.4	154.1	154.9	150.6
China	14.2	16.7	25.3	47.4	54.5	64.5
Indonesia	41.0	68.0	65.8	68.7	67.9	63.5
Malaysia	15.5	26.7	44.8	52.0	49.4	51.0
Mexico	22.3	23.6	31.4	36.0	40.5	43.0
Australia	17.7	25.3	28.4	35.2	36.9	38.5
Others	22.8	28.2	39.1	46.2	46.4	47.0
APEC 20	640.4	753.4	830.0	861.1	882.4	903.9

	1990	1995	2000	2005	2006	Share (%) 2007
United States	65.3	57.7	53.8	49.0	48.9	49.3
Canada	13.8	17.3	17.9	17.9	17.6	16.7
China	2.2	2.2	3.1	5.5	6.2	7.1
Indonesia	6.4	9.0	7.9	8.0	7.7	7.0
Mexico	3.5	3.1	3.8	4.2	4.6	4.8
Malaysia	2.4	3.5	5.4	6.0	5.6	5.6
Australia	2.8	3.4	3.4	4.1	4.2	4.3
Others	3.6	3.7	4.7	5.4	5.3	5.2

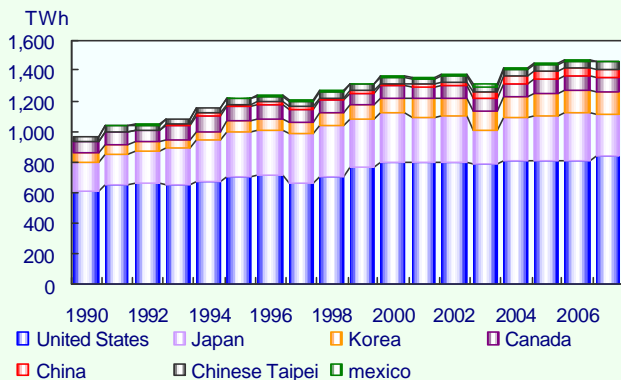
Indigenous Production of Hydro Power APEC 20



	1990	1995	2000	2005	2006	TWh 2007
China	126.7	190.6	222.4	397.0	435.8	485.3
Canada	296.8	336.0	358.6	363.7	355.5	368.5
United States	289.0	337.9	280.0	297.9	317.7	275.5
Japan	91.0	82.8	87.0	87.1	97.6	85.0
Mexico	23.5	27.5	33.1	27.7	30.4	27.3
New Zealand	23.3	27.3	24.4	23.3	23.4	23.5
Viet Nam	5.4	10.6	14.6	17.5	20.4	22.9
Others	74.9	95.2	98.7	104.8	112.6	105.7
APEC 20	930.6	1,107.8	1,118.7	1,319.0	1,393.3	1,393.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
China	13.6	17.2	19.9	30.1	31.3	34.8
Canada	31.9	30.3	32.1	27.6	25.5	26.4
United States	31.0	30.5	25.0	22.6	22.8	19.8
Japan	9.8	7.5	7.8	6.6	7.0	6.1
Mexico	2.5	2.5	3.0	2.1	2.2	2.0
New Zealand	2.5	2.5	2.2	1.8	1.7	1.7
Viet Nam	0.6	1.0	1.3	1.3	1.5	1.6
Others	8.1	8.6	8.8	7.9	8.1	7.6

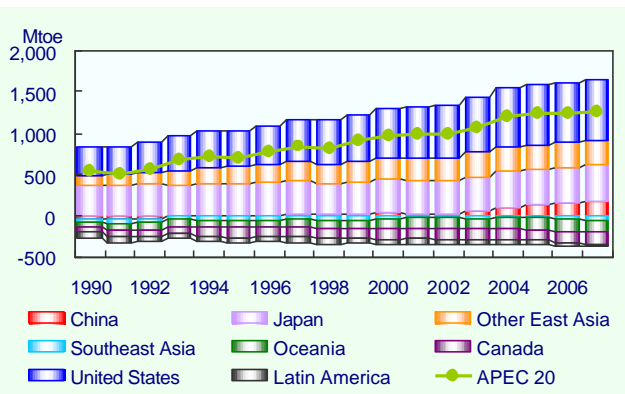
Indigenous Production of Nuclear Power APEC 20



	TWh					
	1990	1995	2000	2005	2006	2007
United States	611.6	713.8	797.7	810.7	816.2	836.6
Japan	195.8	287.9	319.8	293.0	304.3	279.0
Korea	52.9	67.0	109.0	146.8	148.7	142.9
Canada	73.0	97.8	72.8	92.0	98.0	93.5
China	-	12.8	16.7	53.1	54.8	62.1
Chinese Taipei	32.9	35.3	38.5	40.0	39.9	40.5
mexico	2.9	8.4	8.2	10.8	10.9	10.4
Others	-	-	-	-	-	-
APEC 20	969.0	1,223.1	1,362.7	1,446.4	1,472.8	1,465.2

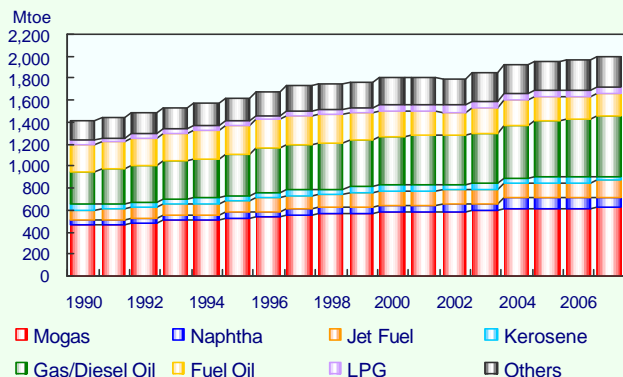
	Share (%)					
	1990	1995	2000	2005	2006	2007
United States	63.1	58.4	58.5	56.0	55.4	57.1
Japan	20.2	23.5	23.5	20.3	20.7	19.0
Korea	5.5	5.5	8.0	10.1	10.1	9.8
Canada	7.5	8.0	5.3	6.4	6.7	6.4
China	-	1.0	1.2	3.7	3.7	4.2
Chinese Taipei	3.4	2.9	2.8	2.8	2.7	2.8
mexico	0.3	0.7	0.6	0.7	0.7	0.7
Others	-	-	-	-	-	-

Net Import by Region APEC 20



	1990	1995	2000	2005	2006	Mtoe 2007
Australia	-64.5	-89.2	-127.1	-147.8	-145.7	-156.3
Brunei Darussalam	-12.9	-14.6	-14.8	-19.3	-19.1	-16.9
Canada	-59.3	-119.6	-127.6	-133.7	-140.5	-149.8
Chile	7.0	10.7	16.2	21.3	22.4	23.5
China	-30.5	-8.9	32.4	137.4	145.4	176.3
Hong Kong, China	10.8	14.3	18.2	23.4	25.2	27.1
Indonesia	-65.9	-85.2	-82.4	-73.9	-98.2	-106.9
Japan	361.6	394.0	406.8	430.7	430.4	428.4
Korea	70.1	134.8	165.1	175.5	185.9	190.3
Malaysia	-25.4	-28.3	-27.4	-30.6	-28.4	-24.1
Mexico	-69.4	-69.1	-72.8	-81.3	-76.8	-62.2
New Zealand	2.1	3.0	3.4	4.9	4.7	4.4
Papua New Guinea	-3.7	-4.0	-2.7	-1.2	-1.3	-0.1
Peru	-0.6	1.8	3.3	2.8	3.5	3.7
Philippines	11.9	17.7	20.0	17.0	17.0	17.1
Singapore	22.9	31.9	40.2	50.9	54.6	55.1
Chinese Taipei	39.4	55.7	76.4	96.4	100.2	102.1
Thailand	18.2	32.6	34.6	48.2	48.4	49.4
United States	342.9	435.5	607.7	736.2	729.5	713.9
Viet Nam	-0.2	-4.7	-9.8	-17.7	-18.7	-19.1
APEC 20	554.6	708.4	959.7	1,239.3	1,238.6	1,255.8

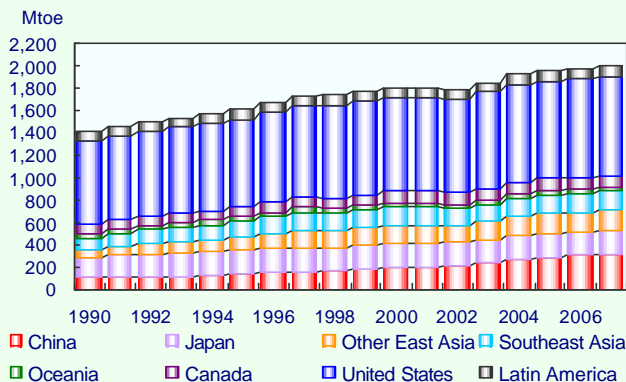
Refining of Petroleum Products by Fuel APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Mogas	462.0	519.2	572.4	609.9	612.2	625.3
Naphtha	37.4	48.9	62.4	95.7	97.2	97.5
Jet Fuel	103.7	110.7	128.8	143.2	142.3	145.9
Kerosene	40.0	48.3	59.7	45.8	43.2	36.0
Gas/Diesel Oil	302.8	370.8	445.4	520.4	531.6	550.2
Fuel Oil	246.0	265.5	242.4	226.0	212.0	205.2
LPG	35.0	45.7	54.0	58.9	62.8	65.2
Others	189.9	200.4	241.1	257.7	270.7	271.2
Total	1,416.7	1,609.5	1,806.2	1,957.5	1,972.1	1,996.6

	Share (%)					
	1990	1995	2000	2005	2006	2007
Mogas	32.6	32.3	31.7	31.2	31.0	31.3
Naphtha	2.6	3.0	3.5	4.9	4.9	4.9
Jet Fuel	7.3	6.9	7.1	7.3	7.2	7.3
Kerosene	2.8	3.0	3.3	2.3	2.2	1.8
Gas/Diesel Oil	21.4	23.0	24.7	26.6	27.0	27.6
Fuel Oil	17.4	16.5	13.4	11.5	10.7	10.3
LPG	2.5	2.8	3.0	3.0	3.2	3.3
Others	13.4	12.4	13.3	13.2	13.7	13.6

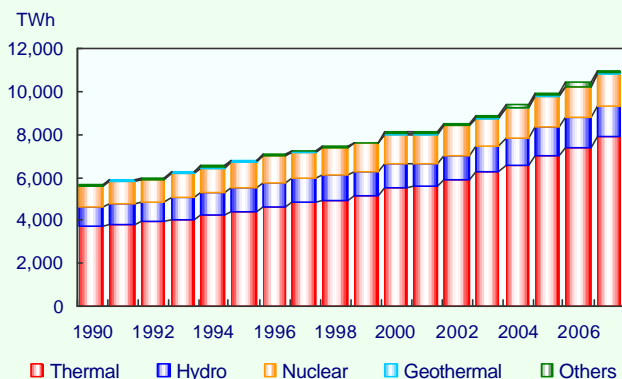
Refining of Petroleum Products by Region APEC 20



	1990	1995	2000	2005	2006	Mtoe 2007
China	107.4	140.6	198.1	284.2	300.8	319.1
Japan	178.5	211.9	215.6	217.7	212.3	210.2
Other East Asia	62.7	118.2	165.1	177.9	179.7	180.0
Southeast Asia	109.8	142.6	154.8	165.7	165.8	167.5
Oceania	36.9	41.2	43.5	40.8	38.1	38.3
Canada	86.7	86.2	96.5	105.1	103.6	107.0
United States	753.8	783.3	849.1	874.7	882.4	884.2
Latin America	80.9	85.5	83.4	91.4	89.2	90.0
APEC 20	1,416.7	1,609.5	1,806.2	1,957.5	1,972.1	1,996.6

	1990	1995	2000	2005	2006	Share (%) 2007
China	7.6	8.7	11.0	14.5	15.3	16.0
Japan	12.6	13.2	11.9	11.1	10.8	10.5
Other East Asia	4.4	7.3	9.1	9.1	9.1	9.0
Southeast Asia	7.8	8.9	8.6	8.5	8.4	8.4
Oceania	2.6	2.6	2.4	2.1	1.9	1.9
Canada	6.1	5.4	5.3	5.4	5.3	5.4
United States	53.2	48.7	47.0	44.7	44.7	44.3
Latin America	5.7	5.3	4.6	4.7	4.5	4.5

Electricity Power Generation by Type APEC 20

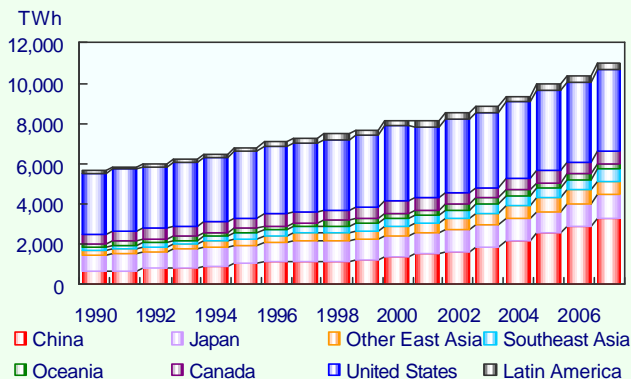


	TWh					
	1990	1995	2000	2005	2006	2007
Thermal	3,685.9	4,371.6	5,505.5	7,006.1	7,349.7	7,911.6
Hydro	930.6	1,107.8	1,118.7	1,319.0	1,393.3	1,393.8
Nuclear	969.0	1,223.1	1,362.7	1,446.4	1,472.8	1,465.2
Geothermal	31.5	34.0	43.3	47.0	46.9	47.9
Others	47.7	53.3	65.8	124.4	140.4	162.3
Total	5,664.8	6,789.9	8,095.9	9,943.0	10,403.1	10,980.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
Thermal	65.1	64.4	68.0	70.5	70.6	72.0
Hydro	16.4	16.3	13.8	13.3	13.4	12.7
Nuclear	17.1	18.0	16.8	14.5	14.2	13.3
Geothermal	0.6	0.5	0.5	0.5	0.5	0.4
Others	0.8	0.8	0.8	1.3	1.3	1.5

"Others" comprises power generated from renewable energy.

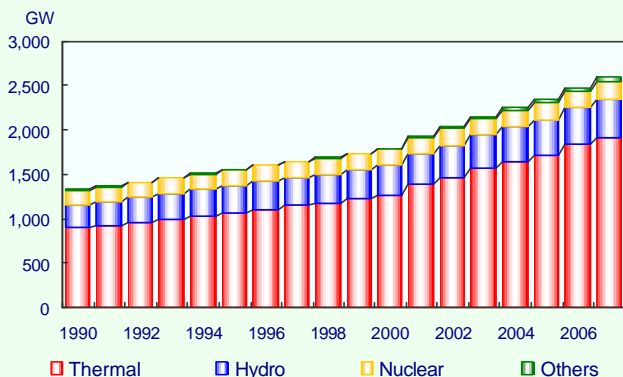
Electricity Power Generation by Region APEC 20



	1990	1995	2000	2005	2006	TWh 2007
China	621.2	1,007.7	1,353.3	2,497.9	2,865.7	3,281.6
Japan	833.6	963.1	1,072.5	1,153.1	1,163.6	1,179.0
Other East Asia	213.9	311.6	473.1	620.8	650.1	679.6
Southeast Asia	156.7	289.9	393.2	498.4	522.6	558.1
Oceania	187.4	203.4	240.2	275.1	281.4	289.2
Canada	481.8	554.0	595.5	615.7	607.8	630.0
United States	3,014.5	3,257.9	3,703.7	3,962.1	3,979.6	4,017.3
Latin America	155.7	202.4	264.3	320.0	332.3	346.0
APEC 20	5,664.8	6,789.9	8,095.9	9,943.0	10,403.1	10,980.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
China	11.0	14.8	16.7	25.1	27.5	29.9
Japan	14.7	14.2	13.2	11.6	11.2	10.7
Other East Asia	3.8	4.6	5.8	6.2	6.2	6.2
Southeast Asia	2.8	4.3	4.9	5.0	5.0	5.1
Oceania	3.3	3.0	3.0	2.8	2.7	2.6
Canada	8.5	8.2	7.4	6.2	5.8	5.7
United States	53.2	48.0	45.7	39.8	38.3	36.6
Latin America	2.7	3.0	3.3	3.2	3.2	3.2

Power Generation Capacity by Type APEC 20

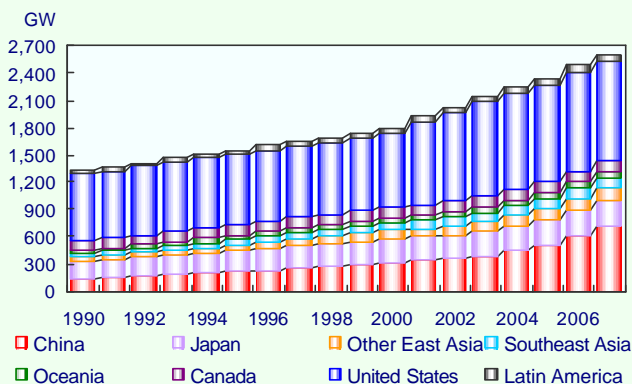


	GW					
	1990	1995	2000	2005	2006	2007
Thermal	902.3	1,063.2	1,258.2	1,723.0	1,838.7	1,918.4
Hydro	264.3	308.6	344.4	392.7	408.5	429.0
Nuclear	158.3	174.4	176.0	197.7	199.6	201.7
Others	8.4	8.2	10.5	27.7	30.8	53.8
Total	1,333.2	1,554.5	1,789.1	2,341.2	2,477.6	2,602.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
Thermal	67.7	68.4	70.3	73.6	74.2	73.7
Hydro	19.8	19.9	19.2	16.8	16.5	16.5
Nuclear	11.9	11.2	9.8	8.4	8.1	7.7
Others	0.6	0.5	0.6	1.2	1.2	2.1

"Others" comprises power generated from renewable energy.

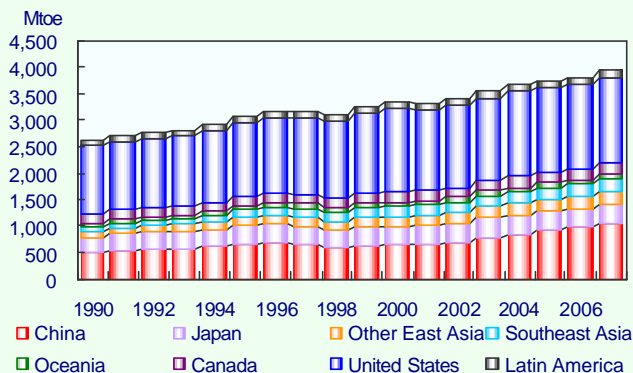
Power Generation Capacity by Region APEC 20



	1990	1995	2000	2005	2006	GW 2007
China	137.9	217.2	319.3	508.4	622.0	713.3
Japan	194.7	227.0	258.8	274.6	274.5	275.5
Other East Asia	46.2	64.2	92.6	121.5	127.4	139.0
Southeast Asia	37.0	59.8	82.1	115.4	117.4	121.7
Oceania	43.2	48.4	55.3	60.3	60.8	64.0
Canada	104.1	115.5	111.3	122.8	123.9	124.7
United States	733.6	776.3	812.6	1,068.6	1,077.8	1,089.5
Latin America	36.5	46.0	57.0	69.6	73.9	75.1
APEC 19	1,333.2	1,554.5	1,789.1	2,341.2	2,477.6	2,602.8

	1990	1995	2000	2005	2006	Share (%) 2007
China	10.3	14.0	17.8	21.7	25.1	27.4
Japan	14.6	14.6	14.5	11.7	11.1	10.6
Other East Asia	3.5	4.1	5.2	5.2	5.1	5.3
Southeast Asia	2.8	3.9	4.6	4.9	4.7	4.7
Oceania	3.2	3.1	3.1	2.6	2.5	2.5
Canada	7.8	7.4	6.2	5.2	5.0	4.8
United States	55.0	49.9	45.4	45.6	43.5	41.9
Latin America	2.7	3.0	3.2	3.0	3.0	2.9

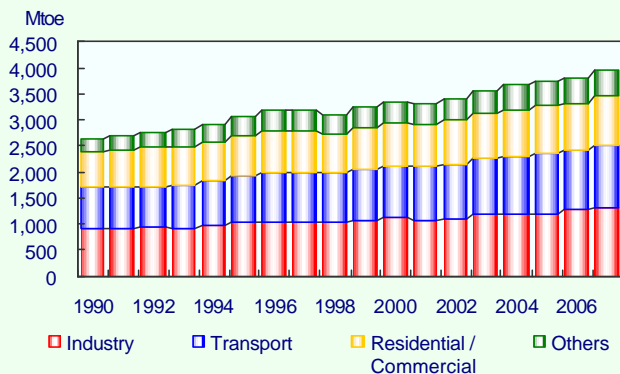
Total Final Energy Consumption by Region APEC 20



	1990	1995	2000	2005	2006	Mtoe 2007
China	489.9	660.7	634.7	906.6	976.3	1,055.2
Japan	305.1	339.9	360.0	363.9	360.9	352.8
Other East Asia	101.7	155.6	195.2	217.9	220.6	230.7
Southeast Asia	99.1	148.1	180.7	227.3	230.4	254.2
Oceania	68.0	76.0	86.0	91.7	91.0	93.4
Canada	159.9	174.5	190.2	203.8	197.3	205.7
United States	1,304.2	1,391.7	1,564.3	1,595.1	1,586.0	1,611.4
Latin America	105.6	117.1	129.4	139.1	145.2	152.6
APEC 20	2,633.4	3,063.6	3,340.6	3,745.4	3,807.7	3,956.0

	1990	1995	2000	2005	2006	Share (%) 2007
China	18.6	21.6	19.0	24.2	25.6	26.7
Japan	11.6	11.1	10.8	9.7	9.5	8.9
Other East Asia	3.9	5.1	5.8	5.8	5.8	5.8
Southeast Asia	3.8	4.8	5.4	6.1	6.1	6.4
Oceania	2.6	2.5	2.6	2.4	2.4	2.4
Canada	6.1	5.7	5.7	5.4	5.2	5.2
United States	49.5	45.4	46.8	42.6	41.7	40.7
Latin America	4.0	3.8	3.9	3.7	3.8	3.9

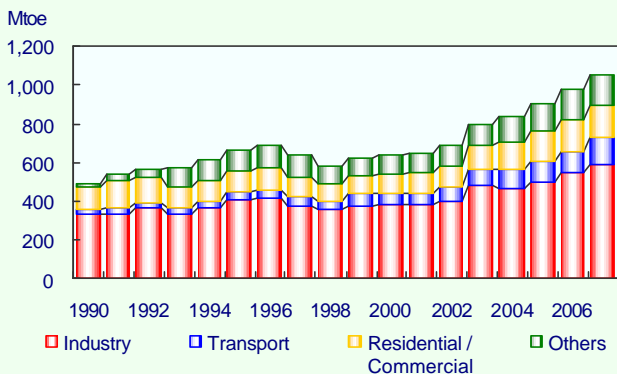
Total Final Energy Consumption by Sector APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	921.4	1,038.5	1,113.1	1,208.1	1,264.1	1,328.7
Transport	769.0	883.8	1,008.4	1,142.3	1,157.1	1,184.8
Residential / Commercial	699.2	778.9	834.5	930.6	911.4	945.3
Others	243.9	362.3	384.6	464.4	475.1	497.2
Total	2,633.4	3,063.6	3,340.6	3,745.4	3,807.7	3,956.0

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	35.0	33.9	33.3	32.3	33.2	33.6
Transport	29.2	28.8	30.2	30.5	30.4	30.0
Residential / Commercial	26.6	25.4	25.0	24.8	23.9	23.9
Others	9.3	11.8	11.5	12.4	12.5	12.6

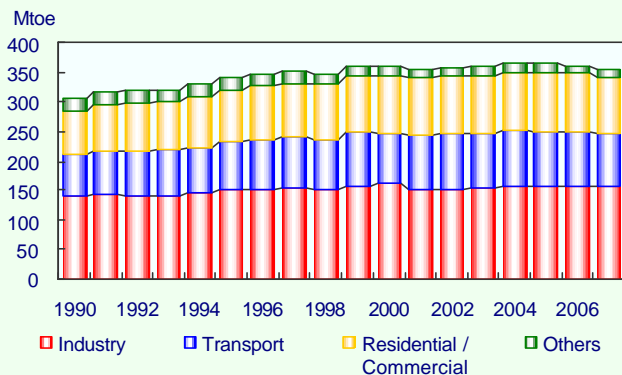
Total Final Energy Consumption by Sector China



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	329.8	410.0	379.3	497.5	544.1	593.1
Transport	28.8	36.4	60.1	107.9	116.0	130.0
Residential / Commercial	118.4	107.0	96.0	153.4	159.2	169.2
Others	13.0	107.3	99.3	147.8	156.9	163.0
Total	489.9	660.7	634.7	906.6	976.3	1,055.2

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	67.3	62.1	59.8	54.9	55.7	56.2
Transport	5.9	5.5	9.5	11.9	11.9	12.3
Residential / Commercial	24.2	16.2	15.1	16.9	16.3	16.0
Others	2.6	16.2	15.6	16.3	16.1	15.4

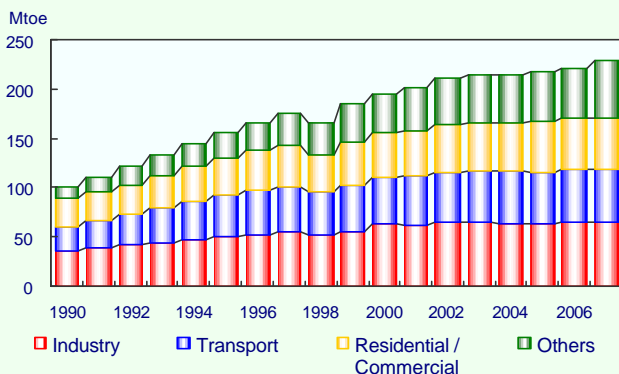
Total Final Energy Consumption by Sector Japan



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	140.8	150.4	160.7	156.2	156.1	156.7
Transport	70.1	81.3	86.9	93.6	92.7	90.2
Residential / Commercial	74.7	89.2	95.5	100.2	99.3	94.0
Others	19.6	19.0	16.8	13.9	12.7	11.9
Total	305.1	339.9	360.0	363.9	360.9	352.8

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	46.1	44.2	44.7	42.9	43.3	44.4
Transport	23.0	23.9	24.1	25.7	25.7	25.6
Residential / Commercial	24.5	26.2	26.5	27.5	27.5	26.6
Others	6.4	5.6	4.7	3.8	3.5	3.4

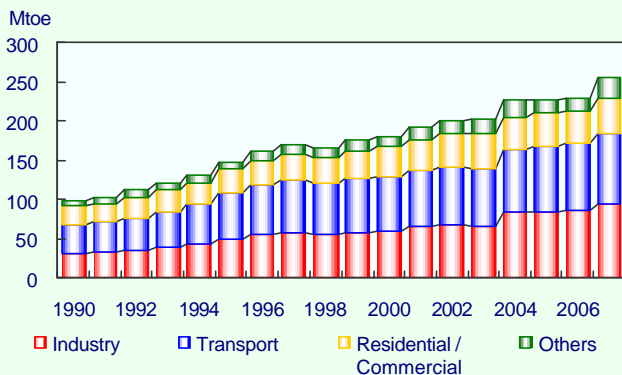
Total Final Energy Consumption by Sector Other East Asia



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	36.0	50.3	62.9	63.8	65.5	64.9
Transport	25.2	42.7	48.5	52.4	53.2	53.8
Residential / Commercial	28.7	37.6	44.7	52.3	51.6	52.2
Others	11.8	25.0	39.1	49.4	50.3	59.8
Total	101.7	155.6	195.2	217.9	220.6	230.7

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	35.4	32.3	32.2	29.3	29.7	28.1
Transport	24.8	27.5	24.9	24.0	24.1	23.3
Residential / Commercial	28.2	24.2	22.9	24.0	23.4	22.6
Others	11.6	16.0	20.0	22.7	22.8	25.9

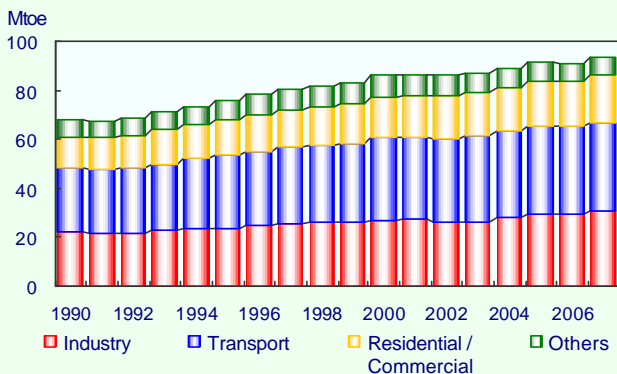
Total Final Energy Consumption by Sector Southeast Asia



	1990	1995	2000	2005	2006	2007
Industry	31.1	50.7	60.4	83.4	86.5	94.7
Transport	36.7	57.1	68.8	85.3	84.4	88.0
Residential / Commercial	23.1	29.8	38.6	42.4	43.3	46.2
Others	8.1	10.5	13.0	16.2	16.3	25.3
Total	99.1	148.1	180.7	227.3	230.4	254.2

	1990	1995	2000	2005	2006	2007
Industry	31.4	34.2	33.4	36.7	37.5	37.3
Transport	37.1	38.5	38.1	37.5	36.6	34.6
Residential / Commercial	23.4	20.1	21.3	18.7	18.8	18.2
Others	8.1	7.1	7.2	7.1	7.1	10.0

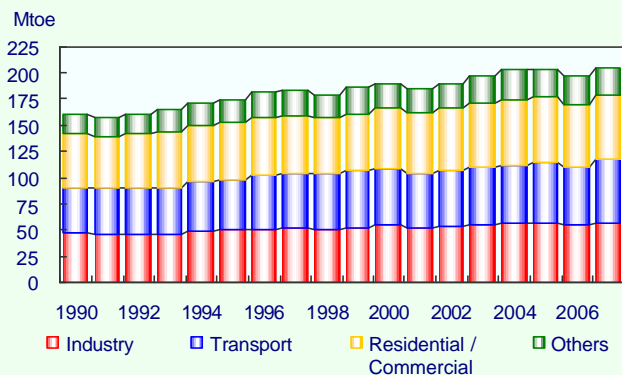
Total Final Energy Consumption by Sector Oceania



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	22.2	24.2	27.3	29.4	29.9	30.6
Transport	26.2	29.4	33.1	36.2	35.6	36.4
Residential / Commercial	12.9	14.6	16.7	18.4	18.2	18.8
Others	6.6	7.7	8.9	7.8	7.3	7.5
Total	68.0	76.0	86.0	91.7	91.0	93.4

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	32.6	31.8	31.7	32.1	32.9	32.8
Transport	38.6	38.8	38.5	39.4	39.1	39.0
Residential / Commercial	19.0	19.3	19.4	20.1	20.0	20.2
Others	9.8	10.2	10.4	8.5	8.0	8.0

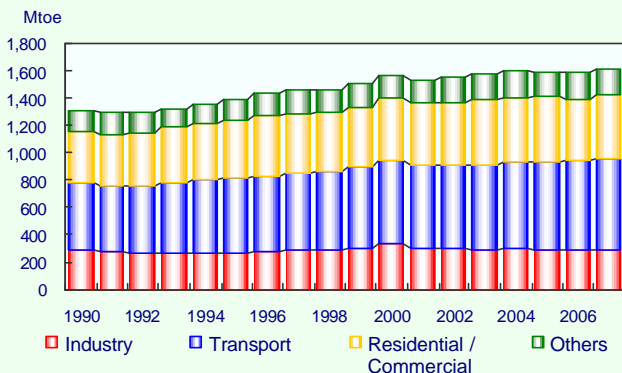
Total Final Energy Consumption by Sector Canada



	1990	1995	2000	2005	2006	Mtoe 2007
Industry	47.3	50.1	54.7	57.5	54.3	57.5
Transport	44.0	48.6	53.3	56.6	56.3	58.8
Residential / Commercial	50.6	54.0	58.3	62.4	59.5	62.8
Others	18.0	21.8	24.0	27.2	27.1	26.6
Total	159.9	174.5	190.2	203.8	197.3	205.7

	1990	1995	2000	2005	2006	Share (%) 2007
Industry	29.6	28.7	28.7	28.2	27.5	28.0
Transport	27.5	27.9	28.0	27.8	28.5	28.6
Residential / Commercial	31.6	30.9	30.6	30.6	30.2	30.5
Others	11.3	12.5	12.6	13.3	13.7	12.9

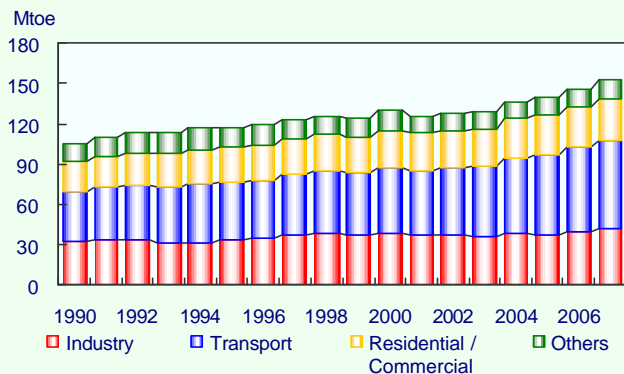
Total Final Energy Consumption by Sector United States of America



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	281.3	269.4	328.9	282.2	287.9	289.5
Transport	500.7	544.9	609.7	651.3	655.7	661.5
Residential / Commercial	369.1	421.0	457.2	472.1	450.1	471.9
Others	153.0	156.4	168.6	189.6	192.3	188.4
Total	1,304.2	1,391.7	1,564.3	1,595.1	1,586.0	1,611.4

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	21.6	19.4	21.0	17.7	18.2	18.0
Transport	38.4	39.2	39.0	40.8	41.3	41.1
Residential / Commercial	28.3	30.3	29.2	29.6	28.4	29.3
Others	11.7	11.2	10.8	11.9	12.1	11.7

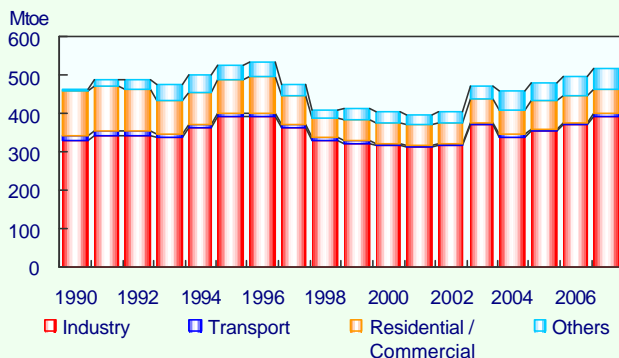
Total Final Energy Consumption by Sector Latin America



	1990	1995	2000	2005	2006	Mtoe 2007
Industry	32.8	33.4	38.9	38.1	39.7	41.6
Transport	37.2	43.4	48.0	59.1	63.1	66.1
Residential / Commercial	21.7	25.6	27.7	29.3	30.1	30.3
Others	13.8	14.7	14.9	12.5	12.3	14.7
Total	105.6	117.1	129.4	139.1	145.2	152.6

	1990	1995	2000	2005	2006	Share (%) 2007
Industry	31.1	28.6	30.1	27.4	27.4	27.3
Transport	35.2	37.1	37.1	42.5	43.4	43.3
Residential / Commercial	20.6	21.8	21.4	21.1	20.7	19.8
Others	13.1	12.5	11.5	9.0	8.5	9.6

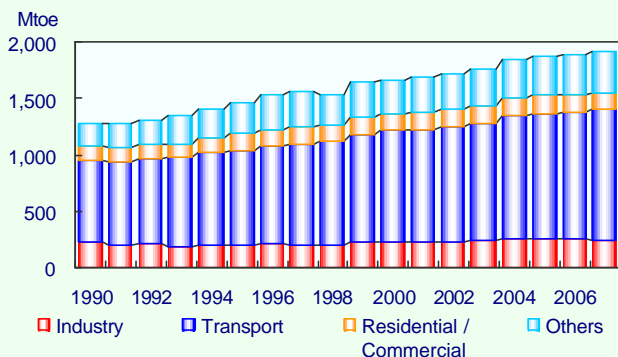
Coal++ Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	330.0	393.3	317.7	354.5	372.8	394.4
Transport	11.2	7.1	5.6	5.6	4.8	4.6
Residential / Commercial	116.1	88.1	51.6	72.5	66.3	64.2
Others	6.1	36.3	28.1	47.1	49.4	52.3
Total	463.4	524.8	402.9	479.7	493.3	515.4

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	71.2	74.9	78.8	73.9	75.6	76.5
Transport	2.4	1.4	1.4	1.2	1.0	0.9
Residential / Commercial	25.1	16.8	12.8	15.1	13.4	12.4
Others	1.3	6.9	7.0	9.8	10.0	10.1

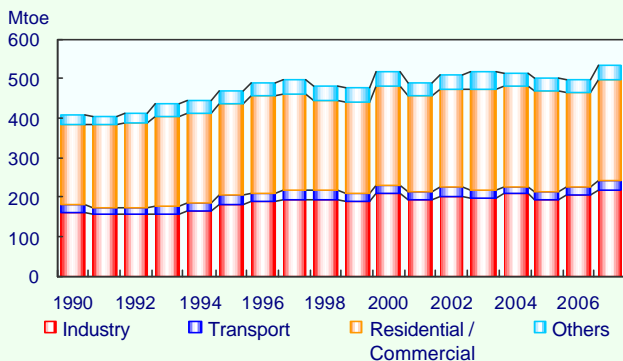
Oil Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	214.5	195.8	233.2	254.4	254.2	246.0
Transport	735.7	849.7	976.0	1,108.4	1,123.5	1,149.2
Residential / Commercial	126.6	142.6	157.9	160.5	152.9	155.6
Others	191.4	276.8	299.2	347.8	352.8	366.9
Total	1,268.3	1,465.0	1,666.3	1,871.1	1,883.5	1,917.7

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	16.9	13.4	14.0	13.6	13.5	12.8
Transport	58.0	58.0	58.6	59.2	59.6	59.9
Residential / Commercial	10.0	9.7	9.5	8.6	8.1	8.1
Others	15.1	18.9	18.0	18.6	18.7	19.1

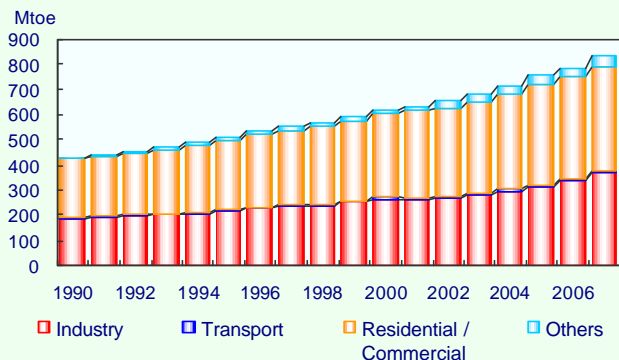
Gas++ Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	163.0	181.7	211.2	194.4	204.8	218.4
Transport	18.4	22.4	21.0	20.9	21.1	22.8
Residential / Commercial	201.1	230.9	247.7	252.4	239.8	257.3
Others	24.6	32.8	37.1	32.4	32.6	35.4
Total	407.2	467.8	517.0	500.2	498.4	533.9

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	40.0	38.8	40.9	38.9	41.1	40.9
Transport	4.5	4.8	4.1	4.2	4.2	4.3
Residential / Commercial	49.4	49.4	47.9	50.5	48.1	48.2
Others	6.0	7.0	7.2	6.5	6.6	6.6

Electricity Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2005	2006	2007
Industry	188.2	218.8	266.1	314.8	338.7	368.3
Transport	3.7	4.5	5.7	7.4	7.7	8.3
Residential / Commercial	231.9	275.7	335.1	395.0	403.7	417.1
Others	7.3	11.5	15.0	35.8	38.6	40.7
Total	431.1	510.5	621.9	753.0	788.7	834.4

	Share (%)					
	1990	1995	2000	2005	2006	2007
Industry	43.7	42.9	42.8	41.8	42.9	44.1
Transport	0.9	0.9	0.9	1.0	1.0	1.0
Residential / Commercial	53.8	54.0	53.9	52.5	51.2	50.0
Others	1.7	2.2	2.4	4.8	4.9	4.9

APEC 21, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	2,452,991	-	1,492,721	6,222
2 Import	314,827	8,756	1,356,792	427,709
3 Export	-399,871	-14,724	-543,428	-372,422
4 International Marine Bunkers	-	-	-	-93,579
5 Stock Change	-7,626	-4,602	743	1,319
6 Total Primary Energy Supply	2,360,321	-10,571	2,306,829	-30,752
7 Main Activity Producer	-1,367,112	-87,731	-7,787	-72,994
8 Autoproducers of Electricity	-101,373	-22,401	-867	-37,104
9 Gas Processing	-9,881	-1,823	-	-1,566
10 Petroleum Refineries	-	-	-2,231,289	2,226,237
11 Coal Transformation	-417,142	283,717	-	-597
12 Other Transformation	-	-	19,791	-7,266
13 Loss & Own Use	-48,785	-12,519	-11,357	-114,278
14 Discrepancy	-15,956	-9,580	4,771	-30,914
15 Total Final Energy Consumption	400,072	139,094	7,529	2,016,961
16 Industry Sector	298,067	115,441	2,860	255,647
17 Transport Sector	4,585	4	8	1,205,950
18 Other Sector	75,997	9,350	20	252,362
18.1 Residential & Commercial	59,824	8,613	-	164,651
18.2 Agriculture	12,044	556	20	59,392
18.3 Other	4,129	181	-	28,319
19 Non-energy	21,422	14,299	4,641	303,002

Australia, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	218,406	-	25,302	-
2 Import	-	27	20,740	10,990
3 Export	-158,314	-	-15,104	-1,455
4 International Marine Bunkers	-	-	-	-835
5 Stock Change	-4,998	-367	272	158
6 Total Primary Energy Supply	55,094	-340	31,210	8,858
7 Main Activity Producer	-49,137	-644	-	-525
8 Autoproducers of Electricity	-	-18	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-34,936	32,507
11 Coal Transformation	-3,361	2,218	-	-21
12 Other Transformation	-	-	82	-
13 Loss & Own Use	-	-288	-43	-2,389
14 Discrepancy	-78	0	4,677	-6,916
15 Total Final Energy Consumption	2,518	927	-	39,535
16 Industry Sector	2,412	861	-	3,826
17 Transport Sector	85	-	-	29,532
18 Other Sector	21	65	-	2,779
18.1 Residential & Commercial	21	65	-	856
18.2 Agriculture	-	-	-	1,923
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	3,398

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
1,425,848	135,720	423,551	49,686	146,732	-	-	6,133,470
283,923	-	-	-	1,220	8,659	-	2,401,886
-351,643	-	-	-	-10	-9,163	-	-1,691,261
-	-	-	-	-	-	-	-93,579
6,508	-	-	-	-46	-	-	-3,704
1,364,636	135,720	423,551	49,686	147,896	-504	-	6,746,813
-513,583	-131,741	-423,551	-45,731	-18,323	996,493	101,567	-1,570,494
-62,531	-3,563	-	-400	-25,749	68,987	126,838	-58,163
-3,562	-	-	-	-	-	-	-16,831
-	-	-	-	-	-	-	-5,052
-82	-	-	-	-	-	-	-134,104
-2,382	-	-	-	-16,498	-	-	-6,355
-125,939	-1	-	-0	-139	-168,123	-44,405	-525,546
8,489	-416	-	0	2,960	-2,182	-1,693	-44,521
665,047	-	-	3,554	90,146	894,670	182,306	4,399,379
245,257	-	-	258	57,877	398,640	88,416	1,462,464
57,769	-	-	-	-	15,715	-	1,284,032
306,508	-	-	3,296	32,269	480,315	93,890	1,254,007
301,596	-	-	3,296	31,393	438,207	89,315	1,096,895
1,468	-	-	-	753	12,764	2,989	89,986
3,444	-	-	-	123	29,345	1,585	67,126
55,513	-	-	-	-	-	-	398,877

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
38,534	1,266	-	679	5,353	-	-	289,540
4,598	-	-	-	-	-	-	36,355
-17,774	-	-	-	-	-	-	-192,646
-	-	-	-	-	-	-	-835
-	-	-	-	-	-	-	-4,935
25,359	1,266	-	679	5,353	-	-	127,479
-6,355	-1,242	-	-537	-285	21,116	-	-37,609
-3,015	-24	-	-	-856	1,122	-	-2,791
1,293	-	-	-	-	-	-	1,293
-	-	-	-	-	-	-	-2,429
-82	-	-	-	-	-	-	-1,247
-	-	-	-	-87	-	-	-5
-7,895	-	-	-	-	-3,874	-	-14,490
4,135	-	-	-	0	0	-	1,819
13,440	-	-	142	4,126	18,365	-	79,052
8,552	-	-	-	2,630	8,213	-	26,494
403	-	-	-	-	228	-	30,248
3,860	-	-	142	1,495	9,923	-	18,286
3,857	-	-	142	1,495	9,763	-	16,201
3	-	-	-	-	160	-	2,085
-	-	-	-	-	-	-	-
626	-	-	-	-	-	-	4,024

Brunei Darussalam, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	9,424	16
2 Import	-	-	-	8
3 Export	-	-	-8,704	-
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	40	-1
6 Total Primary Energy Supply	-	-	760	23
7 Main Activity Peoducer	-	-	-	-8
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-696	652
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-176
14 Discrepancy	-	-	-63	23
15 Total Final Energy Consumption	-	-	-	513
16 Industry Sector	-	-	-	54
17 Transport Sector	-	-	-	434
18 Other Sector	-	-	-	17
18.1 Residential & Commercial	-	-	-	17
18.2 Agriculture	-	-	-	0
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	8

Canada, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	33,887	-	161,514	-
2 Import	12,990	565	43,238	13,478
3 Export	-17,868	-116	-98,608	-21,726
4 International Marine Bunkers	-	-	-	-633
5 Stock Change	617	-	-1,101	-616
6 Total Primary Energy Supply	29,626	449	105,043	-9,497
7 Main Activity Peoducer	-24,654	-	-	-2,137
8 Autoproducers of Electricity	-5	-26	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-100,336	107,034
11 Coal Transformation	-2,912	1,351	-	-
12 Other Transformation	-	-	620	-
13 Loss & Own Use	-26	-330	-	-9,964
14 Discrepancy	-222	-0	3,008	-9,809
15 Total Final Energy Consumption	1,806	1,443	-	92,986
16 Industry Sector	1,770	1,443	-	6,216
17 Transport Sector	-	-	-	54,325
18 Other Sector	36	-	-	13,049
18.1 Residential & Commercial	36	-	-	10,516
18.2 Agriculture	-	-	-	2,533
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	19,397

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
11,394	-	-	-	-	-	-	20,834
-	-	-	-	-	-	-	8
-8,240	-	-	-	-	-	-	-16,944
-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	51
3,166	-	-	-	-	-	-	3,949
-1,030	-	-	-	-	262	-	-776
-863	-	-	-	-	30	-	-833
-92	-	-	-	-	-	-	-92
-	-	-	-	-	-	-	-45
-	-	-	-	-	-	-	-
-539	-	-	-	-	-24	-	-740
-614	-	-	-	-	0	-	-655
29	-	-	-	-	268	-	810
-	-	-	-	-	48	-	102
-	-	-	-	-	-	-	434
29	-	-	-	-	220	-	265
29	-	-	-	-	220	-	265
-	-	-	-	-	-	-	0
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	8

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
150,630	31,693	24,364	262	11,456	-	-	413,806
10,203	-	-	-	257	1,667	-	82,398
-90,037	-	-	-	-10	-3,843	-	-232,208
-	-	-	-	-	-	-	-633
8,225	-	-	-	-	-	-	7,125
79,021	31,693	24,364	262	11,703	-2,177	-	270,487
-6,176	-29,147	-24,364	-262	-11	50,732	804	-35,214
-1,923	-2,546	-	-	-1,983	4,294	43	-2,146
-1,150	-	-	-	-	-	-	-1,150
-	-	-	-	-	-	-	6,698
-	-	-	-	-	-	-	-1,561
-569	-	-	-	-660	-	-	-609
-15,029	-	-	-	-1	-9,133	-	-34,483
1,640	-	-	-	0	-	0	-5,382
55,814	-	-	-	9,048	43,717	848	205,661
22,724	-	-	-	7,190	17,446	711	57,501
4,149	-	-	-	-	348	-	58,821
25,600	-	-	-	1,858	25,923	136	66,601
25,120	-	-	-	1,858	25,129	91	62,750
479	-	-	-	0	779	1	3,793
-	-	-	-	-	14	44	58
3,342	-	-	-	-	-	-	22,738

Chile, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	161	-	593	-
2 Import	3,922	23	11,095	7,199
3 Export	-	-31	-	-1,218
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-706	-50	-458	-441
6 Total Primary Energy Supply	3,377	-58	11,229	5,539
7 Main Activity Peoducer	-2,520	-	-	-3,007
8 Autoproducers of Electricity	-6	-	-	-127
9 Gas Processing	-	-	-	-59
10 Petroleum Refineries	-	-	-10,765	10,562
11 Coal Transformation	-475	510	-	-16
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-29	-126	-	-482
14 Discrepancy	-11	12	-0	2
15 Total Final Energy Consumption	336	338	-	12,877
16 Industry Sector	326	338	-	3,196
17 Transport Sector	-	-	-	8,200
18 Other Sector	10	-	-	1,318
18.1 Residential & Commercial	4	-	-	1,205
18.2 Agriculture	-	-	-	-
18.3 Other	6	-	-	114
19 Non-energy	-	-	-	163

China, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,322,584	-	186,318	-
2 Import	30,633	0	163,160	42,412
3 Export	-27,908	-10,435	-3,884	-18,092
4 International Marine Bunkers	-	-	-	-2,793
5 Stock Change	-5,369	-4,675	-5,244	1,082
6 Total Primary Energy Supply	1,319,940	-15,110	340,351	22,609
7 Main Activity Peoducer	-660,037	-943	-	-
8 Autoproducers of Electricity	-61,982	-9,723	-165	-13,031
9 Gas Processing	-8,038	-1,823	-	-50
10 Petroleum Refineries	-	-	-328,326	319,100
11 Coal Transformation	-226,598	117,613	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-46,849	-3,282	-7,693	-6,170
14 Discrepancy	-7,259	-3,440	-35	-434
15 Total Final Energy Consumption	309,177	83,292	4,132	322,024
16 Industry Sector	215,504	61,729	2,836	84,896
17 Transport Sector	4,500	4	-	119,927
18 Other Sector	68,352	7,417	-	78,852
18.1 Residential & Commercial	52,376	6,680	-	37,724
18.2 Agriculture	11,860	556	-	21,765
18.3 Other	4,116	181	-	19,363
19 Non-energy	20,822	14,142	1,296	38,349

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
1,083	1,958	-	-	4,735	-	-	8,529
2,339	-	-	-	-	140	-	24,718
-	-	-	-	-	-	-	-1,250
-	-	-	-	-	-	-	-
-69	-	-	-	-	-	-	-1,724
3,353	1,958	-	-	4,735	140	-	30,273
-882	-1,917	-	-	-24	4,649	-	-3,701
-37	-41	-	-	-470	383	-	-298
8	-	-	-	-	-	-	-51
-	-	-	-	-	-	-	-202
-	-	-	-	-	-	-	19
-	-	-	-	-	-	-	-
-117	-	-	-	-	-611	-	-1,365
0	-0	-	-	-0	0	-	4
2,326	-	-	-	4,241	4,561	-	24,679
226	-	-	-	1,452	3,080	-	8,619
23	-	-	-	-	35	-	8,258
545	-	-	-	2,789	1,445	-	6,108
533	-	-	-	2,789	1,425	-	5,956
-	-	-	-	-	-	-	-
11	-	-	-	-	21	-	152
1,532	-	-	-	-	-	-	1,695

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
64,462	41,733	16,191	-	6,429	-	-	1,637,717
3,743	-	-	-	-	366	-	240,314
-2,421	-	-	-	-	-1,253	-	-63,992
-	-	-	-	-	-	-	-2,793
-	-	-	-	-	-	-	-14,206
65,784	41,733	16,191	-	6,429	-887	-	1,797,040
-	-41,733	-16,191	-	-3,462	264,082	34,718	-423,565
-9,357	-	-	-	-	18,131	27,480	-48,646
7,791	-	-	-	-	-	-	-2,119
-	-	-	-	-	-	-	-9,226
-	-	-	-	-	-	-	-108,985
-394	-	-	-	-	-	-	-394
-9,661	-	-	-	-39	-51,319	-10,114	-135,127
-916	-	-	-	-2	-58	-1,598	-13,741
53,248	-	-	-	2,926	229,950	50,486	1,055,236
28,122	-	-	-	2,926	162,640	34,432	593,085
979	-	-	-	-	4,574	-	129,984
20,245	-	-	-	-	62,735	16,055	253,655
18,747	-	-	-	-	39,152	14,528	169,206
-	-	-	-	-	8,419	28	42,628
1,498	-	-	-	-	15,164	1,499	41,821
3,903	-	-	-	-	-	-	78,512

Hong Kong, China, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	-	-
2 Import	7,727	-	-	17,666
3 Export	-2	-	-	-960
4 International Marine Bunkers	-	-	-	-8,355
5 Stock Change	-245	-	-	-619
6 Total Primary Energy Supply	7,480	-	-	7,732
7 Main Activity Peoducer	-7,478	-	-	-30
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-363
10 Petroleum Refineries	-	-	-	-
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-0	-	-	-597
15 Total Final Energy Consumption	2	-	-	6,742
16 Industry Sector	2	-	-	319
17 Transport Sector	-	-	-	6,178
18 Other Sector	-	-	-	245
18.1 Residential & Commercial	-	-	-	245
18.2 Agriculture	-	-	-	-
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	-

Indonesia, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	121,445	-	46,073	-
2 Import	38	-	15,483	21,743
3 Export	-89,646	-	-17,633	-6,284
4 International Marine Bunkers	-	-	-	-
5 Stock Change	2,501	-	212	-167
6 Total Primary Energy Supply	34,337	-	44,134	15,292
7 Main Activity Peoducer	-18,110	-	-	-10,278
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-43,789	46,186
11 Coal Transformation	-28	24	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-6	-61	-86
14 Discrepancy	-0	0	336	-0
15 Total Final Energy Consumption	16,199	17	-	51,733
16 Industry Sector	16,199	17	-	7,613
17 Transport Sector	-	-	-	26,501
18 Other Sector	-	-	-	12,318
18.1 Residential & Commercial	-	-	-	9,191
18.2 Agriculture	-	-	-	-
18.3 Other	-	-	-	3,127
19 Non-energy	-	-	-	5,301

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
-	-	-	-	98	-	-	98
2,041	-	-	-	-	942	-	28,377
-	-	-	-	-	-347	-	-1,309
-	-	-	-	-	-	-	-8,355
-172	-	-	-	-	-	-	-1,036
1,870	-	-	-	98	595	-	17,776
-1,224	-	-	-	-	3,839	-	-4,893
-	-	-	-	-98	98	-	0
397	-	-	-	-	-	-	35
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-921	-	-921
-397	-	-	-	-	-89	-	-1,083
646	-	-	-	-	3,523	-	10,914
21	-	-	-	-	313	-	656
-	-	-	-	-	60	-	6,237
625	-	-	-	-	3,150	-	4,020
625	-	-	-	-	3,150	-	4,020
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
63,537	971	-	6,038	-	-	-	238,064
-	-	-	-	-	-	-	37,263
-30,563	-	-	-	-	-	-	-144,127
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	2,546
32,975	971	-	6,038	-	-	-	133,746
-4,793	-971	-	-6,038	-	12,250	-	-27,940
-	-	-	-	-	-	-	-
-6,915	-	-	-	-	-	-	-6,915
-	-	-	-	-	-	-	2,397
-	-	-	-	-	-	-	-4
-	-	-	-	-	-	-	-
-9,966	-	-	-	-	-2,036	-	-12,154
-1,390	-	-	-	-	221	-	-833
9,912	-	-	-	-	10,435	-	88,297
7,658	-	-	-	-	3,939	-	35,427
6	-	-	-	-	7	-	26,515
51	-	-	-	-	6,488	-	18,857
51	-	-	-	-	6,488	-	15,730
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	3,127
2,197	-	-	-	-	-	-	7,498

Japan, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	722	-	833	-
2 Import	111,588	1,392	206,464	45,290
3 Export	-	-1,072	-	-13,740
4 International Marine Bunkers	-	-	-	-5,939
5 Stock Change	-	-	2,370	732
6 Total Primary Energy Supply	112,310	320	209,668	26,343
7 Main Activity Producer	-48,517	-4,740	-7,787	-12,584
8 Autoproducers of Electricity	-8,757	-2,839	-	-10,184
9 Gas Processing	-	-	-	-967
10 Petroleum Refineries	-	-	-206,946	210,233
11 Coal Transformation	-39,718	35,803	-	-560
12 Other Transformation	-	-	5,630	-5,724
13 Loss & Own Use	-170	-3,242	-	-12,979
14 Discrepancy	744	-3,442	-564	535
15 Total Final Energy Consumption	15,892	21,860	-	194,112
16 Industry Sector	15,892	20,998	-	64,526
17 Transport Sector	-	-	-	88,368
18 Other Sector	-	862	-	36,172
18.1 Residential & Commercial	-	862	-	29,669
18.2 Agriculture	-	-	-	4,385
18.3 Other	-	-	-	2,118
19 Non-energy	-	-	-	5,046

Republic of Korea, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,328	-	581	-
2 Import	54,117	358	120,853	24,365
3 Export	-	-	-27	-39,317
4 International Marine Bunkers	-	-	-	-9,680
5 Stock Change	505	-	670	181
6 Total Primary Energy Supply	55,949	358	122,077	-24,451
7 Main Activity Producer	-34,051	-	-	-4,563
8 Autoproducers of Electricity	-1,491	-2,614	-	-522
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-130,789	126,436
11 Coal Transformation	-16,008	7,918	-	-
12 Other Transformation	-	-	90	-73
13 Loss & Own Use	-	-1,841	-35	-5,155
14 Discrepancy	380	0	8,657	-9,710
15 Total Final Energy Consumption	4,779	3,821	-	83,900
16 Industry Sector	4,779	2,820	-	7,296
17 Transport Sector	-	-	-	32,520
18 Other Sector	-	1,001	-	9,948
18.1 Residential & Commercial	-	1,001	-	6,749
18.2 Agriculture	-	-	-	1,273
18.3 Other	-	-	-	1,926
19 Non-energy	-	-	-	34,135

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
3,448	7,313	72,710	3,551	7,785	-	-	96,361
78,437	-	-	-	-	-	-	443,171
-	-	-	-	-	-	-	-14,811
-	-	-	-	-	-	-	-5,939
-19	-	-	-	-	-	-	3,083
81,865	7,313	72,710	3,551	7,785	-	-	521,865
-50,517	-6,664	-72,710	-2,598	-1,240	85,192	674	-121,492
-3,315	-649	-	-385	-6,610	16,101	-	-16,637
1,097	-	-	-	-	-	-	130
-	-	-	-	-	-	-	3,286
-	-	-	-	-	-	-	-4,475
-	-	-	-	-	-	-	-94
-3,266	-	-	-	-	-11,748	-	-31,405
2,622	-0	-	0	3,102	-1,294	-82	1,621
28,487	-	-	568	3,037	88,251	592	352,799
13,961	-	-	-	3,008	38,348	-	156,733
-	-	-	-	-	1,829	-	90,197
14,526	-	-	568	29	48,074	592	100,824
14,526	-	-	568	29	47,736	592	93,982
-	-	-	-	-	339	-	4,723
-	-	-	-	-	-	-	2,118
-	-	-	-	-	-	-	5,046

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
317	434	37,249	79	2,571	-	-	42,559
29,915	-	-	-	29	-	-	229,636
-	-	-	-	-	-	-	-39,343
-	-	-	-	-	-	-	-9,680
955	-	-	-	-	-	-	2,311
31,187	434	37,249	79	2,600	-	-	225,483
-13,862	-434	-37,249	-33	-105	34,481	1,461	-54,356
-528	-	-	-5	-390	2,268	3,283	2
48	-	-	-	-	-	-	48
-	-	-	-	-	-	-	-4,353
-	-	-	-	-	-	-	-8,090
-	-	-	-	-57	-	-	-40
-326	-	-	-	-	-3,060	-141	-10,557
476	-	-	-0	0	-47	-13	-258
16,995	-	-	40	2,048	33,642	4,590	149,816
4,890	-	-	1	1,659	17,245	2,998	41,689
582	-	-	-	-	211	-	33,313
11,523	-	-	40	389	16,185	1,592	40,679
11,521	-	-	40	389	15,515	1,592	36,807
2	-	-	-	-	518	-	1,793
-	-	-	-	-	152	-	2,079
-	-	-	-	-	-	-	34,135

Malaysia, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	492	-	34,514	2,475
2 Import	7,203	-	9,597	8,445
3 Export	-233	-	-17,023	-9,768
4 International Marine Bunkers	-	-	-	-70
5 Stock Change	108	-	-155	329
6 Total Primary Energy Supply	7,570	-	26,932	1,412
7 Main Activity Peoducer	-6,400	-	-	-513
8 Autoproducers of Electricity	-	-	-	-83
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-26,667	25,280
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-844
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-6	-	-266	-449
15 Total Final Energy Consumption	1,163	-	-	24,803
16 Industry Sector	1,163	-	-	6,059
17 Transport Sector	-	-	-	15,551
18 Other Sector	-	-	-	2,348
18.1 Residential & Commercial	-	-	-	2,082
18.2 Agriculture	-	-	-	266
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	845

Mexico, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	6,000	-	182,296	-
2 Import	2,677	174	557	25,747
3 Export	-4	-2	-93,232	-5,650
4 International Marine Bunkers	-	-	-	-872
5 Stock Change	-325	577	-233	-522
6 Total Primary Energy Supply	8,348	749	89,388	18,702
7 Main Activity Peoducer	-6,795	-	-	-13,077
8 Autoproducers of Electricity	-	-104	-	-529
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-74,708	70,889
11 Coal Transformation	-1,411	1,221	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-25	-	-6,647
14 Discrepancy	0	-	-648	-2,787
15 Total Final Energy Consumption	143	1,840	-	76,489
16 Industry Sector	143	1,840	-	5,296
17 Transport Sector	-	-	-	52,747
18 Other Sector	-	-	-	11,926
18.1 Residential & Commercial	-	-	-	9,229
18.2 Agriculture	-	-	-	2,698
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	6,519

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
50,961	558	-	-	-	-	-	89,000
4,922	-	-	-	-	-	-	30,167
-27,016	-	-	-	-	-195	-	-54,236
-	-	-	-	-	-	-	-70
-	-	-	-	-	-	-	282
28,866	558	-	-	-	-195	-	65,143
-11,298	-558	-	-	-	8,253	-	-10,516
-1,032	-	-	-	-	461	-	-655
-6,600	-	-	-	-	-	-	-6,600
-	-	-	-	-	-	-	-1,387
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-844
-791	-	-	-	-	-610	-	-1,401
247	-	-	-	-	-230	-	-704
9,392	-	-	-	-	7,680	-	43,038
5,403	-	-	-	-	3,585	-	16,210
133	-	-	-	-	3	-	15,688
1,943	-	-	-	-	4,091	-	8,382
31	-	-	-	-	4,091	-	6,204
-	-	-	-	-	-	-	266
1,913	-	-	-	-	-	-	1,913
1,913	-	-	-	-	-	-	2,758

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
42,973	2,346	2,716	6,499	8,240	-	-	251,069
8,842	-	-	-	-	24	-	38,021
-1,226	-	-	-	-	-125	-	-100,239
-	-	-	-	-	-	-	-872
-84	-	-	-	-	-	-	-587
50,505	2,346	2,716	6,499	8,240	-101	-	187,392
-19,444	-2,326	-2,716	-6,389	-	20,000	-	-30,747
-6,832	-20	-	-2	-1,172	2,142	-	-6,517
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-3,819
-	-	-	-	-	-	-	-190
-	-	-	-	-	-	-	-
-13,750	-	-	-	-	-5,151	-	-25,573
4,914	-0	-	0	-	-	-	1,479
15,392	-	-	108	7,069	16,889	-	117,930
10,676	-	-	-	1,176	9,877	-	29,008
1,170	-	-	-	-	102	-	54,019
1,099	-	-	108	5,892	6,910	-	25,936
1,099	-	-	108	5,892	6,180	-	22,508
-	-	-	-	-	730	-	3,428
-	-	-	-	-	-	-	-
2,448	-	-	-	-	-	-	8,967

New Zealand, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	2,828	-	2,099	-
2 Import	385	-	4,703	2,485
3 Export	-1,461	-	-1,623	-123
4 International Marine Bunkers	-	-	-	-311
5 Stock Change	-224	-	-102	-41
6 Total Primary Energy Supply	1,528	-	5,077	2,010
7 Main Activity Peoducer	-584	-	-	-
8 Autoproducers of Electricity	-15	-461	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-4,891	5,078
11 Coal Transformation	-395	461	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-348
14 Discrepancy	1	-	-78	68
15 Total Final Energy Consumption	535	-	-	6,921
16 Industry Sector	402	-	-	428
17 Transport Sector	-	-	-	5,812
18 Other Sector	133	-	-	395
18.1 Residential & Commercial	100	-	-	155
18.2 Agriculture	33	-	-	150
18.3 Other	-	-	-	90
19 Non-energy	-	-	-	286

Papua New Guinea, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	1,987	-
2 Import	-	-	778	753
3 Export	-	-	-1,487	-172
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	-454	30
6 Total Primary Energy Supply	-	-	824	611
7 Main Activity Peoducer	-	-	-	-104
8 Autoproducers of Electricity	-	-	-	-469
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-800	760
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-17
14 Discrepancy	-	-	-0	0
15 Total Final Energy Consumption	-	-	12	794
16 Industry Sector	-	-	12	399
17 Transport Sector	-	-	-	353
18 Other Sector	-	-	-	42
18.1 Residential & Commercial	-	-	-	-
18.2 Agriculture	-	-	-	-
18.3 Other	-	-	-	42
19 Non-energy	-	-	-	-

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
3,650	2,022	-	3,238	1,108	-	-	14,945
-	-	-	-	-	-	-	7,573
-	-	-	-	-	-	-	-3,207
-	-	-	-	-	-	-	-311
-1	-	-	-	-	-	-	-367
3,649	2,022	-	3,238	1,108	-	-	18,633
-1,912	-2,022	-	-2,997	-40	3,592	-	-3,964
-162	-	-	-	-215	179	14	-660
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	187
-	-	-	-	-	-	-	66
-	-	-	-	-	-	-	-
-126	-	-	-	-	-437	-14	-926
-15	-	-	-0	0	-	-	-24
1,434	-	-	241	853	3,333	-	13,317
662	-	-	139	660	1,251	-	3,542
6	-	-	-	-	32	-	5,849
257	-	-	102	193	2,050	-	3,131
219	-	-	102	193	1,875	-	2,644
39	-	-	-	-	137	-	360
-	-	-	-	-	38	-	127
509	-	-	-	-	-	-	795

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
326	74	-	-	-	-	-	2,387
-	-	-	-	-	-	-	1,532
-	-	-	-	-	-	-	-1,659
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-425
326	74	-	-	-	-	-	1,835
-	-44	-	-	-	72	-	-77
-108	-30	-	-	-	196	-	-411
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-41
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-217	-	-	-	-	-18	-	-253
-	-	-	-	-	-0	-	-0
-	-	-	-	-	249	-	1,055
-	-	-	-	-	177	-	588
-	-	-	-	-	-	-	353
-	-	-	-	-	72	-	114
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	72	-	114
-	-	-	-	-	-	-	-

Peru, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	78	-	5,386	-
2 Import	672	197	5,805	1,299
3 Export	-	-	-1,442	-2,783
4 International Marine Bunkers	-	-	-	-
5 Stock Change	74	-3	-55	-1,595
6 Total Primary Energy Supply	825	193	9,694	-3,079
7 Main Activity Peoducer	-242	-	-	-234
8 Autoproducers of Electricity	-	-	-	-133
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-9,098	8,584
11 Coal Transformation	-	-146	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-382
14 Discrepancy	0	-17	730	215
15 Total Final Energy Consumption	583	30	-	6,560
16 Industry Sector	583	30	-	1,665
17 Transport Sector	-	-	-	3,734
18 Other Sector	0	-	-	1,047
18.1 Residential & Commercial	0	-	-	790
18.2 Agriculture	-	-	-	13
18.3 Other	-	-	-	244
19 Non-energy	-	-	-	114

Philippines, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,791	-	827	-
2 Import	4,079	-	10,331	5,588
3 Export	422	-	-801	-2,563
4 International Marine Bunkers	-	-	-	-234
5 Stock Change	-	-	326	-49
6 Total Primary Energy Supply	6,292	-	10,683	2,742
7 Main Activity Peoducer	-3,972	-	-	-1,045
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-10,045	9,490
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-411	-
14 Discrepancy	-901	-	-227	922
15 Total Final Energy Consumption	1,419	-	-	12,109
16 Industry Sector	1,238	-	-	2,136
17 Transport Sector	-	-	-	8,190
18 Other Sector	-	-	-	1,689
18.1 Residential & Commercial	-	-	-	1,320
18.2 Agriculture	-	-	-	199
18.3 Other	-	-	-	170
19 Non-energy	181	-	-	94

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
2,597	2,101	-	7	355	-	-	10,525
-	-	-	-	0	-	-	7,973
-	-	-	-	-	-	-	-4,225
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-1,579
2,597	2,101	-	7	356	-	-	12,694
-1,564	-1,682	-	-	-	2,425	-	-1,296
-60	-3	-	-7	-137	157	-	-183
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-513
-	-	-	-	-	-	-	-146
-	-	-	-	-81	-	-	-81
-437	-	-	-	-	-261	-	-1,080
-0	-416	-	-	-138	-0	-	373
535	-	-	-	-	2,321	-	10,030
454	-	-	-	-	1,269	-	4,000
46	-	-	-	-	-	-	3,780
36	-	-	-	-	1,052	-	2,135
14	-	-	-	-	1,001	-	1,805
-	-	-	-	3	34	-	50
22	-	-	-	-3	17	-	280
-	-	-	-	-	-	-	114

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
3,033	736	-	8,790	6,985	-	-	22,162
-	-	-	-	2	-	-	20,000
-	-	-	-	-	-	-	-2,943
-	-	-	-	-	-	-	-234
-	-	-	-	-	-	-	277
3,033	736	-	8,790	6,987	-	-	39,263
-2,720	-736	-	-8,790	-	5,127	-	-12,137
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-554
-	-	-	-	-	-	-	-
-	-	-	-	-1,293	-	-	-1,293
-282	-	-	-	-	-998	-	-1,690
46	-	-	-	0	-	-	-159
77	-	-	-	5,694	4,129	-	23,429
77	-	-	-	1,250	1,397	-	6,098
-	-	-	-	-	9	-	8,199
-	-	-	-	4,444	2,723	-	8,856
-	-	-	-	4,444	2,681	-	8,445
-	-	-	-	-	42	-	242
-	-	-	-	-	-	-	170
-	-	-	-	-	-	-	276

Russia, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	146,084	-	490,119	-
2 Import	12,878	117	2,706	37
3 Export	-53,661	-2,201	-259,872	-95,100
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-956	-107	697	-27
6 Total Primary Energy Supply	104,344	-2,191	233,651	-95,090
7 Main Activity Peoducer	-51,489	-	-	-3,668
8 Autoproducers of Electricity	-19,244	-5,002	-702	-9,601
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-229,794	229,679
11 Coal Transformation	-25,370	23,925	-	-
12 Other Transformation	-	-	-	-625
13 Loss & Own Use	-586	-666	-3,114	-13,904
14 Discrepancy	0	-1	0	0
15 Total Final Energy Consumption	7,655	16,065	40	106,792
16 Industry Sector	3,076	16,027	12	12,472
17 Transport Sector	-	-	8	56,796
18 Other Sector	4,354	5	20	14,149
18.1 Residential & Commercial	4,265	5	-	9,053
18.2 Agriculture	82	-	20	4,332
18.3 Other	7	-	-	764
19 Non-energy	225	33	-	23,375

Singapore, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	-	-
2 Import	-	-	51,246	60,479
3 Export	-	-	-94	-62,448
4 International Marine Bunkers	-	-	-	-31,546
5 Stock Change	-	-	-	-
6 Total Primary Energy Supply	-	-	51,152	-33,515
7 Main Activity Peoducer	-	-	-	-1,734
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-128
10 Petroleum Refineries	-	-	-51,152	48,622
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-717
14 Discrepancy	-	-	-0	-0
15 Total Final Energy Consumption	-	-	-	12,527
16 Industry Sector	-	-	-	6,861
17 Transport Sector	-	-	-	5,417
18 Other Sector	-	-	-	-
18.1 Residential & Commercial	-	-	-	-
18.2 Agriculture	-	-	-	-
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	250

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
521,998	15,435	41,730	418	6,582	-	-	1,222,366
5,989	-	-	-	-	488	-	22,215
-155,008	-	-	-	-	-1,588	-	-567,430
-	-	-	-	-	-	-	-
-6,912	-	-	-	97	-	-	-7,208
366,067	15,435	41,730	418	6,679	-1,101	-	669,942
-195,089	-15,334	-41,730	-418	-	82,710	50,732	-174,287
-18,974	-101	-	-	-3,793	4,609	96,017	43,209
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-115
-	-	-	-	-	-	-	-1,445
-1,419	-	-	-	-	-	-	-2,044
-19,411	-	-	-	-100	-25,937	-28,160	-91,877
-2	-	-	-	0	-	-	-2
131,172	-	-	-	2,786	60,281	118,589	443,382
26,849	-	-	-	372	30,339	44,586	133,732
34,953	-	-	-	-	7,452	-	99,209
45,271	-	-	-	2,415	22,491	74,003	162,707
44,325	-	-	-	1,908	21,076	71,001	151,634
946	-	-	-	380	1,391	2,960	10,111
-	-	-	-	126	23	42	962
24,100	-	-	-	-	-	-	47,733

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
-	-	-	-	104	-	-	104
5,960	-	-	-	-	-	-	117,685
-	-	-	-	-	-	-	-62,542
-	-	-	-	-	-	-	-31,546
-	-	-	-	-	-	-	-
5,960	-	-	-	104	-	-	23,701
-5,960	-	-	-	-104	3,538	-	-4,261
-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-18
-	-	-	-	-	-	-	-2,531
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-319	-	-1,036
0	-	-	-	-	-32	-	-32
110	-	-	-	-	3,186	-	15,824
47	-	-	-	-	1,343	-	8,251
-	-	-	-	-	-	-	5,417
63	-	-	-	-	1,843	-	1,906
63	-	-	-	-	1,839	-	1,902
-	-	-	-	-	4	-	4
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	250

Chinese Taipei, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	16	-
2 Import	40,087	370	51,955	16,007
3 Export	-	-7	-	-17,779
4 International Marine Bunkers	-	-	-	-2,087
5 Stock Change	-150	-8	230	57
6 Total Primary Energy Supply	39,938	355	52,202	-3,803
7 Main Activity Peoducer	-23,223	-	-	-2,704
8 Autoproducers of Electricity	-6,924	-543	-	-1,250
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-52,049	53,598
11 Coal Transformation	-3,871	2,691	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-886	-829	-	-2,352
14 Discrepancy	250	-369	-153	827
15 Total Final Energy Consumption	5,285	1,305	-	42,926
16 Industry Sector	5,090	1,181	-	5,120
17 Transport Sector	-	-	-	14,179
18 Other Sector	-	-	-	2,771
18.1 Residential & Commercial	-	-	-	2,406
18.2 Agriculture	-	-	-	4
18.3 Other	-	-	-	361
19 Non-energy	194	123	-	20,856

Thailand, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	5,204	-	11,008	3,061
2 Import	5,026	4,004	40,217	825
3 Export	-	-	-2,724	-6,552
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	3,221	-768
6 Total Primary Energy Supply	10,230	4,004	51,722	-3,434
7 Main Activity Peoducer	-6,850	-98	-	-908
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-48,197	37,299
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-285	-83	-181	77
15 Total Final Energy Consumption	3,095	3,824	3,345	33,034
16 Industry Sector	3,095	3,824	-	3,981
17 Transport Sector	-	-	-	23,423
18 Other Sector	-	-	-	5,630
18.1 Residential & Commercial	-	-	-	2,205
18.2 Agriculture	-	-	-	3,424
18.3 Other	-	-	-	-
19 Non-energy	-	-	3,345	-

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
371	718	10,565	133	2,446	-	-	14,249
11,393	-	-	-	90	-	-	119,902
-	-	-	-	-	-	-	-17,787
-	-	-	-	-	-	-	-2,087
122	-	-	-	-	-	-	252
11,886	718	10,565	133	2,536	-	-	114,529
-8,414	-718	-10,565	-37	-	17,296	-	-28,365
-160	-	-	-1	-2,446	3,613	-	-7,712
-743	-	-	-	-	-	-	-743
-	-	-	-	-	-	-	1,550
-	-	-	-	-	-	-	-1,180
-	-	-	-	-90	-	-	-90
-367	-1	-	-0	-	-1,967	-	-6,402
-150	1	-	0	-	-652	-	-247
2,051	-	-	95	-	18,289	-	69,951
929	-	-	-	-	10,265	-	22,586
-	-	-	-	-	71	-	14,250
1,122	-	-	95	-	7,953	-	11,941
1,122	-	-	95	-	7,728	-	11,351
-	-	-	-	-	138	-	141
-	-	-	-	-	88	-	449
-	-	-	-	-	-	-	21,173

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
14,611	698	-	2	1,480	-	-	36,063
8,314	-	-	-	-	386	-	58,772
-	-	-	-	-	-80	-	-9,356
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	2,454
22,925	698	-	2	1,480	307	-	87,933
-18,224	-698	-	-2	-	11,078	-	-15,701
-2,204	-	-	-	-1,480	1,252	-	-2,432
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-10,898
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-1,224	-	-1,224
-0	-	-	-	-	-0	-	-472
2,497	-	-	-	-	11,413	-	57,206
2,296	-	-	-	-	5,220	-	18,416
200	-	-	-	-	12	-	23,636
-	-	-	-	-	6,181	-	11,810
-	-	-	-	-	6,098	-	8,303
-	-	-	-	-	23	-	3,448
-	-	-	-	-	60	-	60
-	-	-	-	-	-	-	3,345

United States of America, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	567,794	-	317,626	-
2 Import	20,430	1,464	597,862	108,061
3 Export	-33,341	-859	-5,838	-65,724
4 International Marine Bunkers	-	-	-	-30,223
5 Stock Change	-1,368	31	1,381	3,596
6 Total Primary Energy Supply	553,516	636	911,032	15,710
7 Main Activity Producer	-419,844	-81,306	-	-15,487
8 Autoproducers of Electricity	-2,566	-1,070	-	-743
9 Gas Processing	-1,843	-	-	-
10 Petroleum Refineries	-	-	-867,305	884,249
11 Coal Transformation	-96,996	90,129	-	-
12 Other Transformation	-	-	13,369	-
13 Loss & Own Use	-238	-1,884	-	-52,509
14 Discrepancy	-8,570	-2,240	-10,422	-2,881
15 Total Final Energy Consumption	23,458	4,267	-	875,868
16 Industry Sector	21,725	4,267	-	31,128
17 Transport Sector	-	-	-	645,685
18 Other Sector	1,734	-	-	55,600
18.1 Residential & Commercial	1,686	-	-	39,678
18.2 Agriculture	48	-	-	15,922
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	143,455

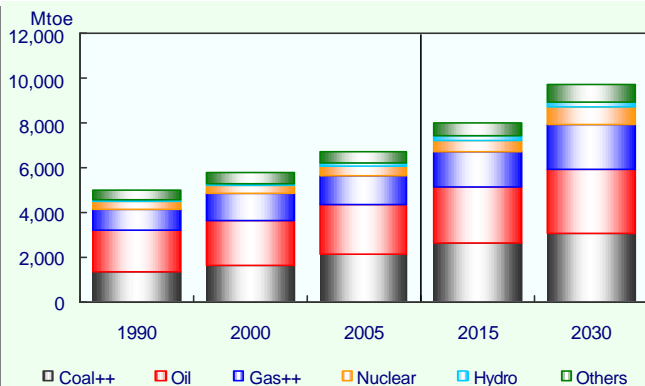
Viet Nam, 2007

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	24,186	-	16,207	670
2 Import	375	64	-	14,834
3 Export	-17,854	-	-15,333	-969
4 International Marine Bunkers	-	-	-	-
5 Stock Change	2,910	-	-874	-
6 Total Primary Energy Supply	9,617	64	-0	14,534
7 Main Activity Producer	-3,208	-	-	-388
8 Autoproducers of Electricity	-383	-	-	-433
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-	-
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-0	-	0	-0
15 Total Final Energy Consumption	6,025	64	-	13,713
16 Industry Sector	4,668	64	-	2,158
17 Transport Sector	-	-	-	8,078
18 Other Sector	1,357	-	-	2,065
18.1 Residential & Commercial	1,336	-	-	1,559
18.2 Agriculture	21	-	-	506
18.3 Other	-	-	-	-
19 Non-energy	-	-	-	1,412

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
445,785	23,697	218,027	19,990	81,004	-	-	1,673,923
107,228	-	-	-	841	4,420	-	840,306
-18,873	-	-	-	-	-1,732	-	-126,367
-	-	-	-	-	-	-	-30,223
4,451	-	-	-	-143	-	-	7,948
538,591	23,697	218,027	19,990	81,703	2,688	-	2,365,588
-159,405	-23,549	-218,027	-17,629	-13,052	360,405	13,177	-574,717
-13,756	-148	-	-	-6,101	13,597	-	-10,787
1,193	-	-	-	-	-	-	-650
-	-	-	-	-	-	-	16,944
-	-	-	-	-	-	-	-6,866
-	-	-	-	-14,230	-	-	-861
-43,564	-	-	-	-	-47,755	-5,977	-151,926
-2,109	-	-	-	-2	-1	0	-26,225
320,949	-	-	2,360	48,318	328,934	7,200	1,611,354
111,169	-	-	118	35,554	79,879	5,689	289,529
15,120	-	-	-	-	703	-	661,509
179,714	-	-	2,242	12,764	248,352	1,511	501,916
179,714	-	-	2,242	12,395	234,656	1,511	471,882
-	-	-	-	369	-	-	16,339
-	-	-	-	-	13,696	-	13,696
14,945	-	-	-	-	-	-	158,400

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
6,139	1,968	-	-	-	-	-	49,170
-	-	-	-	-	226	-	15,499
-486	-	-	-	-	-	-	-34,642
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	2,036
5,653	1,968	-	-	-	226	-	32,062
-4,713	-1,968	-	-	-	5,396	-	-4,882
-203	-	-	-	-	354	-	-666
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-195	-	-	-	-	-720	-	-915
-	-	-	-	-	0	-	-0
542	-	-	-	-	5,256	-	25,600
542	-	-	-	-	2,765	-	10,197
-	-	-	-	-	37	-	8,115
-	-	-	-	-	2,454	-	5,876
-	-	-	-	-	2,405	-	5,301
-	-	-	-	-	49	-	576
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	1,412

Primary Energy Supply Outlook by Energy

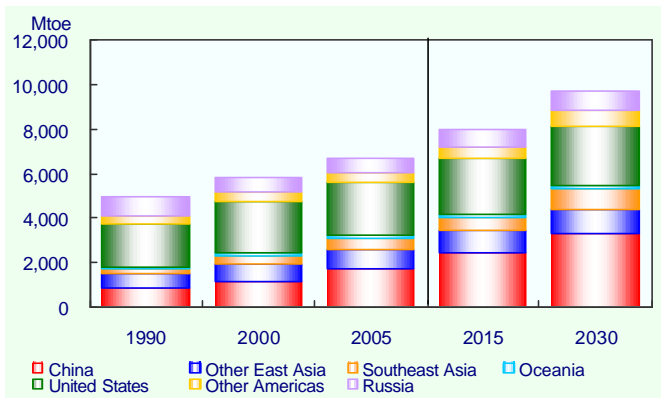


	Mtoe				
	1990	2000	2005	2015	2030
Coal++	1,367	1,572	2,110	2,596	3,011
Oil	1,793	2,054	2,260	2,544	2,927
Gas++	998	1,193	1,268	1,551	1,993
Nuclear	286	390	419	532	822
Hydro	92	108	125	166	191
Others	423	474	497	596	779
Total	4,959	5,790	6,679	7,985	9,723

	Share (%)				
	1990	2000	2005	2015	2030
Coal++	27.6	27.1	31.6	32.5	31.0
Oil	36.2	35.5	33.8	31.9	30.1
Gas++	20.1	20.6	19.0	19.4	20.5
Nuclear	5.8	6.7	6.3	6.7	8.5
Hydro	1.9	1.9	1.9	2.1	2.0
Others	8.5	8.2	7.4	7.5	8.0

By Asia Pacific Energy Research Centre, November 2009.

Primary Energy Supply Outlook by Region



	1990	2000	2005	2015	2030
China	863	1,106	1,720	2,440	3,281
Other East Asia	596	814	865	956	1,045
Southeast Asia	236	382	471	598	946
Oceania	102	130	140	170	213
United States	1,926	2,303	2,342	2,472	2,641
Other Americas	357	441	494	569	723
Russia	879	615	648	779	875
APEC 21	4,959	5,790	6,679	7,985	9,723

	1990	2000	2005	2015	2030
China	17.4	19.1	25.8	30.6	33.7
Other East Asia	12.0	14.1	12.9	12.0	10.7
Southeast Asia	4.8	6.6	7.1	7.5	9.7
Oceania	2.1	2.2	2.1	2.1	2.2
United States	38.8	39.8	35.1	31.0	27.2
Other Americas	7.2	7.6	7.4	7.1	7.4
Russia	17.7	10.6	9.7	9.8	9.0

Other East Asia includes Hong Kong, China; Japan; Republic of Korea and Chinese Taipei.
 Other Americas includes Canada, Chile, Mexico, and Peru.
 Southeast Asia includes Viet Nam.

Selected Energy Indicators APEC Region

	Population			Real GDP			Real GDP	
	Millions			Billions of 2000 Price and 2000 USD			Billions of 2000 Price and 2000 PPP	
	1980	1990	2007	1980	1990	2007	1980	1990
APEC 19	1,788	2,067	2,453	9,626	13,882	23,505	9,862	14,543
APEC 21	1,981	2,281	2,681	-	14,282	23,964	9,862	16,253
East Asia	1,159	1,328	1,524	3,247	5,140	8,959	2,773	4,785
China	981.2	1,135.2	1,318.3	182.9	444.6	2,387.6	454.3	1,104.2
Hong Kong, China	5.1	5.7	6.9	60.2	115.2	235.8	62.5	119.6
Japan	116.8	123.5	127.8	2,800.6	4,122.3	5,206.0	1,947.9	2,867.2
Republic of Korea	38.1	42.9	48.5	128.0	295.6	734.5	193.4	446.5
Chinese Taipei	17.8	20.4	22.9	75.1	161.8	394.6	114.9	247.5
Southeast Asia	260.0	318.7	412.9	197.7	341.4	787.4	474	824
Brunei Darussalam	0.2	0.3	0.4	5.8	4.8	7.0	5.8	4.8
Indonesia	148.3	178.2	225.6	58.8	109.2	233.1	176.5	327.6
Malaysia	13.8	18.1	26.5	26.4	47.2	133.0	59.6	106.5
Philippines	48.1	62.4	88.7	47.6	56.2	106.6	111.4	131.7
Singapore	2.4	3.0	4.6	21.8	44.7	133.9	31.4	64.3
Thailand	47.3	56.7	67.0	37.3	79.4	173.8	88.8	189.0
Oceania	21.0	24.6	31.6	229.0	312.1	534.9	310.4	421.3
Australia	14.7	17.1	21.0	194.1	270.1	464.4	254.8	354.7
New Zealand	3.1	3.4	4.2	32.9	39.6	66.4	50.1	60.3
Papua New Guinea	3.2	4.1	6.3	2.1	2.3	4.1	5.5	6.3
North America	251.8	277.4	334.3	5,540	7,599	12,358	5,624	7,710
Canada	24.6	27.8	33.0	412.0	543.6	867.4	496.1	654.7
United States of America	227.2	249.6	301.3	5,128.0	7,055.0	11,491.0	5,128.0	7,055.0
Latin America	96.1	118.2	150.4	412.6	489.9	866.8	681.2	802.7
Chile	11.2	13.2	16.6	27.9	40.4	101.2	53.1	76.8
Mexico	67.6	83.2	105.3	345.6	413.3	688.8	535.1	640.0
Peru	17.3	21.8	28.5	39.1	36.1	76.8	93.0	85.9
Russia	139.0	148.3	142.1	-	385.9	406.2	-	1,657.1
Viet Nam	53.7	66.2	85.2	-	15.0	52.6	-	52.9

Note: APEC 19 does not include Russia and Viet Nam.

	Energy Indigenous Production			Net Import			Total Primary Energy Supply				
	Mtoe			Mtoe			Mtoe				
	2007	1980	1990	2007	1980	1990	2007	1980	1990		2007
	28,070	2,580.3	3,331.1	4,861.9	499.6	554.8	1,275.0	3,052	3,767	6,045	
	29,999	-	-	6,133.5	-	-	710.6	-	-	6,747	
	11,509	499.8	811.8	1,791.0	339.6	451.5	924.2	842	1,237	2,677	
	5,929.9	436.3	705.8	1,637.7	-19.6	-30.5	176.3	421.0	654.0	1,797.0	CHN
	244.9	0.0	0.0	0.1	6.0	10.8	27.1	5.3	10.6	17.8	HKG
	3,620.9	48.7	72.6	96.4	303.2	361.6	428.4	352.6	432.5	521.9	JPN
	1,109.3	9.2	22.6	42.6	29.6	70.1	190.3	38.3	93.4	225.5	KOR
	603.6	5.7	10.7	14.2	20.3	39.4	102.1	25.1	46.0	114.5	TWN
	1,863	132.1	210.3	406.2	-54.0	-51.1	-26.3	71.4	144.8	353.7	
	7.0	20.7	15.3	20.8	-17.4	-12.9	-16.9	3.2	2.1	3.9	BRN
	699.6	92.1	119.4	238.1	-60.7	-65.9	-106.9	31.1	53.3	133.7	IDN
	299.9	16.1	46.5	89.0	-5.0	-25.4	-24.1	10.6	21.0	65.1	MYS
	249.8	2.7	17.2	22.2	10.4	11.9	17.1	12.4	28.7	39.3	PHL
	192.8	0.0	0.0	0.1	6.7	22.9	55.1	2.0	9.9	23.7	SGP
	413.8	0.5	11.9	36.1	12.0	18.2	49.4	12.1	29.9	87.9	THA
	721.9	92.1	175.5	306.9	-13.7	-66.1	-152.1	79.4	103.7	147.9	
	609.8	86.1	158.1	289.5	-18.3	-64.5	-156.3	69.3	88.3	127.5	AUS
	101.1	6.0	12.7	14.9	4.0	2.1	4.4	9.5	14.5	18.6	NZL
	11.0	0.0	4.6	2.4	0.6	-3.7	-0.1	0.6	0.9	1.8	PNG
	12,535	1,689	1,925	2,088	277.6	283.6	564.1	1,943	2,137	2,636	
	1,044.6	207.7	273.8	413.8	-11.0	-59.3	-149.8	194.2	209.5	270.5	CAN
	11,491	1,481.4	1,650.9	1,673.9	288.6	342.9	713.9	1,748.6	1,927.8	2,365.6	USA
	1,441.4	167.2	209.0	270.1	-49.9	-63.1	-35.0	116.3	144.6	230.4	
	192.2	7.0	7.8	8.5	4.1	7.0	23.5	11.0	14.3	30.3	CHL
	1,066.5	149.0	193.0	251.1	-51.0	-69.4	-62.2	97.2	122.8	187.4	MEX
	182.7	11.1	8.2	10.5	-3.0	-0.6	3.7	8.2	7.5	12.7	PER
	1,744.3	-	-	1,222.4	-	-	-545.2	-	-	669.9	RUS
	185.0	-	5.8	49.2	-	-0.2	-19.1	-	5.4	32.1	VNM

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2007	1980	1990	2007	1980	1990
APEC 19	2,405	2,629	3,930	3,507	5,006	9,641	1.71	1.82
APEC 21	-	-	4,399	-	-	10,403	-	-
East Asia	627.0	896.7	1,638.7	879.9	1,543.4	4,344.8	0.73	0.93
China	318.2	489.9	1,055.2	287.4	606.4	2,673.8	0.43	0.58
Hong Kong, China	3.5	6.7	10.9	10.9	23.8	41.0	1.05	1.87
Japan	252.7	305.1	352.8	511.9	744.8	1,026.2	3.02	3.50
Republic of Korea	35.7	65.2	149.8	32.7	94.4	391.2	1.01	2.18
Chinese Taipei	17.0	29.8	70.0	36.9	74.0	212.7	1.41	2.26
Southeast Asia	48.1	94.9	228.6	50.5	125.2	431.5	0.27	0.45
Brunei Darussalam	0.2	0.4	0.8	0.3	1.0	3.1	16.81	8.06
Indonesia	21.1	34.0	88.3	7.3	30.5	121.3	0.21	0.30
Malaysia	6.4	13.1	43.0	8.7	19.9	89.3	0.77	1.16
Philippines	9.0	19.8	23.4	15.0	21.2	48.0	0.26	0.46
Singapore	2.1	5.3	15.8	6.1	14.2	37.0	0.82	3.25
Thailand	9.3	22.2	57.2	13.1	38.3	132.7	0.26	0.53
Oceania	59.3	68.0	93.4	101.6	158.7	255.2	3.78	4.21
Australia	51.5	57.9	79.1	81.0	129.2	213.5	4.72	5.18
New Zealand	7.3	9.5	13.3	19.4	27.8	38.8	3.05	4.19
Papua New Guinea	0.4	0.6	1.1	1.2	1.7	2.9	0.20	0.21
North America	1,591.0	1,464.0	1,817.0	2,404.6	3,051.7	4,333.1	7.72	7.70
Canada	156.7	159.9	205.7	307.4	418.1	508.3	7.90	7.54
United States of America	1,434.3	1,304.2	1,611.4	2,097.2	2,633.6	3,824.8	7.70	7.72
Latin America	79.6	105.6	152.6	70.7	127.4	276.4	1.21	1.22
Chile	8.3	11.0	24.7	9.7	15.4	53.0	0.98	1.08
Mexico	65.1	88.4	117.9	52.3	100.2	196.4	1.44	1.48
Peru	6.2	6.2	10.0	8.7	11.8	27.0	0.47	0.35
Russia	-	-	443.4	-	-	700.9	-	-
Viet Nam	-	4.2	25.6	-	6.2	61.1	-	0.08

	Total Primary Energy Supply per Real GDP			Total Primary Energy Supply per Real GDP			Total Final Energy Consumption per Capita			
	toe / Million 2000 USD			toe / Million 2000 PPP			toe / Person			
2007	1980	1990	2007	1980	1990	2007	1980	1990	2007	
2.46	317.1	271.4	257.2	306.9	255.9	211.3	1.35	1.27	1.60	
2.52	-	-	281.5	-	-	221.1	-	-	1.64	
1.76	259.4	240.6	298.8	294.7	248.8	222.6	0.54	0.68	1.08	
1.36	2,301.3	1,471.0	752.6	926.6	592.3	303.0	0.32	0.43	0.80	CHN
2.57	88.0	92.4	75.4	84.7	89.0	72.6	0.68	1.17	1.58	HKG
4.08	125.9	104.9	100.2	181.0	150.9	144.1	2.16	2.47	2.76	JPN
4.65	299.3	315.9	307.0	198.2	209.1	203.3	0.94	1.52	3.09	KOR
5.01	334.0	284.2	290.2	218.3	185.8	189.7	0.95	1.46	3.06	TWN
0.86	361.1	424.1	449.3	150.8	175.7	189.9	0.18	0.30	0.55	
10.15	561.9	430.7	565.4	561.9	430.7	565.4	1.25	1.62	2.08	BRN
0.59	528.2	487.9	573.8	176.0	162.6	191.2	0.14	0.19	0.39	IDN
2.45	399.5	444.3	489.8	177.2	197.0	217.2	0.46	0.73	1.62	MYS
0.44	261.5	509.6	368.3	111.6	217.5	157.2	0.19	0.32	0.26	PHL
5.17	90.5	221.6	177.0	62.9	153.9	122.9	0.86	1.75	3.45	SGP
1.31	324.7	377.3	506.0	136.3	158.4	212.5	0.20	0.39	0.85	THA
4.69	346.7	332.2	276.6	255.8	246.1	204.9	2.82	2.76	2.96	
6.07	357.0	327.1	274.5	271.8	249.1	209.0	3.51	3.39	3.76	AUS
4.41	288.9	364.8	280.6	189.7	239.6	184.3	2.35	2.75	3.15	NZL
0.29	305.3	369.3	445.0	114.3	138.3	166.6	0.14	0.15	0.17	PNG
7.89	350.7	281.3	213.3	345.5	277.2	210.3	6.32	5.28	5.44	
8.20	471.5	385.4	311.8	391.5	320.0	258.9	6.37	5.75	6.24	CAN
7.85	341.0	273.2	205.9	341.0	273.2	205.9	6.31	5.22	5.35	USA
1.53	281.9	295.1	265.8	170.8	180.1	159.8	0.83	0.89	1.01	
1.82	392.6	352.5	299.3	206.7	185.6	157.5	0.74	0.84	1.49	CHL
1.78	281.2	297.0	272.1	181.6	191.8	175.7	0.96	1.06	1.12	MEX
0.45	209.2	208.7	165.3	88.0	87.7	69.5	0.36	0.29	0.35	PER
4.71	-	-	1,649.3	-	-	384.1	-	-	3.12	RUS
0.38	-	360.5	610.0	-	102.4	173.3	-	0.06	0.30	VNM

	Energy Related CO ₂ Emission			CO ₂ Emission per Capita		
	Mt-C			t-C / Person		
	1980	1990	2007	1980	1990	2007
APEC 19	-	-	4,432.0	-	-	1.806
APEC 21	-	-	4,897.0	-	-	1.827
East Asia	661.2	946.2	2,149.9	0.570	0.713	1.410
China	354.4	554.2	1,608.0	0.361	0.488	1.220
Hong Kong, China	4.0	9.2	10.7	0.789	1.616	1.551
Japan	251.5	287.2	332.7	2.154	2.325	2.604
Republic of Korea	32.8	65.4	125.2	0.861	1.525	2.584
Chinese Taipei	18.4	30.2	73.3	1.034	1.482	3.207
Southeast Asia	-	-	239.4	-	-	0.580
Brunei Darussalam	0.6	1.6	2.2	3.336	6.214	5.649
Indonesia	17.3	39.3	102.9	0.117	0.221	0.456
Malaysia	8.1	15.5	45.7	0.586	0.855	1.721
Philippines	8.2	10.2	19.0	0.170	0.164	0.214
Singapore	1.7	8.3	16.2	0.688	2.714	3.536
Thailand	-	-	53.4	-	-	0.797
Oceania	-	-	111.3	-	-	3.527
Australia	-	69.1	99.8	-	4.048	4.750
New Zealand	-	6.1	10.1	-	1.762	2.399
Papua New Guinea	-	-	1.4	-	-	0.220
North America	1,421.5	1,490.2	1,789.1	5.645	5.372	5.352
Canada	119.1	123.2	158.3	4.844	4.434	4.802
United States of America	1,302.4	1,367.0	1,630.7	5.732	5.476	5.412
Latin America	75.2	91.4	142.3	0.783	0.774	0.946
Chile	6.4	9.3	18.2	0.576	0.702	1.094
Mexico	63.0	76.8	115.6	0.932	0.923	1.098
Peru	5.7	5.4	8.5	0.332	0.248	0.300
Russia	-	-	440.1	-	-	3.097
Viet Nam	-	4.7	24.9	-	0.070	0.293

CO ₂ Emission per Real GDP			CO ₂ Emission per Real GDP			CO ₂ Emission per Total Primary Energy Supply			
kt-C / Billions of 2000 USD			kt-C / Billions of 2000 PPP			t-C / toe			
1980	1990	2007	1980	1990	2007	1980	1990	2007	
-	-	188.6	-	-	155.3	-	-	0.733	
-	-	204.3	-	-	160.8	-	-	0.726	
203.6	184.1	240.0	231.8	191.4	180.4	0.785	0.765	0.803	
1,937.5	1,246.6	673.5	780.1	501.9	271.2	0.842	0.847	0.895	CHN
66.4	80.1	45.6	64.0	77.1	43.9	0.755	0.866	0.604	HKG
89.8	69.7	63.9	129.1	100.2	91.9	0.713	0.664	0.637	JPN
256.2	221.2	170.5	169.7	146.4	112.9	0.856	0.700	0.555	KOR
245.0	186.4	185.8	160.2	121.9	121.5	0.734	0.656	0.640	TWN
-	-	304.0	-	-	128.5	-	-	0.677	
0.1	332.1	314.8	111.5	332.1	314.8	0.198	0.771	0.557	BRN
294.3	360.4	441.4	98.1	120.1	147.1	0.557	0.739	0.769	IDN
305.2	327.9	343.5	135.4	145.4	152.3	0.764	0.738	0.701	MYS
172.3	182.3	177.8	73.6	77.8	75.9	0.659	0.358	0.483	PHL
76.0	185.2	121.2	52.8	128.6	84.1	0.840	0.836	0.685	SGP
-	-	307.4	-	-	129.1	-	-	0.607	THA
-	-	208.2	-	-	154.2	-	-	0.753	
-	255.7	214.9	-	194.7	163.7	-	0.782	0.783	AUS
-	153.4	152.8	-	100.7	100.3	-	0.420	0.544	NZL
-	-	336.9	-	-	126.1	-	-	0.757	PNG
256.6	196.1	144.8	252.8	193.3	142.7	0.732	0.697	0.679	
289.2	226.6	182.5	240.1	188.2	151.6	0.613	0.588	0.585	CAN
254.0	193.8	141.9	254.0	193.8	141.9	0.745	0.709	0.689	USA
182.2	186.7	164.1	110.4	113.9	98.7	0.646	0.633	0.618	
230.3	228.8	179.4	121.2	120.4	94.5	0.587	0.649	0.600	CHL
182.3	185.8	167.8	117.7	120.0	108.4	0.648	0.626	0.617	MEX
146.9	149.3	111.2	61.8	62.8	46.8	0.702	0.715	0.673	PER
-	-	1,083.4	-	-	252.3	-	-	0.657	RUS
-	310.2	474.5	-	88.1	134.8	-	0.861	0.778	VNM

Glossary

General note

For editing convenience the definition for some items with “++” mark are different with the publication of APEC Energy Statistics. In the Energy Balance sector the definition for all item are the same as the publication of APEC Energy Statistics.

Energies

Coal++

Defined as coal in narrow sense (all primary coal such as hard coal, lignite and brown coal) plus coal products (all fuels derived from coal including patent fuel, coke oven coke, gas coke, briquettes, coke oven gas and blast furnace gas).

Coal

Coal includes all primary coal, such as hard coal, lignite and brown coal.

Coal Products

Coal Products includes all fuels derived from coal including patent fuel, coke oven coke, gas coke, briquettes, coke oven gas, blast furnace gas and gas works gas.

Oil

Defined as crude oil (which comprises crude oil, refinery feedstocks and natural gas liquids and Natural LPG) plus petroleum products.

Crude Oil

Crude Oil comprises crude oil, refinery feedstocks and natural gas liquids.

Petroleum Products

Total of all petroleum products, such as LPG, naphtha, MOGAS(including AVGAS), jet fuel, kerosene, diesel oil, fuel oil, refinery gas and other petroleum products.

Mogas

Mogas is light hydrocarbon oil for use in internal engines such as motor vehicles. Motor gasoline is distilled between 35 °C and 215 °C and treated by reforming, catalytic cracking or blending with aromatic fraction to reach a sufficiently high octane number (=80 RON).

Naphtha

Naphtha includes light or medium oils, a cut covering the end of the motor spirit and the beginning of the kerosene range. Naphtha distills between 30 °C and 210 °C.

Jet Fuel

Jet fuel comprises both gasoline and kerosene type jet fuels meeting

specifications for use in aviation turbine power units.

Gasoline type: This includes all light hydrocarbon oils, distilling between 100 °C and 250 °C. It distills at least 20 percent in volume at 143 °C.

Kerosene type: This medium oil with same distillation characteristics and flash point as kerosene, with a maximum aromatic content of 22 percent in volume, and treated to give a kinematic viscosity of less than 18cST at -20 °C (and a freezing point below -47 °C), octane number varying from 80 to 145 RON.

Kerosene

Kerosene comprises refined petroleum distillate intermediate in volatility between gasoline and gas/diesel oil. It is a medium oil distilling between 150 °C and 300 °C, which distills at least 65 percent in volume at 250 °C. Its specific gravity is in the region of 0.80 and the flash point is above 38 °C.

Diesel Oil

Diesel oil includes heavy gas oils. Gas oils are obtained from the lowest fraction from atmospheric distillation of crude oil, while heavy gas oils obtained by vacuum redistillation of the residual from atmospheric distillation.

Fuel Oil

Fuel oil defines oils that make up the distillation residue. It comprises all residual fuel oils (including those obtained by blending). Its kinematic viscosity is above 10 cSt at 80 °C. The flash point is always above 50 °C. and the density is always more than 0.90.

LPG

LPG is the light hydrocarbon fraction of the paraffin series, derived from refinery processes and from crude oil stabilization plants comprising propane (C₃H₈) and butane (C₄H₁₀) or a mixture of these two hydrocarbon.

Others

The category, "Other petroleum products", groups together white spirit and SBP, lubricants, bitumen, paraffin waxes, refining gas and others (tar, sulfur, grease).

Gas++

Defined as natural gas and LNG.

Natural Gas

Natural gas consists mainly of methane occurring naturally in underground deposits associated with crude oil or gas recovered from coal mines (colliery gas). Sewage gas is also included.

LNG

LNG is liquefied natural gas.

Hydro

The primary equivalent is calculated with an efficiency of 100%.

Nuclear

The primary equivalent is calculated with an efficiency of 33%.

Others

Defined as sum of geothermal power, wind, tide, photovoltaic power, biomass, etc. However, for Indonesia, Peru, Chinese Taipei, Thailand and Vietnam, non-commercial biomass was not included to keep historical consistency. The primary equivalent is calculated with an efficiency of 100% except for of geothermal power, which assumed efficiency is 10%.

Sectors

Indigenous Production

Quantities of fuels extracted within the economy.

Net Imports

Defined as imports minus exports.

Total Primary Energy Supply (TPES)

Defined as indigenous production plus imports minus exports minus international marine bunkers plus or minus stock change.

Refining

Petroleum refineries shows the transformation of crude oil, NGL and condensate to petroleum products. The production of synthetic petrol from natural gas is also included.

Power Generation

Gross electricity (including power stations' own use) produced from thermal, hydro, nuclear, geothermal and other power plants of public utilities and auto-producers. 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 Final Energy Consumption

Defined as industry plus transport plus residential and commercial plus others sector.

Industry

Consumption of the industry sector is specified in the following sub-sectors (energy use for transport by industry is not included here but reported under transport):

- Iron and steel industry
- Chemical industry
- Non-ferrous metals basic industries
- Non-metallic mineral products such as glass, ceramic, cement, etc.

- Transport equipment
- Machinery. Fabricated metal products, machinery and equipment other than transport equipment
- Mining (excluding fuels) and quarrying
- Food processing, beverages and tobacco
- Pulp, paper and printing
- Wood and wood products (other than pulp and paper)
- Construction
- Textiles and leather
- Collection, purification and distribution of water
- Non-specified (any manufacturing industry not included above)

Transport

Consumption of the transport sector covers all transport activity regardless of the economic sector to which it is contributing, and is divided into the following sub-sectors:

- Air transport (international and domestic)
- Road transport
- Railways
- Internal navigation (including small craft and coastal vessels not purchasing their bunker requirements under international marine bunker contracts).

Residential and Commercial

Defined as residential plus commercial.

*Residential shows all consumption by households

*Commercial shows consumption of the commercial and public sectors.

Others

Agriculture and non-energy use are included.