

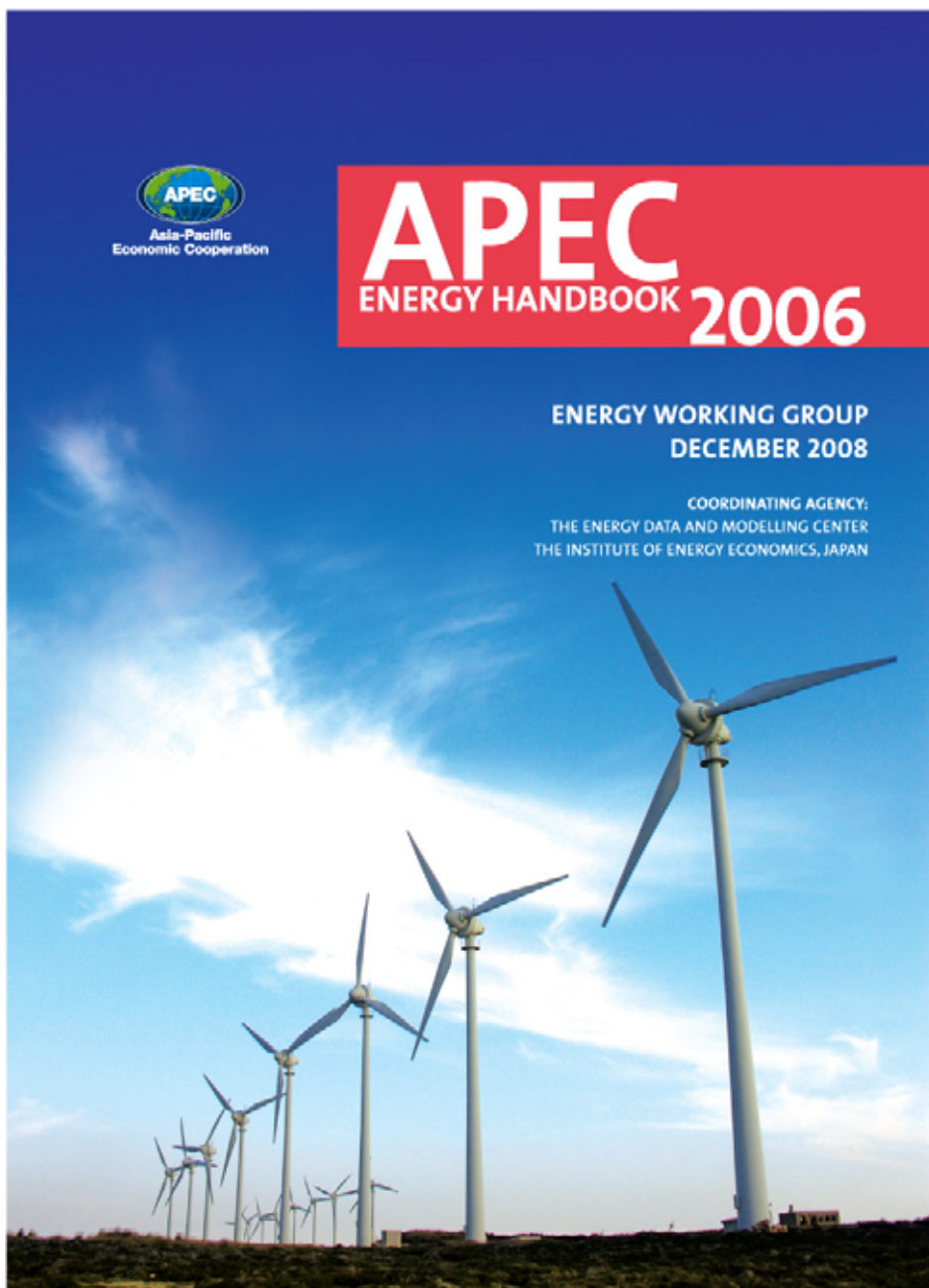


APEC

ENERGY HANDBOOK 2006

ENERGY WORKING GROUP
DECEMBER 2008

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



EWG 01/2008

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APEC#208-RE-03.2 ISSN 0219-7634

Preface

The APEC Energy Handbook 2006 is a handy, pocket-sized summary of key energy data and a supplement to APEC Energy Statistics 2006 which has been released in November 2008 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 September 2006. 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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Definition of Region

	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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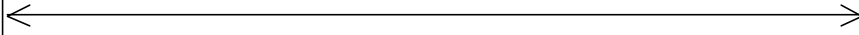


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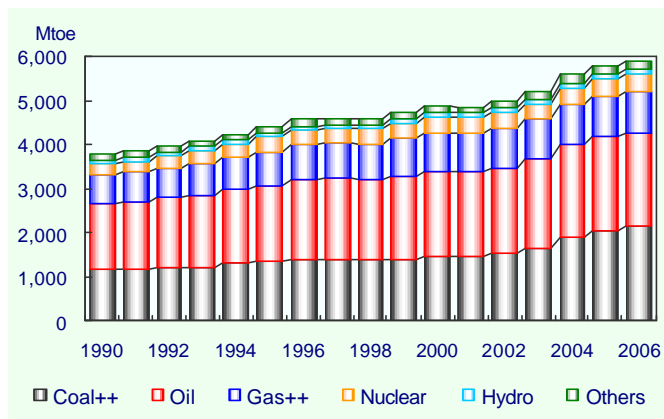
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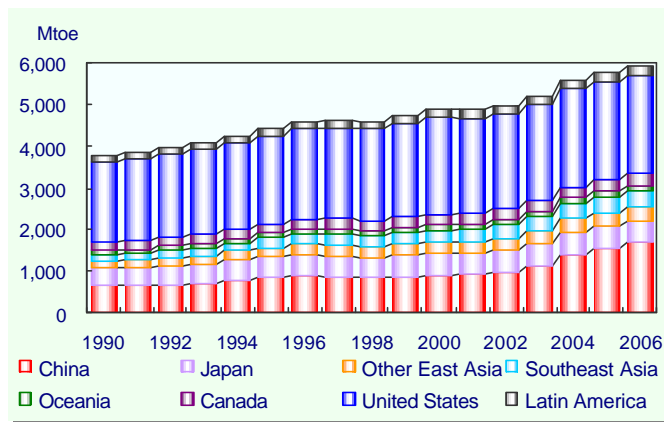
Total Primary Energy Supply by Energy APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	1,167.7	1,360.6	1,458.3	1,890.9	2,038.2	2,136.1
Oil	1,510.6	1,707.2	1,916.9	2,107.7	2,125.2	2,121.7
Gas++	632.4	770.7	883.4	911.4	930.4	940.5
Nuclear	252.6	318.8	355.1	369.9	376.9	383.8
Hydro	80.0	95.3	96.2	108.7	113.3	119.7
Others	131.2	146.4	163.7	188.3	194.3	185.5
Total	3,774.5	4,398.9	4,873.6	5,576.9	5,778.4	5,887.4

	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	30.9	30.9	29.9	33.9	35.3	36.3
Oil	40.0	38.8	39.3	37.8	36.8	36.0
Gas++	16.8	17.5	18.1	16.3	16.1	16.0
Nuclear	6.7	7.2	7.3	6.6	6.5	6.5
Hydro	2.1	2.2	2.0	1.9	2.0	2.0
Others	3.5	3.3	3.4	3.4	3.4	3.2

Total Primary Energy Supply by Region APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
China	654.0	858.0	905.2	1,399.7	1,542.3	1,681.0
Japan	432.5	490.8	509.3	524.8	528.3	524.7
Other East Asia	150.0	223.8	285.3	335.6	340.4	347.4
Southeast Asia	150.2	228.0	293.4	356.7	367.6	368.5
Oceania	103.5	111.7	129.6	133.1	140.4	142.7
Canada	209.4	232.6	253.2	269.4	274.1	270.3
United States	1,928.5	2,093.6	2,310.8	2,352.0	2,367.7	2,330.7
Latin America	146.3	160.5	186.9	205.5	217.7	222.0
APEC 20	3,774.5	4,398.9	4,873.6	5,576.9	5,778.4	5,887.4

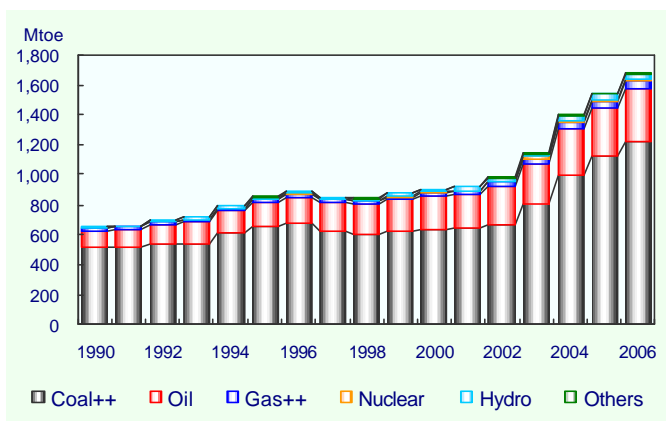
	Share (%)					
	1990	1995	2000	2004	2005	2006
China	17.3	19.5	18.6	25.1	26.7	28.6
Japan	11.5	11.2	10.4	9.4	9.1	8.9
Other East Asia	4.0	5.1	5.9	6.0	5.9	5.9
Southeast Asia	4.0	5.2	6.0	6.4	6.4	6.3
Oceania	2.7	2.5	2.7	2.4	2.4	2.4
Canada	5.5	5.3	5.2	4.8	4.7	4.6
United States	51.1	47.6	47.4	42.2	41.0	39.6
Latin America	3.9	3.6	3.8	3.7	3.8	3.8

Primary Energy Supply

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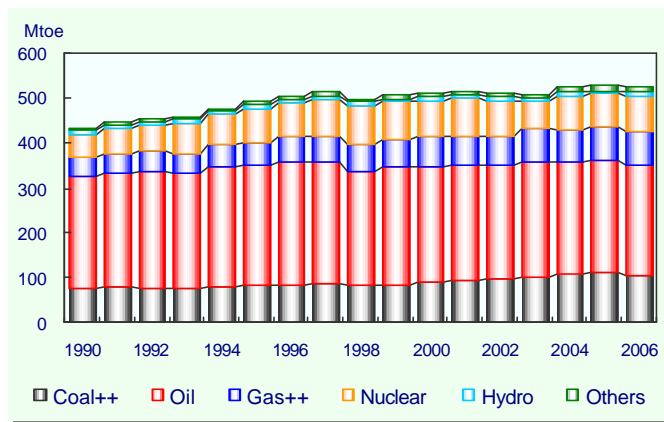
Total Primary Energy Supply by Energy China



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	512.2	659.2	631.2	993.8	1,122.1	1,222.4
Oil	114.4	158.5	224.7	319.8	322.1	349.9
Gas++	14.2	16.7	22.4	37.0	44.7	51.9
Nuclear	-	3.3	4.4	13.2	13.8	14.3
Hydro	10.9	16.4	19.1	30.4	34.1	37.5
Others	2.3	3.8	3.4	5.6	5.5	5.1
Total	654.0	858.0	905.2	1,399.7	1,542.3	1,681.0

	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	78.3	76.8	69.7	71.0	72.8	72.7
Oil	17.5	18.5	24.8	22.8	20.9	20.8
Gas++	2.2	1.9	2.5	2.6	2.9	3.1
Nuclear	-	0.4	0.5	0.9	0.9	0.9
Hydro	1.7	1.9	2.1	2.2	2.2	2.2
Others	0.3	0.4	0.4	0.4	0.4	0.3

Total Primary Energy Supply by Energy Japan



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	75.6	82.8	91.0	109.9	110.8	106.4
Oil	249.1	267.5	255.8	250.4	251.1	243.2
Gas++	43.5	52.0	64.9	69.3	70.9	76.0
Nuclear	51.0	75.0	83.3	74.5	76.4	79.3
Hydro	7.8	7.1	7.5	8.9	7.4	8.2
Others	5.5	6.4	6.7	11.9	11.7	11.6
Total	432.5	490.8	509.3	524.8	528.3	524.7

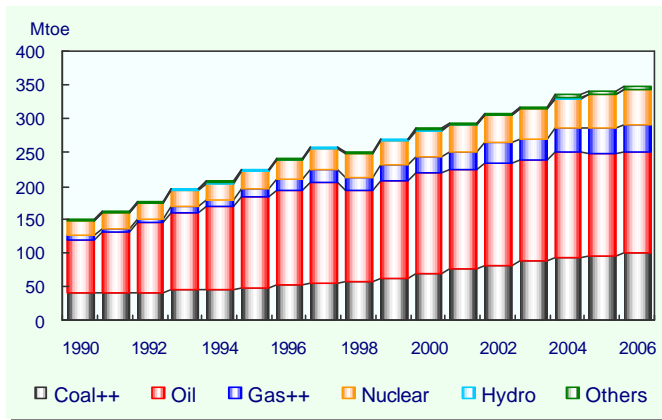
	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	17.5	16.9	17.9	20.9	21.0	20.3
Oil	57.6	54.5	50.2	47.7	47.5	46.3
Gas++	10.1	10.6	12.8	13.2	13.4	14.5
Nuclear	11.8	15.3	16.4	14.2	14.5	15.1
Hydro	1.8	1.5	1.5	1.7	1.4	1.6
Others	1.3	1.3	1.3	2.3	2.2	2.2

Primary Energy Supply

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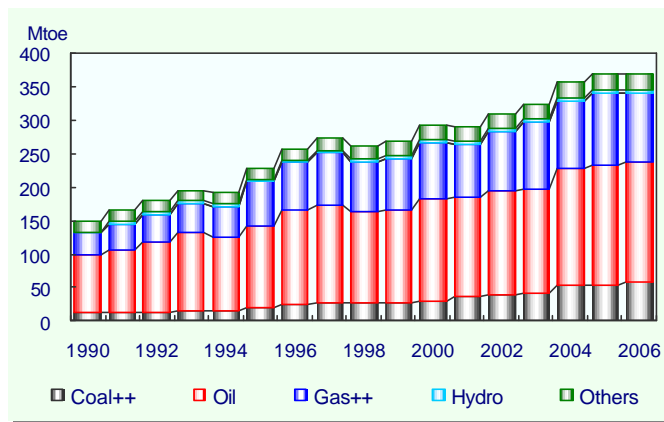
Total Primary Energy Supply by Energy Other East Asia



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	42.1	48.4	71.1	92.9	95.5	100.5
Oil	79.3	134.0	147.7	156.0	150.8	149.8
Gas++	4.5	12.0	24.6	37.2	39.9	41.8
Nuclear	22.3	26.7	38.4	44.4	48.7	49.2
Hydro	1.3	1.2	1.2	1.1	1.1	1.1
Others	0.6	1.5	2.2	4.2	4.4	5.0
Total	150.0	223.8	285.3	335.6	340.4	347.4

	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	28.1	21.6	24.9	27.7	28.1	28.9
Oil	52.8	59.9	51.8	46.5	44.3	43.1
Gas++	3.0	5.4	8.6	11.1	11.7	12.0
Nuclear	14.9	11.9	13.5	13.2	14.3	14.1
Hydro	0.8	0.6	0.4	0.3	0.3	0.3
Others	0.4	0.7	0.8	1.2	1.3	1.4

Total Primary Energy Supply by Energy Southeast Asia



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	12.8	20.2	30.0	51.9	53.4	59.5
Oil	86.4	121.3	152.2	175.9	179.8	177.2
Gas++	31.4	66.1	84.5	101.6	107.2	103.4
Nuclear	-	-	-	-	-	-
Hydro	2.7	3.7	3.9	4.1	4.1	4.7
Others	16.8	16.7	22.8	23.2	23.1	23.7
Total	150.2	228.0	293.4	356.7	367.6	368.5

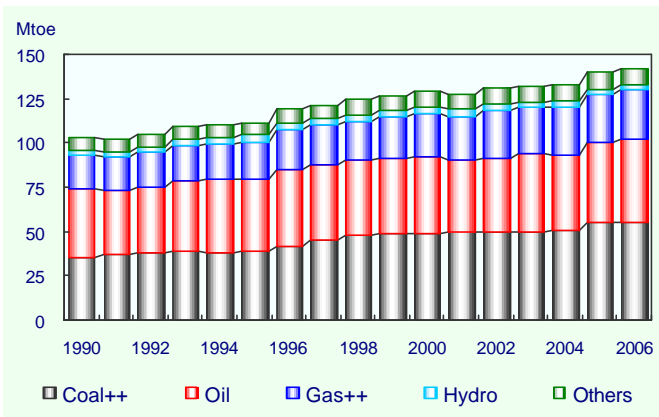
	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	8.5	8.8	10.2	14.5	14.5	16.2
Oil	57.5	53.2	51.9	49.3	48.9	48.1
Gas++	20.9	29.0	28.8	28.5	29.2	28.1
Nuclear	-	-	-	-	-	-
Hydro	1.8	1.6	1.3	1.2	1.1	1.3
Others	11.2	7.3	7.8	6.5	6.3	6.4

Primary Energy Supply

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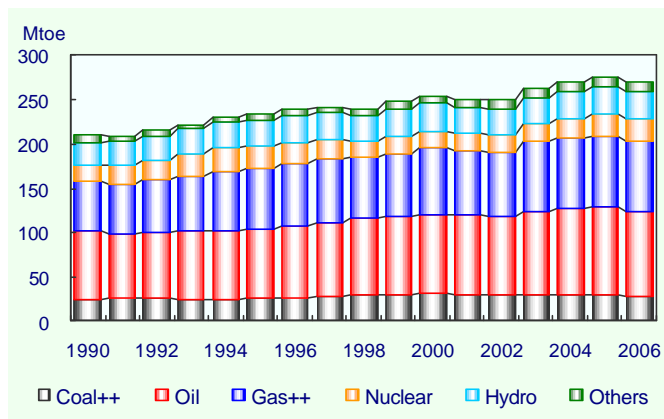
Total Primary Energy Supply by Energy Oceania



	1990	1995	2000	2004	2005	2006
Coal++	36.1	38.7	49.2	50.8	55.2	55.8
Oil	38.0	41.1	43.7	42.8	46.0	47.0
Gas++	19.3	21.0	24.3	26.7	26.4	27.1
Nuclear	-	-	-	-	-	-
Hydro	3.3	3.8	3.7	3.8	3.4	3.5
Others	6.8	7.1	8.7	9.0	9.3	9.4
Total	103.5	111.7	129.6	133.1	140.4	142.7

	1990	1995	2000	2004	2005	2006
Coal++	34.9	34.6	38.0	38.2	39.3	39.1
Oil	36.7	36.8	33.7	32.2	32.8	32.9
Gas++	18.7	18.8	18.7	20.1	18.8	19.0
Nuclear	-	-	-	-	-	-
Hydro	3.2	3.4	2.8	2.8	2.5	2.4
Others	6.5	6.4	6.7	6.8	6.7	6.6

Total Primary Energy Supply by Energy Canada



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	24.3	25.3	31.7	28.5	30.0	27.5
Oil	77.7	79.0	88.9	98.5	97.9	95.8
Gas++	54.7	67.1	74.3	78.0	80.6	79.5
Nuclear	19.0	25.5	19.0	23.6	24.0	25.5
Hydro	25.5	28.9	30.8	29.3	31.3	30.6
Others	8.2	6.8	8.5	11.4	10.3	11.3
Total	209.4	232.6	253.2	269.4	274.1	270.3

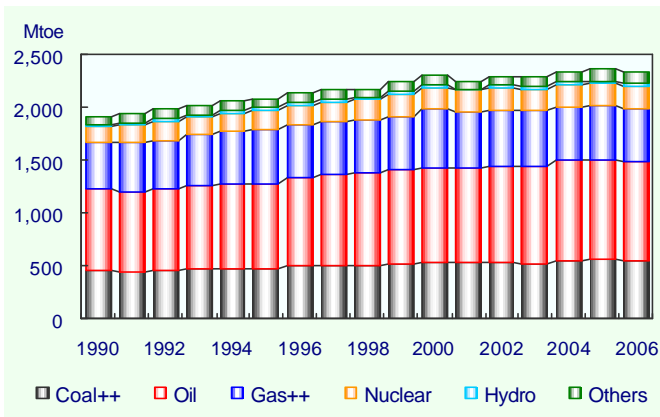
	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	11.6	10.9	12.5	10.6	11.0	10.2
Oil	37.1	34.0	35.1	36.6	35.7	35.5
Gas++	26.1	28.9	29.3	29.0	29.4	29.4
Nuclear	9.1	11.0	7.5	8.7	8.8	9.4
Hydro	12.2	12.4	12.2	10.9	11.4	11.3
Others	3.9	2.9	3.4	4.2	3.7	4.2

Primary Energy Supply

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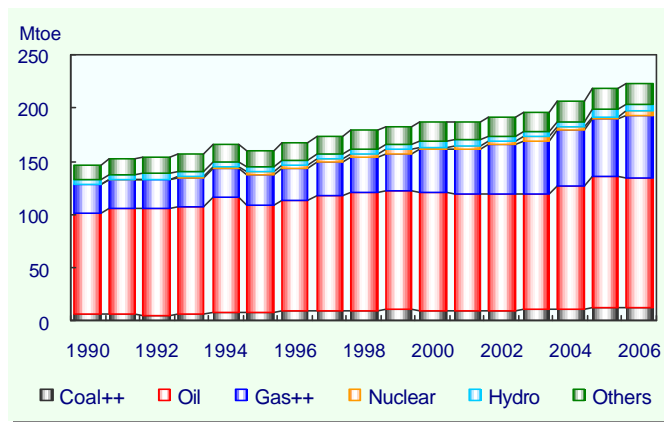
Total Primary Energy Supply by Energy United States of America



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	458.4	478.1	543.6	551.4	558.5	551.0
Oil	770.2	804.8	894.2	948.9	954.5	937.8
Gas++	438.8	507.7	547.8	509.5	507.3	501.6
Nuclear	159.4	186.0	207.9	212.0	211.3	212.7
Hydro	24.9	29.1	24.1	25.6	25.6	27.3
Others	76.9	88.0	93.2	104.6	110.5	100.3
Total	1,928.5	2,093.6	2,310.8	2,352.0	2,367.7	2,330.7

	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	23.8	22.8	23.5	23.4	23.6	23.6
Oil	39.9	38.4	38.7	40.3	40.3	40.2
Gas++	22.8	24.3	23.7	21.7	21.4	21.5
Nuclear	8.3	8.9	9.0	9.0	8.9	9.1
Hydro	1.3	1.4	1.0	1.1	1.1	1.2
Others	4.0	4.2	4.0	4.4	4.7	4.3

Total Primary Energy Supply by Energy Latin America



	Mtoe					
	1990	1995	2000	2004	2005	2006
Coal++	6.2	8.0	10.6	11.7	12.7	13.0
Oil	95.5	101.1	109.7	115.5	123.0	121.2
Gas++	25.9	28.1	40.5	52.0	53.4	59.2
Nuclear	0.8	2.2	2.1	2.4	2.8	2.8
Hydro	3.7	5.1	5.9	5.5	6.2	6.8
Others	14.3	16.1	18.2	18.4	19.6	19.1
Total	146.3	160.5	186.9	205.5	217.7	222.0

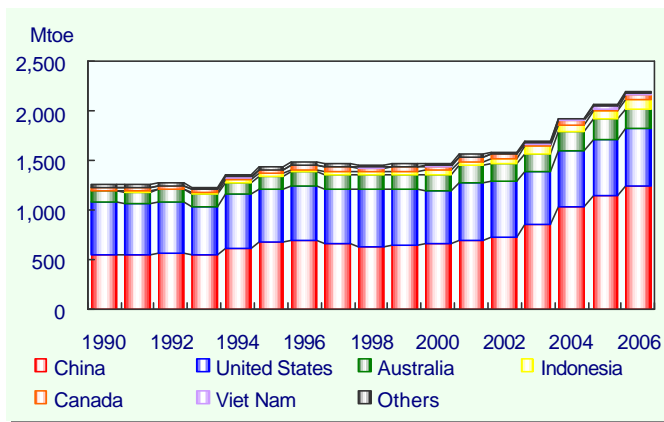
	Share (%)					
	1990	1995	2000	2004	2005	2006
Coal++	4.2	5.0	5.7	5.7	5.8	5.8
Oil	65.3	63.0	58.7	56.2	56.5	54.6
Gas++	17.7	17.5	21.7	25.3	24.5	26.7
Nuclear	0.5	1.4	1.1	1.2	1.3	1.3
Hydro	2.5	3.2	3.1	2.7	2.8	3.1
Others	9.8	10.0	9.7	9.0	9.0	8.6

Primary Energy Supply

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Indigenous Production of Coal APEC 20

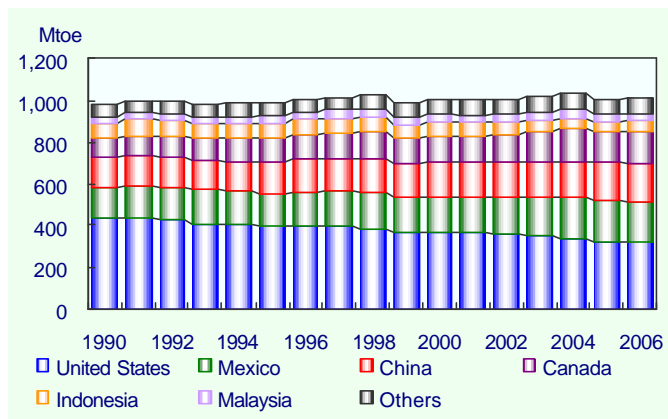


	Mtoe					
	1990	1995	2000	2004	2005	2006
China	540.0	680.4	649.6	1,043.0	1,143.3	1,239.3
United States	539.2	531.6	544.8	553.2	564.2	576.8
Australia	106.1	127.8	164.6	192.1	202.0	201.4
Indonesia	5.8	24.0	44.0	72.0	82.8	105.3
Canada	37.9	40.8	34.4	32.2	33.1	32.5
Viet Nam	2.6	4.7	6.5	14.5	18.1	21.8
Others	24.3	19.6	17.6	17.4	17.5	17.0
APEC 20	1,255.9	1,428.8	1,461.6	1,924.4	2,060.9	2,194.1

	Share (%)					
	1990	1995	2000	2004	2005	2006
China	43.0	47.6	44.4	54.2	55.5	56.5
United States	42.9	37.2	37.3	28.7	27.4	26.3
Australia	8.4	8.9	11.3	10.0	9.8	9.2
Indonesia	0.5	1.7	3.0	3.7	4.0	4.8
Canada	3.0	2.9	2.4	1.7	1.6	1.5
Viet Nam	0.2	0.3	0.4	0.8	0.9	1.0
Others	1.9	1.4	1.2	0.9	0.9	0.8

Coal: Hard Coal, Anthracite and Lignite

Indigenous Production of Crude Oil APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
United States	432.6	397.9	365.6	339.1	322.6	318.0
Mexico	154.1	156.6	171.3	195.0	197.3	192.6
China	138.4	150.0	163.0	175.9	181.4	184.8
Canada	94.5	113.9	128.9	149.9	148.0	155.9
Indonesia	70.7	72.9	69.0	53.4	48.1	48.9
Malaysia	30.6	35.1	33.8	38.7	36.7	35.0
Others	57.0	61.6	76.7	79.5	73.3	73.6
APEC 20	977.9	988.0	1,008.3	1,031.5	1,007.4	1,008.9

	Share (%)					
	1990	1995	2000	2004	2005	2006
United States	44.2	40.3	36.3	32.9	32.0	31.5
Mexico	15.8	15.9	17.0	18.9	19.6	19.1
China	14.2	15.2	16.2	17.1	18.0	18.3
Canada	9.7	11.5	12.8	14.5	14.7	15.5
Indonesia	7.2	7.4	6.8	5.2	4.8	4.8
Malaysia	3.1	3.6	3.4	3.8	3.6	3.5
Others	5.8	6.2	7.6	7.7	7.3	7.3

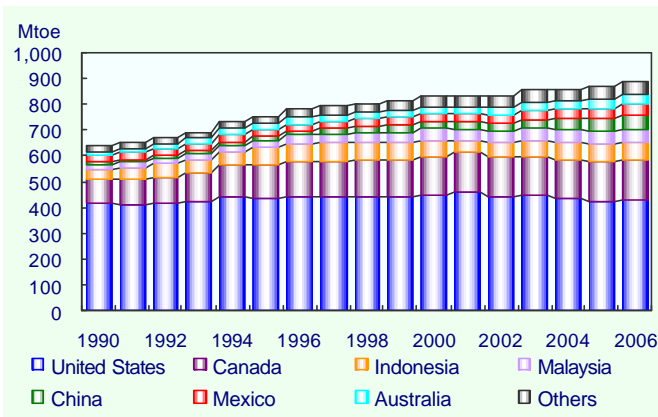
Crude Oil includes NGL and condensate

Primary Energy Supply

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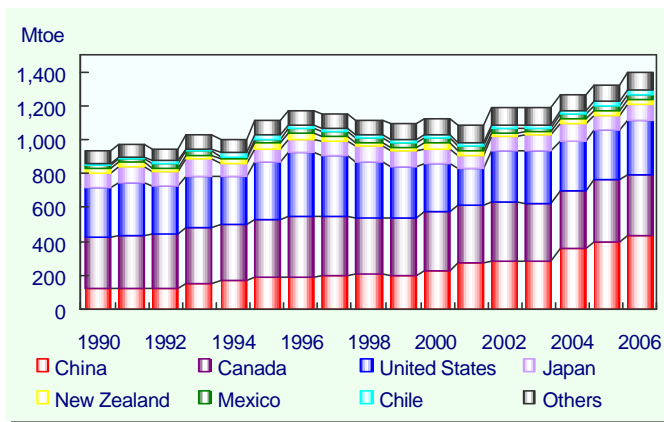
Indigenous Production of Natural Gas APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
United States	418.0	434.6	446.9	433.3	421.6	431.1
Canada	88.6	130.3	148.4	150.8	154.1	154.9
Indonesia	41.0	68.0	65.8	69.7	68.7	67.9
Malaysia	15.5	26.7	44.8	49.0	52.0	49.4
China	14.2	16.7	25.3	39.3	47.4	54.5
Mexico	22.8	24.2	31.3	35.5	36.9	42.2
Australia	17.7	25.3	28.4	32.0	35.2	36.9
Others	22.8	28.2	39.1	42.0	51.9	46.4
APEC 20	640.7	753.9	829.9	851.7	867.7	883.5

	Share (%)					
	1990	1995	2000	2004	2005	2006
United States	65.2	57.6	53.8	50.9	48.6	48.8
Canada	13.8	17.3	17.9	17.7	17.8	17.5
Indonesia	6.4	9.0	7.9	8.2	7.9	7.7
Malaysia	2.4	3.5	5.4	5.8	6.0	5.6
Mexico	3.6	3.2	3.8	4.2	4.3	4.8
China	2.2	2.2	3.1	4.6	5.5	6.2
Australia	2.8	3.4	3.4	3.8	4.1	4.2
Others	3.6	3.7	4.7	4.9	6.0	5.3

Indigenous Production of Hydro Power APEC 20

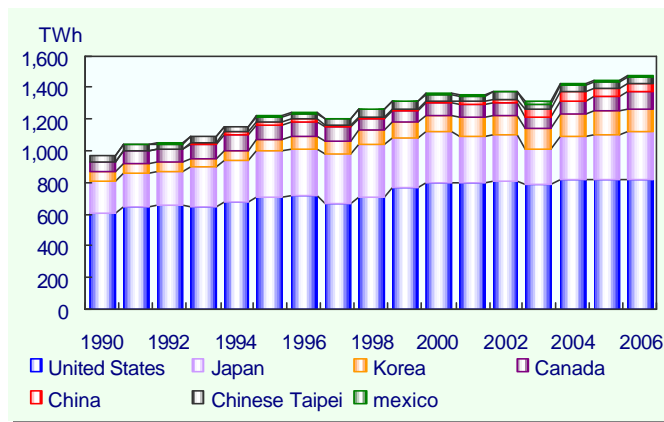


	TWh					
	1990	1995	2000	2004	2005	2006
China	126.7	190.6	222.4	353.5	397.0	435.8
Canada	296.8	336.0	358.6	340.9	363.7	355.5
United States	289.0	337.9	280.0	297.9	297.9	317.7
Japan	91.0	82.8	87.0	103.2	87.1	97.6
New Zealand	23.3	27.3	24.4	27.2	23.3	23.5
Mexico	23.5	27.5	33.1	25.2	27.7	30.4
Chile	9.0	18.4	19.1	21.1	26.2	28.8
Others	71.3	87.3	94.1	94.6	96.1	104.2
APEC 20	930.6	1,107.8	1,118.7	1,079.0	1,184.9	1,263.6

	Share (%)					
	1990	1995	2000	2004	2005	2006
China	13.6	17.2	19.9	32.8	33.5	34.5
Canada	31.9	30.3	32.1	31.6	30.7	28.1
United States	31.0	30.5	25.0	27.6	25.1	25.1
Japan	9.8	7.5	7.8	9.6	7.3	7.7
New Zealand	2.5	2.5	2.2	2.5	2.0	1.9
Mexico	2.5	2.5	3.0	2.3	2.3	2.4
Chile	1.0	1.7	1.7	2.0	2.2	2.3
Others	7.7	7.9	8.4	8.8	8.1	8.2

Primary Energy Supply

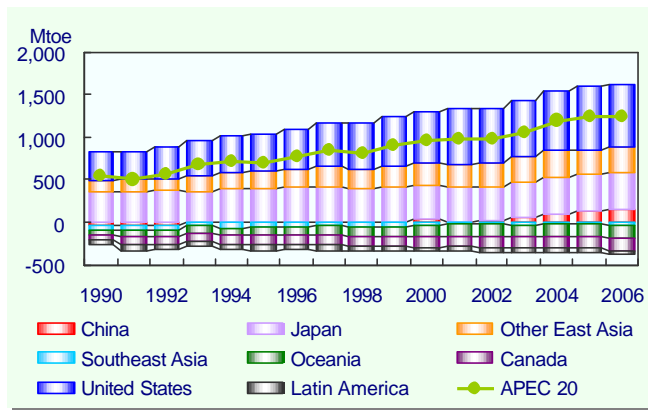
Indigenous Production of Nuclear Power APEC 20



	TWh					
	1990	1995	2000	2004	2005	2006
United States	611.6	713.8	797.7	813.3	810.7	816.2
Japan	195.8	287.9	319.8	285.9	293.0	304.3
Korea	52.9	67.0	109.0	130.7	146.8	148.7
Canada	73.0	97.8	72.8	90.4	92.0	98.0
China	-	12.8	16.7	50.5	53.1	54.8
Chinese Taipei	32.9	35.3	38.5	39.5	40.0	39.9
mexico	2.9	8.4	8.2	9.2	10.8	10.9
Others	-	-	-	-	-	-
APEC 20	969.0	1,223.1	1,362.7	1,419.5	1,446.4	1,472.8

	Share (%)					
	1990	1995	2000	2004	2005	2006
United States	63.1	58.4	58.5	57.3	56.0	55.4
Japan	20.2	23.5	23.5	20.1	20.3	20.7
Korea	5.5	5.5	8.0	9.2	10.1	10.1
Canada	7.5	8.0	5.3	6.4	6.4	6.7
China	-	1.0	1.2	3.6	3.7	3.7
Chinese Taipei	3.4	2.9	2.8	2.8	2.8	2.7
mexico	0.3	0.7	0.6	0.6	0.7	0.7
Others	-	-	-	-	-	-

Net Import by Region APEC 20



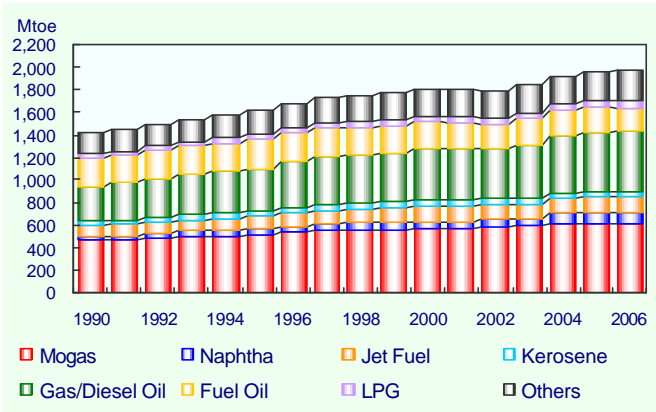
	1990	1995	2000	2004	2005	Mtoe 2006
Australia	-64.7	-89.4	-127.3	-143.4	-147.9	-145.8
Brunei Darussalam	-12.9	-14.6	-14.8	-19.8	-19.3	-19.1
Canada	-59.4	-119.7	-127.7	-134.6	-133.8	-142.0
Chile	7.0	10.7	16.2	21.4	21.3	22.4
China	-30.5	-8.9	32.4	104.1	137.4	145.4
Hong Kong, China	10.8	14.3	18.2	24.3	23.4	25.2
Indonesia	-65.9	-85.2	-82.4	-72.7	-73.9	-98.2
Japan	361.6	394.0	406.8	433.7	430.7	430.4
Korea	70.1	135.1	165.5	184.0	176.3	186.6
Malaysia	-25.4	-28.3	-27.4	-29.2	-30.6	-28.4
Mexico	-69.5	-69.0	-72.8	-86.1	-81.3	-77.9
New Zealand	2.1	3.0	3.4	5.3	4.9	4.7
Papua New Guinea	-3.7	-4.0	-2.7	-0.9	-1.2	-1.3
Peru	-0.6	1.8	3.3	3.8	2.8	3.5
Philippines	11.9	17.7	20.0	18.3	17.0	17.0
Singapore	22.9	31.9	40.2	46.4	50.9	54.6
Chinese Taipei	39.4	55.7	76.4	96.1	96.4	100.2
Thailand	18.2	32.6	34.6	49.3	48.7	48.4
United States	344.1	436.3	608.4	714.2	738.1	731.1
Viet Nam	-0.2	-4.7	-9.8	-16.4	-17.7	-18.7
APEC 20	555.4	709.5	960.7	1,197.7	1,242.1	1,238.1

Primary Energy Supply

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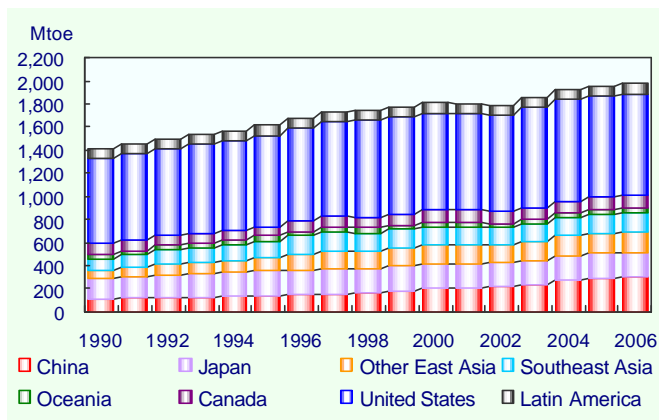
Refining of Petroleum Products by Fuel APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
Mogas	462.1	519.3	572.5	607.7	610.0	612.3
Naphtha	37.5	49.3	63.2	94.9	96.6	98.2
Jet Fuel	103.7	110.7	128.8	137.0	143.2	142.3
Kerosene	40.1	48.4	59.9	46.3	45.9	43.3
Gas/Diesel Oil	306.4	374.9	450.0	500.5	525.5	536.2
Fuel Oil	245.0	263.4	240.4	224.2	224.1	210.1
LPG	35.0	45.7	54.0	59.9	58.8	62.7
Others	188.6	198.9	239.3	259.5	255.6	268.9
Total	1,418.3	1,610.7	1,808.2	1,929.9	1,959.7	1,974.1

	Share (%)					
	1990	1995	2000	2004	2005	2006
Mogas	32.6	32.2	31.7	31.5	31.1	31.0
Naphtha	2.6	3.1	3.5	4.9	4.9	5.0
Jet Fuel	7.3	6.9	7.1	7.1	7.3	7.2
Kerosene	2.8	3.0	3.3	2.4	2.3	2.2
Gas/Diesel Oil	21.6	23.3	24.9	25.9	26.8	27.2
Fuel Oil	17.3	16.4	13.3	11.6	11.4	10.6
LPG	2.5	2.8	3.0	3.1	3.0	3.2
Others	13.3	12.4	13.2	13.4	13.0	13.6

Refining of Petroleum Products by Region APEC 20

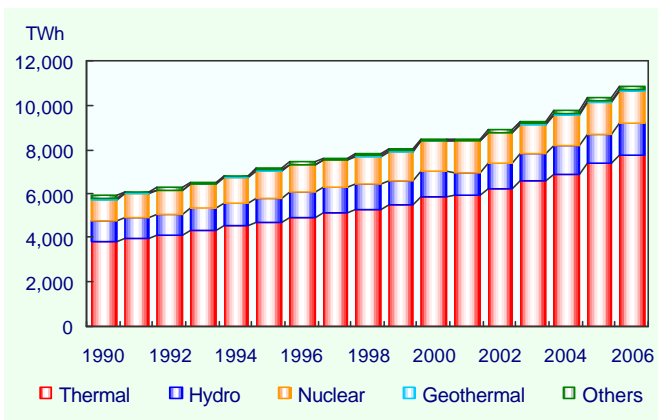


	Mtoe					
	1990	1995	2000	2004	2005	2006
China	107.4	140.6	198.1	267.8	284.2	300.8
Japan	178.5	211.9	215.6	213.8	217.7	212.3
Other East Asia	62.3	117.4	164.8	170.8	177.6	179.5
Southeast Asia	109.8	142.6	154.8	158.9	165.7	165.8
Oceania	37.0	41.3	43.7	41.6	40.8	38.4
Canada	87.0	86.5	96.9	108.7	105.6	104.1
United States	755.2	784.7	850.7	878.6	876.6	883.7
Latin America	81.2	85.7	83.6	89.7	91.7	89.5
APEC 20	1,418.3	1,610.7	1,808.2	1,929.9	1,959.7	1,974.1

	Share (%)					
	1990	1995	2000	2004	2005	2006
China	7.6	8.7	11.0	13.9	14.5	15.2
Japan	12.6	13.2	11.9	11.1	11.1	10.8
Other East Asia	4.4	7.3	9.1	8.8	9.1	9.1
Southeast Asia	7.7	8.9	8.6	8.2	8.5	8.4
Oceania	2.6	2.6	2.4	2.2	2.1	1.9
Canada	6.1	5.4	5.4	5.6	5.4	5.3
United States	53.2	48.7	47.0	45.5	44.7	44.8
Latin America	5.7	5.3	4.6	4.6	4.7	4.5

Transformation

Electricity Power Generation by Type APEC 20

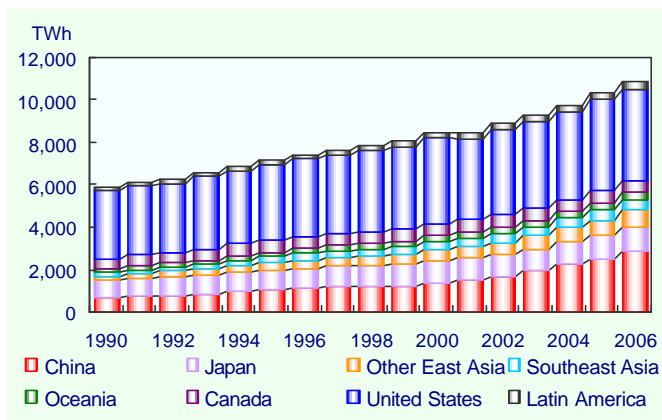


	TWh					
	1990	1995	2000	2004	2005	2006
Thermal	3,835.0	4,691.0	5,863.6	6,890.2	7,358.4	7,742.0
Hydro	930.6	1,107.8	1,118.7	1,263.6	1,319.0	1,393.5
Nuclear	969.0	1,223.1	1,362.7	1,419.5	1,446.4	1,472.8
Geothermal	31.5	34.0	43.3	45.2	47.0	46.9
Others	112.1	94.1	108.8	156.6	165.2	183.1
Total	5,878.3	7,150.1	8,497.1	9,775.0	10,336.0	10,838.3

	Share (%)					
	1990	1995	2000	2004	2005	2006
Thermal	65.2	65.6	69.0	70.5	71.2	71.4
Hydro	15.8	15.5	13.2	12.9	12.8	12.9
Nuclear	16.5	17.1	16.0	14.5	14.0	13.6
Geothermal	0.5	0.5	0.5	0.5	0.5	0.4
Others	1.9	1.3	1.3	1.6	1.6	1.7

Others comprises power generated from renewable energy.

Electricity Power Generation by Region APEC 20



	TWh					
	1990	1995	2000	2004	2005	2006
China	621.2	1,007.7	1,353.3	2,203.3	2,497.9	2,865.7
Japan	833.6	963.1	1,072.5	1,127.6	1,153.1	1,163.6
Other East Asia	221.3	334.7	506.3	623.7	655.2	743.2
Southeast Asia	156.7	289.9	393.2	466.4	498.4	522.6
Oceania	189.1	210.3	249.4	280.8	291.6	298.1
Canada	482.1	560.0	605.6	599.8	626.0	612.6
United States	3,218.6	3,582.1	4,052.5	4,174.5	4,293.9	4,300.1
Latin America	155.7	202.4	264.3	298.9	320.0	332.3
APEC 20	5,878.3	7,150.1	8,497.1	9,775.0	10,336.0	10,838.3

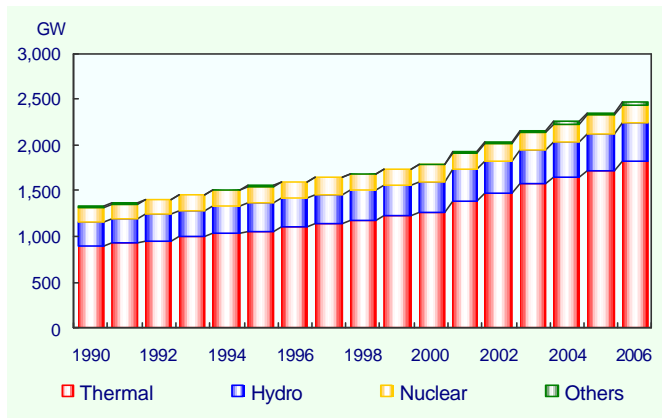
	Share (%)					
	1990	1995	2000	2004	2005	2006
China	10.6	14.1	15.9	22.5	24.2	26.4
Japan	14.2	13.5	12.6	11.5	11.2	10.7
Other East Asia	3.8	4.7	6.0	6.4	6.3	6.9
Southeast Asia	2.7	4.1	4.6	4.8	4.8	4.8
Oceania	3.2	2.9	2.9	2.9	2.8	2.8
Canada	8.2	7.8	7.1	6.1	6.1	5.7
United States	54.8	50.1	47.7	42.7	41.5	39.7
Latin America	2.6	2.8	3.1	3.1	3.1	3.1

Transformation

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Power Generation Capacity by Type APEC 20

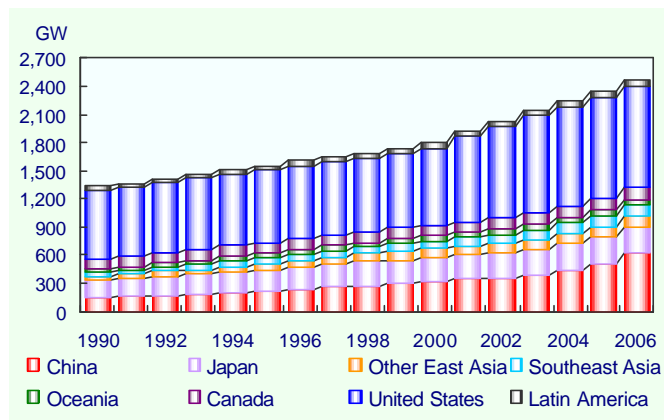


	1990	1995	2000	2004	2005	2006
Thermal	902.3	1,063.2	1,258.2	1,647.3	1,725.8	1,830.6
Hydro	264.3	308.6	344.4	382.0	392.7	408.3
Nuclear	158.3	174.4	176.0	195.6	197.7	199.6
Others	8.4	8.2	10.5	20.2	25.1	30.8
Total	1,333.2	1,554.5	1,789.1	2,245.1	2,341.3	2,469.3

	1990	1995	2000	2004	2005	2006
Thermal	67.7	68.4	70.3	73.4	73.7	74.1
Hydro	19.8	19.9	19.2	17.0	16.8	16.5
Nuclear	11.9	11.2	9.8	8.7	8.4	8.1
Others	0.6	0.5	0.6	0.9	1.1	1.2

"Others" comprises power generated from renewable energy.

Power Generation Capacity by Region APEC 20



	GW					
	1990	1995	2000	2004	2005	2006
China	137.9	217.2	319.3	440.7	508.4	622.0
Japan	194.7	227.0	258.8	272.7	274.6	274.5
Other East Asia	46.2	64.2	92.6	116.2	121.5	127.4
Southeast Asia	37.0	59.8	82.1	115.1	115.4	107.2
Oceania	43.2	48.4	55.3	60.6	60.4	60.8
Canada	104.1	115.5	111.3	120.5	122.8	125.8
United States	733.6	776.3	812.6	1,050.7	1,068.6	1,077.7
Latin America	36.5	46.0	57.0	68.7	69.6	73.9
APEC 19	1,333.2	1,554.5	1,789.1	2,245.1	2,341.3	2,469.3

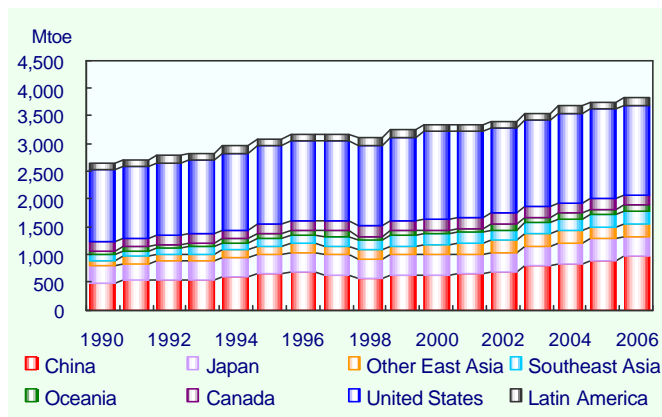
	Share (%)					
	1990	1995	2000	2004	2005	2006
China	10.3	14.0	17.8	19.6	21.7	25.2
Japan	14.6	14.6	14.5	12.1	11.7	11.1
Other East Asia	3.5	4.1	5.2	5.2	5.2	5.2
Southeast Asia	2.8	3.9	4.6	5.1	4.9	4.3
Oceania	3.2	3.1	3.1	2.7	2.6	2.5
Canada	7.8	7.4	6.2	5.4	5.2	5.1
United States	55.0	49.9	45.4	46.8	45.6	43.6
Latin America	2.7	3.0	3.2	3.1	3.0	3.0

Transformation

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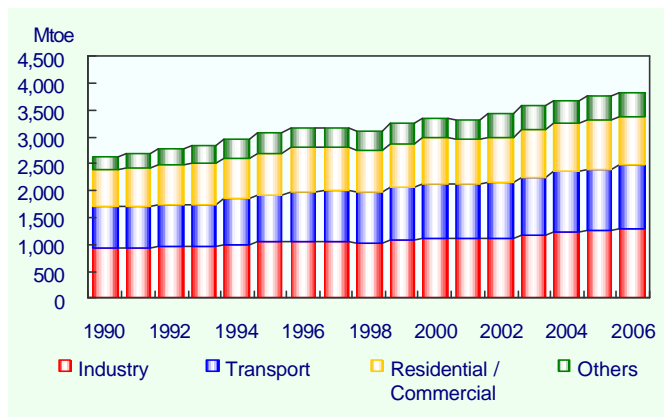
Total Final Energy Consumption by Region APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
China	489.9	660.7	634.7	835.6	906.6	976.3
Japan	305.1	339.9	360.0	364.5	363.9	360.9
Other East Asia	101.6	155.9	195.8	216.9	219.0	221.8
Southeast Asia	99.1	148.1	180.7	226.7	226.7	230.2
Oceania	68.0	76.1	86.2	89.6	92.1	92.1
Canada	160.0	174.6	190.3	202.1	203.9	201.2
United States	1,305.6	1,393.2	1,566.0	1,609.7	1,607.8	1,587.0
Latin America	105.6	117.2	129.5	136.0	139.5	145.8
APEC 20	2,630.7	3,527.6	3,766.1	4,106.3	4,179.3	4,252.4

	Share (%)					
	1990	1995	2000	2004	2005	2006
China	18.6	18.7	16.9	20.3	21.7	23.0
Japan	11.6	9.6	9.6	8.9	8.7	8.5
Other East Asia	3.9	4.4	5.2	5.3	5.2	5.2
Southeast Asia	3.8	4.2	4.8	5.5	5.4	5.4
Oceania	2.6	2.2	2.3	2.2	2.2	2.2
Canada	6.1	4.9	5.1	4.9	4.9	4.7
United States	49.6	39.5	41.6	39.2	38.5	37.3
Latin America	4.0	3.3	3.4	3.3	3.3	3.4

Total Final Energy Consumption by Sector APEC 20



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	922.0	1,038.8	1,119.3	1,236.4	1,254.8	1,307.6
Transport	770.8	886.0	1,011.0	1,117.4	1,145.6	1,160.8
Residential / Commercial	699.8	779.6	835.3	902.4	930.0	911.5
Others	242.3	361.3	377.6	424.9	429.0	435.4
Total	2,634.9	3,065.7	3,343.2	3,681.1	3,759.4	3,815.3

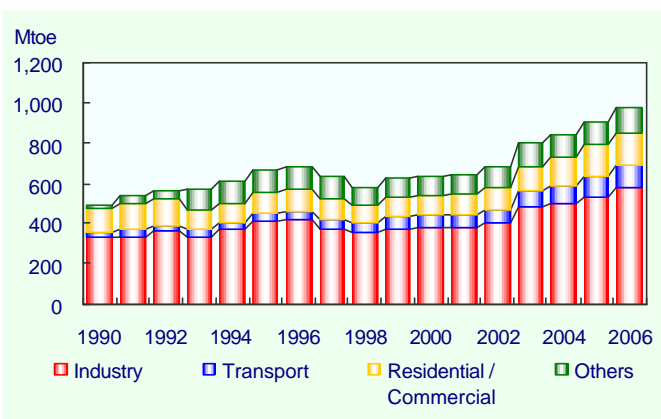
	1990	1995	2000	2004	2005	Share (%) 2006
Industry	35.0	33.9	33.5	33.6	33.4	34.3
Transport	29.3	28.9	30.2	30.4	30.5	30.4
Residential / Commercial	26.6	25.4	25.0	24.5	24.7	23.9
Others	9.2	11.8	11.3	11.5	11.4	11.4

Final Energy Consumption

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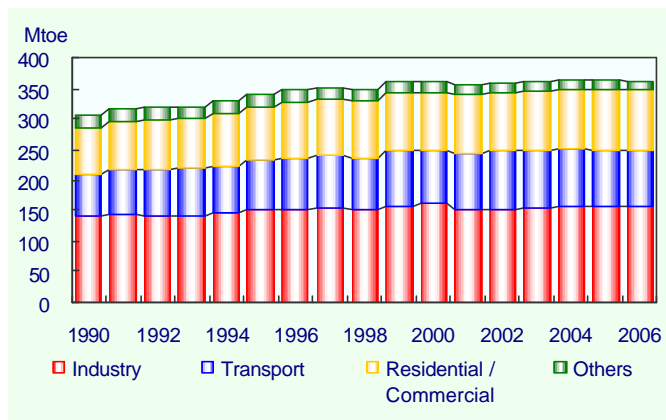
Total Final Energy Consumption by Sector China



	Mtoe					
	1990	1995	2000	2004	2005	2006
Industry	329.8	410.0	379.3	493.3	527.9	577.1
Transport	28.8	36.4	60.1	98.4	107.9	116.0
Residential / Commercial	118.4	107.0	96.0	137.7	153.4	159.2
Others	13.0	107.3	99.3	106.1	117.4	123.9
Total	489.9	660.7	634.7	835.6	906.6	976.3

	Share (%)					
	1990	1995	2000	2004	2005	2006
Industry	67.3	62.1	59.8	59.0	58.2	59.1
Transport	5.9	5.5	9.5	11.8	11.9	11.9
Residential / Commercial	24.2	16.2	15.1	16.5	16.9	16.3
Others	2.6	16.2	15.6	12.7	12.9	12.7

Total Final Energy Consumption by Sector Japan



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	140.8	150.4	160.7	158.0	156.2	156.0
Transport	70.1	81.3	86.9	94.2	93.6	92.7
Residential / Commercial	74.7	89.2	95.5	98.0	100.2	99.3
Others	19.6	19.0	16.8	14.4	13.9	12.9
Total	305.1	339.9	360.0	364.5	363.9	360.9

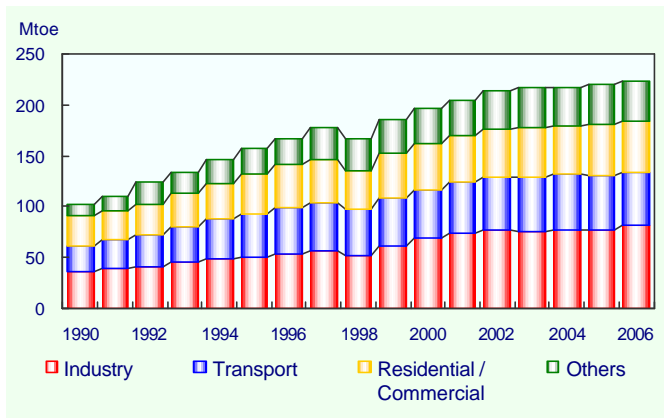
	1990	1995	2000	2004	2005	Share (%) 2006
Industry	46.1	44.2	44.7	43.3	42.9	43.2
Transport	23.0	23.9	24.1	25.8	25.7	25.7
Residential / Commercial	24.5	26.2	26.5	26.9	27.5	27.5
Others	6.4	5.6	4.7	4.0	3.8	3.6

Final Energy Consumption

=66x48+231+0

=66x48+231+162

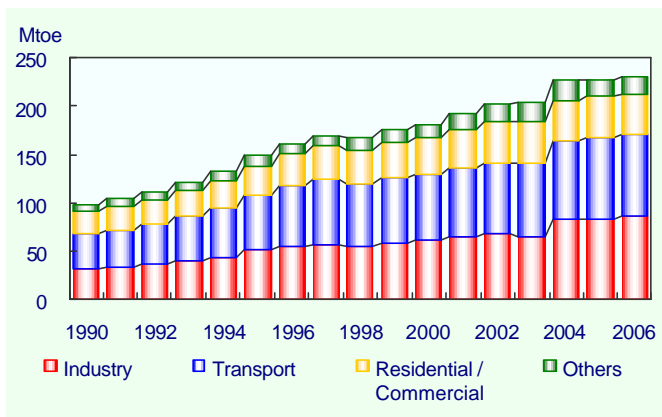
Total Final Energy Consumption by Sector Other East Asia



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	36.0	49.9	68.4	77.1	76.9	80.3
Transport	25.3	42.8	48.6	53.6	52.7	53.5
Residential / Commercial	28.6	37.7	44.8	47.8	50.8	50.1
Others	11.7	25.5	34.0	38.5	38.5	37.8
Total	101.6	155.9	195.8	216.9	219.0	221.8

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	35.4	32.0	34.9	35.5	35.1	36.2
Transport	24.9	27.4	24.8	24.7	24.1	24.1
Residential / Commercial	28.2	24.2	22.9	22.0	23.2	22.6
Others	11.5	16.4	17.4	17.8	17.6	17.1

Total Final Energy Consumption by Sector Southeast Asia

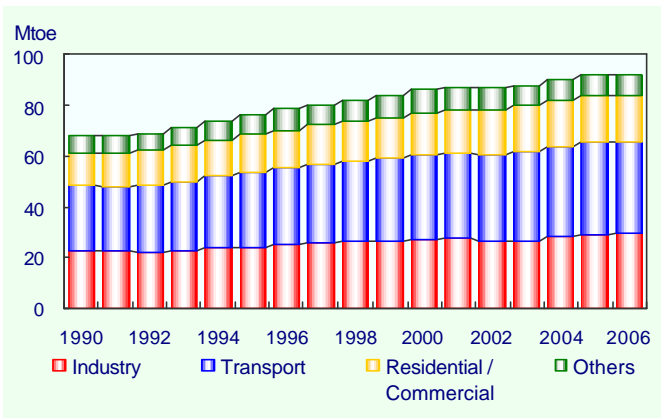


	1990	1995	2000	2004	2005	Mtoe 2006
Industry	31.5	51.1	60.8	83.1	82.9	86.1
Transport	36.7	57.1	68.8	80.2	85.3	84.4
Residential / Commercial	23.1	29.8	38.6	41.8	42.4	42.7
Others	7.7	10.1	12.6	21.6	16.1	17.1
Total	99.1	148.1	180.7	226.7	226.7	230.2

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	31.8	34.5	33.6	36.6	36.6	37.4
Transport	37.1	38.5	38.1	35.4	37.6	36.7
Residential / Commercial	23.4	20.1	21.3	18.5	18.7	18.5
Others	7.8	6.8	7.0	9.5	7.1	7.4

Final Energy Consumption

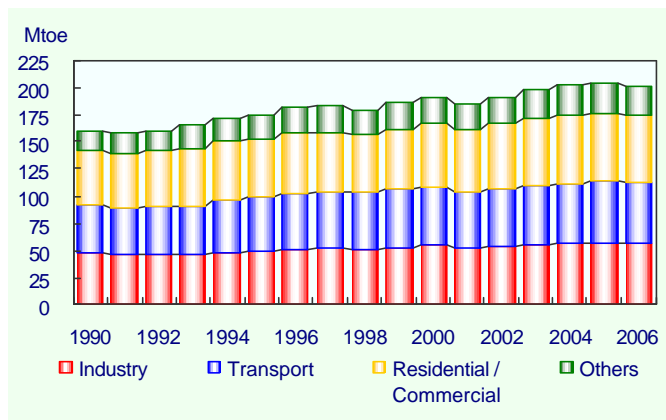
Total Final Energy Consumption by Sector Oceania



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	22.1	24.1	27.2	28.2	28.8	29.6
Transport	26.3	29.6	33.4	35.5	36.3	35.8
Residential / Commercial	12.9	14.6	16.7	18.1	18.5	18.3
Others	6.7	7.7	8.9	7.8	8.4	8.4
Total	68.0	76.1	86.2	89.6	92.1	92.1

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	32.5	31.7	31.6	31.5	31.3	32.1
Transport	38.7	38.9	38.7	39.6	39.5	38.9
Residential / Commercial	19.0	19.2	19.4	20.2	20.1	19.8
Others	9.8	10.2	10.3	8.7	9.1	9.1

Total Final Energy Consumption by Sector Canada

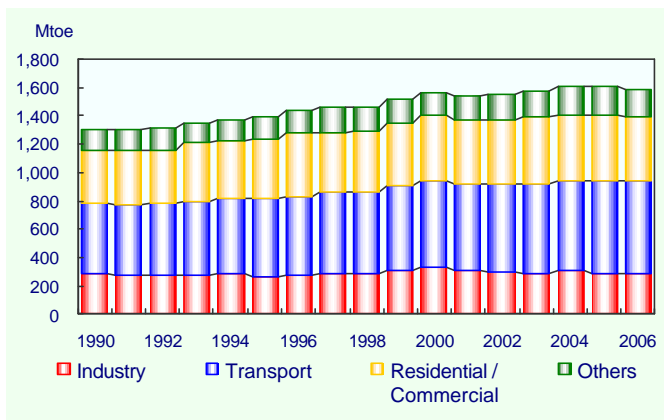


	1990	1995	2000	2004	2005	Mtoe 2006
Industry	47.3	50.1	54.7	56.3	56.9	57.0
Transport	44.2	48.8	53.5	55.7	56.8	56.8
Residential / Commercial	50.7	54.0	58.4	62.6	62.7	60.0
Others	17.8	21.6	23.7	27.4	27.4	27.4
Total	160.0	174.6	190.3	202.1	203.9	201.2

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	29.6	28.7	28.8	27.9	27.9	28.3
Transport	27.6	28.0	28.1	27.6	27.9	28.2
Residential / Commercial	31.7	31.0	30.7	31.0	30.8	29.8
Others	11.1	12.4	12.5	13.6	13.4	13.6

Final Energy Consumption

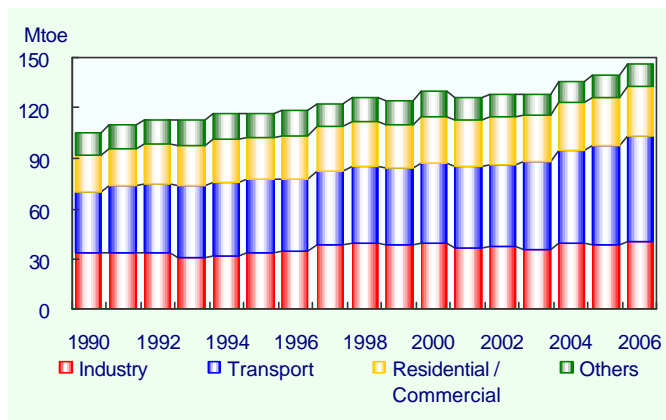
Total Final Energy Consumption by Sector United States of America



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	281.6	269.7	329.1	301.9	286.8	281.7
Transport	502.1	546.5	611.7	643.6	653.6	658.2
Residential / Commercial	369.7	421.6	457.7	467.8	472.6	451.8
Others	152.2	155.4	167.5	196.4	194.8	195.4
Total	1,305.6	1,393.2	1,566.0	1,609.7	1,607.8	1,587.0

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	21.6	19.4	21.0	18.8	17.8	17.7
Transport	38.5	39.2	39.1	40.0	40.7	41.5
Residential / Commercial	28.3	30.3	29.2	29.1	29.4	28.5
Others	11.7	11.2	10.7	12.2	12.1	12.3

Total Final Energy Consumption by Sector Latin America



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	32.9	33.5	38.9	38.5	38.3	40.0
Transport	37.3	43.6	48.1	56.2	59.3	63.3
Residential / Commercial	21.7	25.6	27.7	28.7	29.3	30.1
Others	13.7	14.6	14.8	12.6	12.6	12.4
Total	105.6	117.2	129.5	136.0	139.5	145.8

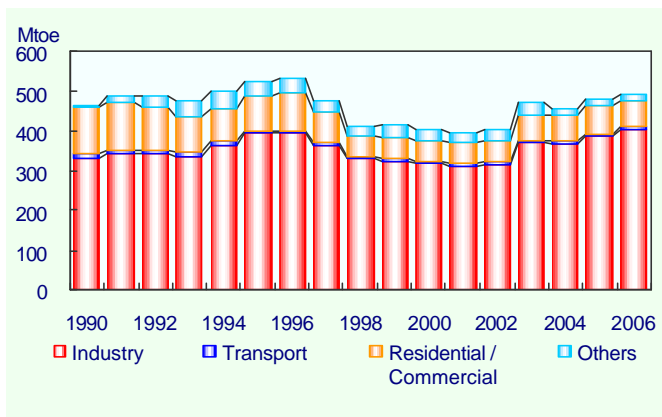
	1990	1995	2000	2004	2005	Share (%) 2006
Industry	31.1	28.6	30.0	28.3	27.4	27.4
Transport	35.3	37.2	37.2	41.4	42.5	43.4
Residential / Commercial	20.6	21.8	21.4	21.1	21.0	20.7
Others	13.0	12.5	11.4	9.3	9.0	8.5

Final Energy Consumption

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=66x48+231+162

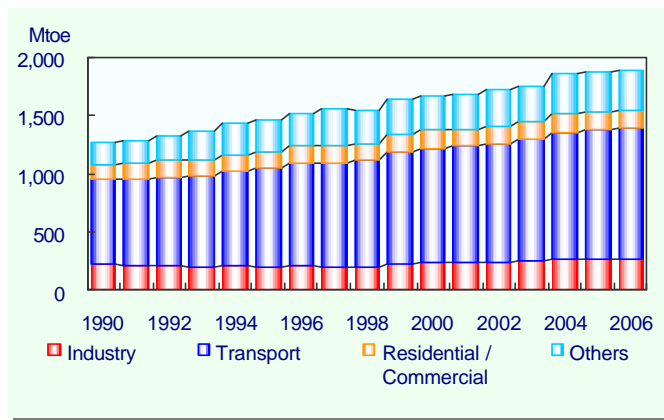
Coal++ Demand by Sector APEC 20



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	330.1	393.5	317.7	367.5	385.0	403.6
Transport	11.2	7.1	5.6	5.5	5.6	4.8
Residential / Commercial	116.1	88.1	51.6	65.9	72.6	66.1
Others	5.9	36.1	28.0	16.6	16.3	16.5
Total	463.3	524.8	402.9	455.6	479.4	491.1

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	71.2	75.0	78.9	80.7	80.3	82.2
Transport	2.4	1.4	1.4	1.2	1.2	1.0
Residential / Commercial	25.1	16.8	12.8	14.5	15.1	13.5
Others	1.3	6.9	6.9	3.6	3.4	3.4

Oil Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
Industry	215.1	196.0	239.4	271.4	262.7	269.2
Transport	737.5	851.9	978.6	1,084.7	1,111.7	1,127.1
Residential / Commercial	127.2	143.3	158.6	159.1	159.9	151.4
Others	190.1	276.0	292.4	340.5	340.7	343.5
Total	1,269.9	1,467.1	1,668.9	1,855.7	1,875.0	1,891.2

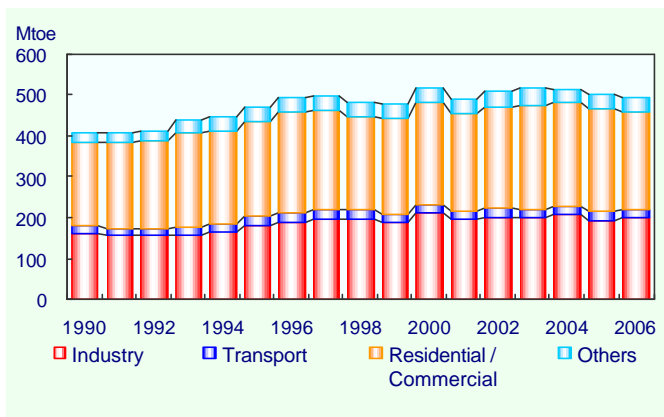
	Share (%)					
	1990	1995	2000	2004	2005	2006
Industry	16.9	13.4	14.3	14.6	14.0	14.2
Transport	58.1	58.1	58.6	58.5	59.3	59.6
Residential / Commercial	10.0	9.8	9.5	8.6	8.5	8.0
Others	15.0	18.8	17.5	18.3	18.2	18.2

Final Energy Consumption

=6x48+231+0

=66x48+231+162

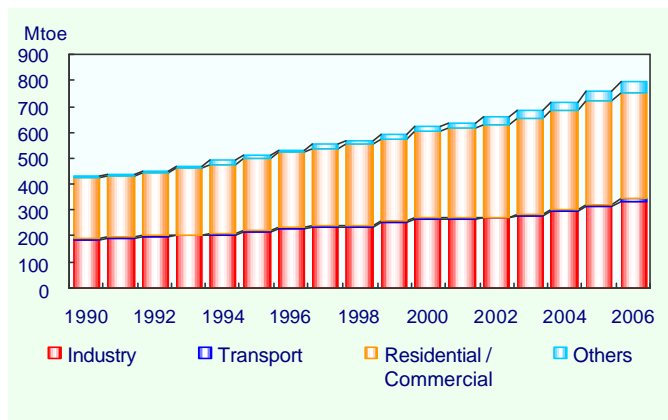
Gas++ Demand by Sector APEC 20



	1990	1995	2000	2004	2005	Mtoe 2006
Industry	163.0	181.7	211.2	208.9	191.8	197.7
Transport	18.4	22.4	21.0	19.6	20.9	21.1
Residential / Commercial	201.1	230.9	247.7	254.3	252.4	239.6
Others	24.6	32.8	37.1	32.7	35.1	35.2
Total	407.2	467.8	517.0	515.5	500.2	493.6

	1990	1995	2000	2004	2005	Share (%) 2006
Industry	40.0	38.8	40.9	40.5	38.3	40.1
Transport	4.5	4.8	4.1	3.8	4.2	4.3
Residential / Commercial	49.4	49.4	47.9	49.3	50.4	48.5
Others	6.0	7.0	7.2	6.3	7.0	7.1

Electricity Demand by Sector APEC 20



	Mtoe					
	1990	1995	2000	2004	2005	2006
Industry	188.2	218.8	266.1	295.7	314.8	338.7
Transport	3.7	4.5	5.7	7.6	7.4	7.7
Residential / Commercial	231.9	275.7	335.1	377.3	395.0	403.9
Others	7.3	11.4	14.9	34.3	35.8	38.6
Total	431.1	510.5	621.9	714.8	753.0	788.9

	Share (%)					
	1990	1995	2000	2004	2005	2006
Industry	43.7	42.9	42.8	41.4	41.8	42.9
Transport	0.9	0.9	0.9	1.1	1.0	1.0
Residential / Commercial	53.8	54.0	53.9	52.8	52.5	51.2
Others	1.7	2.2	2.4	4.8	4.8	4.9

Final Energy Consumption

=6x48+231+0

=66x48+231+162

APEC 21, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	2,337,978	-	1,487,061	7,272
2 Import	296,456	7,645	1,351,941	409,701
3 Export	-369,618	-13,486	-545,822	-341,138
4 International Marine Bunkers	-	-	-	-90,032
5 Stock Change	-14,067	-2,085	-4,349	-14,396
6 Total Primary Energy Supply	2,250,749	-7,926	2,288,832	-28,594
7 Public Electricity	-1,310,680	-66,232	-6,557	-70,597
8 Autoproducers of Electricity	-97,354	-25,939	-1,016	-42,886
9 Gas Processing	-9,260	-1,624	-	-1,997
10 Petroleum Refineries	-	-	-2,202,649	2,196,333
11 Coal Transformation	-384,864	241,779	-	-569
12 Other Transformation	-	-	15,909	-7,921
13 Loss & Own Use	-74,327	-10,006	-10,854	-112,766
14 Discrepancy	13,691	-7,062	-15,549	-29,723
15 Total Final Energy Consumption	387,956	122,990	6,975	1,987,138
16 Industry Sector	304,972	113,155	6,909	543,824
17 Transport Sector	4,837	6	12	1,186,000
18 Other Sector	78,147	9,829	54	257,314
18.1 Agriculture	11,939	542	8	62,093
18.2 Residential & Commercial	62,224	9,080	34	163,738
18.3 Other	3,984	207	12	31,483

Australia, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	201,355	-	23,080	-
2 Import	-	-	20,026	11,918
3 Export	-150,035	-	-12,550	-1,748
4 International Marine Bunkers	-	-	-	-967
5 Stock Change	2,766	-369	-829	-143
6 Total Primary Energy Supply	54,087	-369	29,727	9,060
7 Public Electricity	-48,120	-626	-	-539
8 Autoproducers of Electricity	-	-15	-	-321
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-33,188	32,027
11 Coal Transformation	-3,328	2,189	-	-21
12 Other Transformation	-	-	27	-
13 Loss & Own Use	-	-319	-30	-2,660
14 Discrepancy	-37	31	1,406	-5,512
15 Total Final Energy Consumption	2,602	892	-	39,240
16 Industry Sector	2,500	827	-	7,156
17 Transport Sector	79	-	-	29,014
18 Other Sector	23	65	-	3,070
18.1 Agriculture	-	-	-	2,166
18.2 Residential & Commercial	23	65	-	904
18.3 Other	-	-	-	-

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
1,409,206	134,738	424,597	47,325	231,917	-	-	6,080,094
258,217	-	-	-	1,479	8,312	-	2,333,750
-347,925	-	-	-	-349	-9,183	-	-1,627,521
-	-	-	-	-	-	-	-90,032
-20,353	-	-	-	-9,513	-	-	-64,763
1,299,145	134,738	424,597	47,325	223,534	-871	-	6,631,528
-484,912	-130,694	-424,597	-43,635	-17,684	945,595	94,367	-1,515,626
-61,262	-4,044	-	-396	-31,520	66,911	129,565	-67,942
-4,872	-	-	-	-	-	-	-17,753
-	-	-	-	-	-	-	-6,315
-79	-	-	-	-	-	-	-143,732
-3,836	-	-	-0	-17,635	-	-	-13,483
-114,019	-	-	-	-388	-168,734	-45,970	-537,065
-5,939	-0	-	0	12,349	4,587	-1,468	-29,113
624,226	-	-	3,293	168,655	847,488	176,493	4,325,216
282,570	-	-	249	79,765	369,145	82,746	1,783,334
54,699	-	-	-	-	15,058	-	1,260,613
286,957	-	-	3,044	88,890	463,285	93,748	1,281,269
995	-	-	-	487	12,501	3,140	91,705
282,905	-	-	3,044	88,403	423,207	89,347	1,121,983
3,057	-	-	-	1	27,576	1,261	67,581

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
36,933	1,378	-	206	4,966	-	-	267,918
1,204	-	-	-	-	-	-	33,149
-14,611	-	-	-	-	-	-	-178,944
-	-	-	-	-	-	-	-967
-	-	-	-	-	-	-	1,426
23,526	1,378	-	206	4,966	-	-	122,582
-4,822	-1,354	-	-148	-299	20,534	-	-35,374
-2,729	-24	-	-	-827	1,109	-	-2,807
1,050	-	-	-	-	-	-	1,050
-	-	-	-	-	-	-	-1,161
-79	-	-	-	-	-	-	-1,240
-	-	-	-	-29	-	-	-2
-3,118	-	-	-	-	-3,725	-	-9,851
-574	-	-	0	-	111	-	-4,576
13,253	-	-	58	3,811	18,029	-	77,885
9,038	-	-	-	2,572	8,076	-	30,170
379	-	-	-	-	225	-	29,697
3,836	-	-	58	1,240	9,727	-	18,019
2	-	-	-	-	160	-	2,327
3,835	-	-	58	1,240	9,568	-	15,692
-	-	-	-	-	-	-	-

Energy Balances

=6x48+231+0

=6x48+231+162

Brunei Darussalam, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	11,208	15
2 Import	-	-	-	13
3 Export	-	-	-10,536	-
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	77	-7
6 Total Primary Energy Supply	-	-	749	21
7 Public Electricity	-	-	-	-
8 Autoproducers of Electricity	-	-	-	-8
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-735	639
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-155
14 Discrepancy	-	-	-13	-16
15 Total Final Energy Consumption	-	-	-	514
16 Industry Sector	-	-	-	69
17 Transport Sector	-	-	-	430
18 Other Sector	-	-	-	15
18.1 Agriculture	-	-	-	0
18.2 Residential & Commercial	-	-	-	15
18.3 Other	-	-	-	-

Canada, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	32,536	-	155,929	-
2 Import	11,219	65	42,763	14,368
3 Export	-16,445	-64	-95,274	-20,948
4 International Marine Bunkers	-	-	-	-536
5 Stock Change	191	30	173	-648
6 Total Primary Energy Supply	27,501	31	103,591	-7,764
7 Public Electricity	-22,790	-	-	-1,983
8 Autoproducers of Electricity	-1	-59	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-98,035	104,099
11 Coal Transformation	-2,926	1,192	-	-
12 Other Transformation	-	-	122	-
13 Loss & Own Use	-15	-	-	-9,427
14 Discrepancy	-233	250	-4,042	-10,905
15 Total Final Energy Consumption	1,537	1,414	-	93,315
16 Industry Sector	1,498	1,414	-	25,653
17 Transport Sector	-	-	-	52,487
18 Other Sector	39	-	-	15,174
18.1 Agriculture	-	-	-	2,393
18.2 Residential & Commercial	39	-	-	12,781
18.3 Other	-	-	-	-

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
11,816	-	-	-	-	-	-	23,038
-	-	-	-	-	-	-	13
-8,537	-	-	-	-	-	-	-19,073
-	-	-	-	-	-	-	-
-10	-	-	-	-	-	-	60
3,269	-	-	-	-	-	-	4,039
-1,040	-	-	-	-	254	-	-786
-883	-	-	-	-	30	-	-861
-80	-	-	-	-	-	-	-80
-	-	-	-	-	-	-	-96
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-571	-	-	-	-	-26	-	-751
-682	-	-	-	-	0	-	-679
13	-	-	-	-	258	-	785
-	-	-	-	-	48	-	117
-	-	-	-	-	-	-	430
13	-	-	-	-	210	-	238
-	-	-	-	-	-	-	0
13	-	-	-	-	-	-	28
-	-	-	-	-	210	-	210

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
154,909	30,574	25,529	217	12,725	-	-	412,419
7,939	-	-	-	26	2,032	-	78,412
-83,973	-	-	-	-13	-3,675	-	-220,392
-	-	-	-	-	-	-	-536
617	-	-	-	-	-	-	363
79,492	30,574	25,529	217	12,738	-1,644	-	270,266
-5,439	-27,700	-25,529	-217	-9	48,208	832	-34,626
-1,769	-2,874	-	-	-2,098	4,475	-	-2,326
-1,169	-	-	-	-	-	-	-1,169
-	-	-	-	-	-	-	6,064
-	-	-	-	-	-	-	-1,734
-631	-	-	-	-130	-	-	-639
-14,894	-	-	-	-	-8,500	-	-32,836
-4,908	-	-	-	-0	373	-	-19,465
50,682	-	-	-	10,502	42,912	832	201,194
22,788	-	-	-	8,476	17,550	769	78,129
4,100	-	-	-	-	390	-	56,977
23,814	-	-	-	2,026	24,972	63	66,088
441	-	-	-	-	831	1	3,667
23,373	-	-	-	2,026	24,141	62	62,421
-	-	-	-	-	-	-	-

Energy Balances

Chile, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	277	-	154	-
2 Import	3,168	-	11,483	4,291
3 Export	-	-6	-	-2,130
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-2	4	-500	-776
6 Total Primary Energy Supply	3,443	-2	11,137	1,386
7 Public Electricity	-2,483	-	-	-613
8 Autoproducers of Electricity	-8	-	-	-112
9 Gas Processing	-	-	-	-3
10 Petroleum Refineries	-	-	-11,683	11,832
11 Coal Transformation	-504	490	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-0	-72	-	-538
14 Discrepancy	-0	0	546	-0
15 Total Final Energy Consumption	448	417	-	11,952
16 Industry Sector	434	417	-	2,619
17 Transport Sector	0	-	-	8,088
18 Other Sector	15	-	-	1,245
18.1 Agriculture	-	-	-	-
18.2 Residential & Commercial	5	-	-	1,170
18.3 Other	10	-	-	75

China, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,239,304	-	184,766	-
2 Import	23,048	0	145,175	44,985
3 Export	-33,144	-9,864	-6,337	-15,260
4 International Marine Bunkers	-	-	-	-2,343
5 Stock Change	5,338	-2,256	-1,111	-9
6 Total Primary Energy Supply	1,234,546	-12,120	322,492	27,372
7 Public Electricity	-601,591	-879	-	-
8 Autoproducers of Electricity	-55,615	-11,164	-238	-17,577
9 Gas Processing	-7,260	-1,605	-	-134
10 Petroleum Refineries	-	-	-310,460	300,781
11 Coal Transformation	-217,308	103,888	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-73,373	-3,073	-7,652	-6,540
14 Discrepancy	23,477	-2,336	-40	49
15 Total Final Energy Consumption	302,877	72,710	4,103	303,951
16 Industry Sector	228,251	65,053	4,103	118,444
17 Transport Sector	4,758	6	-	106,483
18 Other Sector	69,868	7,651	-	79,024
18.1 Agriculture	11,717	541	-	22,615
18.2 Residential & Commercial	54,179	6,903	-	33,335
18.3 Other	3,972	207	-	23,073

Unit: ktoe							
Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
2,054	2,475	-	1	4,730	-	-	9,691
5,365	-	-	-	-	196	-	24,504
-	-	-	-	-	-	-	-2,136
-	-	-	-	-	-	-	-
-349	-	-	-	-	-	-	-1,622
7,071	2,475	-	1	4,730	196	-	30,436
-2,131	-2,429	-	-1	-17	4,447	-	-3,226
-124	-46	-	-	-487	311	-	-467
-2,907	-	-	-	-	-	-	-2,910
-	-	-	-	-	-	-	149
-	-	-	-	-	-	-	-13
-213	-	-	-	-	-	-	-213
-478	-	-	-	-	-599	-	-1,686
103	-	-	-	-0	-0	-	649
1,321	-	-	-	4,226	4,355	-	22,720
732	-	-	-	1,305	2,936	-	8,442
36	-	-	-	-	28	-	8,152
553	-	-	-	2,921	1,392	-	6,126
-	-	-	-	-	-	-	-
529	-	-	-	2,921	1,376	-	6,001
24	-	-	-	-	16	-	125

Unit: ktoe							
Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
54,513	37,478	14,292	-	5,673	-	-	1,536,025
88	-	-	-	-	463	-	213,760
-2,698	-	-	-	-	-1,055	-	-68,359
-	-	-	-	-	-	-	-2,343
-	-	-	-	-	-	-	1,961
51,903	37,478	14,292	-	5,673	-592	-	1,681,044
-	-37,478	-14,292	-	-2,698	229,925	33,135	-393,877
-5,482	-	-	-	-	16,527	26,112	-47,437
8,378	-	-	-	-	-	-	-620
-	-	-	-	-	-	-	-9,679
-	-	-	-	-	-	-	-113,420
-522	-	-	-	-	-	-	-522
-8,380	-	-	-	-46	-46,371	-12,677	-158,113
-835	-	-	-	-3	-71	-1,349	18,892
45,062	-	-	-	2,926	199,419	45,221	976,268
27,819	-	-	-	2,926	138,215	29,697	614,508
757	-	-	-	-	4,019	-	116,023
16,487	-	-	-	-	57,184	15,524	245,737
-	-	-	-	-	8,145	21	43,039
15,298	-	-	-	-	35,250	14,254	159,219
1,189	-	-	-	-	13,789	1,249	43,479

Energy Balances

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Hong Kong, China, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	-	-
2 Import	7,182	-	-	16,436
3 Export	-0	-	-	-1,187
4 International Marine Bunkers	-	-	-	-7,329
5 Stock Change	-331	-	-	-188
6 Total Primary Energy Supply	6,851	-	-	7,731
7 Public Electricity	-6,851	-	-	-37
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-590
10 Petroleum Refineries	-	-	-	-
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-0	-	-	-554
15 Total Final Energy Consumption	0	-	-	6,550
16 Industry Sector	0	-	-	191
17 Transport Sector	-	-	-	6,116
18 Other Sector	-	-	-	243
18.1 Agriculture	-	-	-	-
18.2 Residential & Commercial	-	-	-	243
18.3 Other	-	-	-	-

Indonesia, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	105,348	-	48,922	-
2 Import	60	-	15,768	17,462
3 Export	-78,093	-	-18,019	-5,829
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	-	-
6 Total Primary Energy Supply	27,315	-	46,672	11,634
7 Public Electricity	-15,092	-	-	-8,709
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-44,402	45,840
11 Coal Transformation	-19	16	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	-677	-	-2,270	-5,744
15 Total Final Energy Consumption	11,527	16	-	43,021
16 Industry Sector	11,527	-	-	8,717
17 Transport Sector	-	-	-	25,507
18 Other Sector	-	16	-	8,797
18.1 Agriculture	-	-	-	-
18.2 Residential & Commercial	-	16	-	8,797
18.3 Other	-	-	-	-

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
-	-	-	-	93	-	-	93
2,185	-	-	-	-	937	-	26,740
-	-	-	-	-	-389	-	-1,577
-	-	-	-	-	-	-	-7,329
-21	-	-	-	-	-	-	-540
2,164	-	-	-	93	548	-	17,388
-2,164	-	-	-	-	3,806	-	-5,246
-	-	-	-	-46	-	-	-46
581	-	-	-	-	-	-	-8
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-885	-	-885
0	-	-	-	-46	-0	-	-601
581	-	-	-	-	3,469	-	10,600
19	-	-	-	-	335	-	546
-	-	-	-	-	58	-	6,174
562	-	-	-	-	3,076	-	3,880
-	-	-	-	-	-	-	-
562	-	-	-	-	3,076	-	3,880
-	-	-	-	-	-	-	-

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
67,942	821	-	5,726	44,365	-	-	273,125
-	-	-	-	-	-	-	33,291
-29,590	-	-	-	-	-	-	-131,531
-	-	-	-	-	-	-	-
38,352	821	-	5,726	44,365	-	-	174,885
-3,752	-821	-	-5,726	-9	11,447	-	-22,664
-	-	-	-	-	-	-	-
-7,906	-	-	-	-	-	-	-7,906
-	-	-	-	-	-	-	1,438
-	-	-	-	-	-	-	-2
-	-	-	-	-	-	-	-
-11,230	-	-	-	-	-1,687	-	-12,917
-4,806	-	-	-	-	-76	-	-13,572
10,657	-	-	-	44,356	9,684	-	119,262
10,609	-	-	-	7,494	3,751	-	42,099
5	-	-	-	-	-	-	25,512
43	-	-	-	36,862	5,934	-	51,651
-	-	-	-	-	-	-	-
43	-	-	-	36,862	5,554	-	51,272
-	-	-	-	-	379	-	379

Energy Balances

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Japan, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	685	-	779	-
2 Import	106,337	1,187	210,313	50,047
3 Export	-	-1,321	-	-9,171
4 International Marine Bunkers	-	-	-	-6,306
5 Stock Change	-528	-	-1,007	-1,474
6 Total Primary Energy Supply	106,494	-135	210,085	33,096
7 Public Electricity	-47,318	-4,522	-6,557	-10,354
8 Autoproducers of Electricity	-9,113	-2,952	-	-11,193
9 Gas Processing	-	-14	-	-1,143
10 Petroleum Refineries	-	-	-208,379	212,320
11 Coal Transformation	-39,765	35,917	-	-548
12 Other Transformation	-	-	5,671	-5,788
13 Loss & Own Use	-163	-3,175	-	-12,808
14 Discrepancy	4,478	-2,976	-819	153
15 Total Final Energy Consumption	14,614	22,144	-	203,736
16 Industry Sector	14,614	21,160	-	72,185
17 Transport Sector	-	-	-	91,652
18 Other Sector	-	984	-	39,899
18.1 Agriculture	-	-	-	4,955
18.2 Residential & Commercial	-	984	-	32,565
18.3 Other	-	-	-	2,379

Republic of Korea, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,210	-	571	2,111
2 Import	50,173	204	122,773	22,876
3 Export	-	-	-2	-38,978
4 International Marine Bunkers	-	-	-	-9,914
5 Stock Change	1,022	-	-1,485	-1,011
6 Total Primary Energy Supply	52,406	204	121,857	-24,916
7 Public Electricity	-32,183	-	-	-4,543
8 Autoproducers of Electricity	-1,555	-2,369	-	-506
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-129,124	125,983
11 Coal Transformation	-14,838	6,826	-	-
12 Other Transformation	-	-	48	-281
13 Loss & Own Use	-	-792	-33	-4,827
14 Discrepancy	624	-1	7,034	-8,390
15 Total Final Energy Consumption	4,453	3,868	-	82,714
16 Industry Sector	4,453	2,764	-	39,689
17 Transport Sector	-	-	-	32,400
18 Other Sector	-	1,104	-	10,625
18.1 Agriculture	-	-	-	1,283
18.2 Residential & Commercial	-	1,104	-	7,420
18.3 Other	-	-	-	1,922

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
3,061	8,230	79,298	3,659	7,979	-	-	103,691
73,004	-	-	-	-	-	-	440,888
-	-	-	-	-	-	-	-10,482
-	-	-	-	-	-	-	-6,306
-26	-	-	-	-	-	-	-3,036
76,039	8,230	79,298	3,659	7,979	-	-	524,745
-44,941	-7,534	-79,298	-2,701	-1,390	83,703	673	-120,239
-3,279	-695	-	-391	-7,101	16,266	-	-18,458
1,291	-	-	-	-	-	-	134
-	-	-	-	-	-	-	3,941
-	-	-	-	-	-	-	-4,395
-	-	-	-	-	-	-	-117
-1,952	-	-	-	-	-11,166	-	-29,264
24	-0	-	-	3,043	781	-89	4,594
27,182	-	-	568	2,531	89,583	584	360,941
12,053	-	-	-	2,502	37,794	-	160,308
-	-	-	-	-	1,852	-	93,504
15,128	-	-	568	29	49,937	584	107,129
-	-	-	-	-	325	-	5,280
15,128	-	-	568	29	49,612	584	99,470
-	-	-	-	-	-	-	2,379

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
393	449	38,764	62	2,397	-	-	45,957
29,550	-	-	-	28	-	-	225,605
-	-	-	-	-	-	-	-38,980
-	-	-	-	-	-	-	-9,914
-1,249	-	-	-	-	-	-	-2,723
28,694	449	38,764	62	2,425	-	-	219,945
-11,933	-449	-38,764	-20	-54	32,629	1,406	-53,912
-747	-	-	-3	-337	2,111	3,107	-298
73	-	-	-	-	-	-	73
-	-	-	-	-	-	-	-3,141
-	-	-	-	-	-	-	-8,012
-	-	-	-	-31	-	-	-264
-415	-	-	-	-	-3,078	-91	-9,236
628	-	-	-	-0	275	-17	152
16,300	-	-	39	2,003	31,936	4,405	145,720
4,366	-	-	1	1,621	16,294	2,856	72,045
452	-	-	-	-	218	-	33,071
11,482	-	-	39	382	15,425	1,549	40,605
25	-	-	-	-	482	-	1,790
11,457	-	-	39	382	14,797	1,549	36,747
-	-	-	-	-	146	-	2,068

Energy Balances

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Malaysia, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	486	-	34,986	2,087
2 Import	5,829	-	8,043	7,726
3 Export	-60	-	-17,330	-9,520
4 International Marine Bunkers	-	-	-	-86
5 Stock Change	-234	-	103	351
6 Total Primary Energy Supply	6,020	-	25,802	556
7 Public Electricity	-5,095	-	-	-787
8 Autoproducers of Electricity	-	-	-	-33
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-24,971	23,459
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-844
13 Loss & Own Use	-	-	-	-
14 Discrepancy	215	-	-831	11
15 Total Final Energy Consumption	1,141	-	-	22,361
16 Industry Sector	1,141	-	-	5,129
17 Transport Sector	-	-	-	14,689
18 Other Sector	-	-	-	2,543
18.1 Agriculture	-	-	-	238
18.2 Residential & Commercial	-	-	-	1,606
18.3 Other	-	-	-	699

Mexico, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	5,510	-	192,615	-
2 Import	3,696	205	465	18,873
3 Export	-	-2	-104,448	-4,658
4 International Marine Bunkers	-	-	-	-892
5 Stock Change	-1,207	542	-314	23
6 Total Primary Energy Supply	7,999	744	88,318	13,346
7 Public Electricity	-6,812	-	-	-13,804
8 Autoproducers of Electricity	-	-107	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-80,378	69,382
11 Coal Transformation	-1,078	887	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-22	-	-6,206
14 Discrepancy	-0	0	4,482	-2,596
15 Total Final Energy Consumption	109	1,502	-	73,722
16 Industry Sector	109	1,502	-	11,610
17 Transport Sector	-	-	-	50,122
18 Other Sector	-	-	-	11,991
18.1 Agriculture	-	-	-	2,622
18.2 Residential & Commercial	-	-	-	9,369
18.3 Other	-	-	-	-

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
49,449	554	-	-	-	-	-	87,561
2,895	-	-	-	-	-	-	24,493
-25,957	-	-	-	-	-	-	-52,868
-	-	-	-	-	-	-	-88
-	-	-	-	-	-	-	220
26,386	554	-	-	-	-	-	59,318
-10,773	-554	-	-	-	7,238	-	-9,971
-1,208	-	-	-	-	484	-	-758
-4,809	-	-	-	-	-	-	-4,809
-	-	-	-	-	-	-	-1,512
-	-	-	-	-	-	-	-
-716	-	-	-	-	-	-	-1,560
-784	-	-	-	-	-273	-	-1,057
46	-	-	-	-	-180	-	-739
8,142	-	-	-	-	7,268	-	38,912
6,168	-	-	-	-	3,473	-	15,911
105	-	-	-	-	5	-	14,799
1,869	-	-	-	-	3,790	-	8,202
-	-	-	-	-	-	-	238
25	-	-	-	-	3,790	-	5,422
1,844	-	-	-	-	-	-	2,543

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
42,211	2,614	2,832	5,848	8,163	-	-	259,793
8,291	-	-	-	-	45	-	31,574
-296	-	-	-	-	-112	-	-109,515
-	-	-	-	-	-	-	-892
37	-	-	-	-	-	-	-919
50,242	2,614	2,832	5,848	8,163	-67	-	180,041
-19,444	-2,606	-2,832	-5,753	-	19,357	-	-31,895
-7,297	-8	-	-2	-1,125	2,113	-	-6,425
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-10,996
-	-	-	-	-	-	-	-191
-	-	-	-	-	-	-	-
-11,931	-	-	-	-	-5,317	-	-23,477
3,105	-	-	-	-0	326	-	5,317
14,676	-	-	93	7,038	16,412	-	113,552
12,611	-	-	-	1,135	9,551	-	36,518
1,006	-	-	-	-	102	-	51,230
1,059	-	-	93	5,903	6,758	-	25,804
-	-	-	-	-	745	-	3,366
1,059	-	-	93	5,903	6,014	-	22,438
-	-	-	-	-	-	-	-

Energy Balances

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New Zealand, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	3,471	-	1,015	-
2 Import	630	-	4,780	2,105
3 Export	-1,954	-	-752	-73
4 International Marine Bunkers	-	-	-	-285
5 Stock Change	-54	-	122	-13
6 Total Primary Energy Supply	2,093	-	5,165	1,733
7 Public Electricity	-1,143	-	-	-5
8 Autoproducers of Electricity	-12	-434	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-5,250	5,319
11 Coal Transformation	-409	434	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-361
14 Discrepancy	-2	-	232	31
15 Total Final Energy Consumption	528	-	-	6,866
16 Industry Sector	382	-	-	694
17 Transport Sector	-	-	-	5,755
18 Other Sector	146	-	-	416
18.1 Agriculture	45	-	-	168
18.2 Residential & Commercial	101	-	-	145
18.3 Other	-	-	-	103

Papua New Guinea, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	2,867	-
2 Import	-	-	993	655
3 Export	-	-	-2,482	-435
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	-294	-
6 Total Primary Energy Supply	-	-	1,084	220
7 Public Electricity	-	-	-	-92
8 Autoproducers of Electricity	-	-	-	-406
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-1,060	1,060
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-21
14 Discrepancy	-	-	0	0
15 Total Final Energy Consumption	-	-	12	775
16 Industry Sector	-	-	-	381
17 Transport Sector	-	-	-	344
18 Other Sector	-	-	12	50
18.1 Agriculture	-	-	-	-
18.2 Residential & Commercial	-	-	-	-
18.3 Other	-	-	12	50

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
3,279	2,017	-	3,161	1,045	-	-	13,989
-	-	-	-	-	-	-	7,515
-	-	-	-	-	-	-	-2,779
-	-	-	-	-	-	-	-285
-	-	-	-	-	-	-	54
3,279	2,017	-	3,161	1,045	-	-	18,493
-1,683	-2,017	-	-2,923	-29	3,574	-	-4,226
-157	-	-	-	-181	164	12	-607
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	69
-	-	-	-	-	-	-	25
-	-	-	-	-	-	-	-
-126	-	-	-	-	-466	-	-953
98	-	-	-	0	33	-12	380
1,410	-	-	238	836	3,305	-	13,182
1,110	-	-	138	642	1,259	-	4,224
4	-	-	-	-	41	-	5,801
296	-	-	100	194	2,005	-	3,158
40	-	-	-	-	124	-	378
256	-	-	100	194	1,771	-	2,568
-	-	-	-	-	109	-	212

Energy Balances

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
259	74	-	-	-	-	-	3,201
-	-	-	-	-	-	-	1,648
-	-	-	-	-	-	-	-2,917
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-294
259	74	-	-	-	-	-	1,638
-	-44	-	-	-	68	-	-68
-111	-30	-	-	-	191	-	-356
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-148	-	-	-	-	-18	-	-187
0	-	-	-	-	-0	-	0
-	-	-	-	-	241	-	1,028
-	-	-	-	-	172	-	553
-	-	-	-	-	-	-	344
-	-	-	-	-	69	-	131
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	69	-	131

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Peru, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	75	-	5,456	-
2 Import	507	205	5,330	1,000
3 Export	-	-	-1,256	-2,306
4 International Marine Bunkers	-	-	-	-
5 Stock Change	13	-16	-188	-1,058
6 Total Primary Energy Supply	594	189	9,342	-2,363
7 Public Electricity	-233	-	-	-330
8 Autoproducers of Electricity	-	-	-	-142
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-8,701	8,277
11 Coal Transformation	-	-149	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-368
14 Discrepancy	6	-10	730	32
15 Total Final Energy Consumption	367	30	-	6,724
16 Industry Sector	367	30	-	2,002
17 Transport Sector	-	-	-	3,939
18 Other Sector	0	-	-	783
18.1 Agriculture	-	-	-	0
18.2 Residential & Commercial	0	-	-	783
18.3 Other	-	-	-	-

Philippines, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	1,243	-	702	-
2 Import	4,073	-	10,354	4,957
3 Export	-	-	-678	-1,687
4 International Marine Bunkers	-	-	-	-124
5 Stock Change	-	-	-80	-24
6 Total Primary Energy Supply	5,316	-	10,298	3,122
7 Public Electricity	-3,714	-	-	-1,032
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-9,897	9,441
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-324	-
14 Discrepancy	-278	-	-77	-190
15 Total Final Energy Consumption	1,324	-	-	11,341
16 Industry Sector	1,324	-	-	1,618
17 Transport Sector	-	-	-	8,030
18 Other Sector	-	-	-	1,693
18.1 Agriculture	-	-	-	20
18.2 Residential & Commercial	-	-	-	1,457
18.3 Other	-	-	-	216

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
1,859	1,685	-	2	2,019	-	-	11,096
-	-	-	-	-	-	-	7,042
-	-	-	-	-	-	-	-3,562
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-1,249
1,859	1,685	-	2	2,019	-	-	13,327
-1,043	-1,682	-	-	-	2,203	-	-1,085
-	-3	-	-0	-105	151	-	-99
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-424
-	-	-	-	-	-	-	-149
-105	-	-	-0	-77	-	-	-182
-377	-	-	-	-	-316	-	-1,061
0	-	-	-0	-9	-0	-	748
334	-	-	1	1,828	2,038	-	11,322
321	-	-	0	85	1,110	-	3,915
7	-	-	-	-	-	-	3,946
6	-	-	1	1,743	928	-	3,462
-	-	-	-	-	-	-	0
6	-	-	1	1,743	877	-	3,410
-	-	-	-	-	51	-	51

Unit: ktoe

Natural Gas. LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
2,530	855	-	9,005	7,044	-	-	21,378
-	-	-	-	1	-	-	19,385
-	-	-	-	-	-	-	-2,365
-	-	-	-	-	-	-	-124
-	-	-	-	-	-	-	-103
2,530	855	-	9,005	7,045	-	-	38,171
-2,311	-855	-	-9,005	-	4,883	-	-12,033
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-456
-	-	-	-	-	-	-	-
-	-	-	-	-1,252	-	-	-1,252
-193	-	-	-	-	-956	-	-1,473
27	-	-	-	-0	-0	-	-519
53	-	-	-	5,793	3,928	-	22,438
53	-	-	-	1,206	1,344	-	5,544
-	-	-	-	-	8	-	8,039
-	-	-	-	4,587	2,576	-	8,856
-	-	-	-	-	41	-	61
-	-	-	-	4,587	2,535	-	8,579
-	-	-	-	-	-	-	216

Energy Balances

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Russia, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	143,178	-	478,206	-
2 Import	14,159	36	2,332	44
3 Export	-50,013	-1,267	-249,687	-88,116
4 International Marine Bunkers	-	-	-	-
5 Stock Change	569	22	-2,149	-2,122
6 Total Primary Energy Supply	107,893	-1,208	228,702	-90,194
7 Public Electricity	-55,112	-	-	-5,885
8 Autoproducers of Electricity	-19,599	-6,913	-779	-10,102
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-225,048	222,220
11 Coal Transformation	-24,346	20,327	-	-
12 Other Transformation	-	-	-	-754
13 Loss & Own Use	-595	-585	-2,816	-12,462
14 Discrepancy	0	2	0	0
15 Total Final Energy Consumption	8,241	11,622	59	102,822
16 Industry Sector	2,866	11,613	5	33,359
17 Transport Sector	-	-	12	57,219
18 Other Sector	5,375	9	42	12,244
18.1 Agriculture	133	1	8	4,194
18.2 Residential & Commercial	5,240	8	34	7,578
18.3 Other	3	-	-	471

Singapore, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	-	-
2 Import	-	5	52,745	54,414
3 Export	-	-	-	-58,260
4 International Marine Bunkers	-	-	-	-31,002
5 Stock Change	-	-	-	-
6 Total Primary Energy Supply	-	5	52,745	-34,848
7 Public Electricity	-	-	-	-1,212
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-5	-	-128
10 Petroleum Refineries	-	-	-52,745	49,008
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-736
14 Discrepancy	-	-	-	-0
15 Total Final Energy Consumption	-	-	-	12,084
16 Industry Sector	-	-	-	6,760
17 Transport Sector	-	-	-	5,075
18 Other Sector	-	-	-	250
18.1 Agriculture	-	-	-	-
18.2 Residential & Commercial	-	-	-	-
18.3 Other	-	-	-	250

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
525,756	15,074	40,791	399	7,382	-	-	1,210,785
5,815	-	-	-	-	440	-	22,826
-163,852	-	-	-	-	-1,800	-	-554,735
-	-	-	-	-	-	-	-
-9,093	-	-	-	102	-	-	-12,670
358,625	15,074	40,791	399	7,484	-1,360	-	666,206
-192,545	-14,972	-40,791	-399	-	81,275	53,214	-175,215
-17,119	-102	-	-	-4,335	4,364	100,334	45,748
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-2,828
-	-	-	-	-	-	-	-4,019
-1,648	-	-	-	-379	-	-	-2,781
-16,649	-	-	-	-342	-25,678	-30,886	-90,014
0	-	-	-	0	-0	-	2
130,665	-	-	-	2,428	58,600	122,661	437,099
53,286	-	-	-	363	30,406	47,219	179,118
33,560	-	-	-	-	7,385	-	98,176
43,818	-	-	-	2,065	20,809	75,443	159,804
487	-	-	-	240	1,442	3,118	9,623
43,331	-	-	-	1,824	19,343	72,313	149,671
-	-	-	-	1	24	12	510

Energy Balances

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
-	-	-	-	295	-	-	295
5,649	-	-	-	-	-	-	112,813
-	-	-	-	-	-	-	-58,260
-	-	-	-	-	-	-	-31,002
-	-	-	-	-	-	-	-
5,649	-	-	-	295	-	-	23,845
-5,649	-	-	-	-295	3,392	-	-3,764
-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-25
-	-	-	-	-	-	-	-3,736
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-303	-	-1,039
-0	-	-	-	-	-31	-	-31
108	-	-	-	-	3,058	-	15,251
46	-	-	-	-	1,294	-	8,100
-	-	-	-	-	-	-	5,075
62	-	-	-	-	1,765	-	2,076
-	-	-	-	-	4	-	4
62	-	-	-	-	1,761	-	1,823
-	-	-	-	-	-	-	250

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Chinese Taipei, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	-	-	21	-
2 Import	40,872	225	52,199	11,173
3 Export	-	-	-	-14,937
4 International Marine Bunkers	-	-	-	-2,330
5 Stock Change	-28	-	-293	-725
6 Total Primary Energy Supply	40,844	225	51,927	-6,818
7 Public Electricity	-22,379	-	-	-3,188
8 Autoproducers of Electricity	-6,739	-532	-	-1,371
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-52,244	53,491
11 Coal Transformation	-4,225	2,447	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-2,629
14 Discrepancy	-2,258	-129	316	-3,023
15 Total Final Energy Consumption	5,244	2,010	-	38,798
16 Industry Sector	5,244	2,010	-	19,635
17 Transport Sector	-	-	-	14,680
18 Other Sector	-	-	-	4,483
18.1 Agriculture	-	-	-	4
18.2 Residential & Commercial	-	-	-	2,234
18.3 Other	-	-	-	2,245

Thailand, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	4,750	-	10,283	2,453
2 Import	4,005	3,092	41,773	1,382
3 Export	-	-	-3,349	-6,836
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-	-	2,414	-490
6 Total Primary Energy Supply	8,755	3,092	51,122	-3,491
7 Public Electricity	-4,816	-	-	-1,938
8 Autoproducers of Electricity	-	-	-	-8
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-48,094	37,439
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-254
13 Loss & Own Use	-	-	-	-
14 Discrepancy	769	-231	-227	-98
15 Total Final Energy Consumption	4,709	2,861	2,801	31,650
16 Industry Sector	4,709	2,861	2,801	3,449
17 Transport Sector	-	-	-	22,895
18 Other Sector	-	-	-	5,306
18.1 Agriculture	-	-	-	3,290
18.2 Residential & Commercial	-	-	-	2,016
18.3 Other	-	-	-	-

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
412	685	10,390	108	1,773	-	-	13,389
10,673	-	-	-	-	-	-	115,142
-	-	-	-	-	-	-	-14,537
-	-	-	-	-	-	-	-2,330
-128	-	-	-	-	-	-	-1,173
10,957	685	10,390	108	1,773	-	-	110,091
-7,574	-685	-10,390	-15	-	16,777	-	-27,455
-163	-	-	-0	-1,773	3,465	-	-7,114
-751	-	-	-	-	-	-	-751
-	-	-	-	-	-	-	1,248
-	-	-	-	-	-	-	-1,778
-	-	-	-	-	-	-	-
-304	-	-	-	-	-2,946	-	-5,879
-155	-	-	-	-	-0	-	-5,248
2,010	-	-	92	-	17,296	-	65,449
900	-	-	-	-	9,327	-	37,116
-	-	-	-	-	88	-	14,768
1,110	-	-	92	-	7,880	-	13,565
-	-	-	-	-	133	-	137
1,110	-	-	92	-	7,656	-	11,093
-	-	-	-	-	91	-	2,336

Unit: ktoe							
Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
14,144	699	-	2	18,053	-	-	50,383
7,952	-	-	-	23	444	-	58,672
-	-	-	-	-3	-65	-	-10,253
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	1,924
22,097	699	-	2	18,073	379	-	100,727
-17,784	-699	-	-2	-	10,751	-	-14,488
-2,162	-	-	-0	-1,207	1,181	-	-2,195
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-10,655
-	-	-	-	-	-	-	-
-	-	-	-	-5,049	-	-	-5,303
-	-	-	-	-	-1,360	-	-1,360
-0	-	-	-	7	-0	-	220
2,151	-	-	-	11,823	10,951	-	66,946
2,071	-	-	-	6,352	5,061	-	27,303
80	-	-	-	-	5	-	22,980
-	-	-	-	5,471	5,886	-	16,663
-	-	-	-	-	21	-	3,310
-	-	-	-	5,471	5,808	-	13,296
-	-	-	-	-	57	-	57

United States of America, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	576,759	-	317,991	-
2 Import	21,433	2,421	604,626	112,803
3 Export	-27,937	-962	-5,613	-59,058
4 International Marine Bunkers	-	-	-	-27,915
5 Stock Change	-20,710	-42	1,014	-6,083
6 Total Primary Energy Supply	549,545	1,417	918,018	19,746
7 Public Electricity	-431,431	-60,205	-	-15,063
8 Autoproducers of Electricity	-4,712	-1,394	-	-1,107
9 Gas Processing	-2,001	-	-	-
10 Petroleum Refineries	-	-	-858,256	883,715
11 Coal Transformation	-76,118	67,315	-	-
12 Other Transformation	-	-	10,042	-
13 Loss & Own Use	-181	-1,967	-	-53,027
14 Discrepancy	-12,395	-1,662	-21,976	6,997
15 Total Final Energy Consumption	22,707	3,504	-	882,709
16 Industry Sector	21,377	3,504	-	181,834
17 Transport Sector	-	-	-	643,517
18 Other Sector	1,330	-	-	57,358
18.1 Agriculture	22	-	-	17,634
18.2 Residential & Commercial	1,308	-	-	39,724
18.3 Other	-	-	-	-

Viet Nam, 2006

	Coal	Coal Products	Crude Oil, NGL	Petroleum Products
1 Indigenous Production	21,790	-	17,510	607
2 Import	64	-	-	12,170
3 Export	-11,936	-	-17,510	-
4 International Marine Bunkers	-	-	-	-
5 Stock Change	-872	-	-	-
6 Total Primary Energy Supply	9,045	-	-	12,777
7 Public Electricity	-3,517	-	-	-483
8 Autoproducers of Electricity	-	-	-	-
9 Gas Processing	-	-	-	-
10 Petroleum Refineries	-	-	-	-
11 Coal Transformation	-	-	-	-
12 Other Transformation	-	-	-	-
13 Loss & Own Use	-	-	-	-
14 Discrepancy	0	-	-	0
15 Total Final Energy Consumption	5,528	-	-	12,294
16 Industry Sector	4,176	-	-	2,628
17 Transport Sector	-	-	-	7,560
18 Other Sector	1,352	-	-	2,106
18.1 Agriculture	22	-	-	511
18.2 Residential & Commercial	1,331	-	-	1,596
18.3 Other	-	-	-	-

Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
431,050	27,321	212,700	18,929	88,356	-	-	1,673,107
97,606	-	-	-	1,400	3,671	-	843,960
-16,880	-	-	-	-332	-2,087	-	-112,870
-	-	-	-	-	-	-	-27,916
-10,133	-	-	-	-9,615	-	-	-45,568
501,643	27,321	212,700	18,929	79,809	1,584	-	2,330,714
-145,009	-27,060	-212,700	-16,725	-12,867	355,839	5,106	-560,116
-18,031	-261	-	-	-11,899	13,970	-	-23,434
1,267	-	-	-	-	-	-	-734
-	-	-	-	-	-	-	25,459
-	-	-	-	-	-	-	-8,803
-	-	-	-	-10,689	-	-	-647
-42,469	-	-	-	-	-54,410	-2,316	-154,369
1,900	-0	-	-	9,358	3,131	0	-14,647
299,302	-	-	2,203	53,713	320,114	2,790	1,587,042
118,274	-	-	111	40,243	78,837	2,205	446,384
14,209	-	-	-	-	633	-	658,358
166,818	-	-	2,092	13,470	240,645	586	482,300
-	-	-	-	247	-	-	17,904
166,818	-	-	2,092	13,224	228,009	586	451,761
-	-	-	-	-	12,636	-	12,636

Energy Balances

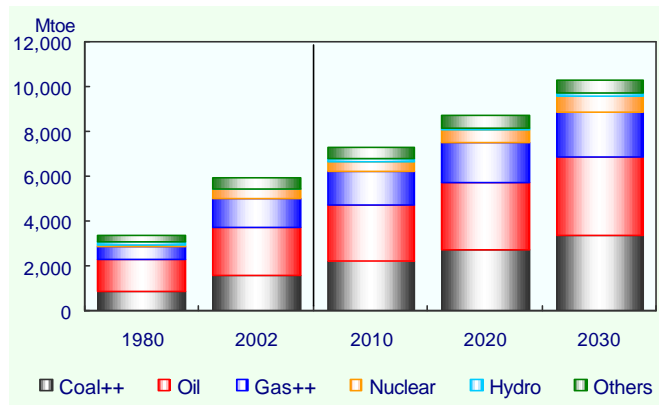
Unit: ktoe

Natural Gas, LNG	Hydro	Nuclear	Geothermal, Solar, etc.	Others	Electricity	Heat	Total
6,638	1,755	-	-	14,860	-	-	63,159
-	-	-	-	-	83	-	12,317
-1,530	-	-	-	-	-	-	-30,976
-	-	-	-	-	-	-	-872
5,108	1,755	-	-	14,860	83	-	43,628
-4,872	-1,755	-	-	-18	5,285	-	-5,360
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-655	-	-655
90	-	-	-	-	-83	-	7
326	-	-	-	14,841	4,630	-	37,620
326	-	-	-	2,844	2,312	-	12,286
-	-	-	-	-	-	-	7,560
-	-	-	-	11,998	2,318	-	17,774
-	-	-	-	-	49	-	581
-	-	-	-	11,998	2,270	-	17,193
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Primary Energy Supply Outlook by Energy

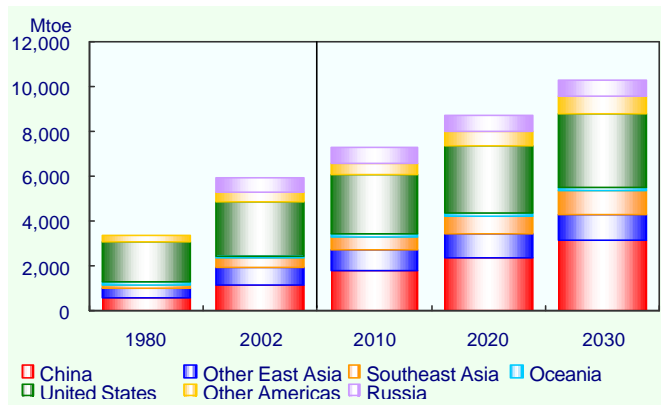


	1980	2002	2010	2020	Mtoe 2030
Coal++	822	1,570	2,211	2,716	3,366
Oil	1,445	2,165	2,523	2,982	3,488
Gas++	595	1,255	1,469	1,783	2,050
Nuclear	104	382	442	540	643
Hydro	65	114	132	159	197
Others	332	454	489	526	589
Total	3,363	5,939	7,266	8,706	10,332

	1999	2005	2010	2015	Share (%) 2020
Coal++	24.4	26.4	30.4	31.2	32.6
Oil	43.0	36.4	34.7	34.2	33.8
Gas++	17.7	21.1	20.2	20.5	19.8
Nuclear	3.1	6.4	6.1	6.2	6.2
Hydro	1.9	1.9	1.8	1.8	1.9
Others	9.9	7.6	6.7	6.0	5.7

By Asia Pacific Energy Research Centre, September 2006.

Primary Energy Supply Outlook by Region



	Mtoe				
	1980	2002	2010	2020	2030
China	599	1,119	1,777	2,345	3,096
Other East Asia	422	812	921	1,057	1,152
Southeast Asia	140	408	575	802	1,066
Oceania	80	133	151	181	212
United States	1,812	2,394	2,659	2,985	3,318
Other Americas	311	438	512	613	720
Russia	0	635	671	723	769
APEC 21	3,363	5,939	7,265	8,706	10,333

	Share (%)				
	1980	2002	2010	2020	2030
China	17.8	18.8	24.5	26.9	30.0
Other East Asia	12.5	13.7	12.7	12.1	11.1
Southeast Asia	4.2	6.9	7.9	9.2	10.3
Oceania	2.4	2.2	2.1	2.1	2.1
United States	53.9	40.3	36.6	34.3	32.1
Other Americas	9.3	7.4	7.0	7.0	7.0
Russia	-	10.7	9.2	8.3	7.4

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.

Energy Outlook

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	2006	1980	1990	2006	1980	1990
APEC 19	1,787	2,063	2,433	9,634	13,872	22,722	9,836	14,406
APEC 21	1,980	2,278	2,659	-	14,273	23,144	9,836	16,119
East Asia	1,159	1,328	1,518	3,240	5,121	8,450	2,684	4,578
China	981.2	1,135.2	1,311.8	182.9	444.6	2,095.9	457.0	1,110.7
Hong Kong, China	5.1	5.7	6.9	58.5	108.7	221.1	60.9	113.1
Japan	116.8	123.5	127.8	2,800.6	4,122.3	5,087.8	1,931.1	2,842.4
Republic of Korea	38.1	42.9	48.4	122.8	283.6	671.3	175.0	404.1
Chinese Taipei	17.8	20.4	22.8	75.1	161.8	373.6	60.4	108.0
Southeast Asia	260	315	404	197	340	731	480	837
Brunei Darussalam	0.2	0.3	0.4	-	4.8	7.0	5.8	4.8
Indonesia	148.3	178.2	223.0	58.8	109.2	219.3	177.7	329.7
Malaysia	13.8	18.1	26.1	25.4	45.5	118.4	60.4	108.0
Philippines	48.1	61.2	86.3	47.6	56.2	99.6	111.7	132.0
Singapore	2.4	3.0	4.5	21.8	44.7	121.6	30.9	63.3
Thailand	46.8	54.3	63.4	37.3	79.4	165.0	93.6	199.3
Oceania	21	25	31	245	323	549	328	432
Australia	14.7	17.1	20.7	210.0	281.0	481.6	275.9	369.1
New Zealand	3.1	3.4	4.2	33.1	39.8	63.6	47.7	57.5
Papua New Guinea	3.2	4.1	6.2	1.9	2.1	3.8	4.8	5.5
North America	252	277	332	5,540	7,599	12,160	5,630	7,718
Canada	24.6	27.8	32.6	411.9	543.6	845.4	502.0	662.5
United States of America	227.2	249.6	299.4	5,128.0	7,055.0	11,315.0	5,128.0	7,055.0
Latin America	96.1	118.2	148.2	412.6	489.9	832.3	713.1	841.0
Chile	11.2	13.2	16.4	27.9	40.4	96.2	53.5	77.4
Mexico	67.6	83.2	104.2	345.6	413.3	665.6	566.3	677.3
Peru	17.3	21.8	27.6	39.1	36.1	70.5	93.4	86.2
Russia	139.0	148.3	142.5	-	385.9	373.3	-	1,660.7
Viet Nam	53.7	66.2	84.1	-	15.0	48.4	-	53.0

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

	Energy Indigenous Production			Net Import			Total Primary Energy Supply				
	Mtoe			Mtoe			Mtoe				
	2006	1980	1990	2006	1980	1990	2006	1980	1990	2006	
	26,506	2,580	3,333	4,743	500	556	1,257	3,052	3,769	5,859	
	28,283	-	-	6,002	-	-	706	-	-	6,554	
	10,213	500	812	1,699	340	451	888	842	1,237	2,553	
	5,236.2	436.3	705.8	1,536.0	-19.6	-30.5	145.4	421.0	654.0	1,681.0	CHN
	230.2	0.0	0.0	0.1	6.0	10.8	25.2	5.3	10.6	17.4	HKG
	3,508.1	48.7	72.6	103.7	303.2	361.6	430.4	352.6	432.5	524.7	JPN
	956.7	9.2	22.6	46.0	29.6	70.1	186.6	38.3	93.4	219.9	KOR
	281.4	5.7	10.7	13.4	20.3	39.4	100.2	25.1	46.0	110.1	TWN
	1,771	132	210	395	-54	-51	-26	71	145	340	
	7.0	20.7	15.3	23.0	-17.4	-12.9	-19.1	3.2	2.1	4.0	BRN
	662.2	92.1	119.4	228.8	-60.7	-65.9	-98.2	31.1	53.3	130.5	IDN
	281.4	16.1	46.5	87.6	-5.0	-25.4	-28.4	10.6	21.0	59.3	MYS
	233.8	2.7	17.2	21.4	10.4	11.9	17.0	12.4	28.7	38.2	PHL
	172.3	0.0	0.0	0.3	6.7	22.9	54.6	2.0	9.9	23.8	SGP
	414.4	0.5	11.9	33.5	12.0	18.2	48.4	12.1	29.9	83.9	THA
	734	92	175	285	-14	-66	-142	79	103	143	
	632.5	86.1	158.2	267.9	-18.3	-64.7	-145.8	69.3	88.2	122.6	AUS
	91.8	6.0	12.7	14.0	4.0	2.1	4.7	9.5	14.4	18.5	NZL
	9.7	0.0	4.6	3.2	0.6	-3.7	-1.3	0.6	0.9	1.6	PNG
	12,345	1,689	1,924	2,086	278	285	589	1,943	2,138	2,601	
	1,030.3	207.7	273.8	412.4	-11.0	-59.4	-142.0	194.2	209.4	270.3	CAN
	11,315	1,481.4	1,650.7	1,673.1	288.6	344.1	731.1	1,748.6	1,928.5	2,330.7	USA
	1,443.0	167.2	210.7	278.8	-49.9	-63.1	-52.1	116.3	146.3	222.0	
	184.0	7.0	7.8	9.7	4.1	7.0	22.4	11.0	14.3	30.4	CHL
	1,090.8	149.0	194.8	259.8	-51.0	-69.5	-77.9	97.2	124.5	180.0	MEX
	168.2	11.1	8.2	9.3	-3.0	-0.6	3.5	8.2	7.5	11.5	PER
	1,606.4	-	-	1,210.8	-	-	-531.9	-	-	666.2	RUS
	170.8	-	5.8	48.3	-	-0.2	-18.7	-	5.4	28.8	VNM

Energy Indicators

Energy Indicators

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2006	1980	1990	2006	1980	1990
APEC 19	2,405	2,631	3,792	3,507	5,006	9,119	1.71	1.83
APEC 21	-	-	4,252	-	-	9,855	-	-
East Asia	627.0	896.6	1,559.0	879.9	1,543.4	3,973.3	0.73	0.93
China	318.2	489.9	976.3	287.4	606.4	2,318.8	0.43	0.58
Hong Kong, China	3.5	6.7	10.6	10.9	23.8	40.3	1.05	1.87
Japan	252.7	305.1	360.9	511.9	744.8	1,041.7	3.02	3.50
Republic of Korea	35.7	65.1	145.7	32.7	94.4	371.4	1.01	2.18
Chinese Taipei	17.0	29.8	65.4	36.9	74.0	201.1	1.41	2.26
Southeast Asia	48.1	94.9	207.4	50.5	125.2	408.7	0.28	0.46
Brunei Darussalam	0.2	0.4	0.8	0.3	1.0	3.0	16.81	8.06
Indonesia	21.1	34.0	74.9	7.3	30.5	112.6	0.21	0.30
Malaysia	6.4	13.1	38.9	8.7	19.9	84.5	0.77	1.16
Philippines	9.0	19.8	22.4	15.0	21.2	45.7	0.26	0.47
Singapore	2.1	5.3	15.3	6.1	14.2	35.6	0.82	3.25
Thailand	9.3	22.2	55.1	13.1	38.3	127.3	0.26	0.55
Oceania	59.3	68.0	92.1	101.6	158.7	250.9	3.78	4.20
Australia	51.5	58.0	77.9	81.0	129.2	209.6	4.72	5.17
New Zealand	7.3	9.4	13.2	19.4	27.8	38.4	3.05	4.19
Papua New Guinea	0.4	0.6	1.0	1.2	1.7	2.8	0.20	0.21
North America	1,591.0	1,465.6	1,788.2	2,404.6	3,051.6	4,221.2	7.72	7.71
Canada	156.7	160.0	201.2	307.4	418.0	499.0	7.90	7.54
United States of America	1,434.3	1,305.6	1,587.0	2,097.2	2,633.6	3,722.3	7.70	7.73
Latin America	79.6	105.6	145.8	70.7	127.4	265.2	1.21	1.24
Chile	8.3	11.0	22.7	9.7	15.4	50.6	0.98	1.08
Mexico	65.1	88.4	113.6	52.3	100.2	190.8	1.44	1.50
Peru	6.2	6.2	9.5	8.7	11.8	23.7	0.47	0.35
Russia	-	-	437.1	-	-	681.4	-	-
Viet Nam	-	4.2	22.8	-	6.2	53.8	-	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			
	1980	1990	2006	1980	1990	2006	1980	1990	2006	
	2.41	0.3	271.7	257.8	307.8	258.4	216.9	1.3	1.3	1.6
	2.46	-	-	283.2	-	-	227.8	-	-	1.6
	1.68	260.0	241.5	302.2	304.4	260.0	239.2	0.5	0.7	1.0
	1.28	2,301.3	1,471.0	802.1	921.2	588.8	321.0	0.3	0.4	0.7 CHN
	2.54	90.5	98.0	78.6	87.0	94.1	75.5	0.7	1.2	1.5 HKG
	4.11	125.9	104.9	103.1	182.6	152.2	149.6	2.2	2.5	2.8 JPN
	4.54	312.0	329.3	327.6	219.0	231.1	229.9	0.9	1.5	3.0 KOR
	4.83	334.0	284.2	294.6	415.2	425.8	391.3	1.0	1.5	2.9 TWN
	0.84	-	426.3	464.8	148.7	173.0	191.8	0.2	0.3	0.5
	10.57	-	430.7	577.6	561.9	430.7	577.6	1.2	1.6	2.1 BRN
	0.59	528.2	487.9	595.2	174.9	161.5	197.1	0.1	0.2	0.3 IDN
	2.27	414.9	461.3	500.8	174.6	194.2	210.8	0.5	0.7	1.5 MYS
	0.44	261.5	509.6	383.3	111.4	217.1	163.3	0.2	0.3	0.3 PHL
	5.32	90.5	221.6	196.1	63.9	156.4	138.4	0.9	1.7	3.4 SGP
	1.32	324.7	377.3	508.3	129.3	150.2	202.4	0.2	0.4	0.9 THA
	4.59	324.2	320.4	260.0	241.8	239.5	194.4	2.8	2.8	3.0
	5.92	329.9	313.8	254.6	251.1	238.9	193.8	3.5	3.4	3.8 AUS
	4.42	287.4	362.7	290.8	199.1	251.4	201.5	2.3	2.7	3.2 NZL
	0.26	334.2	404.3	431.9	130.9	158.3	169.1	0.1	0.1	0.2 PNG
	7.83	350.7	281.4	213.9	345.1	277.0	210.7	6.3	5.3	5.4
	8.28	471.5	385.2	319.7	386.9	316.1	262.3	6.4	5.8	6.2 CAN
	7.78	341.0	273.4	206.0	341.0	273.4	206.0	6.3	5.2	5.3 USA
	1.50	281.9	298.7	266.7	163.1	174.0	153.8	0.8	0.9	1.0
	1.85	392.6	352.5	316.5	205.1	184.2	165.4	0.7	0.8	1.4 CHL
	1.73	281.2	301.3	270.5	171.6	183.9	165.1	1.0	1.1	1.1 MEX
	0.42	209.2	208.7	163.2	87.7	87.4	68.4	0.4	0.3	0.3 PER
	4.68	-	-	1,784.6	-	-	414.7	-	-	3.1 RUS
	0.34	-	0.4	594.1	-	0.1	168.4	-	0.1	0.3 VNM

Energy Indicators

Energy Indicators

	Energy Related CO ₂ Emission			CO ₂ Emission per Capita		
	Mt-C			t-C / Person		
	1980	1990	2006	1980	1990	2006
APEC 19	-	-	4,537	-	-	1.865
APEC 21	-	-	4,986	-	-	1.875
East Asia	661.2	946.2	2,179.2	0.570	0.713	1.436
China	354.4	554.2	1,655.6	0.361	0.488	1.262
Hong Kong, China	4.0	9.2	10.4	0.789	1.616	1.515
Japan	251.5	287.2	321.3	2.154	2.325	2.515
Republic of Korea	32.8	65.4	119.5	0.861	1.525	2.468
Chinese Taipei	18.4	30.2	72.3	1.034	1.482	3.175
Southeast Asia	-	-	354.3	-	-	0.878
Brunei Darussalam	0.6	1.6	2.2	3.336	6.214	5.765
Indonesia	17.3	39.3	90.2	0.117	0.221	0.405
Malaysia	8.1	15.5	40.4	0.586	0.855	1.548
Philippines	8.2	10.2	17.6	0.171	0.167	0.203
Singapore	1.7	8.3	15.2	0.688	2.714	3.393
Thailand	-	-	188.7	-	-	2.974
Oceania	-	-	108.3	-	-	3.483
Australia	-	69.3	98.1	-	4.062	4.740
New Zealand	-	6.1	8.9	-	1.762	2.121
Papua New Guinea	-	-	1.3	-	-	0.205
North America	1,409.6	1,487.9	1,756.2	5.598	5.364	5.289
Canada	119.1	122.8	153.0	4.844	4.420	4.688
United States of America	1,290.5	1,365.1	1,603.2	5.679	5.469	5.355
Latin America	75.2	91.4	138.7	0.783	0.774	0.936
Chile	6.4	9.3	18.8	0.576	0.702	1.146
Mexico	63.0	76.8	112.0	0.932	0.923	1.075
Peru	5.7	5.4	7.9	0.332	0.248	0.286
Russia	-	-	425.6	-	-	2.987
Viet Nam	-	4,659	23.3	-	70.378	0.278

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	2006	1980	1990	2006	1980	1990	2006	
-	-	199.7	-	-	168.4	-	-	0.774	
-	-	215.4	-	-	173.7	-	-	0.761	
204.1	184.8	257.9	239.4	200.1	206.3	0.785	0.765	0.854	
1,937.5	1,246.6	789.9	775.5	499.0	316.2	0.842	0.847	0.985	CHN
68.4	84.9	47.0	65.7	81.5	45.1	0.755	0.866	0.598	HKG
89.8	69.7	63.1	130.2	101.0	91.6	0.713	0.664	0.612	JPN
267.1	230.6	178.0	187.4	161.8	124.9	0.856	0.700	0.543	KOR
245.0	186.4	193.6	304.6	279.4	257.1	0.734	0.656	0.657	TWN
-	-	484.7	-	-	200.1	-	-	1.043	
-	332.1	315.0	111.5	332.1	315.0	0.198	0.771	0.545	BRN
294.3	360.4	411.6	97.4	119.3	136.3	0.557	0.739	0.691	IDN
317.0	340.5	341.3	133.4	143.3	143.7	0.764	0.738	0.681	MYS
172.3	182.3	176.3	73.4	77.6	75.1	0.659	0.358	0.460	PHL
76.0	185.2	125.1	53.7	130.7	88.3	0.840	0.836	0.638	SGP
-	-	1,143.4	-	-	455.3	-	-	2.250	THA
-	-	197.2	-	-	147.5	-	-	0.759	
-	246.7	203.8	-	187.8	155.2	-	0.786	0.801	AUS
-	152.6	139.5	-	105.7	96.7	-	0.421	0.480	NZL
-	-	334.6	-	-	131.0	-	-	0.775	PNG
254.4	195.8	144.4	250.4	192.8	142.3	0.726	0.696	0.675	
289.2	225.9	181.0	237.3	185.4	148.6	0.613	0.587	0.566	CAN
251.6	193.5	141.7	251.6	193.5	141.7	0.738	0.708	0.688	USA
182.2	186.7	166.7	105.4	108.7	96.1	0.646	0.625	0.625	
230.3	228.8	195.8	120.3	119.5	102.3	0.587	0.649	0.618	CHL
182.3	185.8	168.3	111.2	113.4	102.7	0.648	0.617	0.622	MEX
146.9	149.3	112.0	61.6	62.6	46.9	0.702	0.715	0.686	PER
-	-	1,140.1	-	-	264.9	-	-	0.639	RUS
-	310.2	482.2	-	87.9	136.7	-	53.4	0.812	VNM

Energy Indicators

=66x48+231+0

=66x48+231+162

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, etc.

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 sectors are included.