

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	2004	1980	1990	2004	1980	1990
APEC 19	1,787	2,063	2,397	9,624	13,855	21,253	10,140	15,215
APEC 21	1,980	2,277	2,623	-	14,256	21,623	10,140	16,823
East Asia	1,159	1,328	1,502	3,242	5,122	7,773	3,025	5,411
China	981.2	1,135.2	1,296.2	182.9	444.6	1,715.0	816.7	1,984.8
Hong Kong, China	5.1	5.7	6.9	57.2	106.2	188.9	59.4	110.5
Japan	116.8	123.5	127.8	2,806.1	4,130.4	4,932.9	1,966.0	2,893.8
Republic of Korea	38.1	42.9	48.1	122.8	283.6	613.1	182.8	422.1
Chinese Taipei	17.8	20.4	22.6	73.5	157.5	323.5	-	-
Southeast Asia	259	315	392	195	338	650	617	1,043
Brunei Darussalam	0.2	0.3	0.4	4.4	3.8	4.8	4.4	3.8
Indonesia	148.3	178.2	217.6	58.8	109.2	197.2	222.6	413.1
Malaysia	13.8	17.8	24.9	25.4	45.5	106.8	58.7	104.9
Philippines	48.1	61.1	81.6	47.6	56.2	88.5	191.3	226.2
Singapore	2.4	3.0	4.2	21.5	43.9	102.5	22.3	45.5
Thailand	46.3	54.6	63.7	37.3	79.4	150.1	117.1	249.4
Oceania	21	25	30	238	315	509	310	409
Australia	14.7	17.1	20.1	202.9	273.2	444.1	255.8	344.4
New Zealand	3.1	3.4	4.1	32.7	39.4	61.0	47.7	57.5
Papua New Guinea	3.2	4.1	5.8	1.9	2.1	3.5	6.7	7.6
North America	252	277	326	5,536	7,591	11,553	5,518	7,561
Canada	24.6	27.8	32.0	408.2	535.6	789.4	480.8	630.9
United States of America	227.2	249.6	293.7	5,128.0	7,055.0	10,764	5,037.5	6,930.5
Latin America	96.1	118.2	147.5	412.5	489.8	767.7	669.8	789.7
Chile	11.2	13.2	16.1	27.9	40.4	87.4	52.2	75.5
Mexico	67.6	83.2	103.8	345.6	413.3	619.5	527.5	630.9
Peru	17.3	21.8	27.6	39.0	36.0	60.9	90.2	83.3
Russia	139.0	148.3	143.8	-	385.9	328.8	-	1,532.6
Viet Nam	53.7	66.2	82.2	-	15.0	41.2	-	76.2

Note: Chinese Taipei is not included in the Real GDP (2000 Price and 2000 PPP) of APEC 19, APEC 21 and East Asia. APEC 19 is not included Russia and Viet Nam.

	Energy Indigenous Production			Net Import			Total Primary Energy Supply			
	Mtoe			Mtoe			Mtoe			
2004	1980	1990	2004	1980	1990	2004	1980	1990	2004	
27,567	2,558	3,271	4,296	501	555	1,203	3,031	3,709	5,409	
29,082	2,558	3,277	5,497	501	555	675	3,031	3,714	6,075	
12,221	478	776	1,347	341	453	834	821	1,203	2,142	
7,656.2	414.1	670.5	1,198.1	-18.6	-29.0	100.0	399.6	621.2	1,288.2	CHN
196.4	0.0	0.0	0.1	6.0	10.8	25.0	5.3	10.6	16.2	HKG
3,456.1	48.7	72.6	97.0	303.2	361.6	429.3	352.6	432.5	518.7	JPN
912.8	9.2	21.9	38.8	29.6	70.1	184.1	38.3	92.6	214.0	KOR
-	5.7	10.7	13.1	20.3	39.4	96.1	25.1	46.0	104.3	TWN
1,931	132	199	359	-54	-52	-10	71	133	329	
4.8	20.7	15.3	21.9	-17.4	-12.9	-19.8	3.2	2.1	2.0	BRN
746.3	92.1	119.4	201.6	-60.7	-65.9	-72.7	31.1	53.3	128.9	IDN
246.3	16.1	46.5	89.5	-5.0	-25.4	-29.2	10.6	21.0	60.3	MYS
356.1	2.7	6.0	13.4	10.4	11.4	19.1	12.4	17.3	32.7	PHL
106.3	0.0	0.0	0.0	6.7	22.9	43.2	2.0	9.9	22.7	SGP
471.5	0.5	11.9	32.4	12.0	18.2	49.3	12.1	29.9	82.5	THA
661	92	174	278	-14	-66	-139	79	103	136	
559.8	86.1	157.5	261.8	-18.3	-64.7	-143.8	69.3	87.5	115.8	AUS
89.0	6.0	12.4	13.6	4.0	2.1	5.3	9.5	14.1	18.3	NZL
12.4	0.0	4.6	2.1	0.6	-3.7	-0.5	0.6	0.9	1.6	PNG
11,504	1,689	1,911	2,041	278	284	580	1,943	2,124	2,597	
929.8	207.7	273.7	398.5	-11.0	-59.4	-134.1	194.2	209.4	270.0	CAN
10,574	1,481.4	1,637.1	1,642.3	288.6	343.5	714.3	1,748.6	1,914.3	2,326.8	USA
1,249.3	167.2	211.2	271.7	-49.9	-63.7	-63.0	116.3	146.0	205.7	
163.1	7.0	7.8	10.7	4.1	7.0	19.4	11.0	14.3	29.3	CHL
945.5	149.0	195.2	253.9	-51.0	-70.1	-86.1	97.2	124.2	165.5	MEX
140.6	11.1	8.2	7.1	-3.0	-0.6	3.8	8.2	7.5	11.0	PER
1,305.9	0.0	0.0	1,158.5	0.0	0.0	-511.1	0.0	0.0	641.4	RUS
209.2	0.0	5.8	42.4	0.0	-0.2	-16.2	0.0	5.4	25.1	VNM

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2004	1980	1990	2004	1980	1990
APEC 19	2,388	2,601	3,682	3,492	4,971	8,284	1.70	1.80
APEC 21	2,388	2,605	4,127	3,492	4,977	8,970	1.53	1.63
East Asia	610.2	874.9	1,460.2	864.1	1,510.1	3,286.6	0.71	0.91
China	301.4	469.3	884.8	271.6	573.1	1,717.3	0.41	0.55
Hong Kong, China	3.5	6.7	10.3	10.9	23.8	39.2	1.05	1.87
Japan	252.7	305.1	356.8	511.9	744.8	1,005.1	3.02	3.50
Republic of Korea	35.7	64.0	144.2	32.7	94.4	337.9	1.01	2.16
Chinese Taipei	17.0	29.8	64.1	36.9	74.0	187.0	1.41	2.26
Southeast Asia	48.1	85.3	201.3	50.5	123.2	378.1	0.28	0.42
Brunei Darussalam	0.2	0.4	0.8	0.3	1.0	3.1	16.81	8.06
Indonesia	21.1	34.0	79.1	7.3	30.5	106.0	0.21	0.30
Malaysia	6.4	13.1	36.5	8.7	19.9	77.2	0.77	1.18
Philippines	9.0	10.3	17.9	15.0	19.3	44.1	0.26	0.28
Singapore	2.1	5.3	13.2	6.1	14.2	33.2	0.82	3.25
Thailand	9.3	22.2	53.7	13.1	38.3	114.6	0.26	0.55
Oceania	59.3	68.2	89.1	101.6	158.7	237.4	3.77	4.16
Australia	51.5	58.1	74.0	81.0	129.2	198.8	4.72	5.13
New Zealand	7.3	9.6	13.9	19.4	27.8	35.3	3.05	4.09
Papua New Guinea	0.4	0.6	1.1	1.2	1.7	3.4	0.19	0.21
North America	1,591.0	1,466.8	1,795.2	2,404.6	3,051.6	4,143.0	7.72	7.66
Canada	156.7	159.9	201.4	307.4	418.0	503.0	7.90	7.53
United States of America	1,434.3	1,306.9	1,593.8	2,097.2	2,633.6	3,640.1	7.70	7.67
Latin America	79.6	105.7	136.2	70.7	127.4	239.1	1.21	1.24
Chile	8.3	11.0	21.7	9.7	15.4	47.6	0.98	1.08
Mexico	65.1	88.5	105.6	52.3	100.2	170.0	1.44	1.49
Peru	6.2	6.2	9.0	8.7	11.8	21.5	0.47	0.35
Russia	0.0	0.0	425.0	0.0	0.0	645.5	0.00	0.00
Viet Nam	0.0	4.2	20.3	0.0	6.2	40.0	0.00	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			
2004	1980	1990	2004	1980	1990	2004	1980	1990	2004		
2.26	314.9	267.7	254.5	296.4	240.7	192.4	1.3	1.3	1.5		
2.32	-	0.3	281.0	298.9	220.8	205.3	1.2	1.1	1.6		
1.43	253.2	234.9	275.5	263.1	213.8	166.7	0.5	0.7	1.0		
0.99	2,184.5	1,397.3	751.2	489.3	313.0	168.3	0.3	0.4	0.7	CHN	
2.36	92.6	100.2	85.9	89.0	96.3	82.6	0.7	1.2	1.5	HKG	
4.06	125.7	104.7	105.2	179.3	149.5	150.1	2.2	2.5	2.8	JPN	
4.45	312.0	326.7	349.1	209.6	219.5	234.5	0.9	1.5	3.0	KOR	
4.61	341.3	292.0	322.5	-	-	-	1.0	1.5	2.8	TWN	
0.84	365.9	395.0	506.4	115.8	128.0	170.4	0.2	0.3	0.5		
5.56	731.7	551.8	421.0	731.7	551.8	421.0	1.2	1.6	2.1	BRN	
0.59	528.2	487.9	653.5	139.5	128.9	172.6	0.1	0.2	0.4	IDN	
2.42	414.9	461.3	564.6	179.9	200.0	244.8	0.5	0.7	1.5	MYS	
0.40	261.5	308.0	369.3	65.0	76.6	91.8	0.2	0.2	0.2	PHL	
5.36	91.7	225.5	221.8	88.4	217.5	213.9	0.9	1.7	3.1	SGP	
1.29	324.7	377.3	549.6	103.3	120.1	174.9	0.2	0.4	0.8	THA	
4.53	334.3	325.6	266.7	256.0	250.3	205.2	2.8	2.8	3.0		
5.76	341.4	320.4	260.7	270.9	254.2	206.8	3.5	3.4	3.7	AUS	
4.51	290.4	357.8	299.9	199.1	245.4	205.7	2.3	2.8	3.4	NZL	
0.27	334.2	404.3	450.9	94.1	113.8	126.9	0.1	0.1	0.2	PNG	
7.97	350.9	279.8	224.8	352.1	280.9	225.7	6.3	5.3	5.5		
8.44	475.9	390.9	342.1	404.0	331.9	290.4	6.4	5.8	6.3	CAN	
7.92	341.0	271.3	216.2	347.1	276.2	220.0	6.3	5.2	5.4	USA	
1.39	281.9	298.0	268.0	173.7	184.9	164.7	0.8	0.9	0.9		
1.82	392.6	352.5	335.1	210.3	188.8	179.5	0.7	0.8	1.3	CHL	
1.59	281.2	300.4	267.2	184.2	196.8	175.0	1.0	1.1	1.0	MEX	
0.40	209.7	209.2	179.9	90.8	90.5	77.9	0.4	0.3	0.3	PER	
4.46	-	0.0	1,950.8	-	0.0	491.2	0.0	0.0	3.0	RUS	
0.31	-	0.4	609.6	-	0.1	120.2	0.0	0.1	0.2	VNM	

Note: Chinese Taipei is not included in the Total Primary Energy Supply per Real GDP (2000 PPP) of APEC 19, APEC 21 and East Asia.

	Energy Related CO ₂ Emission			CO ₂ Emission per Capita		
	Mt-C			t-C / Person		
	1980	1990	2004	1980	1990	2004
APEC 19	-	-	4,011	-	-	1.674
APEC 21	-	-	4,463	-	-	1.702
East Asia	661.2	946.6	1,791.7	0.570	0.713	1.193
China	354.4	554.2	1,259.3	0.361	0.488	0.972
Hong Kong, China	4.0	9.2	10.2	0.789	1.613	1.485
Japan	251.5	287.2	331.4	2.154	2.325	2.594
Republic of Korea	32.8	65.4	120.2	0.861	1.525	2.500
Chinese Taipei	18.4	30.6	70.6	1.035	1.504	3.120
Southeast Asia	-	-	217.9	-	-	0.555
Brunei Darussalam	0.6	1.6	1.5	3.336	6.214	3.973
Indonesia	17.3	39.3	92.7	0.117	0.221	0.426
Malaysia	8.1	15.5	40.9	0.586	0.868	1.642
Philippines	8.2	9.7	18.6	0.171	0.159	0.228
Singapore	1.7	8.3	13.4	0.688	2.714	3.150
Thailand	-	-	50.9	-	-	0.799
Oceania	-	-	105.5	-	-	3.524
Australia	-	69.2	96.0	-	4.057	4.772
New Zealand	-	6.1	8.3	-	1.768	2.038
Papua New Guinea	-	-	1.3	-	-	0.219
North America	1,415.8	1,490.5	1,771.5	5.622	5.373	5.440
Canada	119.1	123.2	159.1	4.844	4.434	4.976
United States of America	1,296.7	1,367.3	1,612.4	5.707	5.477	5.491
Latin America	75.2	91.4	124.8	0.783	0.774	0.846
Chile	6.4	9.3	17.5	0.576	0.702	1.085
Mexico	63.0	76.8	99.9	0.932	0.923	0.963
Peru	5.7	5.4	7.4	0.332	0.248	0.267
Russia	-	-	431.1	-	-	2.997
Viet Nam	-	4,659	20.6	-	70.378	0.251

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	2004	1980	1990	2004	1980	1990	2004	
-	-	188.7	-	-	143.0	-	-	0.742	
-	-	206.4	-	-	151.0	-	-	0.735	
203.9	184.8	230.5	212.5	169.3	140.8	0.805	0.787	0.837	
1,937.5	1,246.6	734.3	434.0	279.2	164.5	0.887	0.892	0.978	CHN
69.9	86.6	54.1	67.2	83.3	52.0	0.755	0.864	0.630	HKG
89.6	69.5	67.2	127.9	99.3	95.9	0.713	0.664	0.639	JPN
267.1	230.6	196.1	179.4	154.9	131.7	0.856	0.706	0.562	KOR
250.8	194.4	218.2	-	-	-	0.735	0.666	0.677	TWN
-	-	335.3	-	-	112.8	-	-	0.662	
145.2	425.4	300.8	145.2	425.4	300.8	0.198	0.771	0.715	BRN
294.3	360.4	470.0	77.8	95.2	124.2	0.557	0.739	0.719	IDN
317.0	340.5	382.7	137.4	147.6	165.9	0.764	0.738	0.678	MYS
172.3	173.0	210.5	42.8	43.0	52.3	0.659	0.562	0.570	PHL
77.0	188.5	130.4	74.3	181.8	125.7	0.840	0.836	0.588	SGP
-	-	339.1	-	-	107.9	-	-	0.617	THA
-	-	207.4	-	-	159.6	-	-	0.778	
-	253.4	216.1	-	201.0	171.4	-	0.791	0.829	AUS
-	154.6	135.6	-	106.0	93.0	-	0.432	0.452	NZL
-	-	362.0	-	-	101.9	-	-	0.803	PNG
255.7	196.4	153.3	256.6	197.1	154.0	0.729	0.702	0.682	
291.9	230.0	201.5	247.8	195.3	171.1	0.613	0.588	0.589	CAN
252.9	193.8	149.8	257.4	197.3	152.5	0.742	0.714	0.693	USA
182.2	186.7	162.6	112.2	115.8	99.9	0.646	0.626	0.607	
230.3	228.8	200.2	123.3	122.6	107.2	0.587	0.649	0.597	CHL
182.3	185.8	161.3	119.4	121.7	105.7	0.648	0.618	0.604	MEX
147.3	149.6	121.0	63.7	64.8	52.3	0.702	0.715	0.672	PER
-	-	1,311.2	-	-	330.2	-	-	0.672	RUS
-	310.2	500.1	-	61.2	98.6	-	860.537	0.820	VNM

Note: Chinese Taipei is not included in the CO₂ Emission per Real GDP (2000 PPP) of APEC 19, APEC 21 and East Asia.