

## Selected Energy Indicators APEC Region

	Population			Real GDP			Real GDP	
	Millions			Billions of 1995 Price and 1995 USD			Billions of 1995 Price and 1995 PPP	
	1980	1990	2001	1980	1990	2001	1980	1990
APEC 19	1,787	2,064	2,338	9,763	14,174	19,405	9,561	14,304
APEC 21	1,980	2,278	2,562	-	14,731	19,813	-	15,745
East Asia	1,159.0	1,327.6	1,475.4	3,759.2	5,965.0	7,901.4	2,771.3	5,000.3
China	981.2	1,135.2	1,271.9	163.6	397.6	1,117.1	703.7	1,710.1
Hong Kong, China	5.0	5.7	6.7	56.9	107.3	164.8	54.7	103.2
Japan	116.8	123.5	127.0	3,304.4	4,936.0	5,647.7	1,771.1	2,645.5
Republic of Korea	38.1	42.9	47.3	149.1	341.6	639.2	156.6	358.9
Chinese Taipei	17.8	20.4	22.4	85.2	182.5	332.6	85.2	182.5
Southeast Asia	259.4	316.4	376.8	247.0	431.1	711.6	571.8	956.6
Brunei Darussalam	0.2	0.3	0.3	5.7	4.8	5.4	6.2	5.3
Indonesia	148.3	178.2	209.0	74.6	138.4	216.2	197.5	366.6
Malaysia	13.8	18.2	23.8	31.6	56.5	112.1	52.4	93.6
Philippines	48.0	61.0	78.3	56.3	66.6	91.2	180.2	213.0
Singapore	2.4	3.0	4.1	26.6	53.7	112.0	20.4	41.3
Thailand	46.7	55.6	61.2	52.2	111.1	174.7	108.8	231.7
Oceania	20.9	24.5	28.5	281.8	373.2	544.8	285.0	376.5
Australia	14.7	17.1	19.4	235.8	318.0	469.2	234.6	316.4
New Zealand	3.1	3.4	3.8	43.4	52.2	70.9	43.2	52.0
Papua New Guinea	3.1	4.0	5.3	2.7	3.0	4.7	7.2	8.1
North America	251.8	277.2	316.4	5,178.7	7,054.9	9,731.2	5,325.6	7,253.1
Canada	24.6	27.8	31.1	406.8	534.4	717.4	455.4	598.3
United States of America	227.2	249.4	285.3	4,771.9	6,520.5	9,013.9	4,870.2	6,654.8
Latin America	96.0	117.9	141.2	296.0	349.3	515.6	613.3	722.7
Chile	11.1	13.1	15.4	29.7	43.0	82.9	47.8	69.2
Mexico	67.6	83.2	99.4	221.8	265.3	371.7	481.9	576.4
Peru	17.3	21.6	26.3	44.5	41.1	60.9	83.6	77.1
Russia	139.0	148.3	144.8	439.7	543.9	377.8	1,107.7	1,370.3
Viet Nam	53.7	66.2	79.5	-	14.0	31.0	-	70.5

To calculate the regional real GDP (1995 Price and 1995 PPP) of East Asia, the real GDP (1995 Price and 1995 USD) of Chinese Taipei is used instead of its real GDP (1995 Price and 1995 PPP).

	Energy Indigenous Production			Net Import			Total Primary Energy Supply			
	Mtoe			Mtoe			Mtoe			
2001	1980	1990	2001	1980	1990	2001	1980	1990	2001	
22,109	2,557.8	3,195.7	3,757.7	504.2	538.9	944.8	3,029.6	3,647.8	4,585.4	
23,217	-	-	4,767.0	-	-	571.0	-	-	5,213.3	
8,994.6	477.3	774.9	909.4	339.6	449.9	680.4	819.6	1,197.4	1,587.5	
4,804.8	414.12	670.46	763.12	-18.60	-28.96	13.50	399.64	621.25	790.02	CHN
158.5	0.00	0.00	0.00	6.00	10.79	19.17	5.29	10.65	15.15	HKG
3,027.0	48.71	72.58	101.83	303.24	361.61	406.44	352.60	432.55	507.55	JPN
671.7	9.22	21.69	33.67	29.59	69.49	163.53	38.32	89.36	190.22	KOR
332.6	5.24	10.15	10.75	19.36	37.01	77.75	23.70	43.55	84.57	TWN
1,512.0	132.1	199.0	315.6	-53.6	-51.2	-15.2	71.8	133.7	278.2	
5.9	20.66	15.26	17.52	-17.37	-12.90	-15.08	3.24	2.07	2.42	BRN
572.4	92.08	119.43	168.46	-60.71	-65.85	-74.25	31.07	53.25	94.21	IDN
185.7	16.07	46.53	87.49	-5.01	-25.88	-26.07	10.55	20.47	61.60	MYS
291.8	2.70	6.01	13.20	10.39	11.41	20.23	12.44	17.32	32.73	PHL
86.1	0.00	0.02	0.00	7.13	23.98	42.14	2.44	10.93	20.18	SGP
364.2	0.53	11.75	28.93	12.00	18.01	37.84	12.10	29.67	67.04	THA
550.0	92.1	175.2	258.6	-13.7	-66.8	-132.5	79.4	103.0	125.0	
466.9	86.08	158.19	240.38	-18.31	-65.30	-133.82	69.28	87.94	105.78	AUS
70.6	6.03	12.35	15.49	3.97	2.19	3.45	9.50	14.18	18.60	NZL
12.5	0.03	4.61	2.76	0.63	-3.72	-2.13	0.63	0.86	0.63	PNG
10,002.8	1,689.1	1,838.9	2,023.5	277.6	266.4	468.4	1,942.9	2,069.5	2,407.2	
803.2	207.70	277.42	385.37	-10.95	-68.41	-123.97	194.24	205.97	262.26	CAN
9,199.6	1,481.4	1,561.4	1,638.1	288.6	334.8	592.4	1,748.6	1,863.6	2,144.9	USA
1,055.6	167.1	207.8	250.6	-45.8	-59.4	-56.3	115.9	144.2	187.5	
133.5	7.04	7.76	11.05	4.12	6.96	15.19	10.97	14.26	24.92	CHL
807.7	148.99	191.89	231.28	-46.89	-65.74	-74.12	96.74	122.45	151.55	MEX
114.3	11.10	8.19	8.28	-3.00	-0.60	2.62	8.19	7.54	11.03	PER
951.8	-	-	981.6	-	-	-362.4	-	-	611.5	RUS
156.3	-	-	27.76	-	-	9.15	-	-	16.44	VNM

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2001	1980	1990	2001	1980	1990
APEC 19	2,387.1	2,780.8	3,276.8	3,491.5	5,059.6	6,982.0	1.70	1.77
APEC 21	-	-	3,732.8	-	-	7,626.4	-	-
East Asia	610.3	883.2	1,134.1	864.1	1,510.1	2,450.8	0.71	0.90
China	301.4	469.3	569.0	271.6	573.1	1,033.3	0.41	0.55
Hong Kong, China	3.5	6.7	10.9	10.9	23.8	37.3	1.05	1.87
Japan	252.7	305.1	353.8	511.9	744.8	959.7	3.02	3.50
Republic of Korea	35.7	71.9	146.0	32.7	94.4	257.7	1.01	2.08
Chinese Taipei	17.1	30.3	54.4	36.9	74.0	162.8	1.33	2.14
Southeast Asia	47.0	82.0	161.9	50.5	122.9	313.1	0.28	0.42
Brunei Darussalam	0.2	0.4	0.6	0.3	1.0	2.5	16.81	8.06
Indonesia	21.1	34.0	65.9	7.3	30.5	84.5	0.21	0.30
Malaysia	6.4	13.1	31.5	8.7	19.9	65.0	0.77	1.12
Philippines	9.0	10.3	17.3	15.0	19.3	39.1	0.26	0.28
Singapore	1.0	2.2	2.6	6.1	14.2	29.7	1.01	3.59
Thailand	9.3	22.0	44.1	13.1	38.0	92.3	0.26	0.53
Oceania	59.3	74.0	96.8	101.6	162.4	222.0	3.80	4.21
Australia	51.5	63.2	83.1	81.0	133.1	185.9	4.72	5.15
New Zealand	7.3	10.1	13.4	19.4	27.7	33.6	3.05	4.13
Papua New Guinea	0.4	0.6	0.4	1.2	1.7	2.5	0.20	0.22
North America	1,591.0	1,639.9	1,762.7	2,404.6	3,144.9	3,780.4	7.72	7.47
Canada	156.7	164.6	185.2	307.4	432.9	501.1	7.90	7.41
United States of America	1,434.3	1,475.2	1,577.4	2,097.2	2,712.0	3,279.3	7.70	7.47
Latin America	79.5	101.7	121.3	70.7	119.3	215.7	1.21	1.22
Chile	8.3	11.0	19.3	9.7	15.4	39.4	0.98	1.09
Mexico	65.0	84.4	93.2	52.3	92.1	158.0	1.43	1.47
Peru	6.2	6.2	8.8	8.7	11.8	18.3	0.47	0.35
Russia	-	-	442.9	-	-	618.6	-	-
Viet Nam	-	-	13.0	-	-	25.9	-	-

	Total Primary Energy Supply per Real GDP			Total Primary Energy Supply per Real GDP			Total Final Energy Consumption per Capita			
	toe / Million 1995 USD			toe / Million 1995 PPP			toe / Person			
	2001	1980	1990	2001	1980	1990	2001	1980	1990	
1.96	310.3	257.4	236.3	316.9	255.0	207.4	1,335.7	1,347.5	1,401.4	
2.03	-	-	263.1	-	-	224.5	-	-	1,456.7	
1.08	218.0	200.7	200.9	295.7	239.5	176.5	526.6	665.2	768.7	
0.62	2,442.7	1,562.5	707.2	567.9	363.3	164.4	307.2	413.4	447.3	CHN
2.25	93.1	99.2	91.9	96.8	103.2	95.6	687.5	1,172.5	1,621.4	HKG
4.00	106.7	87.6	89.9	199.1	163.5	167.7	2,163.4	2,469.7	2,785.3	JPN
4.02	257.1	261.6	297.6	244.6	249.0	283.2	936.0	1,676.3	3,083.9	KOR
3.77	278.3	238.6	254.3	-	-	-	959.2	1,487.1	2,428.7	TWN
0.74	290.9	310.1	390.9	125.7	139.8	184.0	181.2	259.3	429.8	
7.04	571.2	430.8	450.3	520.8	392.8	410.6	1,247.4	1,621.5	1,846.2	BRN
0.45	416.5	384.7	435.8	157.3	145.3	164.6	142.1	190.5	315.2	IDN
2.59	333.8	362.3	549.7	201.4	218.6	331.7	463.9	722.2	1,324.1	MYS
0.42	220.8	260.1	358.7	69.1	81.3	112.2	188.2	168.3	221.0	PHL
4.89	91.8	203.5	180.2	119.5	264.8	234.4	415.7	734.1	617.3	SGP
1.10	231.9	267.0	383.7	111.2	128.1	184.0	198.5	396.0	720.3	THA
4.39	281.8	275.9	229.4	278.7	273.5	227.3	2,837.3	3,021.9	3,398.4	
5.46	293.8	276.6	225.4	295.3	277.9	226.5	3,507.6	3,705.6	4,285.5	AUS
4.83	219.1	271.5	262.2	220.1	272.8	263.4	2,345.3	2,947.9	3,473.3	NZL
0.12	234.7	283.6	133.7	88.0	106.3	50.1	142.9	154.0	69.3	PNG
7.61	375.2	293.3	247.4	364.8	285.3	240.7	6,318.1	5,915.2	5,571.0	
8.44	477.6	385.4	365.6	426.5	344.3	326.5	6,372.7	5,923.7	5,959.7	CAN
7.52	366.4	285.8	238.0	359.1	280.0	233.2	6,312.2	5,914.2	5,528.6	USA
1.33	391.6	412.9	363.7	189.0	199.6	177.6	827.6	862.3	859.3	
1.62	369.3	331.6	300.4	229.4	206.0	186.6	742.0	841.5	1,253.3	CHL
1.52	436.2	461.6	407.7	200.8	212.4	187.6	962.0	1,014.5	937.1	MEX
0.42	183.9	183.5	181.2	97.9	97.7	96.5	358.7	287.8	335.2	PER
4.22	-	-	1,618.6	-	-	642.5	-	-	3,059.7	RUS
0.21	-	-	530.2	-	-	105.2	-	-	163.7	VNM

	Energy Related CO <sub>2</sub> Emission			CO <sub>2</sub> Emission per Capita		
	Mt-C			t-C / Person		
	1980	1990	2001	1980	1990	2001
APEC 19	-	-	3,415.9	-	-	1.461
APEC 21	-	-	3,906.8	-	-	1.525
East Asia	659.0	942.3	1,300.8	0.569	0.710	0.882
China	352.2	554.3	780.3	0.359	0.488	0.614
Hong Kong, China	4.0	9.2	9.4	0.793	1.613	1.396
Japan	251.5	287.2	312.1	2.154	2.325	2.456
Republic of Korea	32.8	60.7	135.8	0.861	1.416	2.869
Chinese Taipei	18.5	30.9	63.2	1.038	1.520	2.822
Southeast Asia	-	-	185.2	-	-	0.491
Brunei Darussalam	0.6	1.1	1.4	3.337	4.440	4.099
Indonesia	17.3	37.0	67.9	0.117	0.208	0.325
Malaysia	8.1	15.5	31.6	0.586	0.851	1.329
Philippines	8.2	9.7	18.5	0.171	0.159	0.237
Singapore	2.0	9.1	17.9	0.848	2.998	4.325
Thailand	-	-	47.8	-	-	0.782
Oceania	-	79.0	103.5	-	3.228	3.632
Australia	-	72.3	95.4	-	4.239	4.923
New Zealand	-	6.1	7.8	-	1.767	2.033
Papua New Guinea	0.5	0.6	0.2	0.165	0.159	0.038
North America	1,412.5	1,490.2	1,707.3	5.609	5.375	5.396
Canada	119.1	124.5	142.0	4.844	4.478	4.569
United States of America	1,293.4	1,365.7	1,565.3	5.692	5.475	5.486
Latin America	76.5	92.0	119.2	0.797	0.780	0.844
Chile	7.8	9.8	14.8	0.697	0.749	0.964
Mexico	63.0	76.8	97.4	0.932	0.923	0.980
Peru	5.7	5.4	7.0	0.332	0.250	0.264
Russia	-	-	477.6	-	-	3.299
Viet Nam	-	-	13.3	-	-	0.167

CO <sub>2</sub> Emission per Real GDP			CO <sub>2</sub> Emission per Real GDP			CO <sub>2</sub> Emission per Total Primary Energy Supply			
kt-C / Billions of 1995 USD			kt-C / Billions of 1995 PPP			t-C / toe			
1980	1990	2001	1980	1990	2001	1980	1990	2001	
-	-	176.0	-	-	154.5	-	-	0.745	
-	-	197.2	-	-	168.3	-	-	0.749	
175.3	158.0	164.6	237.8	188.5	144.6	0.804	0.787	0.819	
2,152.5	1,394.0	698.5	500.5	324.1	162.4	0.881	0.892	0.988	CHN
70.3	85.7	57.0	73.1	89.1	59.2	0.755	0.864	0.620	HKG
76.1	58.2	55.3	142.0	108.6	103.1	0.713	0.664	0.615	JPN
220.1	177.7	212.5	209.4	169.1	202.2	0.856	0.679	0.714	KOR
216.9	169.5	190.1	216.9	169.5	190.1	0.780	0.710	0.748	TWN
-	-	260.2	-	-	122.5	-	-	0.666	
113.4	237.3	262.2	103.4	216.4	239.1	0.198	0.551	0.582	BRN
232.1	267.2	314.1	87.6	100.9	118.6	0.557	0.695	0.721	IDN
255.0	274.0	282.3	153.9	165.3	170.3	0.764	0.756	0.514	MYS
145.5	146.1	203.3	45.5	45.7	63.6	0.659	0.562	0.567	PHL
77.1	170.1	159.5	100.3	221.4	207.5	0.839	0.836	0.885	SGP
-	-	273.7	-	-	131.3	-	-	0.713	THA
-	211.8	189.9	-	209.9	188.1	-	0.767	0.828	
-	227.5	203.4	-	228.6	204.4	-	0.823	0.902	AUS
-	116.3	110.3	-	116.8	110.8	-	0.428	0.421	NZL
189.3	207.1	43.0	71.0	77.6	16.1	0.807	0.730	0.322	PNG
272.8	211.2	175.4	265.2	205.5	170.7	0.727	0.720	0.709	
292.9	232.9	198.0	261.6	208.0	176.8	0.613	0.604	0.542	CAN
271.0	209.5	173.7	265.6	205.2	170.2	0.740	0.733	0.730	USA
258.5	263.4	231.2	124.8	127.3	112.9	0.660	0.638	0.636	
261.6	228.2	179.0	162.5	141.8	111.2	0.708	0.688	0.596	CHL
284.1	289.5	262.0	130.7	133.2	120.6	0.651	0.627	0.643	MEX
129.2	131.3	114.2	68.8	69.9	60.8	0.702	0.715	0.631	PER
-	-	1,264.0	-	-	501.8	-	-	0.781	RUS
-	-	429.1	-	-	85.1	-	-	0.809	VNM