

## 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	2000	1980	1990	2000	1980	1990
APEC 19	1,787	1,907	2,032	9,759	14,169	19,296	9,883	14,844
APEC 21	1,980	2,122	2,256	-	14,727	19,681	-	16,645
East Asia	1,159.0	1,173.0	1,182.6	3,760.1	5,963.7	7,850.4	2,988.4	5,390.1
China	981.2	981.2	981.2	164.5	396.4	1,040.3	761.8	1,835.8
Hong Kong, China	5.0	5.0	5.0	56.9	107.3	164.6	56.4	106.4
Japan	116.8	123.5	126.9	3,304.4	4,936.0	5,687.6	1,895.6	2,831.5
Republic of Korea	38.1	42.9	47.3	149.1	341.6	617.5	189.4	433.9
Chinese Taipei	17.8	20.4	22.2	85.2	182.5	340.4	85.2	182.5
Southeast Asia	259.4	316.4	374.4	247.1	431.3	698.2	601.3	1,008.3
Brunei Darussalam	0.2	0.3	0.3	5.7	4.8	5.5	5.4	4.6
Indonesia	148.3	178.2	210.4	74.6	138.4	209.1	209.6	389.0
Malaysia	13.8	18.2	23.3	31.6	56.5	111.6	55.1	98.5
Philippines	48.0	61.0	75.6	56.3	66.6	88.2	189.4	223.8
Singapore	2.4	3.0	4.0	26.7	53.9	113.4	21.9	44.3
Thailand	46.7	55.6	60.7	52.2	111.1	170.3	114.3	243.4
Oceania	20.9	24.5	28.1	280.5	372.8	529.2	297.5	394.5
Australia	14.7	17.1	19.2	234.7	318.1	457.3	244.6	331.6
New Zealand	3.1	3.4	3.8	43.1	51.7	67.2	46.5	55.8
Papua New Guinea	3.1	4.0	5.1	2.7	3.0	4.7	6.3	7.1
North America	251.8	277.2	312.3	5,175.2	7,052.1	9,701.7	5,352.2	7,290.3
Canada	24.6	27.8	30.8	403.3	531.6	693.1	482.0	635.5
United States of America	227.2	249.4	281.6	4,771.9	6,520.5	9,008.5	4,870.2	6,654.8
Latin America	96.0	115.9	134.8	296.0	349.3	516.3	649.3	765.6
Chile	11.1	11.1	11.1	29.7	43.0	81.4	50.4	72.9
Mexico	67.6	83.2	98.0	221.8	265.3	374.1	512.3	612.7
Peru	17.3	21.6	25.7	44.5	41.1	60.8	86.6	80.0
Russia	139.0	148.3	145.6	439.7	543.9	357.5	1,395.2	1,725.9
Viet Nam	53.7	66.2	78.5	-	13.6	27.9	-	74.5

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			
2000	1980	1990	2000	1980	1990	2000	1980	1990	2000	
22,623	2,557.8	3,195.7	3,719.6	504.2	538.9	969.9	3,028.9	3,646.3	4,665.1	
23,911	-	-	4,911.6	-	-	670.1	-	-	5,551.2	
9,369.2	477.3	774.9	822.3	339.6	449.9	699.8	818.9	1,195.8	1,507.3	
4,818.5	414.12	670.46	675.97	-18.60	-28.96	34.49	399.64	621.25	717.75	CHN
163.2	0.00	0.00	0.00	5.99	10.79	18.23	4.62	9.09	15.11	HKG
3,262.6	48.71	72.58	102.11	303.24	361.61	406.86	352.60	432.55	509.48	JPN
784.5	9.22	21.69	32.78	29.59	69.49	162.70	38.32	89.36	187.61	KOR
340.4	5.24	10.15	11.48	19.36	37.01	77.50	23.70	43.55	77.40	TWN
1,555.8	132.1	199.0	327.0	-53.6	-51.2	-28.3	71.8	133.7	278.1	
5.3	20.66	15.26	17.07	-17.37	-12.90	-15.28	3.24	2.07	1.85	BRN
587.6	92.08	119.43	184.00	-60.71	-65.85	-82.40	31.07	53.25	101.24	IDN
194.6	16.07	46.53	84.11	-5.01	-25.88	-25.78	10.55	20.47	57.87	MYS
296.6	2.70	6.01	13.22	10.39	11.41	20.05	12.44	17.32	33.26	PHL
93.2	0.00	0.02	0.00	7.13	23.98	40.45	2.44	10.93	20.58	SGP
373.1	0.53	11.75	28.56	12.00	18.01	34.64	12.10	29.67	63.26	THA
560.3	92.1	175.2	252.8	-13.7	-66.8	-122.4	79.4	103.0	130.1	
476.7	86.08	158.19	236.05	-18.31	-65.30	-125.02	69.28	87.94	110.84	AUS
72.6	6.03	12.35	14.89	3.97	2.19	3.52	9.50	14.18	18.30	NZL
11.1	0.03	4.61	1.88	0.63	-3.72	-0.89	0.63	0.86	0.99	PNG
10,022.7	1,689.1	1,838.9	2,069.9	277.6	266.4	471.3	1,942.9	2,069.5	2,559.6	
828.6	207.70	277.42	380.52	-10.95	-68.41	-124.14	194.24	205.97	263.54	CAN
9,194.1	1,481.4	1,561.4	1,689.4	288.6	334.8	595.4	1,748.6	1,863.6	2,296.1	USA
1,120.7	167.1	207.8	247.5	-45.8	-59.4	-50.4	115.9	144.2	190.0	
138.1	7.04	7.76	10.73	4.12	6.96	17.81	10.97	14.26	27.18	CHL
864.2	148.99	191.85	228.97	-46.89	-65.72	-71.54	96.74	122.42	151.79	MEX
118.3	11.10	8.19	7.83	-3.00	-0.60	3.30	8.19	7.54	11.05	PER
1,134.4	-	-	1,168.4	-	-	-290.3	-	-	872.0	RUS
152.8	-	-	23.67	-	-	-9.52	-	-	14.15	VNM

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2000	1980	1990	2000	1980	1990
APEC 19	2,386.4	2,779.2	3,307.8	3,491.5	5,059.6	6,913.1	1.69	1.91
APEC 21	-	-	3,804.2	-	-	7,609.5	-	-
East Asia	609.6	881.7	1,133.2	864.1	1,510.1	2,276.0	0.71	1.02
China	301.39	469.30	575.62	271.6	573.1	950.3	0.41	0.63
Hong Kong, China	2.79	5.13	12.76	10.9	23.8	34.8	0.92	1.80
Japan	252.65	305.09	359.86	511.9	744.8	932.5	3.02	3.50
Republic of Korea	35.69	71.86	136.47	32.7	94.4	214.2	1.01	2.08
Chinese Taipei	17.08	30.27	48.54	36.9	74.0	144.1	1.33	2.14
Southeast Asia	47.0	82.0	149.7	50.5	122.9	320.8	0.28	0.42
Brunei Darussalam	0.24	0.42	0.66	0.3	1.0	2.8	16.81	8.06
Indonesia	21.08	33.96	61.00	7.3	30.5	119.8	0.21	0.30
Malaysia	6.39	13.15	26.74	8.7	19.9	56.0	0.77	1.12
Philippines	9.04	10.28	17.11	15.0	19.3	33.7	0.26	0.28
Singapore	1.00	2.24	3.56	6.1	14.2	27.1	1.01	3.59
Thailand	9.27	22.01	40.67	13.1	38.0	81.5	0.26	0.53
Oceania	59.3	74.0	90.3	101.6	162.4	208.6	3.80	4.21
Australia	51.53	63.24	76.55	81.0	133.1	173.9	4.72	5.15
New Zealand	7.30	10.13	12.96	19.4	27.7	32.8	3.05	4.13
Papua New Guinea	0.44	0.61	0.82	1.2	1.7	2.0	0.20	0.22
North America	1,591.0	1,639.9	1,810.9	2,404.6	3,144.9	3,911.6	7.72	7.47
Canada	156.7	164.6	188.6	307.4	432.9	487.2	7.90	7.41
United States of America	1,434.3	1,475.2	1,622.4	2,097.2	2,712.0	3,424.4	7.70	7.47
Latin America	79.5	101.6	123.5	70.7	119.3	196.1	1.21	1.24
Chile	8.27	11.02	18.70	9.7	15.4	34.7	0.98	1.28
Mexico	65.00	84.42	96.24	52.3	92.1	145.0	1.43	1.47
Peru	6.21	6.21	8.56	8.7	11.8	16.5	0.47	0.35
Russia	-	-	485.93	-	-	676.8	-	-
Viet Nam	-	-	10.47	-	-	19.6	-	-

	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				
	2000	1980	1990	2000	1980	1990	2000	1980	1990		2000
	2.30	310.4	257.3	241.8	306.5	245.6	206.2	1,335.3	1,457.3	1,627.7	
	2.46	-	-	282.1	-	-	232.2	-	-	1,686.0	
	1.27	217.8	200.5	192.0	274.0	221.8	160.9	526.0	751.6	958.2	
	0.73	2,429.7	1,567.4	689.9	524.6	338.4	149.0	307.2	478.3	586.6	CHN
	3.00	81.1	84.7	91.8	81.8	85.4	92.6	553.0	1,018.9	2,531.9	HKG
	4.02	106.7	87.6	89.6	186.0	152.8	156.2	2,163.4	2,469.7	2,836.5	JPN
	3.97	257.1	261.6	303.8	202.3	205.9	239.1	936.0	1,676.3	2,886.6	KOR
	3.48	278.3	238.6	227.4	-	-	-	959.2	1,487.1	2,185.1	TWN
	0.74	290.8	310.0	398.2	119.5	132.6	178.7	181.2	259.3	400.0	
	5.48	571.2	430.8	334.9	595.7	449.2	349.3	1,247.4	1,621.5	1,966.2	BRN
	0.48	416.5	384.7	484.2	148.2	136.9	172.3	142.1	190.5	289.9	IDN
	2.49	333.8	362.3	518.4	191.4	207.8	297.3	463.9	722.2	1,149.1	MYS
	0.44	220.8	260.1	377.0	65.7	77.4	112.2	188.2	168.3	226.4	PHL
	5.12	91.5	202.7	181.4	111.3	246.7	220.8	415.7	734.1	886.0	SGP
	1.04	231.9	267.0	371.4	105.9	121.9	169.5	198.5	396.0	669.7	THA
	4.62	283.1	276.2	245.9	267.0	261.0	232.2	2,837.3	3,021.9	3,209.7	
	5.78	295.2	276.4	242.4	283.2	265.2	232.5	3,507.6	3,705.6	3,990.7	AUS
	4.78	220.3	274.5	272.2	204.1	254.3	252.2	2,345.3	2,947.9	3,382.4	NZL
	0.19	234.7	283.6	208.4	100.3	121.2	89.0	142.9	154.0	160.6	PNG
	8.20	375.4	293.5	263.8	363.0	283.9	255.4	6,318.1	5,915.2	5,798.7	
	8.57	481.7	387.4	380.2	403.0	324.1	318.1	6,372.7	5,923.7	6,132.9	CAN
	8.16	366.4	285.8	254.9	359.1	280.0	249.7	6,312.2	5,914.2	5,762.2	USA
	1.41	391.6	412.8	368.0	178.5	188.4	169.6	827.6	876.7	916.4	
	2.44	369.3	331.6	333.7	217.8	195.5	196.8	742.0	988.8	1,677.7	CHL
	1.55	436.2	461.5	405.7	188.9	199.8	175.6	962.0	1,014.3	982.4	MEX
	0.43	183.9	183.5	181.8	94.5	94.2	93.4	358.7	287.8	333.7	PER
	5.99	-	-	2,438.9	-	-	768.7	-	-	3,338.5	RUS
	0.18	-	-	506.8	-	-	92.6	-	-	133.4	VNM

	Energy Related CO <sub>2</sub> Emission			CO <sub>2</sub> Emission per Capita		
	kt-C			t-C / Person		
	1980	1990	2000	1980	1990	2000
APEC 19	-	-	3,326,357	-	-	1.637
APEC 21	-	-	3,731,931	-	-	1.654
East Asia	658,961	942,171	1,276,924	0.569	0.803	1.080
China	352,159	554,262	768,533	0.359	0.565	0.783
Hong Kong, China	3,997	9,065	13,486	0.793	1.799	2.676
Japan	251,510	287,216	337,663	2.154	2.325	2.661
Republic of Korea	32,807	60,692	101,417	0.861	1.416	2.145
Chinese Taipei	18,488	30,936	55,825	1.038	1.520	2.513
Southeast Asia	-	-	169,853	-	-	0.454
Brunei Darussalam	644	1,141	1,614	3.337	4.440	4.775
Indonesia	17,311	36,989	66,861	0.117	0.208	0.318
Malaysia	8,063	15,481	26,452	0.586	0.851	1.137
Philippines	8,199	9,730	17,597	0.171	0.159	0.233
Singapore	2,047	9,135	17,115	0.848	2.998	4.260
Thailand	-	-	40,214	-	-	0.662
Oceania	-	80,870	98,888	-	3.303	3.514
Australia	-	74,167	90,780	-	4.346	4.733
New Zealand	-	6,072	7,308	-	1.767	1.908
Papua New Guinea	509	631	800	0.165	0.159	0.156
North America	1,398,132	1,475,965	1,663,485	5.552	5.324	5.327
Canada	110,012	124,320	146,272	4.473	4.473	4.757
United States of America	1,288,120	1,351,645	1,517,213	5.669	5.419	5.389
Latin America	76,517	92,004	117,207	0.797	0.794	0.870
Chile	7,771	9,812	16,101	0.697	0.880	1.444
Mexico	62,997	76,800	93,867	0.932	0.923	0.958
Peru	5,749	5,392	7,239	0.332	0.250	0.282
Russia	-	-	395,303	-	-	2.716
Viet Nam	-	-	10,271	-	-	0.131

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			kt-C / Mtoe			
1980	1990	2000	1980	1990	2000	1980	1990	2000	
-	-	172.4	-	-	147.0	-	-	713.0	
-	-	189.6	-	-	156.1	-	-	672.3	
175.3	158.0	162.7	220.5	174.8	136.3	804.7	787.9	847.1	
2,141.0	1,398.4	738.8	462.2	301.9	159.5	881.2	892.2	1,070.7	CHN
70.3	84.5	81.9	70.9	85.2	82.6	865.9	997.1	892.5	HKG
76.1	58.2	59.4	132.7	101.4	103.5	713.3	664.0	662.8	JPN
220.1	177.7	164.2	173.2	139.9	129.3	856.1	679.2	540.6	KOR
217.0	169.5	164.0	217.0	169.5	164.0	779.9	710.3	721.3	TWN
-	-	243.3	-	-	109.2	-	-	610.9	
113.4	237.3	291.9	118.2	247.5	304.4	198.5	550.8	871.6	BRN
232.1	267.2	319.8	82.6	95.1	113.8	557.2	694.6	660.4	IDN
255.0	274.0	237.0	146.3	157.1	135.9	764.0	756.2	457.1	MYS
145.5	146.1	199.4	43.3	43.5	59.3	659.0	561.8	529.0	PHL
76.8	169.4	150.9	93.4	206.2	183.6	839.2	835.9	831.7	SGP
-	-	236.1	-	-	107.8	-	-	635.7	THA
-	216.9	186.9	-	205.0	176.5	-	785.3	759.9	
-	233.1	198.5	-	223.6	190.4	-	843.4	819.0	AUS
-	117.5	108.7	-	108.9	100.7	-	428.2	399.4	NZL
189.3	207.1	168.7	80.9	88.5	72.1	806.7	730.3	809.5	PNG
270.2	209.3	171.5	261.2	202.5	166.0	719.6	713.2	649.9	
272.8	233.9	211.0	228.2	195.6	176.5	566.4	603.6	555.0	CAN
269.9	207.3	168.4	264.5	203.1	165.0	736.6	725.3	660.8	USA
258.5	263.4	227.0	117.8	120.2	104.6	660.2	637.9	616.8	
261.6	228.2	197.7	154.2	134.5	116.6	708.3	688.1	592.4	CHL
284.1	289.5	250.9	123.0	125.3	108.6	651.2	627.3	618.4	MEX
129.2	131.3	119.1	66.4	67.4	61.2	702.4	715.4	655.3	PER
-	-	1,105.7	-	-	348.5	-	-	453.4	RUS
-	-	367.8	-	-	67.2	-	-	725.8	VNM