

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	2005	1980	1990	2005	1980	1990
APEC 19	1,787	2,063	2,414	-	13,852	21,960	10,246	15,326
APEC 21	1,980	2,277	2,641	-	14,253	22,355	10,246	16,925
East Asia	1,159	1,328	1,510	3,232	5,110	8,084	3,046	5,404
China	981.2	1,135.2	1,304.5	182.9	444.6	1,889.9	759.1	1,844.9
Hong Kong, China	5.1	5.7	6.9	58.3	108.4	207.9	60.4	112.2
Japan	116.8	123.5	127.8	2,793.1	4,111.3	4,992.8	1,988.3	2,926.7
Republic of Korea	38.1	42.9	48.3	122.8	283.6	637.9	182.2	420.7
Chinese Taipei	17.8	20.4	22.7	75.1	161.8	355.9	55.5	99.2
Southeast Asia	259	315	398	-	340	690	601	1,023
Brunei Darussalam	0.2	0.3	0.4	-	4.8	6.6	-	4.8
Indonesia	148.3	178.2	220.6	58.8	109.2	207.7	213.5	396.2
Malaysia	13.8	17.8	25.3	25.4	45.5	112.5	55.5	99.2
Philippines	48.1	61.1	83.1	47.6	56.2	94.4	191.4	226.2
Singapore	2.4	3.0	4.3	21.9	44.7	112.2	22.3	45.7
Thailand	46.3	54.6	64.2	37.3	79.4	156.8	117.9	251.0
Oceania	21	25	30	244	323	535	311	410
Australia	14.7	17.1	20.3	208.5	280.5	468.4	256.0	344.4
New Zealand	3.1	3.4	4.1	33.1	39.8	62.7	48.1	57.9
Papua New Guinea	3.2	4.1	5.9	1.9	2.2	3.8	6.9	7.8
North America	252	277	329	5,536	7,591	11,856	5,612	7,690
Canada	24.6	27.8	32.3	408.2	535.6	809.5	483.6	634.6
United States of America	227.2	249.6	296.4	5,128.0	7,055.0	11,046	5,128.0	7,055.0
Latin America	96.1	118.2	147.4	412.6	489.9	794.9	677.7	799.2
Chile	11.2	13.2	16.3	27.9	40.4	93.2	52.3	75.7
Mexico	67.6	83.2	103.1	345.6	413.3	636.3	535.5	640.5
Peru	17.3	21.8	28.0	39.1	36.1	65.4	89.9	83.0
Russia	139.0	148.3	143.1	-	385.9	349.9	-	1,523.0
Viet Nam	53.7	66.2	83.1	-	15.0	44.7	-	76.3

Note: APEC 19 is not included Russia and Viet Nam.

	Energy Indigenous Production			Net Import			Total Primary Energy Supply				
	Mtoe			Mtoe			Mtoe				
	2005	1980	1990	2005	1980	1990	2005	1980	1990	2005	
	28,795	2,580	3,322	4,563	500	555	1,257	3,052	3,758	5,729	
	30,403	2,580	3,328	5,794	500	555	707	3,052	3,764	6,405	
	12,803	500	812	1,581	340	451	859	842	1,237	2,403	
	7,842.2	436.3	705.8	1,426.0	-19.6	-30.5	138.1	421.0	654.0	1,544.6	CHN
	215.2	0.0	0.0	0.1	6.0	10.8	23.4	5.3	10.6	17.8	HKG
	3,554.2	48.7	72.6	97.6	303.2	361.6	425.2	352.6	432.5	519.4	JPN
	946.5	9.2	22.6	44.2	29.6	70.1	175.5	38.3	93.4	214.3	KOR
	245.4	5.7	10.7	13.2	20.3	39.4	96.4	25.1	46.0	106.6	TWN
	1,996	132	199	371	-54	-52	-2	71	133	340	
	6.6	20.7	15.3	21.6	-17.4	-12.9	-19.3	3.2	2.1	2.3	BRN
	754.1	92.1	119.4	206.2	-60.7	-65.9	-73.9	31.1	53.3	131.0	IDN
	245.4	16.1	46.5	92.0	-5.0	-25.4	-30.6	10.6	21.0	61.7	MYS
	379.6	2.7	6.0	14.0	10.4	11.4	17.8	12.4	17.3	32.0	PHL
	114.6	0.0	0.0	0.0	6.7	22.9	55.4	2.0	9.9	27.3	SGP
	495.9	0.5	11.9	37.5	12.0	18.2	48.7	12.1	29.9	85.2	THA
	680	92	175	286	-14	-65	-144	79	104	141	
	575.0	86.1	158.2	270.8	-18.3	-64.7	-147.9	69.3	88.2	121.9	AUS
	91.2	6.0	12.7	12.9	4.0	3.1	4.9	9.5	15.4	17.6	NZL
	13.4	0.0	4.6	2.7	0.6	-3.7	-0.9	0.6	0.9	1.8	PNG
	12,005	1,689	1,925	2,048	278	284	601	1,943	2,137	2,628	
	959.0	207.7	273.8	402.0	-11.0	-59.4	-134.0	194.2	209.4	272.7	CAN
	11,046	1,481.4	1,650.9	1,646.1	288.6	343.4	734.8	1,748.6	1,928.1	2,355.6	USA
	1,310.6	167.2	210.7	276.4	-49.9	-63.1	-57.1	116.3	146.3	217.5	
	174.4	7.0	7.8	9.3	4.1	7.0	21.3	11.0	14.3	30.0	CHL
	986.0	149.0	194.8	259.0	-51.0	-69.5	-81.2	97.2	124.5	176.4	MEX
	150.3	11.1	8.2	8.1	-3.0	-0.6	2.8	8.2	7.5	11.1	PER
	1,380.8	0.0	0.0	1,184.7	0.0	0.0	-531.2	0.0	0.0	646.7	RUS
	227.1	0.0	5.8	46.5	0.0	-0.2	-18.2	0.0	5.4	28.7	VNM

	Total Final Energy Consumption			Final Consumption of Electricity			Total Primary Energy Supply	
	Mtoe			TWh			toe / Person	
	1980	1990	2005	1980	1990	2005	1980	1990
APEC 19	2,405	2,621	3,712	3,507	5,004	8,705	1.71	1.82
APEC 21	2,405	2,625	4,154	3,507	5,010	9,401	1.54	1.65
East Asia	627.0	896.6	1,479.9	879.9	1,543.4	3,587.9	0.73	0.93
China	318.2	489.9	904.6	287.4	606.4	1,974.5	0.43	0.58
Hong Kong, China	3.5	6.7	10.4	10.9	23.8	40.1	1.05	1.87
Japan	252.7	305.1	354.7	511.9	744.8	1,021.6	3.02	3.50
Republic of Korea	35.7	65.1	145.9	32.7	94.4	357.1	1.01	2.18
Chinese Taipei	17.0	29.8	64.3	36.9	74.0	194.6	1.41	2.26
Southeast Asia	48.1	85.3	200.4	50.5	123.2	391.5	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	74.7	7.3	30.5	107.0	0.21	0.30
Malaysia	6.4	13.1	37.5	8.7	19.9	80.7	0.77	1.18
Philippines	9.0	10.3	17.7	15.0	19.3	45.5	0.26	0.28
Singapore	2.1	5.3	14.7	6.1	14.2	34.4	0.82	3.25
Thailand	9.3	22.2	54.9	13.1	38.3	120.8	0.26	0.55
Oceania	59.3	68.0	90.4	101.6	158.7	247.1	3.77	4.24
Australia	51.5	58.0	76.5	81.0	129.2	206.5	4.72	5.17
New Zealand	7.3	9.4	12.7	19.4	27.8	37.1	3.05	4.47
Papua New Guinea	0.4	0.6	1.2	1.2	1.7	3.6	0.19	0.21
North America	1,591.0	1,465.6	1,802.1	2,404.6	3,051.6	4,231.1	7.72	7.71
Canada	156.7	160.0	200.9	307.4	418.0	510.8	7.90	7.54
United States of America	1,434.3	1,305.6	1,601.2	2,097.2	2,633.6	3,720.3	7.70	7.72
Latin America	79.6	105.6	138.9	70.7	127.4	247.7	1.21	1.24
Chile	8.3	11.0	21.8	9.7	15.4	48.3	0.98	1.08
Mexico	65.1	88.4	108.1	52.3	100.2	177.3	1.44	1.50
Peru	6.2	6.2	9.0	8.7	11.8	22.1	0.47	0.35
Russia	0.0	0.0	420.0	0.0	0.0	650.0	0.00	0.00
Viet Nam	0.0	4.2	22.4	0.0	6.2	45.6	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			
	2005	1980	1990	2005	1980	1990	2005	1980	1990	2005	
	2.37	-	271.3	260.9	295.4	242.2	195.3	1.3	1.3	1.5	
	2.43	-	0.3	286.5	297.9	222.4	207.2	1.2	1.2	1.6	
	1.59	260.6	242.0	297.2	268.3	220.3	179.3	0.5	0.7	1.0	
	1.18	2,301.3	1,471.0	817.3	554.6	354.5	197.0	0.3	0.4	0.7	CHN
	2.56	90.7	98.2	85.4	87.7	94.9	82.5	0.7	1.2	1.5	HKG
	4.06	126.2	105.2	104.0	177.3	147.8	146.1	2.2	2.5	2.8	JPN
	4.44	312.0	329.3	335.9	210.3	222.0	226.4	0.9	1.5	3.0	KOR
	4.70	334.0	284.2	299.6	452.1	463.6	434.6	1.0	1.5	2.8	TWN
	0.85	-	392.8	492.0	118.9	130.4	170.1	0.2	0.3	0.5	
	6.21	-	430.7	349.2	-	430.7	349.2	1.2	1.6	2.1	BRN
	0.59	528.2	487.9	630.4	145.5	134.4	173.7	0.1	0.2	0.3	IDN
	2.44	414.9	461.3	548.9	190.1	211.4	251.6	0.5	0.7	1.5	MYS
	0.39	261.5	308.0	339.1	65.0	76.6	84.3	0.2	0.2	0.2	PHL
	6.29	90.4	221.3	243.4	88.5	216.8	238.4	0.9	1.7	3.4	SGP
	1.33	324.7	377.3	543.8	102.7	119.3	171.9	0.2	0.4	0.9	THA
	4.66	326.1	323.8	264.2	255.4	254.7	207.9	2.8	2.8	3.0	
	6.00	332.2	314.3	260.3	270.6	256.0	212.0	3.5	3.4	3.8	AUS
	4.30	287.3	386.9	281.1	197.7	266.1	193.4	2.3	2.7	3.1	NZL
	0.30	326.6	395.1	472.0	92.0	111.3	133.0	0.1	0.1	0.2	PNG
	8.00	350.9	281.6	221.7	346.2	278.0	218.9	6.3	5.3	5.5	
	8.44	475.9	391.0	336.9	401.7	330.0	284.4	6.4	5.8	6.2	CAN
	7.95	341.0	273.3	213.2	341.0	273.3	213.2	6.3	5.2	5.4	USA
	1.48	281.9	298.7	273.6	171.6	183.1	165.9	0.8	0.9	0.9	
	1.84	392.6	352.5	321.6	209.9	188.4	171.9	0.7	0.8	1.3	CHL
	1.71	281.2	301.3	277.2	181.4	194.4	178.9	1.0	1.1	1.0	MEX
	0.40	209.2	208.7	170.1	91.1	90.8	74.0	0.4	0.3	0.3	PER
	4.52	-	0.0	1,848.5	-	0.0	468.4	0.0	0.0	2.9	RUS
	0.34	-	0.4	640.9	-	0.1	126.2	0.0	0.1	0.3	VNM

	Energy Related CO ₂ Emission			CO ₂ Emission per Capita		
	Mt-C			t-C / Person		
	1980	1990	2005	1980	1990	2005
APEC 19	-	-	4,184	-	-	1.733
APEC 21	-	-	4,622	-	-	1.750
East Asia	661.2	946.6	1,952.9	0.570	0.713	1.293
China	354.4	554.2	1,423.1	0.361	0.488	1.091
Hong Kong, China	4.0	9.2	10.4	0.789	1.616	1.498
Japan	251.5	287.2	332.3	2.154	2.325	2.600
Republic of Korea	32.8	65.4	115.5	0.861	1.525	2.391
Chinese Taipei	18.4	30.6	71.6	1.035	1.504	3.157
Southeast Asia	-	-	219.8	-	-	0.552
Brunei Darussalam	0.6	1.6	1.6	3.336	6.214	4.168
Indonesia	17.3	39.3	91.4	0.117	0.221	0.414
Malaysia	8.1	15.5	40.9	0.586	0.868	1.614
Philippines	8.2	9.7	19.1	0.171	0.159	0.229
Singapore	1.7	8.3	15.1	0.688	2.714	3.476
Thailand	-	-	51.8	-	-	0.806
Oceania	-	-	107.1	-	-	3.533
Australia	-	69.3	97.0	-	4.062	4.770
New Zealand	-	6.1	8.7	-	1.769	2.133
Papua New Guinea	-	-	1.4	-	-	0.236
North America	1,409.6	1,480.5	1,773.6	5.598	5.337	5.396
Canada	119.1	122.8	156.5	4.844	4.420	4.844
United States of America	1,290.5	1,357.7	1,617.2	5.679	5.439	5.456
Latin America	75.2	91.4	130.9	0.783	0.774	0.888
Chile	6.4	9.3	17.9	0.576	0.702	1.097
Mexico	63.0	76.8	104.9	0.932	0.923	1.017
Peru	5.7	5.4	8.1	0.332	0.248	0.291
Russia	-	-	414.3	-	-	2.895
Viet Nam	-	4,659	23.3	-	70.378	0.281

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	2005	1980	1990	2005	1980	1990	2005	
-	-	190.5	-	-	142.8	-	-	0.730	
-	-	206.8	-	-	149.7	-	-	0.722	
204.6	185.3	241.6	211.1	169.5	146.9	0.785	0.766	0.813	
1,937.5	1,246.6	753.0	466.9	300.4	181.5	0.842	0.847	0.921	CHN
68.5	85.0	50.0	66.2	82.2	48.3	0.755	0.866	0.586	HKG
90.0	69.9	66.6	126.5	98.1	93.5	0.713	0.664	0.640	JPN
267.1	230.6	181.0	180.0	155.4	122.0	0.856	0.700	0.539	KOR
245.4	189.2	201.3	332.1	308.6	291.9	0.735	0.666	0.672	TWN
-	-	318.4	-	-	110.1	-	-	0.647	
-	332.1	234.3	-	332.1	234.3	0.198	0.771	0.671	BRN
294.3	360.4	439.9	81.1	99.3	121.2	0.557	0.739	0.698	IDN
317.0	340.5	363.8	145.3	156.1	166.7	0.764	0.738	0.663	MYS
172.3	173.0	201.9	42.8	43.0	50.2	0.659	0.562	0.595	PHL
75.9	185.0	134.5	74.4	181.2	131.7	0.840	0.836	0.553	SGP
-	-	330.2	-	-	104.4	-	-	0.607	THA
-	-	200.2	-	-	157.6	-	-	0.758	
-	247.1	207.0	-	201.2	168.6	-	0.786	0.795	AUS
-	153.1	139.5	-	105.3	95.9	-	0.396	0.496	NZL
-	-	368.0	-	-	103.7	-	-	0.780	PNG
254.6	195.0	149.6	251.2	192.5	147.7	0.726	0.693	0.675	
291.9	229.3	193.3	246.4	193.6	163.1	0.613	0.587	0.574	CAN
251.6	192.4	146.4	251.6	192.4	146.4	0.738	0.704	0.687	USA
182.2	186.7	164.7	110.9	114.4	99.9	0.646	0.625	0.602	
230.3	228.8	191.9	123.1	122.3	102.6	0.587	0.649	0.597	CHL
182.3	185.8	164.8	117.6	119.9	106.4	0.648	0.617	0.595	MEX
146.9	149.3	124.5	64.0	65.0	54.2	0.702	0.715	0.732	PER
-	-	1,184.1	-	-	300.0	-	-	0.641	RUS
-	310.2	521.7	-	61.1	102.7	-	53.4	0.814	VNM