

EAS [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,627.4	3,117.5	3,839.8	6,010.7	9,774.6	100	100	100	100	100	4.6	4.2	3.3
Coal	782.4	1,568.5	2,104.8	3,163.1	5,075.2	48.1	50.3	54.8	52.6	51.9	5.3	3.8	3.2	3.4
Oil	597.4	987.2	1,051.0	1,467.8	2,257.4	36.7	31.7	27.4	24.4	23.1	3.0	3.1	2.9	3.0
Natural gas	121.6	301.0	368.9	699.9	1,388.6	7.5	9.7	9.6	11.6	14.2	6.0	6.0	4.7	5.2
Nuclear	68.1	136.0	134.5	234.9	341.7	4.2	4.4	3.5	3.9	3.5	3.6	5.2	2.5	3.6
Hydro	31.0	58.1	78.6	120.2	158.3	1.9	1.9	2.0	2.0	1.6	5.0	3.9	1.9	2.7
Geothermal	8.7	20.4	35.2	69.5	106.6	0.5	0.7	0.9	1.2	1.1	7.7	6.4	2.9	4.4
Others	18.1	46.3	66.8	255.4	446.7	1.1	1.5	1.7	4.2	4.6	7.1	13.0	3.8	7.6

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,118.2	1,919.9	2,372.6	3,699.5	6,055.0	100	100	100	100	100	4.0	4.1	3.3
Industry	470.8	814.0	1,058.7	1,657.6	2,710.2	42.1	42.4	44.6	44.8	44.8	4.4	4.2	3.3	3.7
Transportation	207.5	381.1	448.8	726.1	1,227.1	18.6	19.8	18.9	19.6	20.3	4.1	4.5	3.6	3.9
Others	327.8	498.2	599.5	900.3	1,491.4	29.3	26.0	25.3	24.3	24.6	3.2	3.8	3.4	3.6
Non-energy	112.1	226.6	265.5	415.6	626.3	10.0	11.8	11.2	11.2	10.3	4.6	4.2	2.8	3.4
Total	1,118.2	1,919.9	2,372.7	3,699.5	6,054.9	100	100	100	100	100	4.0	4.1	3.3	3.7
Coal	411.0	485.7	669.7	914.6	1,339.0	36.8	25.3	28.2	24.7	22.1	2.6	2.9	2.6	2.7
Oil	463.8	832.6	915.2	1,333.5	2,126.8	41.5	43.4	38.6	36.0	35.1	3.6	3.5	3.2	3.3
Natural gas	49.9	125.9	178.1	382.8	701.4	4.5	6.6	7.5	10.3	11.6	6.9	7.2	4.1	5.4
Electricity	156.8	385.5	508.9	882.1	1,578.3	14.0	20.1	21.4	23.8	26.1	6.4	5.1	4.0	4.4
Heat	13.4	48.5	59.6	127.0	199.4	1.2	2.5	2.5	3.4	3.3	8.2	7.1	3.0	4.8
Others	23.3	41.8	41.1	59.3	110.1	2.1	2.2	1.7	1.6	1.8	3.0	3.4	4.2	3.9

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	2,194.8	5,468.5	6,991.2	12,207.4	21,505.0	100	100	100	100	100	6.3	5.2	3.8
Coal	919.2	3,222.5	4,358.7	7,557.5	13,947.8	41.9	58.9	62.3	61.9	64.9	8.5	5.1	4.2	4.6
Oil	394.7	324.1	216.4	245.9	269.2	18.0	5.9	3.1	2.0	1.3	-3.1	1.2	0.6	0.8
Natural gas	235.3	656.7	863.4	1,498.2	3,188.9	10.7	12.0	12.3	12.3	14.8	7.1	5.1	5.2	5.2
Nuclear	261.3	521.9	516.3	901.2	1,311.3	11.9	9.5	7.4	7.4	6.1	3.6	5.2	2.5	3.6
Hydro	360.5	675.5	912.5	1,397.7	1,841.0	16.4	12.4	13.1	11.4	8.6	5.0	4.0	1.9	2.7
Geothermal	10.5	23.0	30.8	86.6	136.8	0.5	0.4	0.4	0.7	0.6	5.8	9.8	3.1	5.9
Others	13.4	44.7	93.1	520.3	810.1	0.6	0.8	1.3	4.3	3.8	10.7	16.9	3.0	8.7

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	396.3	1,061.8	1,357.3	2,122.6	3,689.6	100	100	100	100	100	6.7	4.1	3.8
Coal	256.6	858.4	1,133.4	1,780.1	3,031.4	64.7	80.8	83.5	83.9	82.2	8.1	4.2	3.6	3.9
Oil	88.3	73.7	53.1	54.6	60.3	22.3	6.9	3.9	2.6	1.6	-2.6	0.2	0.7	0.5
Natural gas	51.4	129.7	170.8	287.9	597.9	13.0	12.2	12.6	13.6	16.2	6.5	4.9	5.0	4.9

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	33.6	34.0	34.5	37.7	40.6						0.1	0.8	0.5
Coal	30.8	32.3	33.1	36.5	39.6						0.4	0.9	0.5	0.7
Oil	38.4	37.8	35.0	38.8	38.4						-0.5	0.9	-0.1	0.4
Natural gas	39.4	43.5	43.5	44.8	45.9						0.5	0.3	0.2	0.2

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,326.1	2,515.5	3,156.8	4,788.6	7,770.9						4.7	3.9	3.3

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	5,847.2	9,525.1	10,898.9	17,920.0	34,805.8	3.3	4.6	4.5
Population (millions of people)	2,598.8	3,148.9	3,272.6	3,575.2	3,826.3	1.2	0.8	0.5	0.6
GDP per capita (thousands of 2000 USD/person)	2.2	3.0	3.3	5.0	9.1	2.1	3.8	4.1	3.9
Primary energy consumption per capita (toe/person)	0.63	0.99	1.17	1.68	2.55	3.4	3.3	2.8	3.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	278	327	352	335	281	1.2	-0.4	-1.2	-0.9
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	227	264	290	267	223	1.3	-0.7	-1.2	-1.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.81	0.81	0.82	0.80	0.80	0.0	-0.3	0.0	-0.1
Automobile ownership volume (millions of vehicles)	71.80	152.52	189.16	307.67	534.61	5.2	4.5	3.8	4.1
Automobile ownership volume per capita (vehicles per person)	0.03	0.06	0.06	0.09	0.14	4.0	3.7	3.3	3.5

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Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,627.3	3,117.5	3,841.6	5,541.1	7,772.4	100	100	100	100	100	4.6	3.4	2.3
Coal	782.4	1,568.5	2,104.8	2,701.9	3,477.1	48.1	50.3	54.8	48.8	44.7	5.3	2.3	1.7	1.9
Oil	597.4	987.2	1,051.0	1,381.3	1,795.6	36.7	31.7	27.4	24.9	23.1	3.0	2.5	1.8	2.1
Natural gas	121.6	301.0	368.9	597.2	1,024.1	7.5	9.7	9.6	10.8	13.2	6.0	4.5	3.7	4.0
Nuclear	68.1	136.0	134.5	343.3	579.6	4.2	4.4	3.5	6.2	7.5	3.6	8.9	3.6	5.8
Hydro	31.0	58.1	78.6	121.3	162.4	1.9	1.9	2.0	2.2	2.1	5.0	4.0	2.0	2.8
Geothermal	8.7	20.4	35.2	98.4	168.4	0.5	0.7	0.9	1.8	2.2	7.7	9.8	3.6	6.2
Others	18.1	46.3	68.5	297.6	565.2	1.1	1.5	1.8	5.4	7.3	7.3	14.3	4.4	8.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,118.2	1,919.9	2,372.6	3,480.9	5,041.6	100	100	100	100	100	4.0	3.5	2.5
Industry	470.8	814.0	1,058.7	1,560.3	2,277.2	42.1	42.4	44.6	44.8	45.2	4.4	3.6	2.6	3.0
Transportation	207.5	381.1	448.8	681.0	965.3	18.6	19.8	18.9	19.6	19.1	4.1	3.9	2.4	3.0
Others	327.8	498.2	599.5	829.0	1,201.2	29.3	26.0	25.3	23.8	23.8	3.2	3.0	2.5	2.7
Non-energy	112.1	226.6	265.5	410.6	597.8	10.0	11.8	11.2	11.8	11.9	4.6	4.0	2.5	3.2
Total	1,118.2	1,919.9	2,372.6	3,480.9	5,041.6	100	100	100	100	100	4.0	3.5	2.5	2.9
Coal	411.0	485.7	669.6	864.9	1,150.0	36.8	25.3	28.2	24.8	22.8	2.6	2.4	1.9	2.1
Oil	463.8	832.6	906.4	1,248.2	1,715.6	41.5	43.4	38.2	35.9	34.0	3.6	3.0	2.1	2.5
Natural gas	49.9	125.9	178.1	349.1	559.9	4.5	6.6	7.5	10.0	11.1	6.9	6.3	3.2	4.5
Electricity	156.8	385.5	517.8	834.7	1,332.0	14.0	20.1	21.8	24.0	26.4	6.5	4.4	3.2	3.7
Heat	13.4	48.5	59.9	122.9	168.9	1.2	2.5	2.5	3.5	3.4	8.2	6.7	2.1	4.1
Others	23.3	41.8	40.9	61.1	115.3	2.1	2.2	1.7	1.8	2.3	3.0	3.7	4.3	4.1

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	2,194.8	5,468.7	6,991.2	11,338.4	17,408.5	100	100	100	100	100	6.3	4.5	2.9
Coal	919.2	3,222.5	4,358.8	6,306.9	9,016.0	41.9	58.9	62.3	55.6	51.8	8.5	3.4	2.4	2.8
Oil	394.7	324.1	216.4	204.8	178.2	18.0	5.9	3.1	1.8	1.0	-3.1	-0.5	-0.9	-0.7
Natural gas	235.3	656.7	863.4	1,280.1	2,490.3	10.7	12.0	12.3	11.3	14.3	7.1	3.6	4.5	4.2
Nuclear	261.3	521.9	516.3	1,317.5	2,242.8	11.9	9.5	7.4	11.6	12.9	3.6	8.9	3.6	5.8
Hydro	360.5	675.5	912.5	1,406.7	1,880.5	16.4	12.4	13.1	12.4	10.8	5.0	4.0	2.0	2.8
Geothermal	10.5	23.0	30.9	119.6	207.9	0.5	0.4	0.4	1.1	1.2	5.9	13.1	3.8	7.6
Others	13.4	44.9	93.0	702.8	1,392.8	0.6	0.8	1.3	6.2	8.0	10.7	20.2	4.7	11.0

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	396.3	1,061.8	1,357.3	1,678.0	2,198.2	100	100	100	100	100	6.7	1.9	1.8
Coal	256.6	858.4	1,133.4	1,404.0	1,740.0	64.7	80.8	83.5	83.7	79.4	8.1	2.0	1.5	1.7
Oil	88.3	73.7	53.1	45.4	40.2	22.3	6.9	3.9	2.7	1.8	-2.6	-1.4	-0.8	-1.1
Natural gas	51.4	129.7	170.8	228.6	412.9	13.0	12.2	12.6	13.6	18.8	6.5	2.7	4.0	3.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	33.6	34.0	34.5	39.9	45.7						0.1	1.3	0.9
Coal	30.8	32.3	33.1	38.6	44.4						0.4	1.4	0.9	1.1
Oil	38.4	37.8	35.0	38.8	38.1						-0.5	0.9	-0.1	0.3
Natural gas	39.4	43.5	43.5	48.2	51.9						0.5	0.9	0.5	0.7

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1,326.1	2,515.5	3,156.8	4,155.5	5,436.9						4.7	2.5	1.8

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	5,847.2	9,525.1	10,898.9	17,920.0	34,805.8	3.3	4.6	4.5
Population (millions of people)	2,598.8	3,148.9	3,272.6	3,575.2	3,826.3	1.2	0.8	0.5	0.6
GDP per capita (thousands of 2000 USD/person)	2.2	3.0	3.3	5.0	9.1	2.1	3.8	4.1	3.9
Primary energy consumption per capita (toe/person)	0.63	0.99	1.17	1.55	2.03	3.4	2.6	1.8	2.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	278	327	352	309	223	1.3	-1.2	-2.1	-1.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	227	264	290	232	156	1.3	-2.0	-2.6	-2.3
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.81	0.81	0.82	0.75	0.70	0.0	-0.8	-0.5	-0.6
Automobile ownership volume (millions of vehicles)	71.80	152.52	189.16	314.67	509.93	5.2	4.7	3.3	3.9
Automobile ownership volume per capita (vehicles per person)	0.03	0.06	0.06	0.09	0.13	4.0	3.9	2.8	3.3

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Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	86.2	119.6	138.1	166.7	178.6	100	100	100	100	100	2.5	1.7	0.5
Coal	35.0	54.4	53.5	50.3	36.8	40.6	45.5	38.7	30.2	20.6	2.3	-0.6	-2.1	-1.4
Oil	31.2	35.6	48.3	58.3	63.8	36.2	29.7	34.9	35.0	35.7	-2.3	1.7	0.6	1.1
Natural gas	14.8	23.0	29.7	45.0	62.4	17.1	19.3	21.5	27.0	34.9	3.7	3.8	2.2	2.9
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	1.2	1.3	1.1	1.1	1.1	1.4	1.1	0.8	0.7	0.6	-0.7	0.4	0.0	0.2
Geothermal	0.0	0.0	0.0	0.4	1.1	0.0	0.0	0.0	0.3	0.6	-	-	6.8	-
Others	4.0	5.3	5.6	11.5	13.5	4.7	4.4	4.0	6.9	7.5	1.7	6.8	1.0	3.4

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	56.6	75.5	87.0	106.9	118.9	100	100	100	100	100	2.3	1.9	0.7
Industry	19.2	26.0	33.0	39.4	43.3	34.0	34.4	38.0	36.8	36.4	2.9	1.6	0.6	1.0
Transportation	21.1	27.7	34.5	42.5	47.1	37.3	36.8	39.6	39.7	39.6	2.6	1.9	0.7	1.2
Others	12.3	17.7	19.5	25.1	28.5	21.7	23.4	22.4	23.4	24.0	2.5	2.3	0.9	1.5
Non-energy	4.0	4.1	0.0	0.0	0.0	7.0	5.4	0.0	0.0	0.0	-100.0	-	-	-
Total	56.6	75.5	87.0	106.9	118.9	100	100	100	100	100	2.3	1.9	0.7	1.2
Coal	4.5	4.0	3.9	3.6	3.5	7.9	5.3	4.4	3.4	3.0	-0.8	-0.6	-0.2	-0.4
Oil	29.0	36.8	41.5	51.2	56.3	51.3	48.7	47.7	47.9	47.4	1.9	1.9	0.6	1.2
Natural gas	8.6	13.3	17.9	21.7	24.5	15.3	17.6	20.5	20.3	20.6	3.9	1.8	0.8	1.2
Electricity	11.1	17.3	19.7	24.9	28.2	19.6	23.0	22.7	23.3	23.7	3.1	2.1	0.8	1.4
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	3.3	4.1	4.1	5.6	6.3	5.9	5.4	4.7	5.2	5.3	1.0	2.9	0.9	1.7

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	154.3	245.2	245.0	310.0	348.0	100	100	100	100	100	2.5	2.2	0.8
Coal	121.5	192.9	182.0	178.0	134.0	78.7	78.7	74.3	57.4	38.5	2.2	-0.2	-1.9	-1.2
Oil	3.6	1.9	5.0	5.0	5.0	2.3	0.8	2.0	1.6	1.4	1.8	0.0	0.0	0.0
Natural gas	14.4	32.3	40.0	64.0	126.0	9.3	13.2	16.3	20.6	36.2	5.5	4.4	4.6	4.5
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	14.1	15.3	12.0	13.0	13.0	9.2	6.2	4.9	4.2	3.7	-0.9	0.7	0.0	0.3
Geothermal	0.0	0.0	0.0	5.0	13.0	0.0	0.0	0.0	1.6	3.7	-	-	6.6	-
Others	0.8	2.9	6.0	45.0	57.0	0.5	1.2	2.4	14.5	16.4	11.6	20.1	1.6	9.0

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	35.2	55.5	59.1	60.8	60.0	100	100	100	100	100	2.8	0.3	-0.1
Coal	30.4	48.1	48.9	45.3	32.3	86.4	86.7	82.7	74.5	53.8	2.5	-0.7	-2.2	-1.6
Oil	1.0	0.6	1.1	1.2	1.2	2.7	1.1	1.9	1.9	2.0	0.8	0.4	0.3	0.3
Natural gas	3.8	6.8	9.1	14.3	26.5	10.9	12.2	15.4	23.6	44.2	4.6	4.2	4.2	4.2

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	34.0	35.2	33.0	35.0	38.0						-0.2	0.5	0.6
Coal	34.4	34.5	32.0	33.8	35.7						-0.4	0.5	0.4	0.4
Oil	32.0	27.2	38.5	36.7	35.3						1.0	-0.4	-0.3	-0.3
Natural gas	32.1	41.0	37.8	38.4	40.9						0.9	0.1	0.4	0.3

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	69.0	97.0	102.5	170.3	174.6						2.1	4.7	0.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	289.3	485.9	535.2	725.2	1,097.4	3.3	2.8	2.8
Population (millions of people)	17.2	20.4	22.0	25.8	31.2	1.3	1.5	1.3	1.4
GDP per capita (thousands of 2000 USD/person)	16.8	23.8	24.4	28.1	35.2	2.0	1.3	1.5	1.4
Primary energy consumption per capita (toe/person)	5.02	5.87	6.29	6.45	5.73	1.2	0.2	-0.8	-0.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	298	246	258	230	163	-0.8	-1.0	-2.3	-1.8
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	238	200	192	235	159	-1.1	1.9	-2.6	-0.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.80	0.81	0.74	1.02	0.98	-0.4	3.0	-0.3	1.1
Automobile ownership volume (millions of vehicles)	-	10.90	12.02	14.55	17.31	-	1.7	1.2	1.4
Automobile ownership volume per capita (vehicles per person)	-	0.59	0.55	0.56	0.56	-	0.3	-0.1	0.1

Brunei Darussalam [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.8	2.5	3.1	4.8	6.8	100	100	100	100	100	3.1	4.0	2.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.1	0.7	0.7	1.2	2.0	4.7	27.6	21.7	25.4	29.7	11.7	5.6	3.4	4.3
Natural gas	1.7	1.8	2.4	3.6	4.8	95.2	72.4	78.3	74.5	70.2	2.0	3.6	1.9	2.6
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-100.0	-	3.7	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.4	0.7	1.7	2.0	2.9	100	100	100	100	100	8.5	1.9	2.3
Industry	0.1	0.1	1.0	1.1	1.3	17.4	13.1	57.6	53.3	46.6	15.6	1.2	1.4	1.3
Transportation	0.2	0.3	0.4	0.5	0.9	53.6	48.1	22.8	25.3	30.2	3.7	2.9	3.5	3.2
Others	0.1	0.2	0.3	0.4	0.6	24.2	35.2	18.8	20.4	22.1	7.0	2.7	2.8	2.8
Non-energy	0.0	0.0	0.0	0.0	0.0	4.8	3.6	0.8	1.0	1.1	-1.0	3.4	2.8	3.0
Total	0.4	0.7	1.7	2.0	2.9	100	100	100	100	100	8.5	1.9	2.3	2.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.3	0.4	0.6	0.8	1.3	74.6	60.4	35.2	39.2	46.9	4.3	2.9	3.5	3.3
Natural gas	0.0	0.0	0.8	0.8	0.8	0.0	0.0	47.9	39.4	28.7	-	0.1	0.1	0.1
Electricity	0.1	0.3	0.3	0.4	0.7	24.9	39.6	16.9	21.4	24.4	6.3	4.2	3.2	3.6
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	-100.0	-	-	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.2	3.3	3.6	5.5	8.8	100	100	100	100	100	6.0	4.1	3.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.0	0.0	0.0	0.1	0.1	0.9	0.9	0.0	1.1	1.2	-100.0	-	3.6	-
Natural gas	1.2	3.2	3.6	5.5	8.7	99.1	99.1	100.0	98.7	98.6	6.1	3.9	3.2	3.5
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	-	-	3.8	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.5	1.1	1.0	2.0	3.2	100	100	100	100	100	4.2	6.4	3.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.9	0.8	0.8	6.0	5.1	3.6	4.2
Natural gas	0.5	1.1	1.0	2.0	3.1	99.4	99.3	99.1	99.2	99.2	4.2	6.4	3.2	4.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	21.8	26.4	30.6	24.0	24.0						1.8	-2.2	0.0
Coal	-	-	-	-	-						-	-	-	-
Oil	31.5	35.6	0.0	34.3	34.3						-100.0	-	0.0	-
Natural gas	21.8	26.3	30.9	23.9	23.9						1.9	-2.3	0.0	-1.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.9	1.3	2.2	2.4	3.7						4.7	0.8	3.0

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	4.8	6.6	6.7	11.4	20.2	1.8	5.0	3.9
Population (millions of people)	0.3	0.4	0.4	0.5	0.7	2.4	2.2	2.1	2.2
GDP per capita (thousands of 2000 USD/person)	18.7	18.0	16.8	22.4	29.0	-0.6	2.7	1.8	2.1
Primary energy consumption per capita (toe/person)	6.85	6.86	7.81	9.44	9.77	0.7	1.7	0.2	0.9
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	366	382	466	422	337	1.3	-0.9	-1.5	-1.2
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	191	203	331	212	185	2.9	-4.0	-0.9	-2.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.52	0.53	0.71	0.50	0.55	1.6	-3.1	0.6	-1.0

Brunei Darussalam [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.8	2.5	3.1	4.2	5.5	100	100	100	100	100	3.1	2.8	1.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.1	0.7	0.7	1.2	2.0	4.7	27.6	21.7	28.6	36.4	11.7	5.5	3.4	4.3
Natural gas	1.7	1.8	2.4	3.0	3.5	95.2	72.4	78.3	71.4	63.6	2.0	2.0	1.0	1.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-100.0	-	3.7	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.4	0.7	1.7	2.0	2.8	100	100	100	100	100	8.5	1.9	2.3
Industry	0.1	0.1	1.0	1.1	1.3	17.4	13.1	57.6	53.5	46.8	15.6	1.2	1.4	1.3
Transportation	0.2	0.3	0.4	0.5	0.9	53.6	48.1	22.8	25.2	30.1	3.7	2.8	3.5	3.2
Others	0.1	0.2	0.3	0.4	0.6	24.2	35.2	18.8	20.3	22.1	7.0	2.6	2.8	2.7
Non-energy	0.0	0.0	0.0	0.0	0.0	4.8	3.6	0.8	1.0	1.1	-1.0	3.3	2.8	3.0
Total	0.4	0.7	1.7	2.0	2.8	100	100	100	100	100	8.5	1.9	2.3	2.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.3	0.4	0.6	0.8	1.3	74.6	60.4	35.2	39.0	46.8	4.3	2.8	3.5	3.2
Natural gas	0.0	0.0	0.8	0.8	0.8	0.0	0.0	47.9	39.6	28.9	-	0.1	0.1	0.1
Electricity	0.1	0.3	0.3	0.4	0.7	24.9	39.6	16.9	21.4	24.3	6.3	4.1	3.2	3.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	-100.0	-	-	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.2	3.3	3.6	5.5	8.8	100	100	100	100	100	6.0	4.0	3.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.0	0.0	0.0	0.1	0.1	0.9	0.9	0.0	1.1	1.2	-100.0	-	3.6	-
Natural gas	1.2	3.2	3.6	5.4	8.6	99.1	99.1	100.0	98.7	98.6	6.1	3.8	3.2	3.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	-	-	3.8	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.5	1.1	1.0	1.4	1.9	100	100	100	100	100	4.2	3.2	1.9
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.9	1.1	1.4	6.0	4.9	3.7	4.2
Natural gas	0.5	1.1	1.0	1.4	1.9	99.4	99.3	99.1	98.9	98.6	4.2	3.2	1.9	2.4

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	21.8	26.4	30.6	33.0	39.9						1.8	0.7	1.3
Coal	-	-	-	-	-						-	-	-	-
Oil	31.5	35.6	0.0	34.4	34.3						-100.0	-	0.0	-
Natural gas	21.8	26.3	30.9	33.0	40.0						1.9	0.6	1.3	1.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.9	1.3	2.2	2.0	2.9						4.7	-0.7	2.4

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	4.8	6.6	6.7	11.4	20.2	1.8	5.0	3.9
Population (millions of people)	0.3	0.4	0.4	0.5	0.7	2.4	2.2	2.1	2.2
GDP per capita (thousands of 2000 USD/person)	18.7	18.0	16.8	22.4	29.0	-0.6	2.7	1.8	2.1
Primary energy consumption per capita (toe/person)	6.85	6.86	7.81	8.33	7.90	0.7	0.6	-0.4	0.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	366	382	466	373	272	1.3	-2.0	-2.1	-2.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	191	203	331	180	144	2.9	-5.4	-1.5	-3.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.52	0.53	0.71	0.48	0.53	1.6	-3.4	0.6	-1.1

Cambodia [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	0.5	1.3	1.6	3.1	5.9	100	100	100	100	100	8.9	6.1	4.4	5.1
Coal	0.0	0.0	0.1	1.1	1.6	0.0	0.0	5.0	34.7	27.1	-	26.5	2.8	12.2
Oil	0.5	1.3	1.4	1.8	3.4	100.0	99.2	90.1	58.0	58.7	8.1	1.9	4.5	3.4
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.4	1.1	0.0	0.3	0.3	14.4	18.5	-	53.3	6.2	24.0
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.1	-0.2	-0.3	0.0	0.5	4.6	-7.0	-4.4	-	-210.2	1.2	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	0.4	1.0	1.2	2.3	4.6	100	100	100	100	100	9.0	5.8	4.8	5.2
Industry	0.0	0.1	0.2	0.5	1.0	0.8	5.2	13.2	23.0	21.5	33.0	11.4	4.3	7.2
Transportation	0.3	0.4	0.4	0.5	1.0	74.3	42.6	30.1	22.0	20.8	2.2	2.9	4.4	3.8
Others	0.1	0.5	0.7	1.3	2.7	24.9	52.2	56.7	54.9	57.7	15.7	5.5	5.1	5.3
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	0.4	1.0	1.2	2.3	4.6	100	100	100	100	100	9.0	5.8	4.8	5.2
Coal	0.0	0.0	0.1	0.4	0.5	0.0	0.0	6.5	15.2	10.8	-	14.4	2.4	7.3
Oil	0.4	0.9	1.0	1.6	3.1	97.5	93.5	81.1	67.9	67.1	7.6	4.1	4.7	4.5
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Electricity	0.0	0.1	0.2	0.4	1.0	2.5	6.5	12.4	16.9	22.1	22.4	8.9	6.7	7.6
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	0.2	0.9	1.2	8.2	17.3	100	100	100	100	100	13.8	19.0	5.1	10.8
Coal	0.0	0.0	0.0	2.5	3.8	0.0	0.0	0.0	30.3	22.0	-	-	2.9	-
Oil	0.2	0.8	1.2	0.6	0.9	100.0	95.0	95.7	6.8	5.0	13.4	-6.4	2.9	-1.1
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	5.1	12.6	0.0	5.0	3.9	62.8	73.0	-	53.2	6.2	24.0
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	-	0.0	0.0	0.0

Power generation Input	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	0.1	0.3	0.4	0.9	1.4	100	100	100	100	100	10.0	6.9	2.9	4.6
Coal	0.0	0.0	0.0	0.7	1.1	0.0	0.0	0.0	76.9	76.9	-	-	2.9	-
Oil	0.1	0.3	0.4	0.2	0.3	100.0	100.0	100.0	23.1	23.1	10.0	-6.4	2.9	-1.1
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Thermal Efficiency	%					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	14.7	21.1	22.5	28.3	28.3						3.1	2.1	0.0	0.9
Coal	-	-	-	30.0	30.0						-	-	0.0	-
Oil	14.7	21.1	22.5	22.5	22.5						3.1	0.0	0.0	0.0
Natural gas	-	-	-	-	-						-	-	-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	2009	2020	2035	2035
Total	0.4	1.0	1.3	2.6	4.5						8.9	6.7	3.8	5.0

Energy and economic indicators						AAGR(%)			
	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	1995	2005	2009	2020	2035	2009	2020	2035	2035
GDP (billions of 2000 US dollars)	2.6	5.7	7.3	15.7	41.5	7.7	7.2	6.7	6.9
Population (millions of people)	11.2	13.4	14.0	16.8	21.7	1.6	1.7	1.7	1.7
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	0.9	1.9	6.0	5.4	4.9	5.1
Primary energy consumption per capita (toe/person)	0.04	0.10	0.11	0.18	0.27	7.2	4.3	2.7	3.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	188	228	219	195	141	1.1	-1.1	-2.1	-1.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	147	180	171	163	108	1.1	-0.4	-2.7	-1.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.78	0.79	0.78	0.84	0.76	0.0	0.6	-0.6	-0.1

Cambodia [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	0.5	1.3	3.4	2.8	5.3	100	100	100	100	100	14.9	-1.8	4.4
Coal	0.0	0.0	0.1	1.0	1.5	0.0	0.0	2.4	35.2	27.4	-	25.6	2.7	11.8
Oil	0.5	1.3	1.4	1.6	3.0	100.0	99.2	42.4	56.3	56.2	8.1	0.8	4.4	2.8
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.4	1.0	0.0	0.3	0.1	14.8	18.8	-	52.4	6.1	23.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	1.9	-0.2	-0.1	0.0	0.5	55.1	-6.4	-2.5	-	-180.7	-2.1	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	0.4	1.0	1.2	2.1	4.2	100	100	100	100	100	9.0	4.8	4.8
Industry	0.0	0.1	0.2	0.5	0.9	0.8	5.2	13.2	23.0	21.5	33.0	10.3	4.3	6.8
Transportation	0.3	0.4	0.4	0.5	0.9	74.3	42.6	30.1	22.0	20.8	2.2	1.9	4.4	3.3
Others	0.1	0.5	0.7	1.1	2.4	24.9	52.2	56.7	54.9	57.7	15.7	4.5	5.1	4.9
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	0.4	1.0	1.2	2.1	4.2	100	100	100	100	100	9.0	4.8	4.8	4.8
Coal	0.0	0.0	0.1	0.3	0.5	0.0	0.0	6.5	15.2	10.8	-	13.3	2.4	6.9
Oil	0.4	0.9	1.0	1.4	2.7	97.5	93.5	81.1	66.1	64.1	7.6	2.9	4.6	3.9
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Electricity	0.0	0.1	0.2	0.3	0.9	2.5	6.5	12.4	16.9	22.1	22.4	7.8	6.7	7.2
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.8	3.0	-	-	-	8.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.9	1.2	7.6	15.9	100	100	100	100	100	13.8	18.3	5.0
Coal	0.0	0.0	0.0	2.3	3.5	0.0	0.0	0.0	30.3	22.0	-	-	2.8	-
Oil	0.2	0.8	1.2	0.5	0.8	100.0	95.0	95.7	6.8	5.0	13.4	-7.0	2.8	-1.5
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	4.8	11.6	0.0	5.0	3.9	62.8	73.0	-	52.3	6.1	23.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	-	0.0	0.0	0.0

Power generation Input	MTOE					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	0.1	0.3	0.4	0.9	1.3	100	100	100	100	100	10.0	6.3	2.8
Coal	0.0	0.0	0.0	0.7	1.0	0.0	0.0	0.0	76.9	76.9	-	-	2.8	-
Oil	0.1	0.3	0.4	0.2	0.3	100.0	100.0	100.0	23.1	23.1	10.0	-7.0	2.8	-1.5
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Thermal Efficiency	%					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	14.7	21.1	22.5	28.3	28.3						3.1	2.1	0.0
Coal	-	-	-	30.0	30.0						-	-	0.0	-
Oil	14.7	21.1	22.5	22.5	22.5						3.1	0.0	0.0	0.0
Natural gas	-	-	-	-	-						-	-	-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1995	2005	2009	2020	2035	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	Total	0.4	1.0	1.3	2.3	3.9						8.9	5.7	3.6

Energy and economic indicators						AAGR(%)			
	1995	2005	2009	2020	2035	1995-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	2.6	5.7	7.3	15.7	41.5	7.7	7.2	6.7
Population (millions of people)	11.2	13.4	14.0	16.8	21.7	1.6	1.7	1.7	1.7
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	0.9	1.9	6.0	5.4	4.9	5.1
Primary energy consumption per capita (toe/person)	0.04	0.10	0.24	0.17	0.24	13.1	-3.4	2.6	0.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	188	228	465	177	128	6.7	-8.4	-2.2	-4.9
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	147	180	171	147	95	1.1	-1.4	-2.9	-2.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.78	0.79	0.37	0.83	0.75	-5.2	7.7	-0.7	2.7

China [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	662.5	1,494.5	2,055.5	3,399.6	5,198.0	100	100	100	100	100	6.1	4.7	2.9
Coal	528.4	1,087.6	1,517.6	2,255.2	3,268.5	79.8	72.8	73.8	66.3	62.9	5.7	3.7	2.5	3.0
Oil	110.2	315.7	379.3	604.4	872.6	16.6	21.1	18.5	17.8	16.8	6.7	4.3	2.5	3.3
Natural gas	12.8	38.8	75.0	223.4	563.9	1.9	2.6	3.7	6.6	10.8	9.8	10.4	6.4	8.1
Nuclear	0.0	13.8	18.3	92.2	170.8	0.0	0.9	0.9	2.7	3.3	-	15.9	4.2	9.0
Hydro	10.9	34.1	52.9	70.6	84.7	1.6	2.3	2.6	2.1	1.6	8.7	2.7	1.2	1.8
Geothermal	0.0	1.2	1.8	0.2	0.6	0.0	0.1	0.1	0.0	0.0	-	-17.7	7.2	-4.2
Others	0.2	3.2	10.6	153.6	236.9	0.0	0.2	0.5	4.5	4.6	23.5	27.5	2.9	12.7

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	462.5	891.7	1,231.9	2,061.7	3,162.2	100	100	100	100	100	5.3	4.8	2.9
Industry	240.6	479.4	679.9	1,076.5	1,633.7	52.0	53.8	55.2	52.2	51.7	5.6	4.3	2.8	3.4
Transportation	37.0	123.4	160.8	326.5	494.5	8.0	13.8	13.1	15.8	15.6	8.0	6.6	2.8	4.4
Others	142.1	203.6	275.1	450.9	724.4	30.7	22.8	22.3	21.9	22.9	3.5	4.6	3.2	3.8
Non-energy	42.8	85.2	116.0	207.8	309.6	9.3	9.6	9.4	10.1	9.8	5.4	5.4	2.7	3.8

Total	462.5	891.7	1,231.9	2,061.7	3,162.2	100	100	100	100	100	5.3	4.8	2.9	3.7
Coal	315.5	376.3	517.2	694.8	947.0	68.2	42.2	42.0	33.7	29.9	2.6	2.7	2.1	2.4
Oil	83.4	268.9	336.4	573.9	854.4	18.0	30.2	27.3	27.8	27.0	7.6	5.0	2.7	3.6
Natural gas	9.0	27.7	50.0	183.0	370.1	1.9	3.1	4.1	8.9	11.7	9.5	12.5	4.8	8.0
Electricity	41.4	171.5	263.5	482.7	787.5	9.0	19.2	21.4	23.4	24.9	10.2	5.7	3.3	4.3
Heat	13.2	43.4	54.6	117.3	185.0	2.9	4.9	4.4	5.7	5.9	7.8	7.2	3.1	4.8
Others	0.0	3.9	10.1	10.0	18.2	0.0	0.4	0.8	0.5	0.6	35.3	-0.1	4.1	2.3

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	621.2	2,499.7	3,695.9	6,636.6	10,718.5	100	100	100	100	100	9.8	5.5	3.2
Coal	442.8	1,971.7	2,913.1	5,029.1	8,010.1	71.3	78.9	78.8	75.8	74.7	10.4	5.1	3.2	4.0
Oil	49.0	61.3	16.5	22.4	21.7	7.9	2.5	0.4	0.3	0.2	-5.6	2.8	-0.2	1.1
Natural gas	2.8	11.9	50.8	119.1	663.7	0.4	0.5	1.4	1.8	6.2	16.6	8.0	12.1	10.4
Nuclear	0.0	53.1	70.1	353.9	655.3	0.0	2.1	1.9	5.3	6.1	-	15.9	4.2	9.0
Hydro	126.7	397.0	615.6	821.3	984.5	20.4	15.9	16.7	12.4	9.2	8.7	2.7	1.2	1.8
Geothermal	0.0	0.1	0.2	0.2	0.7	0.0	0.0	0.0	0.0	0.0	-	4.4	7.2	6.0
Others	0.0	4.5	29.6	290.7	382.6	0.0	0.2	0.8	4.4	3.6	59.8	23.1	1.8	10.3

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	144.8	545.6	752.0	1,167.5	1,811.5	100	100	100	100	100	9.1	4.1	3.0
Coal	131.8	527.6	736.7	1,138.2	1,680.2	91.0	96.7	98.0	97.5	92.7	9.5	4.0	2.6	3.2
Oil	12.4	15.4	4.1	5.0	4.6	8.5	2.8	0.5	0.4	0.3	-5.7	1.8	-0.6	0.4
Natural gas	0.6	2.6	11.2	24.4	126.8	0.4	0.5	1.5	2.1	7.0	16.6	7.3	11.6	9.8

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	29.4	32.2	34.1	38.1	41.3						0.8	1.0	0.5
Coal	28.9	32.1	34.0	38.0	41.0						0.9	1.0	0.5	0.7
Oil	34.0	34.2	34.8	38.8	41.0						0.1	1.0	0.4	0.6
Natural gas	38.9	38.9	38.9	42.0	45.0						0.0	0.7	0.5	0.6

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	631.7	1,384.4	1,901.4	2,898.0	4,339.7						6.0	3.9	2.7

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	444.6	1,908.8	2,940.2	6,034.8	13,663.1	10.5	6.8	5.6
Population (millions of people)	1,135.2	1,303.7	1,331.5	1,387.8	1,381.6	0.8	0.4	0.0	0.1
GDP per capita (thousands of 2000 USD/person)	0.4	1.5	2.2	4.3	9.9	9.5	6.4	5.6	5.9
Primary energy consumption per capita (toe/person)	0.58	1.15	1.54	2.45	3.76	5.3	4.3	2.9	3.5
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	1,490	783	699	563	380	-3.9	-1.9	-2.6	-2.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	1,421	725	647	480	318	-4.1	-2.7	-2.7	-2.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.95	0.93	0.93	0.85	0.83	-0.2	-0.7	-0.1	-0.4
Automobile ownership volume (millions of vehicles)	5.51	31.60	63.07	146.44	263.73	13.7	8.0	4.0	5.7
Automobile ownership volume per capita (vehicles per person)	0.00	0.05	0.05	0.11	0.19	12.7	7.6	4.0	5.5

China [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	662.5	1,494.5	2,055.5	3,119.8	3,944.0	100	100	100	100	100	6.1	3.9	1.6
Coal	528.4	1,087.6	1,517.6	1,951.5	2,287.1	79.8	72.8	73.8	62.6	58.0	5.7	2.3	1.1	1.6
Oil	110.2	315.7	379.3	567.1	612.7	16.6	21.1	18.5	18.2	15.5	6.7	3.7	0.5	1.9
Natural gas	12.8	38.8	75.0	188.1	372.6	1.9	2.6	3.7	6.0	9.4	9.8	8.7	4.7	6.4
Nuclear	0.0	13.8	18.3	155.1	252.0	0.0	0.9	0.9	5.0	6.4	-	21.5	3.3	10.6
Hydro	10.9	34.1	52.9	70.6	86.8	1.6	2.3	2.6	2.3	2.2	8.7	2.7	1.4	1.9
Geothermal	0.0	1.2	1.8	0.2	0.6	0.0	0.1	0.1	0.0	0.0	-	-17.7	7.2	-4.2
Others	0.2	3.2	10.6	187.3	332.3	0.0	0.2	0.5	6.0	8.4	23.5	29.8	3.9	14.2

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	462.5	891.7	1,231.9	1,932.4	2,493.9	100	100	100	100	100	5.3	4.2	1.7
Industry	240.6	479.4	679.9	1,016.0	1,316.5	52.0	53.8	55.2	52.6	52.8	5.6	3.7	1.7	2.6
Transportation	37.0	123.4	160.8	311.3	365.6	8.0	13.8	13.1	16.1	14.7	8.0	6.2	1.1	3.2
Others	142.1	203.6	275.1	399.7	521.2	30.7	22.8	22.3	20.7	20.9	3.5	3.5	1.8	2.5
Non-energy	42.8	85.2	116.0	205.4	290.6	9.3	9.6	9.4	10.6	11.7	5.4	5.3	2.3	3.6
Total	462.5	891.7	1,231.9	1,932.4	2,493.9	100	100	100	100	100	5.3	4.2	1.7	2.7
Coal	315.5	376.3	517.2	655.1	786.1	68.2	42.2	42.0	33.9	31.5	2.6	2.2	1.2	1.6
Oil	83.4	268.9	336.4	542.1	641.2	18.0	30.2	27.3	28.1	25.7	7.6	4.4	1.1	2.5
Natural gas	9.0	27.7	50.0	160.7	265.8	1.9	3.1	4.1	8.3	10.7	9.5	11.2	3.4	6.6
Electricity	41.4	171.5	263.5	450.8	620.7	9.0	19.2	21.4	23.3	24.9	10.2	5.0	2.2	3.4
Heat	13.2	43.4	54.6	110.7	147.0	2.9	4.9	4.4	5.7	5.9	7.8	6.6	1.9	3.9
Others	0.0	3.9	10.1	13.0	33.2	0.0	0.4	0.8	0.7	1.3	35.3	2.3	6.5	4.7

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	621.2	2,499.7	3,695.9	6,177.9	8,191.3	100	100	100	100	100	9.8	4.8	1.9
Coal	442.8	1,971.7	2,913.1	4,261.8	5,186.6	71.3	78.9	78.8	69.0	63.3	10.4	3.5	1.3	2.2
Oil	49.0	61.3	16.5	22.4	21.7	7.9	2.5	0.4	0.4	0.3	-5.6	2.8	-0.2	1.1
Natural gas	2.8	11.9	50.8	100.3	426.1	0.4	0.5	1.4	1.6	5.2	16.6	6.4	10.1	8.5
Nuclear	0.0	53.1	70.1	595.0	966.8	0.0	2.1	1.9	9.6	11.8	-	21.5	3.3	10.6
Hydro	126.7	397.0	615.6	821.3	1,009.2	20.4	15.9	16.7	13.3	12.3	8.7	2.7	1.4	1.9
Geothermal	0.0	0.1	0.2	0.2	0.7	0.0	0.0	0.0	0.0	0.0	-	4.4	7.2	6.0
Others	0.0	4.5	29.6	376.9	580.2	0.0	0.2	0.8	6.1	7.1	59.8	26.0	2.9	12.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	144.8	545.6	752.0	929.3	1,047.0	100	100	100	100	100	9.1	1.9	0.8
Coal	131.8	527.6	736.7	905.3	969.7	91.0	96.7	98.0	97.4	92.6	9.5	1.9	0.5	1.1
Oil	12.4	15.4	4.1	4.5	4.0	8.5	2.8	0.5	0.5	0.4	-5.7	1.0	-0.8	-0.1
Natural gas	0.6	2.6	11.2	19.4	73.3	0.4	0.5	1.5	2.1	7.0	16.6	5.1	9.3	7.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	29.4	32.2	34.1	40.6	46.3						0.8	1.6	0.9
Coal	28.9	32.1	34.0	40.5	46.0						0.9	1.6	0.9	1.2
Oil	34.0	34.2	34.8	42.5	46.5						0.1	1.8	0.6	1.1
Natural gas	38.9	38.9	38.9	44.4	50.0						0.0	1.2	0.8	1.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	631.7	1,384.4	1,901.4	2,519.1	2,942.9						6.0	2.6	1.0

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	444.6	1,908.8	2,940.2	6,034.8	13,663.1	10.5	6.8	5.6
Population (millions of people)	1,135.2	1,303.7	1,331.5	1,387.8	1,381.6	0.8	0.4	0.0	0.1
GDP per capita (thousands of 2000 USD/person)	0.4	1.5	2.2	4.3	9.9	9.5	6.4	5.6	5.9
Primary energy consumption per capita (toe/person)	0.58	1.15	1.54	2.25	2.85	5.3	3.5	1.6	2.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	1,490	783	699	517	289	-3.9	-2.7	-3.8	-3.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	1,421	725	647	417	215	-4.1	-3.9	-4.3	-4.1
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.95	0.93	0.93	0.81	0.75	-0.2	-1.2	-0.5	-0.8
Automobile ownership volume (millions of vehicles)	5.51	31.60	63.07	153.44	239.05	13.7	8.4	3.0	5.3
Automobile ownership volume per capita (vehicles per person)	0.00	0.05	0.05	0.11	0.17	12.7	8.0	3.0	5.1

India [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	183.3	381.0	511.6	866.6	1,873.9	100	100	100	100	100	5.6	4.9	5.3
Coal	103.4	207.5	285.4	476.1	1,056.4	56.4	54.5	55.8	54.9	56.4	5.5	4.8	5.5	5.2
Oil	61.4	126.4	159.4	240.5	471.0	33.5	33.2	31.2	27.7	25.1	5.1	3.8	4.6	4.3
Natural gas	10.6	31.7	48.9	93.7	243.0	5.8	8.3	9.6	10.8	13.0	8.4	6.1	6.6	6.4
Nuclear	1.6	4.5	4.9	28.1	55.5	0.9	1.2	0.9	3.2	3.0	6.0	17.3	4.6	9.8
Hydro	6.2	8.7	9.2	16.4	23.8	3.4	2.3	1.8	1.9	1.3	2.1	5.4	2.5	3.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	2.0	3.9	11.8	24.1	0.1	0.5	0.8	1.4	1.3	19.6	10.6	4.9	7.3

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	118.2	201.3	285.2	457.6	969.8	100	100	100	100	100	4.7	4.4	5.1
Industry	47.8	77.9	107.5	167.7	348.3	40.4	38.7	37.7	36.6	35.9	4.4	4.1	5.0	4.6
Transportation	27.1	34.8	51.5	86.5	193.8	22.9	17.3	18.1	18.9	20.0	3.4	4.8	5.5	5.2
Others	31.7	56.6	87.3	140.1	305.4	26.8	28.1	30.6	30.6	31.5	5.5	4.4	5.3	4.9
Non-energy	11.7	32.0	38.9	63.3	122.4	9.9	15.9	13.6	13.8	12.6	6.5	4.5	4.5	4.5

Sector	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	118.2	201.3	285.2	457.6	969.8	100	100	100	100	100	4.7	4.4	5.1
Coal	41.8	42.7	74.2	90.8	126.0	35.4	21.2	26.0	19.8	13.0	3.1	1.9	2.2	2.1
Oil	52.6	102.9	129.0	210.6	426.7	44.5	51.1	45.2	46.0	44.0	4.8	4.6	4.8	4.7
Natural gas	5.6	14.9	21.2	31.4	55.6	4.8	7.4	7.4	6.9	5.7	7.2	3.6	3.9	3.8
Electricity	18.2	40.5	60.4	123.5	357.5	15.4	20.1	21.2	27.0	36.9	6.5	6.7	7.3	7.1
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.2	0.4	1.3	4.0	0.0	0.1	0.2	0.3	0.4	23.6	10.6	7.7	8.9

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	289.4	698.2	899.5	2,014.4	5,499.2	100	100	100	100	100	6.1	7.6	6.9
Coal	191.6	480.9	616.6	1,310.7	3,897.1	66.2	68.9	68.5	65.1	70.9	6.3	7.1	7.5	7.3
Oil	10.0	28.3	26.1	47.4	100.3	3.5	4.0	2.9	2.4	1.8	5.2	5.6	5.1	5.3
Natural gas	10.0	61.5	111.2	274.0	857.9	3.4	8.8	12.4	13.6	15.6	13.5	8.5	7.9	8.2
Nuclear	6.1	17.3	18.6	108.0	213.1	2.1	2.5	2.1	5.4	3.9	6.0	17.3	4.6	9.8
Hydro	71.7	101.7	106.9	190.8	276.3	24.8	14.6	11.9	9.5	5.0	2.1	5.4	2.5	3.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	8.5	20.1	83.6	154.5	0.0	1.2	2.2	4.1	2.8	40.4	13.8	4.2	8.2

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	62.6	172.8	232.4	433.2	1,087.5	100	100	100	100	100	7.1	5.8	6.3
Coal	55.6	152.1	198.3	365.7	894.4	88.7	88.0	85.3	84.4	82.2	6.9	5.7	6.1	6.0
Oil	3.6	8.0	10.8	12.5	24.5	5.7	4.6	4.7	2.9	2.3	6.0	1.3	4.6	3.2
Natural gas	3.5	12.6	23.2	55.0	168.6	5.5	7.3	10.0	12.7	15.5	10.5	8.2	7.7	7.9

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	29.1	28.4	27.9	32.4	38.4						-0.2	1.4	1.1
Coal	29.6	27.2	26.7	30.8	37.5						-0.5	1.3	1.3	1.3
Oil	24.1	30.3	20.7	32.7	35.2						-0.8	4.2	0.5	2.1
Natural gas	24.7	41.9	41.2	42.8	43.7						2.7	0.3	0.1	0.2

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	161.1	325.0	442.9	725.5	1,593.0						5.5	4.6	5.4

Energy and economic indicators											AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	270.5	644.5	866.7	2,147.8	6,813.2						6.3	8.6	8.0
Population (millions of people)	849.5	1,094.6	1,155.3	1,319.9	1,485.2						1.6	1.2	0.8	1.0
GDP per capita (thousands of 2000 USD/person)	0.3	0.6	0.8	1.6	4.6						4.6	7.3	7.2	7.2
Primary energy consumption per capita (toe/person)	0.22	0.35	0.44	0.66	1.26						3.9	3.6	4.5	4.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	678	591	590	403	275						-0.7	-3.4	-2.5	-2.9
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	596	504	511	338	234						-0.8	-3.7	-2.4	-3.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.88	0.85	0.87	0.84	0.85						-0.1	-0.3	0.1	-0.1
Automobile ownership volume (millions of vehicles)	4	15	19	48	158						8.2	8.7	8.2	8.4
Automobile ownership volume per capita (vehicles per person)	0.01	0.02	0.02	0.04	0.11						6.4	7.4	7.4	7.4

India [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	183.3	381.0	511.6	776.4	1,436.4	100	100	100	100	100	5.6	3.9	4.2
Coal	103.4	207.5	285.4	394.8	663.9	56.4	54.5	55.8	50.8	46.2	5.5	3.0	3.5	3.3
Oil	61.4	126.4	159.4	226.3	385.7	33.5	33.2	31.2	29.1	26.9	5.1	3.2	3.6	3.5
Natural gas	10.6	31.7	48.9	82.8	205.9	5.8	8.3	9.6	10.7	14.3	8.4	4.9	6.3	5.7
Nuclear	1.6	4.5	4.9	41.1	115.6	0.9	1.2	0.9	5.3	8.0	6.0	21.4	7.1	13.0
Hydro	6.2	8.7	9.2	16.4	23.8	3.4	2.3	1.8	2.1	1.7	2.1	5.4	2.5	3.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	2.0	3.9	15.0	41.6	0.1	0.5	0.8	1.9	2.9	19.6	13.1	7.0	9.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	118.2	201.3	285.2	437.8	857.1	100	100	100	100	100	4.7	4.0	4.6
Industry	47.8	77.9	107.5	159.3	328.8	40.4	38.7	37.7	36.4	38.4	4.4	3.6	4.9	4.4
Transportation	27.1	34.8	51.5	75.5	136.4	22.9	17.3	18.1	17.2	15.9	3.4	3.5	4.0	3.8
Others	31.7	56.6	87.3	142.2	278.8	26.8	28.1	30.6	32.5	32.5	5.5	4.5	4.6	4.6
Non-energy	11.7	32.0	38.9	60.8	113.2	9.9	15.9	13.6	13.9	13.2	6.5	4.2	4.2	4.2
Total	118.2	201.3	285.2	437.8	857.1	100	100	100	100	100	4.7	4.0	4.6	4.3
Coal	41.8	42.7	74.2	90.9	135.2	35.4	21.2	26.0	20.8	15.8	3.1	1.9	2.7	2.3
Oil	52.6	102.9	129.0	199.1	352.0	44.5	51.1	45.2	45.5	41.1	4.8	4.0	3.9	3.9
Natural gas	5.6	14.9	21.2	29.9	50.1	4.8	7.4	7.4	6.8	5.8	7.2	3.2	3.5	3.4
Electricity	18.2	40.5	60.4	115.9	314.0	15.4	20.1	21.2	26.5	36.6	6.5	6.1	6.9	6.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.2	0.4	2.0	5.8	0.0	0.1	0.2	0.5	0.7	23.6	14.8	7.4	10.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	289.4	698.2	899.5	1,825.2	4,479.7	100	100	100	100	100	6.1	6.6	6.2
Coal	191.6	480.9	616.6	1,081.8	2,522.0	66.2	68.9	68.5	59.3	56.3	6.3	5.2	5.8	5.6
Oil	10.0	28.3	26.1	37.6	60.5	3.5	4.0	2.9	2.1	1.3	5.2	3.4	3.2	3.3
Natural gas	10.0	61.5	111.2	254.1	858.1	3.4	8.8	12.4	13.9	19.2	13.5	7.8	8.5	8.2
Nuclear	6.1	17.3	18.6	157.6	443.6	2.1	2.5	2.1	8.6	9.9	6.0	21.4	7.1	13.0
Hydro	71.7	101.7	106.9	190.8	276.3	24.8	14.6	11.9	10.5	6.2	2.1	5.4	2.5	3.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	8.5	20.1	103.3	319.2	0.0	1.2	2.2	5.7	7.1	40.4	16.0	7.8	11.2

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	62.6	172.8	232.4	343.4	655.4	100	100	100	100	100	7.1	3.6	4.4
Coal	55.6	152.1	198.3	287.1	500.8	88.7	88.0	85.3	83.6	76.4	6.9	3.4	3.8	3.6
Oil	3.6	8.0	10.8	9.9	14.8	5.7	4.6	4.7	2.9	2.3	6.0	-0.8	2.7	1.2
Natural gas	3.5	12.6	23.2	46.5	139.8	5.5	7.3	10.0	13.5	21.3	10.5	6.5	7.6	7.2

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	29.1	28.4	27.9	34.4	45.1						-0.2	1.9	1.8
Coal	29.6	27.2	26.7	32.4	43.3						-0.5	1.8	2.0	1.9
Oil	24.1	30.3	20.7	32.7	35.2						-0.8	4.2	0.5	2.1
Natural gas	24.7	41.9	41.2	47.0	52.8						2.7	1.2	0.8	1.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	161.1	325.0	442.9	620.8	1,081.0						5.5	3.1	3.8

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	270.5	644.5	866.7	2,147.8	6,813.2	6.3	8.6	8.0
Population (millions of people)	849.5	1,094.6	1,155.3	1,319.9	1,485.2	1.6	1.2	0.8	1.0
GDP per capita (thousands of 2000 USD/person)	0.3	0.6	0.8	1.6	4.6	4.6	7.3	7.2	7.2
Primary energy consumption per capita (toe/person)	0.22	0.35	0.44	0.59	0.97	3.9	2.6	3.4	3.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	678	591	590	361	211	-0.7	-4.4	-3.5	-3.9
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	596	504	511	289	159	-0.8	-5.0	-3.9	-4.4
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.88	0.85	0.87	0.80	0.75	-0.1	-0.7	-0.4	-0.5
Automobile ownership volume (millions of vehicles)	4.32	15.38	19.19	48.23	157.96	8.2	8.7	8.2	8.4
Automobile ownership volume per capita (vehicles per person)	0.01	0.02	0.02	0.04	0.11	6.4	7.4	7.4	7.4

Indonesia [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	58.1	135.1	154.0	323.7	843.4	100	100	100	100	100	5.3	7.0	6.6
Coal	3.9	25.4	37.0	80.5	253.6	6.7	18.8	24.0	24.9	30.1	12.6	7.3	7.9	7.7
Oil	34.2	66.2	67.6	109.2	284.5	58.9	49.0	43.9	33.7	33.7	3.7	4.4	6.6	5.7
Natural gas	18.5	30.6	24.8	61.1	149.4	31.8	22.6	16.1	18.9	17.7	1.6	8.5	6.1	7.2
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.6	0.9	1.0	6.3	13.9	1.0	0.7	0.6	1.9	1.6	2.6	18.4	5.4	10.7
Geothermal	0.9	5.7	16.0	50.1	85.9	1.5	4.2	10.4	15.5	10.2	16.3	10.9	3.7	6.7
Others	0.0	6.3	7.6	16.6	56.2	0.0	4.7	4.9	5.1	6.7	-	7.3	8.5	8.0

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	45.3	90.8	110.2	228.6	648.8	100	100	100	100	100	4.8	6.9	7.2
Industry	16.7	34.4	52.6	110.5	309.1	36.9	37.9	47.7	48.3	47.6	6.2	7.0	7.1	7.0
Transportation	11.0	25.7	31.4	69.8	209.0	24.3	28.4	28.5	30.5	32.2	5.7	7.5	7.6	7.6
Others	9.8	19.0	18.8	34.7	92.2	21.6	21.0	17.0	15.2	14.2	3.5	5.7	6.7	6.3
Non-energy	7.8	11.5	7.4	13.6	38.4	17.2	12.7	6.7	6.0	5.9	-0.3	5.7	7.1	6.5
Total	45.4	90.8	110.2	228.6	648.8	100	100	100	100	100	4.8	6.9	7.2	7.1
Coal	0.6	9.5	19.8	51.7	157.5	1.3	10.5	17.9	22.6	24.3	20.2	9.1	7.7	8.3
Oil	28.4	52.0	55.7	98.0	274.9	62.6	57.3	50.6	42.9	42.4	3.6	5.3	7.1	6.3
Natural gas	7.4	12.5	16.3	35.2	99.3	16.3	13.8	14.8	15.4	15.3	4.2	7.3	7.2	7.2
Electricity	2.3	9.2	11.6	31.0	84.2	5.1	10.1	10.5	13.5	13.0	8.9	9.4	6.9	7.9
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	6.7	7.5	6.9	12.8	32.9	14.8	8.3	6.2	5.6	5.1	0.1	5.8	6.5	6.2

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	33.3	127.4	155.5	393.6	894.7	100	100	100	100	100	8.4	8.8	5.6
Coal	10.5	51.8	65.0	107.8	355.9	31.5	40.7	41.8	27.4	39.8	10.1	4.7	8.3	6.8
Oil	14.2	38.9	35.5	25.6	19.7	42.6	30.5	22.8	6.5	2.2	4.9	-2.9	-1.7	-2.2
Natural gas	0.8	19.3	34.4	104.4	202.3	2.4	15.1	22.1	26.5	22.6	21.9	10.6	4.5	7.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	6.7	10.8	11.4	73.1	161.2	20.1	8.5	7.3	18.6	18.0	2.8	18.4	5.4	10.7
Geothermal	1.1	6.6	9.3	58.3	99.9	3.3	5.2	6.0	14.8	11.2	11.9	18.2	3.7	9.6
Others	0.0	0.0	0.0	24.4	55.7	0.0	0.0	0.0	6.2	6.2	-	-	5.7	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	6.8	25.6	35.5	61.9	151.8	100	100	100	100	100	9.1	5.2	6.2
Coal	2.7	13.5	17.6	29.2	96.4	39.7	52.7	49.6	47.2	63.5	10.4	4.7	8.3	6.8
Oil	3.8	8.6	9.4	6.8	5.2	55.9	33.6	26.4	11.0	3.4	4.9	-2.9	-1.7	-2.2
Natural gas	0.3	3.5	8.5	25.9	50.1	4.4	13.7	24.0	41.8	33.0	19.3	10.6	4.5	7.1

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	32.3	37.0	32.6	33.1	32.7						0.1	0.1	-0.1
Coal	33.4	33.0	31.7	31.7	31.7						-0.3	0.0	0.0	0.0
Oil	32.1	38.9	32.5	32.5	32.5						0.1	0.0	0.0	0.0
Natural gas	22.9	47.4	34.7	34.7	34.7						2.2	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	41.6	90.6	106.9	206.3	573.0						5.1	6.2	7.0

Energy and economic indicators											AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	109.2	207.9	258.6	556.7	1,685.8						4.6	7.2	7.7
Population (millions of people)	178.2	220.6	231.4	261.1	291.3						1.4	1.1	0.7	0.9
GDP per capita (thousands of 2000 USD/person)	0.6	0.9	1.1	2.1	5.8						3.2	6.0	6.9	6.5
Primary energy consumption per capita (toe/person)	0.33	0.61	0.67	1.24	2.89						3.8	5.8	5.8	5.8
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	532	650	596	581	500						0.6	-0.2	-1.0	-0.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	381	436	414	371	340						0.4	-1.0	-0.6	-0.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.67	0.69	0.64	0.68						-0.2	-0.8	0.4	-0.1

Indonesia [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	58.1	135.1	154.0	274.3	658.8	100	100	100	100	100	5.3	5.4	6.0
Coal	3.9	25.4	37.0	60.6	183.0	6.7	18.8	24.0	22.1	27.8	12.6	4.6	7.6	6.3
Oil	34.2	66.2	67.6	98.4	229.3	58.9	49.0	43.9	35.9	34.8	3.7	3.5	5.8	4.8
Natural gas	18.5	30.6	24.8	46.0	110.3	31.8	22.6	16.1	16.8	16.7	1.6	5.8	6.0	5.9
Nuclear	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.4	-	-	-	-
Hydro	0.6	0.9	1.0	6.3	13.9	1.0	0.7	0.6	2.3	2.1	2.6	18.4	5.4	10.7
Geothermal	0.9	5.7	16.0	50.1	85.9	1.5	4.2	10.4	18.3	13.0	16.3	10.9	3.7	6.7
Others	0.0	6.3	7.6	13.0	34.0	0.0	4.7	4.9	4.7	5.2	-	5.0	6.7	5.9

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	45.3	90.8	110.2	197.3	522.0	100	100	100	100	100	4.8	5.4	6.7
Industry	16.7	34.4	52.6	94.0	247.3	36.9	37.9	47.7	47.6	47.4	6.2	5.4	6.7	6.1
Transportation	11.0	25.7	31.4	58.9	159.2	24.3	28.4	28.5	29.8	30.5	5.7	5.9	6.9	6.4
Others	9.8	19.0	18.8	30.8	77.1	21.6	21.0	17.1	15.6	14.8	3.5	4.6	6.3	5.6
Non-energy	7.8	11.5	7.4	13.6	38.4	17.2	12.7	6.7	6.9	7.4	-0.3	5.7	7.1	6.5
Total	45.4	90.8	110.2	197.3	522.0	100	100	100	100	100	4.8	5.4	6.7	6.2
Coal	0.6	9.5	19.8	43.9	126.0	1.3	10.5	17.9	22.3	24.1	20.2	7.5	7.3	7.4
Oil	28.4	52.0	55.7	84.7	219.7	62.6	57.3	50.6	42.9	42.1	3.6	3.9	6.6	5.4
Natural gas	7.4	12.5	16.3	31.1	83.6	16.3	13.8	14.8	15.7	16.0	4.2	6.0	6.8	6.5
Electricity	2.3	9.2	11.6	27.1	69.0	5.1	10.1	10.5	13.8	13.2	8.9	8.1	6.4	7.1
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	6.7	7.5	6.9	10.5	23.7	14.8	8.3	6.2	5.3	4.5	0.1	3.9	5.6	4.9

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	33.3	127.4	155.5	353.2	826.2	100	100	100	100	100	8.4	7.7	5.8
Coal	10.5	51.8	65.0	89.4	299.9	31.5	40.7	41.8	25.3	36.3	10.1	2.9	8.4	6.1
Oil	14.2	38.9	35.5	25.6	19.7	42.6	30.5	22.8	7.3	2.4	4.9	-2.9	-1.7	-2.2
Natural gas	0.8	19.3	34.4	86.6	170.5	2.4	15.1	22.1	24.5	20.6	21.9	8.8	4.6	6.4
Nuclear	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	3.4	-	-	-	-
Hydro	6.7	10.8	11.4	73.1	161.2	20.1	8.5	7.3	20.7	19.5	2.8	18.4	5.4	10.7
Geothermal	1.1	6.6	9.3	58.3	99.9	3.3	5.2	6.0	16.5	12.1	11.9	18.2	3.7	9.6
Others	0.0	0.0	0.0	20.2	47.0	0.0	0.0	0.0	5.7	5.7	-	-	5.8	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	6.8	25.6	35.5	38.8	89.2	100	100	100	100	100	9.1	0.8	5.7
Coal	2.7	13.5	17.6	17.1	57.3	39.7	52.7	49.6	44.1	64.3	10.4	-0.3	8.4	4.6
Oil	3.8	8.6	9.4	6.8	5.2	55.9	33.6	26.4	17.5	5.9	4.9	-2.9	-1.7	-2.2
Natural gas	0.3	3.5	8.5	14.9	26.7	4.4	13.7	24.0	38.4	29.9	19.3	5.2	4.0	4.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	32.3	37.0	32.6	44.7	47.3						0.1	2.9	0.4
Coal	33.4	33.0	31.7	45.0	45.0						-0.3	3.2	0.0	1.4
Oil	32.1	38.9	32.5	32.5	32.5						0.1	0.0	0.0	0.0
Natural gas	22.9	47.4	34.7	50.0	55.0						2.2	3.4	0.6	1.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	41.6	90.6	106.9	164.5	427.7						5.1	4.0	6.6

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	109.2	207.9	258.6	556.7	1,685.8	4.6	7.2	7.7
Population (millions of people)	178.2	220.6	231.4	261.1	291.3	1.4	1.1	0.7	0.9
GDP per capita (thousands of 2000 USD/person)	0.6	0.9	1.1	2.1	5.8	3.2	6.0	6.9	6.5
Primary energy consumption per capita (toe/person)	0.33	0.61	0.67	1.05	2.26	3.8	4.2	5.2	4.8
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	532	650	596	493	391	0.6	-1.7	-1.5	-1.6
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	381	436	414	296	254	0.4	-3.0	-1.0	-1.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.67	0.69	0.60	0.65	-0.2	-1.3	0.5	-0.3

Japan [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	436.6	517.8	469.5	491.3	435.9	100	100	100	100	100	0.4	0.4	-0.8
Coal	76.6	109.9	101.3	120.5	118.7	17.5	21.2	21.6	24.5	27.2	1.5	1.6	-0.1	0.6
Oil	250.4	243.2	200.4	179.9	146.2	57.4	47.0	42.7	36.6	33.6	-1.2	-1.0	-1.4	-1.2
Natural gas	44.2	70.6	80.7	110.7	125.3	10.1	13.6	17.2	22.5	28.7	3.2	2.9	0.8	1.7
Nuclear	52.7	79.4	72.9	62.2	23.8	12.1	15.3	15.5	12.7	5.5	1.7	-1.4	-6.2	-4.2
Hydro	7.7	6.6	6.5	7.4	7.5	1.8	1.3	1.4	1.5	1.7	-0.9	1.2	0.1	0.6
Geothermal	1.6	3.0	2.7	3.0	3.0	0.4	0.6	0.6	0.6	0.7	2.8	1.1	0.0	0.5
Others	3.4	5.1	5.1	7.6	11.4	0.8	1.0	1.1	1.5	2.6	2.1	3.8	2.7	3.2

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	300.1	346.9	313.6	324.8	297.0	100	100	100	100	100	0.2	0.3	-0.6
Industry	102.8	97.1	82.1	99.8	91.8	34.3	28.0	26.2	30.7	30.9	-1.2	1.8	-0.6	0.4
Transportation	71.8	84.4	76.1	67.2	54.2	23.9	24.3	24.3	20.7	18.3	0.3	-1.1	-1.4	-1.3
Others	90.9	123.0	115.4	121.7	116.9	30.3	35.5	36.8	37.5	39.4	1.3	0.5	-0.3	0.1
Non-energy	34.5	42.4	40.0	36.1	34.0	11.5	12.2	12.8	11.1	11.5	0.8	-0.9	-0.4	-0.6

Total	300.1	346.9	313.7	324.7	296.9	100	100	100	100	100	0.2	0.3	-0.6	-0.2
Coal	32.3	29.7	25.8	29.1	25.2	10.8	8.6	8.2	9.0	8.5	-1.2	1.1	-1.0	-0.1
Oil	184.0	200.4	171.6	148.6	119.2	61.3	57.8	54.7	45.8	40.1	-0.4	-1.3	-1.5	-1.4
Natural gas	15.2	28.7	32.2	42.9	39.8	5.1	8.3	10.3	13.2	13.4	4.0	2.6	-0.5	0.8
Electricity	64.5	84.1	80.3	96.6	102.5	21.5	24.2	25.6	29.7	34.5	1.2	1.7	0.4	0.9
Heat	0.2	0.6	0.6	3.3	6.3	0.1	0.2	0.2	1.0	2.1	5.5	17.6	4.3	9.8
Others	3.9	3.4	3.1	4.3	4.1	1.3	1.0	1.0	1.3	1.4	-1.1	2.8	-0.3	1.0

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	835.5	1,089.9	1,041.0	1,249.0	1,323.8	100	100	100	100	100	1.2	1.7	0.4
Coal	116.7	303.6	279.5	373.9	422.0	14.0	27.9	26.8	29.9	31.9	4.7	2.7	0.8	1.6
Oil	247.9	137.5	91.6	105.0	82.0	29.7	12.6	8.8	8.4	6.2	-5.1	1.2	-1.6	-0.4
Natural gas	167.1	239.0	284.9	401.2	556.1	20.0	21.9	27.4	32.1	42.0	2.8	3.2	2.2	2.6
Nuclear	202.3	304.8	279.8	238.7	91.4	24.2	28.0	26.9	19.1	6.9	1.7	-1.4	-6.2	-4.2
Hydro	89.3	76.5	75.2	85.9	86.8	10.7	7.0	7.2	6.9	6.6	-0.9	1.2	0.1	0.6
Geothermal	1.7	3.2	2.9	3.3	3.3	0.2	0.3	0.3	0.3	0.2	2.7	1.2	0.0	0.5
Others	10.5	25.3	27.1	41.1	82.2	1.3	2.3	2.6	3.3	6.2	5.1	3.8	4.7	4.4

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	109.3	134.2	126.7	165.0	183.2	100	100	100	100	100	0.8	2.4	0.7
Coal	25.4	62.8	58.1	74.5	79.4	23.2	46.8	45.9	45.2	43.3	4.5	2.3	0.4	1.2
Oil	50.6	27.2	16.8	19.3	15.1	46.3	20.3	13.3	11.7	8.2	-5.6	1.3	-1.6	-0.4
Natural gas	33.3	44.2	51.8	71.2	88.8	30.5	32.9	40.9	43.2	48.5	2.4	2.9	1.5	2.1

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	41.9	43.6	44.5	45.9	49.8						0.3	0.3	0.5
Coal	39.5	41.6	41.3	43.2	45.7						0.2	0.4	0.4	0.4
Oil	42.1	43.4	46.9	46.8	46.8						0.6	0.0	0.0	0.0
Natural gas	43.2	46.5	47.3	48.5	53.8						0.5	0.2	0.7	0.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	291.7	332.0	295.4	327.6	307.9						0.1	0.9	-0.4

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	4,150.3	4,979.6	4,814.8	5,953.4	6,954.4	0.8	1.9	1.0
Population (millions of people)	123.5	127.8	127.6	122.9	110.8	0.2	-0.3	-0.7	-0.5
GDP per capita (thousands of 2000 USD/person)	33.6	39.0	37.7	48.5	62.8	0.6	2.3	1.7	2.0
Primary energy consumption per capita (toe/person)	3.53	4.05	3.68	4.00	3.93	0.2	0.8	-0.1	0.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	105	104	98	83	63	-0.4	-1.5	-1.8	-1.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	70	67	61	55	44	-0.7	-1.0	-1.4	-1.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.67	0.64	0.63	0.67	0.71	-0.3	0.5	0.4	0.4
Automobile ownership volume (millions of vehicles)	56.49	75.69	73.81	71.97	66.53	1.4	-0.2	-0.5	-0.4
Automobile ownership volume per capita (vehicles per person)	0.46	0.58	0.58	0.59	0.60	1.2	0.1	0.2	0.1

Japan [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	436.6	517.8	469.5	474.8	422.5	100	100	100	100	100	0.4	0.1	-0.8
Coal	76.6	109.9	101.3	97.8	72.4	17.5	21.2	21.6	20.6	17.1	1.5	-0.3	-2.0	-1.3
Oil	250.4	243.2	200.4	167.1	119.3	57.4	47.0	42.7	35.2	28.2	-1.2	-1.6	-2.2	-2.0
Natural gas	44.2	70.6	80.7	86.7	68.1	10.1	13.6	17.2	18.3	16.1	3.2	0.7	-1.6	-0.6
Nuclear	52.7	79.4	72.9	78.1	73.6	12.1	15.3	15.5	16.5	17.4	1.7	0.6	-0.4	0.0
Hydro	7.7	6.6	6.5	7.4	7.5	1.8	1.3	1.4	1.6	1.8	-0.9	1.2	0.1	0.6
Geothermal	1.6	3.0	2.7	24.0	55.7	0.4	0.6	0.6	5.1	13.2	2.8	22.0	5.8	12.4
Others	3.4	5.1	5.1	13.7	25.9	0.8	1.0	1.1	2.9	6.1	2.1	9.5	4.3	6.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	300.1	346.9	313.6	308.0	258.5	100	100	100	100	100	0.2	-0.2	-1.2
Industry	102.8	97.1	82.1	97.8	87.6	34.3	28.0	26.2	31.8	33.9	-1.2	1.6	-0.7	0.2
Transportation	71.8	84.4	76.1	63.1	43.7	23.9	24.3	24.3	20.5	16.9	0.3	-1.7	-2.4	-2.1
Others	90.9	123.0	115.4	110.9	93.2	30.3	35.5	36.8	36.0	36.1	1.3	-0.4	-1.2	-0.8
Non-energy	34.5	42.4	40.0	36.1	34.0	11.5	12.2	12.8	11.7	13.2	0.8	-0.9	-0.4	-0.6
Total	300.1	346.9	313.7	308.0	258.5	100	100	100	100	100	0.2	-0.2	-1.2	-0.7
Coal	32.3	29.7	25.8	29.7	25.9	10.8	8.6	8.2	9.6	10.0	-1.2	1.3	-0.9	0.0
Oil	184.0	200.4	171.6	140.6	100.2	61.3	57.8	54.7	45.7	38.7	-0.4	-1.8	-2.2	-2.0
Natural gas	15.2	28.7	32.2	39.4	31.7	5.1	8.3	10.3	12.8	12.3	4.0	1.8	-1.4	-0.1
Electricity	64.5	84.1	80.3	89.4	88.5	21.5	24.2	25.6	29.0	34.2	1.2	1.0	-0.1	0.4
Heat	0.2	0.6	0.6	3.8	6.9	0.1	0.2	0.2	1.2	2.7	5.5	19.0	4.1	10.2
Others	3.9	3.4	3.1	5.1	5.3	1.3	1.0	1.0	1.7	2.1	-1.1	4.5	0.3	2.0

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	835.5	1,089.9	1,041.0	1,155.9	1,146.6	100	100	100	100	100	1.2	1.0	-0.1
Coal	116.7	303.6	279.5	261.4	176.7	14.0	27.9	26.8	22.6	15.4	4.7	-0.6	-2.6	-1.7
Oil	247.9	137.5	91.6	78.9	38.6	29.7	12.6	8.8	6.8	3.4	-5.1	-1.3	-4.7	-3.3
Natural gas	167.1	239.0	284.9	302.3	264.5	20.0	21.9	27.4	26.2	23.1	2.8	0.5	-0.9	-0.3
Nuclear	202.3	304.8	279.8	299.7	282.3	24.2	28.0	26.9	25.9	24.6	1.7	0.6	-0.4	0.0
Hydro	89.3	76.5	75.2	85.9	86.8	10.7	7.0	7.2	7.4	7.6	-0.9	1.2	0.1	0.6
Geothermal	1.7	3.2	2.9	27.7	64.6	0.2	0.3	0.3	2.4	5.6	2.7	22.8	5.8	12.7
Others	10.5	25.3	27.1	100.0	233.1	1.3	2.3	2.6	8.7	20.3	5.1	12.6	5.8	8.6

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	109.3	134.2	126.7	116.3	79.2	100	100	100	100	100	0.8	-0.8	-2.5
Coal	25.4	62.8	58.1	51.2	32.3	23.2	46.8	45.9	44.0	40.8	4.5	-1.1	-3.0	-2.2
Oil	50.6	27.2	16.8	14.5	7.1	46.3	20.3	13.3	12.5	9.0	-5.6	-1.3	-4.6	-3.2
Natural gas	33.3	44.2	51.8	50.6	39.7	30.5	32.9	40.9	43.5	50.1	2.4	-0.2	-1.6	-1.0

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	41.9	43.6	44.5	47.5	52.1						0.3	0.6	0.6
Coal	39.5	41.6	41.3	43.9	47.0						0.2	0.5	0.5	0.5
Oil	42.1	43.4	46.9	46.7	46.5						0.6	0.0	0.0	0.0
Natural gas	43.2	46.5	47.3	51.4	57.3						0.5	0.7	0.7	0.7

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	291.7	332.0	295.4	275.5	196.1						0.1	-0.6	-2.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	4,150.3	4,979.6	4,814.8	5,953.4	6,954.4	0.8	1.9	1.0
Population (millions of people)	123.5	127.8	127.6	122.9	110.8	0.2	-0.3	-0.7	-0.5
GDP per capita (thousands of 2000 USD/person)	33.6	39.0	37.7	48.5	62.8	0.6	2.3	1.7	2.0
Primary energy consumption per capita (toe/person)	3.53	4.05	3.68	3.86	3.81	0.2	0.4	-0.1	0.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	105	104	98	80	61	-0.4	-1.8	-1.8	-1.8
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	70	67	61	46	28	-0.7	-2.5	-3.2	-2.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.67	0.64	0.63	0.58	0.46	-0.3	-0.7	-1.5	-1.2
Automobile ownership volume (millions of vehicles)	56.49	75.69	73.81	71.97	66.53	1.4	-0.2	-0.5	-0.4
Automobile ownership volume per capita (vehicles per person)	0.46	0.58	0.58	0.59	0.60	1.2	0.1	0.2	0.1

Korea [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	92.4	208.1	226.7	270.8	293.0	100	100	100	100	100	4.8	1.6	0.5
Coal	25.6	49.5	64.8	76.1	73.9	27.7	23.8	28.6	28.1	25.2	5.0	1.5	-0.2	0.5
Oil	49.7	92.5	90.6	99.6	98.5	53.8	44.4	40.0	36.8	33.6	3.2	0.9	-0.1	0.3
Natural gas	2.7	27.4	31.7	40.5	40.5	2.9	13.1	14.0	15.0	13.8	13.8	2.3	0.0	0.9
Nuclear	13.8	38.3	38.5	50.5	71.5	14.9	18.4	17.0	18.6	24.4	5.6	2.5	2.3	2.4
Hydro	0.5	0.3	0.2	0.3	0.3	0.6	0.2	0.1	0.1	0.1	-4.2	0.6	0.0	0.2
Geothermal	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-	10.4	4.4	6.9
Others	0.1	0.2	0.8	3.8	8.2	0.1	0.1	0.3	1.4	2.8	13.9	15.7	5.2	9.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	64.9	140.2	147.8	170.1	183.2	100	100	100	100	100	4.4	1.3	0.5
Industry	19.3	38.8	40.0	48.6	53.2	29.7	27.7	27.0	28.5	29.0	3.9	1.8	0.6	1.1
Transportation	14.6	29.2	29.3	31.9	31.5	22.5	20.8	19.8	18.7	17.2	3.7	0.8	-0.1	0.3
Others	24.3	41.8	41.6	48.5	53.5	37.5	29.9	28.1	28.5	29.2	2.9	1.4	0.7	1.0
Non-energy	6.7	30.4	37.0	41.2	45.1	10.4	21.7	25.0	24.2	24.6	9.4	1.0	0.6	0.8
Total	64.9	140.2	147.8	170.1	183.2	100	100	100	100	100	4.4	1.3	0.5	0.8
Coal	11.7	7.4	8.2	7.3	6.9	18.1	5.3	5.5	4.3	3.7	-1.9	-1.0	-0.4	-0.7
Oil	43.7	79.6	79.7	82.3	82.8	67.3	56.8	53.9	48.4	45.2	3.2	0.3	0.0	0.1
Natural gas	0.7	16.0	18.1	24.0	26.1	1.0	11.4	12.3	14.1	14.3	18.9	2.6	0.6	1.4
Electricity	8.1	30.8	34.9	46.7	54.5	12.5	21.9	23.6	27.4	29.8	8.0	2.7	1.0	1.7
Heat	0.0	4.5	4.4	6.5	8.1	0.0	3.2	3.0	3.8	4.4	-	3.5	1.5	2.3
Others	0.7	1.8	2.5	3.4	4.8	1.1	1.3	1.7	2.0	2.6	6.6	2.8	2.3	2.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	105.4	387.8	451.6	590.5	689.7	100	100	100	100	100	8.0	2.5	1.0
Coal	17.7	148.8	208.9	276.0	289.0	16.8	38.4	46.3	46.7	41.9	13.9	2.6	0.3	1.3
Oil	18.9	26.0	19.8	15.6	9.8	17.9	6.7	4.4	2.6	1.4	0.3	-2.2	-3.1	-2.7
Natural gas	9.6	62.2	70.3	85.7	73.3	9.1	16.0	15.6	14.5	10.6	11.0	1.8	-1.0	0.2
Nuclear	52.9	146.8	147.8	193.6	274.3	50.2	37.8	32.7	32.8	39.8	5.6	2.5	2.3	2.4
Hydro	6.4	3.7	2.8	3.0	3.0	6.0	0.9	0.6	0.5	0.4	-4.2	0.6	0.0	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.4	2.1	16.6	40.4	0.0	0.1	0.5	2.8	5.9	49.4	20.9	6.1	12.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.5	53.8	66.7	80.5	75.3	100	100	100	100	100	9.2	1.7	-0.4
Coal	6.0	36.3	49.7	61.9	60.1	47.7	67.6	74.6	76.8	79.9	11.8	2.0	-0.2	0.7
Oil	4.5	6.5	4.6	3.7	2.3	36.0	12.1	7.0	4.5	3.0	0.2	-2.2	-3.1	-2.7
Natural gas	2.0	11.0	12.3	15.0	12.8	16.3	20.4	18.5	18.6	17.1	9.9	1.8	-1.0	0.2

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	31.7	37.9	38.5	40.3	42.5						1.0	0.4	0.4
Coal	25.4	35.2	36.1	38.4	41.3						1.9	0.6	0.5	0.5
Oil	35.9	34.5	36.7	36.7	36.7						0.1	0.0	0.0	0.0
Natural gas	40.6	48.8	49.1	49.1	49.1						1.0	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	65.3	123.0	135.1	156.9	150.4						3.9	1.4	-0.3

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	295.6	664.4	752.9	1,200.9	1,786.4	5.0	4.3	2.7
Population (millions of people)	42.9	48.1	48.7	50.6	50.9	0.7	0.3	0.0	0.2
GDP per capita (thousands of 2000 USD/person)	6.9	13.8	15.4	23.7	35.1	4.3	4.0	2.6	3.2
Primary energy consumption per capita (toe/person)	2.16	4.32	4.65	5.35	5.76	4.1	1.3	0.5	0.8
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	313	313	301	225	164	-0.2	-2.6	-2.1	-2.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	221	185	179	131	84	-1.1	-2.8	-2.9	-2.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.71	0.59	0.60	0.58	0.51	-0.9	-0.3	-0.8	-0.6
Automobile ownership volume (millions of vehicles)	3.40	15.40	17.33	21.90	23.80	9.0	2.2	0.6	1.2
Automobile ownership volume per capita (vehicles per person)	0.08	0.36	0.36	0.43	0.47	8.2	1.8	0.5	1.1

Korea [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	92.4	208.1	226.7	263.7	268.9	100	100	100	100	100	4.8	1.4	0.1
Coal	25.6	49.5	64.8	59.5	36.4	27.7	23.8	28.6	22.5	13.5	5.0	-0.8	-3.2	-2.2
Oil	49.7	92.5	90.6	95.9	88.6	53.8	44.4	40.0	36.4	33.0	3.2	0.5	-0.5	-0.1
Natural gas	2.7	27.4	31.7	36.2	30.9	2.9	13.1	14.0	13.7	11.5	13.8	1.2	-1.1	-0.1
Nuclear	13.8	38.3	38.5	67.3	100.9	14.9	18.4	17.0	25.5	37.5	5.6	5.2	2.7	3.8
Hydro	0.5	0.3	0.2	0.3	0.3	0.6	0.2	0.1	0.1	0.1	-4.2	0.6	0.0	0.2
Geothermal	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-	10.4	4.4	6.9
Others	0.1	0.2	0.8	4.5	11.7	0.1	0.1	0.3	1.7	4.4	13.9	17.5	6.6	11.1

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	64.9	140.2	147.8	164.7	167.5	100	100	100	100	100	4.4	1.0	0.1
Industry	19.3	38.8	40.0	46.3	46.9	29.7	27.7	27.0	28.1	28.0	3.9	1.3	0.1	0.6
Transportation	14.6	29.2	29.3	30.7	27.1	22.5	20.8	19.8	18.6	16.2	3.7	0.4	-0.8	-0.3
Others	24.3	41.8	41.6	46.6	48.3	37.5	29.9	28.1	28.3	28.9	2.9	1.0	0.2	0.6
Non-energy	6.7	30.4	37.0	41.2	45.1	10.4	21.7	25.0	25.0	26.9	9.4	1.0	0.6	0.8
Total	64.9	140.2	147.8	164.7	167.5	100	100	100	100	100	4.4	1.0	0.1	0.5
Coal	11.7	7.4	8.2	6.8	5.7	18.1	5.3	5.5	4.1	3.4	-1.9	-1.6	-1.2	-1.4
Oil	43.7	79.6	79.7	80.0	75.5	67.3	56.8	53.9	48.6	45.1	3.2	0.0	-0.4	-0.2
Natural gas	0.7	16.0	18.1	23.4	24.1	1.0	11.4	12.3	14.2	14.4	18.9	2.4	0.2	1.1
Electricity	8.1	30.8	34.9	44.6	49.4	12.5	21.9	23.6	27.1	29.5	8.0	2.3	0.7	1.3
Heat	0.0	4.5	4.4	6.4	7.9	0.0	3.2	3.0	3.9	4.7	-	3.4	1.4	2.2
Others	0.7	1.8	2.5	3.4	4.9	1.1	1.3	1.7	2.1	2.9	6.6	2.8	2.4	2.6

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	105.4	387.8	451.6	564.5	624.2	100	100	100	100	100	8.0	2.0	0.7
Coal	17.7	148.8	208.9	206.8	119.4	16.8	38.4	46.3	36.6	19.1	13.9	-0.1	-3.6	-2.1
Oil	18.9	26.0	19.8	11.7	4.0	17.9	6.7	4.4	2.1	0.6	0.3	-4.7	-6.8	-5.9
Natural gas	9.6	62.2	70.3	64.2	30.3	9.1	16.0	15.6	11.4	4.9	11.0	-0.8	-4.9	-3.2
Nuclear	52.9	146.8	147.8	258.2	387.3	50.2	37.8	32.7	45.7	62.0	5.6	5.2	2.7	3.8
Hydro	6.4	3.7	2.8	3.0	3.0	6.0	0.9	0.6	0.5	0.5	-4.2	0.6	0.0	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.4	2.1	20.7	80.3	0.0	0.1	0.5	3.7	12.9	49.4	23.3	9.5	15.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.5	53.8	66.7	59.7	29.9	100	100	100	100	100	9.2	-1.0	-4.5
Coal	6.0	36.3	49.7	45.7	23.7	47.7	67.6	74.6	76.6	79.4	11.8	-0.8	-4.3	-2.8
Oil	4.5	6.5	4.6	2.7	0.9	36.0	12.1	7.0	4.6	3.2	0.2	-4.7	-6.8	-5.9
Natural gas	2.0	11.0	12.3	11.2	5.2	16.3	20.4	18.5	18.8	17.4	9.9	-0.8	-5.0	-3.2

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	31.7	37.9	38.5	40.7	44.2						1.0	0.5	0.5
Coal	25.4	35.2	36.1	38.9	43.2						1.9	0.7	0.7	0.7
Oil	35.9	34.5	36.7	36.7	36.7						0.1	0.0	0.0	0.0
Natural gas	40.6	48.8	49.1	49.1	49.9						1.0	0.0	0.1	0.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	65.3	123.0	135.1	133.1	95.4						3.9	-0.1	-2.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	295.6	664.4	752.9	1,200.9	1,786.4	5.0	4.3	2.7
Population (millions of people)	42.9	48.1	48.7	50.6	50.9	0.7	0.3	0.0	0.2
GDP per capita (thousands of 2000 USD/person)	6.9	13.8	15.4	23.7	35.1	4.3	4.0	2.6	3.2
Primary energy consumption per capita (toe/person)	2.16	4.32	4.65	5.21	5.28	4.1	1.0	0.1	0.5
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	313	313	301	220	151	-0.2	-2.8	-2.5	-2.6
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	221	185	179	111	53	-1.1	-4.3	-4.8	-4.6
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.71	0.59	0.60	0.50	0.35	-0.9	-1.5	-2.3	-2.0
Automobile ownership volume (millions of vehicles)	3.40	15.40	17.33	21.90	23.80	9.0	2.2	0.6	1.2
Automobile ownership volume per capita (vehicles per person)	0.08	0.36	0.36	0.43	0.47	8.2	1.8	0.5	1.1

Lao PDR [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.6	1.0	4.1	7.3	100	100	100	100	100	8.5	14.1	3.9
Coal	0.0	0.0	0.1	3.1	3.4	0.0	6.3	10.8	75.1	46.9	-	36.0	0.7	14.4
Oil	0.2	0.4	0.6	1.4	3.3	89.3	73.6	63.2	32.9	44.6	6.6	7.5	6.0	6.7
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.1	0.3	0.7	1.4	2.1	34.5	52.7	74.8	34.4	29.2	13.1	6.3	2.8	4.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	-0.2	-0.5	-1.8	-1.5	-23.9	-32.7	-48.9	-42.4	-20.7	12.7	12.6	-0.9	4.6

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.5	1.0	2.1	5.4	100	100	100	100	100	8.7	7.4	6.5
Industry	0.0	0.1	0.3	0.5	1.6	1.2	11.4	26.4	25.6	29.6	28.1	7.1	7.6	7.4
Transportation	0.2	0.4	0.6	1.3	3.0	91.6	75.7	59.9	60.4	56.0	6.3	7.5	6.0	6.6
Others	0.0	0.1	0.1	0.3	0.8	7.3	12.9	13.7	14.0	14.4	12.4	7.7	6.7	7.1
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	0.2	0.5	1.0	2.1	5.4	100	100	100	100	100	8.7	7.4	6.5	6.9
Coal	0.0	0.0	0.1	0.2	0.5	0.0	6.7	10.9	9.3	10.0	-	5.9	7.0	6.5
Oil	0.2	0.4	0.6	1.4	3.3	92.8	77.2	63.7	64.1	60.1	6.6	7.5	6.0	6.7
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Electricity	0.0	0.1	0.2	0.4	1.3	7.2	16.1	18.7	20.9	23.9	14.3	8.6	7.4	7.9
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.1	0.1	0.3	0.0	0.0	6.7	5.6	6.0	-	5.8	6.9	6.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.8	3.5	8.5	28.4	36.8	100	100	100	100	100	13.2	11.6	1.8
Coal	0.0	0.0	0.0	11.8	11.8	0.0	0.0	0.0	41.7	32.1	-	-	0.0	-
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.8	3.5	8.5	16.5	25.0	100.0	100.0	100.0	58.3	67.9	13.2	6.3	2.8	4.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.0	0.0	0.0	2.9	2.9	-	-	-	100	100	-	-	0.0
Coal	0.0	0.0	0.0	2.9	2.9	-	-	-	100.0	100.0	-	-	0.0	-
Oil	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-	-
Natural gas	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-	-

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	-	-	-	35.0	35.0	-	-	-	-	-	-	-	0.0
Coal	-	-	-	35.0	35.0	-	-	-	-	-	-	-	0.0	-
Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.3	0.6	4.7	6.7	-	-	-	-	-	6.2	20.2	2.4

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	0.9	2.4	3.2	7.3	14.9	6.8	7.8	4.9
Population (millions of people)	4.1	5.9	6.3	7.5	9.5	2.3	1.6	1.6	1.6
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	1.0	1.6	4.5	6.1	3.3	4.5
Primary energy consumption per capita (toe/person)	0.05	0.10	0.15	0.55	0.77	6.1	12.3	2.3	6.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	227	239	307	570	492	1.6	5.8	-1.0	1.8
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	222	125	197	648	448	-0.6	11.4	-2.4	3.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.98	0.52	0.64	1.14	0.91	-2.2	5.3	-1.5	1.3

Lao PDR [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.6	1.0	4.1	7.1	100	100	100	100	100	8.5	13.9	3.8
Coal	0.0	0.0	0.1	3.1	3.4	0.0	6.3	10.8	76.0	47.6	-	35.9	0.6	14.3
Oil	0.2	0.4	0.6	1.3	3.0	89.3	73.6	63.2	32.1	42.2	6.6	7.1	5.7	6.3
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.1	0.3	0.7	1.4	2.1	34.5	52.7	74.8	33.8	30.1	13.1	5.9	3.0	4.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	-0.2	-0.5	-1.7	-1.4	-23.9	-32.7	-48.9	-41.9	-19.8	12.7	12.3	-1.2	4.3

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.5	1.0	2.0	5.2	100	100	100	100	100	8.7	7.1	6.5
Industry	0.0	0.1	0.3	0.5	1.5	1.2	11.4	26.4	23.9	27.9	28.1	6.1	7.6	6.9
Transportation	0.2	0.4	0.6	1.3	3.0	91.6	75.7	59.9	62.9	58.5	6.3	7.5	6.0	6.6
Others	0.0	0.1	0.1	0.3	0.7	7.3	12.9	13.7	13.2	13.6	12.4	6.7	6.7	6.7
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	0.2	0.5	1.0	2.0	5.2	100	100	100	100	100	8.7	7.1	6.5	6.7
Coal	0.0	0.0	0.1	0.2	0.5	0.0	6.7	10.9	8.7	9.4	-	4.9	7.0	6.1
Oil	0.2	0.4	0.6	1.3	3.0	92.8	77.2	63.7	63.9	57.7	6.6	7.1	5.7	6.3
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Electricity	0.0	0.1	0.2	0.4	1.2	7.2	16.1	18.7	19.6	22.5	14.3	7.5	7.5	7.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.1	0.2	0.5	0.0	0.0	6.7	7.8	10.5	-	8.6	8.6	8.6

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.8	3.5	8.5	27.8	36.8	100	100	100	100	100	13.2	11.4	1.9
Coal	0.0	0.0	0.0	11.8	11.8	0.0	0.0	0.0	42.6	32.1	-	-	0.0	-
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.8	3.5	8.5	16.0	25.0	100.0	100.0	100.0	57.4	67.9	13.2	5.9	3.0	4.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.0	0.0	0.0	2.9	2.9	-	-	-	100	100	-	-	0.0
Coal	0.0	0.0	0.0	2.9	2.9	-	-	-	100.0	100.0	-	-	0.0	-
Oil	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-	-
Natural gas	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-	-

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	-	-	-	35.0	35.0	-	-	-	-	-	-	-	0.0
Coal	-	-	-	35.0	35.0	-	-	-	-	-	-	-	0.0	-
Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.2	0.3	0.6	4.6	6.4	-	-	-	-	-	6.2	20.0	2.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	0.9	2.4	3.2	7.3	14.9	6.8	7.8	4.9
Population (millions of people)	4.1	5.9	6.3	7.5	9.5	2.3	1.6	1.6	1.6
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	1.0	1.6	4.5	6.1	3.3	4.5
Primary energy consumption per capita (toe/person)	0.05	0.10	0.15	0.54	0.75	6.1	12.1	2.2	6.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	227	239	307	559	477	1.6	5.6	-1.1	1.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	222	125	197	639	429	-0.6	11.3	-2.6	3.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.98	0.52	0.64	1.14	0.90	-2.2	5.4	-1.6	1.3

Malaysia [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	20.6	62.8	55.4	86.9	167.4	100	100	100	100	100	5.3	4.2	4.5
Coal	1.0	6.8	10.6	16.3	45.7	5.0	10.9	19.1	18.8	27.3	13.0	4.0	7.1	5.8
Oil	12.4	23.5	21.5	30.3	54.9	60.0	37.5	38.8	34.9	32.8	3.0	3.2	4.0	3.7
Natural gas	6.8	31.9	22.8	38.2	64.5	33.0	50.8	41.2	44.0	38.5	6.6	4.8	3.6	4.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.3	0.4	0.6	2.0	2.0	1.7	0.7	1.1	2.3	1.2	3.0	11.6	0.0	4.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.1	-0.1	0.1	0.3	0.3	0.1	-0.2	0.1	0.2	-202.2	-200.0	7.6	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.8	36.7	38.0	65.5	124.3	100	100	100	100	100	5.9	5.1	4.4
Industry	5.3	15.6	12.1	22.3	44.8	41.4	42.5	31.8	34.0	36.0	4.4	5.7	4.8	5.2
Transportation	4.8	13.4	16.0	24.3	45.0	37.5	36.5	42.1	37.1	36.2	6.5	3.9	4.2	4.1
Others	1.9	5.5	6.2	13.6	24.9	14.8	15.0	16.3	20.8	20.0	6.4	7.4	4.1	5.5
Non-energy	0.8	2.2	3.7	5.3	9.6	6.3	6.0	9.7	8.1	7.7	8.4	3.3	4.0	3.7
Total	12.8	36.7	38.0	65.5	124.3	100	100	100	100	100	5.9	5.1	4.4	4.7
Coal	0.4	1.4	1.6	2.2	4.0	3.1	3.8	4.2	3.4	3.2	7.6	2.9	4.1	3.6
Oil	9.5	21.1	21.9	30.9	54.8	74.4	57.5	57.6	47.2	44.1	4.5	3.2	3.9	3.6
Natural gas	1.1	7.1	6.1	16.4	35.2	8.6	19.3	16.1	25.0	28.3	9.4	9.4	5.2	7.0
Electricity	1.7	7.0	8.3	15.9	30.1	13.3	19.1	21.8	24.3	24.2	8.7	6.1	4.3	5.1
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.1	0.1	0.1	0.2	0.5	0.3	0.3	0.2	0.2	2.2	0.0	4.7	2.7

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	23.0	84.8	105.1	192.6	362.3	100	100	100	100	100	8.3	5.7	4.3
Coal	2.8	22.1	32.5	62.3	189.1	12.2	26.1	30.9	32.3	52.2	13.8	6.1	7.7	7.0
Oil	11.1	2.5	2.1	3.5	3.6	48.3	2.9	2.0	1.8	1.0	-8.4	4.8	0.2	2.1
Natural gas	5.1	55.0	63.8	103.2	145.9	22.2	64.9	60.7	53.6	40.3	14.2	4.5	2.3	3.2
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	4.0	5.2	6.7	23.6	23.6	17.4	6.1	6.4	12.3	6.5	2.8	12.1	0.0	5.0
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	5.0	19.4	23.0	32.9	67.1	100	100	100	100	100	8.4	3.3	4.9
Coal	0.6	5.5	9.0	14.0	41.6	12.0	28.4	39.1	42.6	62.0	15.3	4.1	7.5	6.1
Oil	3.0	0.7	0.7	0.9	0.9	60.0	3.6	3.0	2.7	1.3	-7.4	2.3	0.0	1.0
Natural gas	1.4	13.2	13.3	18.0	24.6	28.0	68.0	57.8	54.7	36.7	12.6	2.8	2.1	2.4

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	32.7	35.3	36.8	44.2	43.4						0.6	1.7	-0.1
Coal	40.1	34.6	31.1	38.3	39.1						-1.3	1.9	0.1	0.9
Oil	31.8	30.7	25.8	33.4	34.4						-1.1	2.4	0.2	1.1
Natural gas	31.3	35.8	41.3	49.3	51.0						1.5	1.6	0.2	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.9	42.4	40.0	61.3	125.0						6.1	4.0	4.9

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	45.5	112.5	137.1	234.6	410.5	6.0	5.0	3.8
Population (millions of people)	17.8	25.3	30.2	32.4	38.4	2.8	0.6	1.1	0.9
GDP per capita (thousands of 2000 USD/person)	2.6	4.4	4.5	7.2	10.7	3.1	4.3	2.6	3.3
Primary energy consumption per capita (toe/person)	1.16	2.48	1.83	2.68	4.36	2.5	3.5	3.3	3.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	453	558	404	370	408	-0.6	-0.8	0.6	0.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	284	377	292	261	305	0.1	-1.0	1.0	0.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.63	0.68	0.72	0.71	0.75	0.7	-0.2	0.4	0.1

Malaysia [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	20.6	62.8	55.4	81.6	143.2	100	100	100	100	100	5.3	3.6	3.8	3.7
Coal	1.0	6.8	10.6	13.6	17.8	5.0	10.9	19.1	16.7	12.4	13.0	2.3	1.8	2.0
Oil	12.4	23.5	21.5	29.8	54.3	60.0	37.5	38.8	36.5	37.9	3.0	3.0	4.1	3.6
Natural gas	6.8	31.9	22.8	35.4	54.8	33.0	50.8	41.2	43.4	38.3	6.6	4.1	3.0	3.4
Nuclear	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	2.9	-	-	-	-
Hydro	0.3	0.4	0.6	2.1	2.2	1.7	0.7	1.1	2.6	1.5	3.0	12.1	0.3	5.1
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.1	-0.1	0.7	10.0	0.3	0.1	-0.2	0.9	7.0	-202.2	-219.4	19.4	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	12.8	36.7	38.0	62.4	114.9	100	100	100	100	100	5.9	4.6	4.2	4.3
Industry	5.3	15.6	12.1	20.1	38.3	41.4	42.5	31.8	32.2	33.3	4.4	4.7	4.4	4.5
Transportation	4.8	13.4	16.0	24.4	45.0	37.5	36.5	42.1	39.1	39.2	6.5	3.9	4.2	4.1
Others	1.9	5.5	6.2	12.6	22.0	14.8	15.0	16.3	20.2	19.1	6.4	6.7	3.8	5.0
Non-energy	0.8	2.2	3.7	5.3	9.6	6.3	6.0	9.7	8.5	8.4	8.4	3.3	4.0	3.7
Total	12.8	36.7	38.0	62.4	114.9	100	100	100	100	100	5.9	4.6	4.2	4.3
Coal	0.4	1.4	1.6	2.0	3.4	3.1	3.8	4.2	3.2	3.0	7.6	2.0	3.6	2.9
Oil	9.5	21.1	21.9	30.5	54.0	74.4	57.5	57.6	48.9	47.0	4.5	3.1	3.9	3.5
Natural gas	1.1	7.1	6.1	15.1	31.1	8.6	19.3	16.1	24.2	27.1	9.4	8.6	4.9	6.5
Electricity	1.7	7.0	8.3	14.4	25.6	13.3	19.1	21.8	23.1	22.3	8.7	5.1	3.9	4.4
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.1	0.1	0.4	0.8	0.5	0.3	0.3	0.6	0.7	2.2	13.4	4.7	8.3

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	23.0	84.8	105.1	174.3	233.2	100	100	100	100	100	8.3	4.7	2.0	3.1
Coal	2.8	22.1	32.5	51.4	64.7	12.2	26.1	30.9	29.5	27.7	13.8	4.3	1.5	2.7
Oil	11.1	2.5	2.1	3.4	3.7	48.3	2.9	2.0	2.0	1.6	-8.4	4.5	0.6	2.2
Natural gas	5.1	55.0	63.8	93.7	110.9	22.2	64.9	60.7	53.8	47.6	14.2	3.6	1.1	2.1
Nuclear	0.0	0.0	0.0	0.0	15.6	0.0	0.0	0.0	0.0	6.7	-	-	-	-
Hydro	4.0	5.2	6.7	24.1	25.7	17.4	6.1	6.4	13.8	11.0	2.8	12.3	0.4	5.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	1.7	12.6	0.0	0.0	0.0	1.0	5.4	-	-	14.3	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	5.0	19.4	23.0	28.7	34.1	100	100	100	100	100	8.4	2.0	1.2	1.5
Coal	0.6	5.5	9.0	11.5	14.2	12.0	28.4	39.1	40.1	41.6	15.3	2.3	1.4	1.8
Oil	3.0	0.7	0.7	0.8	0.9	60.0	3.6	3.0	2.8	2.6	-7.4	1.2	0.8	1.0
Natural gas	1.4	13.2	13.3	16.4	19.0	28.0	68.0	57.8	57.1	55.7	12.6	1.9	1.0	1.4

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	32.7	35.3	36.8	44.5	45.2						0.6	1.7	0.1	0.8
Coal	40.1	34.6	31.1	38.4	39.2						-1.3	2.0	0.1	0.9
Oil	31.8	30.7	25.8	36.6	35.4						-1.1	3.2	-0.2	1.2
Natural gas	31.3	35.8	41.3	49.1	50.2						1.5	1.6	0.1	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	12.9	42.4	40.0	56.2	87.9						6.1	3.1	3.0	3.1

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
GDP (billions of 2000 US dollars)	45.5	112.5	137.1	234.6	410.5	6.0	5.0	3.8	4.3
Population (millions of people)	17.8	25.3	30.2	32.4	38.4	2.8	0.6	1.1	0.9
GDP per capita (thousands of 2000 USD/person)	2.6	4.4	4.5	7.2	10.7	3.1	4.3	2.6	3.3
Primary energy consumption per capita (toe/person)	1.16	2.48	1.83	2.52	3.73	2.5	2.9	2.7	2.8
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	453	558	404	348	349	-0.6	-1.4	0.0	-0.6
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	284	377	292	240	214	0.1	-1.8	-0.7	-1.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.63	0.68	0.72	0.69	0.61	0.7	-0.4	-0.8	-0.6

Myanmar [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.7	5.1	6.1	11.6	28.9	100	100	100	100	100	6.9	6.0	6.3
Coal	0.1	0.1	0.1	0.4	0.9	3.9	1.2	1.2	3.5	3.0	0.4	16.9	5.1	9.9
Oil	0.7	1.8	2.2	4.4	12.6	41.3	34.9	36.2	38.4	43.7	6.2	6.5	7.2	6.9
Natural gas	0.8	2.6	3.2	5.2	11.5	44.4	51.9	52.1	45.3	39.9	7.8	4.6	5.4	5.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.1	0.3	0.5	4.5	10.4	6.0	5.9	7.4	38.7	35.9	8.1	23.2	5.8	12.8
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.3	0.2	-3.0	-6.5	4.3	6.1	3.1	-25.9	-22.4	5.1	-228.4	5.3	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.0	4.6	4.0	9.9	26.8	100	100	100	100	100	7.6	8.7	6.8
Industry	0.4	1.4	1.3	2.8	7.2	39.9	30.7	33.6	28.6	26.7	6.6	7.1	6.3	6.7
Transportation	0.4	1.3	0.9	3.6	11.1	42.6	28.0	23.4	35.7	41.5	4.3	13.0	7.9	10.0
Others	0.1	1.7	1.5	3.0	7.2	8.0	35.6	37.7	30.2	26.7	16.8	6.5	6.0	6.2
Non-energy	0.1	0.3	0.2	0.5	1.4	9.5	5.7	5.3	5.5	5.1	4.3	9.0	6.4	7.5
Total	1.0	4.6	4.0	9.9	26.8	100	100	100	100	100	7.6	8.7	6.8	7.6
Coal	0.1	0.1	0.1	0.3	0.7	5.2	2.4	3.6	2.6	2.6	5.5	5.5	7.0	6.4
Oil	0.6	1.7	1.1	4.1	12.3	57.0	36.4	28.8	41.5	45.9	3.8	12.4	7.6	9.6
Natural gas	0.2	2.2	2.0	4.1	10.4	22.8	47.8	49.6	41.0	38.6	12.1	6.8	6.4	6.6
Electricity	0.1	0.3	0.4	0.7	1.8	15.1	6.8	10.1	7.5	6.5	5.3	5.8	5.9	5.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.3	0.3	0.7	1.7	0.0	6.5	7.9	7.4	6.3	-	8.0	5.8	6.7

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	2.5	6.0	5.9	55.7	124.2	100	100	100	100	100	4.6	22.7	5.5
Coal	0.0	0.0	0.0	0.5	0.5	1.6	0.0	0.0	0.9	0.4	-100.0	-	0.0	-
Oil	0.3	0.6	0.5	0.0	0.0	10.9	10.3	8.9	0.0	0.0	3.5	-100.0	-	-100.0
Natural gas	1.0	2.4	1.1	3.2	3.2	39.3	39.8	19.6	5.7	2.6	0.9	9.7	0.0	4.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	1.2	3.0	4.2	52.0	120.5	48.1	49.8	71.5	93.4	97.0	6.8	25.8	5.8	13.8
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	0.5	0.9	0.5	1.1	1.1	100	100	100	100	100	-0.6	8.6	0.0
Coal	0.0	0.0	0.0	0.2	0.2	2.4	0.0	0.0	13.3	13.3	-100.0	-	0.0	-
Oil	0.1	0.1	0.1	0.0	0.0	12.5	16.6	22.1	0.0	0.0	2.4	-100.0	-	-100.0
Natural gas	0.4	0.7	0.4	1.0	1.0	85.1	83.4	77.9	86.7	86.7	-1.1	9.7	0.0	4.0

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	21.7	29.1	31.5	28.0	28.0						2.0	-1.0	0.0
Coal	28.7	-	-	30.0	30.0						-	-	0.0	-
Oil	36.4	36.1	44.5	-	-						1.1	-	-	-
Natural gas	19.3	27.7	27.8	27.7	27.7						1.9	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.1	3.6	2.7	7.1	17.8						5.1	9.1	6.4

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	3.7	13.3	19.3	48.5	160.3	9.1	8.7	8.3
Population (millions of people)	40.8	48.3	50.0	61.6	79.9	1.1	1.9	1.7	1.8
GDP per capita (thousands of 2000 USD/person)	0.1	0.3	0.4	0.8	2.0	8.0	6.7	6.4	6.5
Primary energy consumption per capita (toe/person)	0.04	0.11	0.12	0.19	0.36	5.8	4.0	4.5	4.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	465	382	316	238	180	-2.0	-2.5	-1.8	-2.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	288	271	141	146	111	-3.7	0.3	-1.8	-0.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.62	0.71	0.44	0.61	0.62	-1.7	2.9	0.1	1.3

Myanmar [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	1.7	5.1	6.1	10.8	26.8	100	100	100	100	100	6.9	5.3	6.3	5.9
Coal	0.1	0.1	0.1	0.4	0.8	3.9	1.2	1.2	3.5	2.9	0.4	16.2	5.0	9.6
Oil	0.7	1.8	2.2	4.1	11.6	41.3	34.9	36.2	38.1	43.3	6.2	5.8	7.2	6.6
Natural gas	0.8	2.6	3.2	4.9	10.6	44.4	51.9	52.1	45.2	39.6	7.8	3.9	5.3	4.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.1	0.3	0.5	4.4	10.1	6.0	5.9	7.4	40.7	37.8	8.1	23.0	5.8	12.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.1	0.3	0.2	-3.0	-6.3	4.3	6.1	3.1	-27.6	-23.6	5.1	-228.4	5.2	-

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	1.0	4.6	4.0	9.2	24.8	100	100	100	100	100	7.6	7.9	6.9	7.3
Industry	0.4	1.4	1.3	2.6	6.4	39.9	30.7	33.6	27.9	25.9	6.6	6.1	6.3	6.2
Transportation	0.4	1.3	0.9	3.4	10.5	42.6	28.0	23.4	36.6	42.4	4.3	12.4	7.9	9.8
Others	0.1	1.7	1.5	2.8	6.6	8.0	35.6	37.7	30.0	26.6	16.8	5.7	6.0	5.9
Non-energy	0.1	0.3	0.2	0.5	1.3	9.5	5.7	5.3	5.5	5.1	4.3	8.2	6.4	7.1
Total	1.0	4.6	4.0	9.2	24.8	100	100	100	100	100	7.6	7.9	6.9	7.3
Coal	0.1	0.1	0.1	0.2	0.6	5.2	2.4	3.6	2.5	2.6	5.5	4.5	7.0	5.9
Oil	0.6	1.7	1.1	3.8	11.3	57.0	36.4	28.8	41.3	45.6	3.8	11.5	7.6	9.2
Natural gas	0.2	2.2	2.0	3.7	9.5	22.8	47.8	49.6	40.6	38.1	12.1	6.0	6.4	6.2
Electricity	0.1	0.3	0.4	0.7	1.6	15.1	6.8	10.1	7.4	6.4	5.3	4.9	5.9	5.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.3	0.3	0.8	1.8	0.0	6.5	7.9	8.2	7.4	-	8.3	6.1	7.0

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	2.5	6.0	5.9	54.6	121.6	100	100	100	100	100	4.6	22.5	5.5	12.4
Coal	0.0	0.0	0.0	0.5	0.5	1.6	0.0	0.0	1.0	0.4	-100.0	-	0.0	-
Oil	0.3	0.6	0.5	0.0	0.0	10.9	10.3	8.9	0.0	0.0	3.5	-100.0	-	-100.0
Natural gas	1.0	2.4	1.1	3.2	3.2	39.3	39.8	19.6	5.8	2.6	0.9	9.7	0.0	4.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	1.2	3.0	4.2	51.0	117.9	48.1	49.8	71.5	93.3	97.0	6.8	25.5	5.8	13.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	0.5	0.9	0.5	1.1	1.1	100	100	100	100	100	-0.6	8.6	0.0	3.6
Coal	0.0	0.0	0.0	0.1	0.2	2.4	0.0	0.0	13.3	13.3	-100.0	-	0.0	-
Oil	0.1	0.1	0.1	0.0	0.0	12.5	16.6	22.1	0.0	0.0	2.4	-100.0	-	-100.0
Natural gas	0.4	0.7	0.4	1.0	1.0	85.1	83.4	77.9	86.7	86.7	-1.1	9.7	0.0	4.0

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	21.7	29.1	31.5	28.0	28.0						2.0	-1.0	0.0	-0.4
Coal	28.7	-	-	30.0	30.0						-	-	0.0	-
Oil	36.4	36.1	44.5	-	-						1.1	-	-	-
Natural gas	19.3	27.7	27.8	27.7	27.7						1.9	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	1.1	3.6	2.7	6.6	16.4						5.1	8.3	6.3	7.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
GDP (billions of 2000 US dollars)	3.7	13.3	19.3	48.5	160.3	9.1	8.7	8.3	8.5
Population (millions of people)	40.8	48.3	50.0	61.6	79.9	1.1	1.9	1.7	1.8
GDP per capita (thousands of 2000 USD/person)	0.1	0.3	0.4	0.8	2.0	8.0	6.7	6.4	6.5
Primary energy consumption per capita (toe/person)	0.04	0.11	0.12	0.17	0.34	5.8	3.3	4.4	4.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	465	382	316	222	167	-2.0	-3.2	-1.9	-2.4
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	288	271	141	135	102	-3.7	-0.4	-1.8	-1.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.62	0.71	0.44	0.61	0.61	-1.7	2.9	0.0	1.2

New Zealand [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.8	16.6	17.4	19.1	20.2	100	100	100	100	100	1.6	0.8	0.4
Coal	1.2	2.1	1.5	0.8	0.2	9.1	12.5	8.4	4.1	0.8	1.2	-5.5	-9.7	-7.9
Oil	3.6	6.0	6.2	6.8	7.2	27.7	36.5	35.5	35.5	35.6	3.0	0.8	0.4	0.6
Natural gas	3.9	3.2	3.5	4.3	4.5	30.2	19.5	19.9	22.5	22.4	-0.6	2.0	0.3	1.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	2.0	2.0	2.1	2.1	2.2	15.5	12.1	12.0	11.2	10.9	0.2	0.2	0.2	0.2
Geothermal	1.5	2.0	3.0	3.3	3.5	11.5	12.0	17.0	17.5	17.1	3.7	1.1	0.2	0.6
Others	0.8	1.2	1.3	1.8	2.7	6.0	7.4	7.3	9.3	13.2	2.7	3.1	2.8	2.9

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	9.9	12.3	12.5	14.0	15.1	100	100	100	100	100	1.2	1.1	0.5
Industry	3.8	3.8	3.8	4.1	4.3	38.0	31.0	30.3	29.0	28.2	0.0	0.7	0.3	0.5
Transportation	3.0	4.5	4.6	5.3	5.6	29.9	37.0	36.6	37.5	37.2	2.3	1.3	0.5	0.8
Others	2.6	3.4	3.3	3.8	4.2	25.9	27.5	26.5	26.9	28.0	1.3	1.2	0.8	1.0
Non-energy	0.6	0.6	0.8	0.9	1.0	6.2	4.5	6.6	6.6	6.6	1.5	1.1	0.5	0.7
Total	9.9	12.3	12.5	14.0	15.1	100	100	100	100	100	1.2	1.1	0.5	0.7
Coal	0.9	0.5	0.5	0.4	0.3	9.0	4.2	4.2	3.0	2.2	-2.7	-2.0	-1.7	-1.8
Oil	4.0	6.0	5.8	6.5	6.8	40.6	48.6	46.5	46.0	45.1	2.0	1.0	0.4	0.6
Natural gas	1.8	1.3	1.7	1.8	1.9	18.2	10.6	13.6	13.0	12.6	-0.3	0.7	0.3	0.4
Electricity	2.4	3.3	3.3	3.7	4.3	24.5	26.7	26.1	26.7	28.6	1.6	1.3	1.0	1.1
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.8	1.2	1.2	1.6	1.7	7.7	9.9	9.5	11.2	11.5	2.4	2.6	0.7	1.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	32.2	42.9	43.4	49.2	56.9	100	100	100	100	100	1.6	1.2	1.0
Coal	0.7	5.9	3.3	2.2	0.0	2.1	13.7	7.6	4.5	0.0	8.8	-3.5	-100.0	-100.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	-100.0	-	-100.0
Natural gas	5.7	9.4	9.0	13.1	13.9	17.7	22.0	20.7	26.6	24.4	2.4	3.5	0.4	1.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	23.2	23.3	24.2	24.8	25.5	72.0	54.4	55.8	50.3	44.9	0.2	0.2	0.2	0.2
Geothermal	2.1	3.2	4.9	5.4	5.5	6.6	7.4	11.2	11.0	9.7	4.4	1.0	0.1	0.5
Others	0.5	1.1	2.1	3.7	12.0	1.6	2.6	4.7	7.5	21.0	7.7	5.5	8.1	7.0

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.4	3.1	2.6	2.8	2.4	100	100	100	100	100	3.3	0.5	-1.0
Coal	0.2	1.4	1.1	0.5	0.0	11.9	44.7	41.2	18.7	0.0	10.3	-6.5	-100.0	-100.0
Oil	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	-5.6	-100.0	-	-100.0
Natural gas	1.2	1.7	1.5	2.2	2.4	87.7	55.3	58.7	81.3	100.0	1.2	3.5	0.4	1.7

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	38.8	42.2	40.2	47.7	50.1						0.2	1.6	0.3
Coal	33.9	36.2	26.2	37.2	-						-1.4	3.3	-	-
Oil	11.3	33.7	37.9	-	-						6.6	-	-	-
Natural gas	39.6	47.0	50.1	50.1	50.1						1.2	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	6.3	9.0	8.4	8.6	8.4						1.5	0.2	-0.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	38.8	62.3	62.4	86.8	113.6	2.5	3.1	1.8
Population (millions of people)	3.4	4.1	4.3	4.8	5.4	1.2	1.0	0.7	0.8
GDP per capita (thousands of 2000 USD/person)	11.3	15.1	14.5	18.0	21.2	1.3	2.0	1.1	1.5
Primary energy consumption per capita (toe/person)	3.72	4.00	4.03	3.95	3.76	0.4	-0.2	-0.3	-0.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	331	266	279	220	177	-0.9	-2.2	-1.4	-1.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	161	144	134	99	74	-1.0	-2.7	-2.0	-2.3
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.49	0.54	0.48	0.45	0.41	-0.1	-0.6	-0.6	-0.6
Automobile ownership volume (millions of vehicles)	1.79	3.11	3.25	4.03	4.66	3.2	2.0	1.0	1.4
Automobile ownership volume per capita (vehicles per person)	0.52	0.79	0.75	0.84	0.87	2.0	0.9	0.3	0.6

New Zealand [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	12.8	16.6	17.4	18.1	17.9	100	100	100	100	100	1.6	0.3	-0.1
Coal	1.2	2.1	1.5	0.7	0.1	9.1	12.5	8.4	4.1	0.5	1.2	-5.9	-12.7	-9.9
Oil	3.6	6.0	6.2	6.5	6.1	27.7	36.5	35.5	35.7	34.0	3.0	0.4	-0.4	-0.1
Natural gas	3.9	3.2	3.5	3.4	3.2	30.2	19.5	19.9	18.9	17.9	-0.6	-0.1	-0.4	-0.3
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	2.0	2.0	2.1	2.1	2.2	15.5	12.1	12.0	11.8	12.3	0.2	0.2	0.2	0.2
Geothermal	1.5	2.0	3.0	3.3	3.5	11.5	12.0	17.0	18.4	19.3	3.7	1.1	0.2	0.6
Others	0.8	1.2	1.3	2.0	2.9	6.0	7.4	7.3	11.1	16.0	2.7	4.3	2.4	3.2

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	9.9	12.3	12.5	13.4	13.4	100	100	100	100	100	1.2	0.7	0.0
Industry	3.8	3.8	3.8	4.0	4.0	38.0	31.0	30.3	29.5	30.0	0.0	0.4	0.1	0.2
Transportation	3.0	4.5	4.6	5.1	4.9	29.9	37.0	36.6	37.9	36.8	2.3	1.0	-0.2	0.3
Others	2.6	3.4	3.3	3.5	3.6	25.9	27.5	26.5	26.0	26.6	1.3	0.5	0.1	0.3
Non-energy	0.6	0.6	0.8	0.9	0.9	6.2	4.5	6.6	6.6	6.6	1.5	0.7	0.0	0.3
Total	9.9	12.3	12.5	13.4	13.4	100	100	100	100	100	1.2	0.7	0.0	0.3
Coal	0.9	0.5	0.5	0.4	0.3	9.0	4.2	4.2	2.9	1.9	-2.7	-2.8	-2.8	-2.8
Oil	4.0	6.0	5.8	6.1	5.7	40.6	48.6	46.5	45.6	42.3	2.0	0.5	-0.5	-0.1
Natural gas	1.8	1.3	1.7	1.8	1.7	18.2	10.6	13.6	13.1	12.9	-0.3	0.3	-0.1	0.1
Electricity	2.4	3.3	3.3	3.6	4.0	24.5	26.7	26.1	26.6	29.9	1.6	0.9	0.8	0.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.8	1.2	1.2	1.6	1.7	7.7	9.9	9.5	11.7	12.9	2.4	2.6	0.7	1.5

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	32.2	42.9	43.4	47.1	52.6	100	100	100	100	100	1.6	0.7	0.7
Coal	0.7	5.9	3.3	2.3	0.0	2.1	13.7	7.6	4.9	0.0	8.8	-3.3	-100.0	-100.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	-100.0	-	-100.0
Natural gas	5.7	9.4	9.0	8.4	7.4	17.7	22.0	20.7	17.9	14.0	2.4	-0.6	-0.9	-0.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	23.2	23.3	24.2	24.8	25.5	72.0	54.4	55.8	52.6	48.5	0.2	0.2	0.2	0.2
Geothermal	2.1	3.2	4.9	5.4	5.5	6.6	7.4	11.2	11.5	10.5	4.4	1.0	0.1	0.5
Others	0.5	1.1	2.1	6.2	14.2	1.6	2.6	4.7	13.2	27.0	7.7	10.6	5.7	7.7

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.4	3.1	2.6	1.9	1.3	100	100	100	100	100	3.3	-2.7	-2.9
Coal	0.2	1.4	1.1	0.5	0.0	11.9	44.7	41.2	26.6	0.0	10.3	-6.5	-100.0	-100.0
Oil	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	-5.6	-100.0	-	-100.0
Natural gas	1.2	1.7	1.5	1.4	1.3	87.7	55.3	58.7	73.4	100.0	1.2	-0.7	-0.9	-0.8

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	38.8	42.2	40.2	47.3	50.6						0.2	1.5	0.5
Coal	33.9	36.2	26.2	38.0	-						-1.4	3.5	-	-
Oil	11.3	33.7	37.9	-	-						6.6	-	-	-
Natural gas	39.6	47.0	50.1	50.6	50.6						1.2	0.1	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	6.3	9.0	8.4	7.8	6.6						1.5	-0.7	-1.1

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	38.8	62.3	62.4	86.8	113.6	2.5	3.1	1.8
Population (millions of people)	3.4	4.1	4.3	4.8	5.4	1.2	1.0	0.7	0.8
GDP per capita (thousands of 2000 USD/person)	11.3	15.1	14.5	18.0	21.2	1.3	2.0	1.1	1.5
Primary energy consumption per capita (toe/person)	3.72	4.00	4.03	3.75	3.34	0.4	-0.7	-0.8	-0.7
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	331	266	279	208	157	-0.9	-2.6	-1.8	-2.2
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	161	144	134	89	58	-1.0	-3.6	-2.8	-3.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.49	0.54	0.48	0.43	0.37	-0.1	-1.0	-1.0	-1.0
Automobile ownership volume (millions of vehicles)	1.79	3.11	3.25	4.03	4.66	3.2	2.0	1.0	1.4
Automobile ownership volume per capita (vehicles per person)	0.52	0.79	0.75	0.84	0.87	2.0	0.9	0.3	0.6

Philippines [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	18.6	33.8	40.7	76.1	190.8	100	100	100	100	100	4.2	5.9	6.3	6.1
Coal	1.2	5.6	6.9	22.5	76.2	6.7	16.6	16.9	29.6	39.9	9.4	11.4	8.5	9.7
Oil	11.2	15.1	15.4	27.2	63.9	60.3	44.7	37.9	35.8	33.5	1.7	5.3	5.9	5.6
Natural gas	0.0	2.7	3.4	8.2	25.2	0.0	8.0	8.5	10.8	13.2	-	8.2	7.8	8.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.5	0.7	0.9	0.9	0.9	2.9	2.1	2.1	1.2	0.5	2.5	0.4	0.0	0.2
Geothermal	4.7	8.5	11.7	12.4	12.4	25.3	25.1	28.8	16.3	6.5	4.9	0.5	0.0	0.2
Others	0.9	1.2	2.4	4.8	12.2	4.8	3.6	5.8	6.3	6.4	5.2	6.7	6.4	6.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	11.1	18.5	21.6	41.1	103.2	100	100	100	100	100	3.6	6.0	6.3	6.2
Industry	3.9	5.4	5.6	9.6	23.9	35.1	29.2	26.0	23.5	23.2	1.9	5.0	6.2	5.7
Transportation	4.6	8.4	10.8	19.9	41.7	41.4	45.4	49.9	48.3	40.4	4.6	5.7	5.1	5.3
Others	2.2	4.5	4.9	11.2	36.9	19.8	24.3	22.6	27.2	35.8	4.3	7.8	8.3	8.1
Non-energy	0.4	0.2	0.3	0.4	0.6	3.6	1.1	1.5	1.0	0.6	-1.2	2.4	3.0	2.8
Total	11.0	18.5	21.6	41.1	103.2	100	100	100	100	100	3.6	6.0	6.3	6.2
Coal	0.6	1.3	1.6	2.1	3.3	5.9	7.0	7.5	5.0	3.2	5.0	2.2	3.2	2.8
Oil	7.6	12.1	13.5	24.4	57.8	69.2	65.5	62.5	59.4	56.0	3.1	5.5	5.9	5.8
Natural gas	0.0	0.0	0.1	0.1	0.3	0.0	0.0	0.4	0.3	0.3	-	5.0	5.5	5.3
Electricity	1.8	3.9	4.6	10.7	32.1	16.4	21.0	21.3	26.0	31.1	5.0	8.0	7.6	7.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.9	1.2	1.8	3.8	9.7	8.6	6.5	8.4	9.3	9.4	3.5	7.0	6.4	6.6

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	27.5	56.7	66.3	154.0	463.7	100	100	100	100	100	4.7	8.0	7.6	7.8
Coal	1.9	15.3	18.4	76.3	284.1	6.9	26.9	27.7	49.6	61.3	12.7	13.8	9.2	11.1
Oil	12.4	6.1	4.2	4.8	7.9	45.1	10.8	6.3	3.1	1.7	-5.5	1.3	3.4	2.5
Natural gas	0.0	17.0	19.7	47.4	146.2	0.0	30.0	29.8	30.8	31.5	-	8.3	7.8	8.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	6.1	8.4	10.1	10.6	10.6	22.2	14.8	15.2	6.9	2.3	2.7	0.4	0.0	0.2
Geothermal	5.5	9.9	13.6	14.4	14.4	20.0	17.5	20.6	9.4	3.1	4.9	0.5	0.0	0.2
Others	1.6	0.0	0.2	0.5	0.5	5.8	0.0	0.4	0.3	0.1	-9.4	6.2	0.0	2.6

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	2.6	8.0	8.9	27.4	92.2	100	100	100	100	100	6.7	10.8	8.4	9.4
Coal	0.5	4.1	4.7	18.8	67.1	19.2	51.3	53.4	68.4	72.8	12.6	13.4	8.9	10.7
Oil	2.1	1.4	1.0	1.1	1.9	80.8	17.5	11.1	4.1	2.0	-3.9	1.3	3.4	2.5
Natural gas	0.0	2.5	3.1	7.5	23.3	0.0	31.3	35.5	27.5	25.2	-	8.3	7.8	8.0

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	47.3	41.3	41.1	40.3	40.9						-0.7	-0.2	0.1	0.0
Coal	32.7	32.0	33.4	35.0	36.4						0.1	0.4	0.3	0.3
Oil	50.8	37.7	36.6	36.6	36.6						-1.7	0.0	0.0	0.0
Natural gas	-	58.5	54.0	54.0	54.0						-	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
Total	10.5	19.5	20.8	48.0	138.8						3.7	7.9	7.3	7.6

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
GDP (billions of 2000 US dollars)	56.2	114.7	119.9	255.8	757.1	4.1	7.1	7.5	7.3
Population (millions of people)	61.1	83.1	92.2	111.3	134.4	2.2	1.7	1.3	1.5
GDP per capita (thousands of 2000 USD/person)	0.9	1.4	1.3	2.3	5.6	1.8	5.3	6.2	5.8
Primary energy consumption per capita (toe/person)	0.30	0.41	0.44	0.68	1.42	2.0	4.1	5.0	4.6
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	331	295	339	297	252	0.1	-1.2	-1.1	-1.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	187	170	173	188	183	-0.4	0.7	-0.2	0.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.57	0.58	0.51	0.63	0.73	-0.5	2.0	0.9	1.4

Philippines [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	18.6	33.8	40.7	72.3	175.6	100	100	100	100	100	4.2	5.4	6.1
Coal	1.2	5.6	6.9	14.2	61.0	6.7	16.6	16.9	19.6	34.7	9.4	6.8	10.2	8.8
Oil	11.2	15.1	15.4	23.4	52.5	60.3	44.7	38.0	32.3	29.9	1.7	3.8	5.5	4.8
Natural gas	0.0	2.7	3.4	6.8	22.0	0.0	8.0	8.5	9.4	12.5	-	6.3	8.2	7.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.5	0.7	0.9	1.8	2.3	2.9	2.1	2.1	2.5	1.3	2.5	6.9	1.6	3.8
Geothermal	4.7	8.5	11.7	20.3	21.5	25.3	25.1	28.9	28.1	12.2	4.9	5.1	0.4	2.3
Others	0.9	1.2	2.3	5.8	16.4	4.8	3.6	5.7	8.1	9.3	5.1	8.8	7.1	7.8

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	11.1	18.5	21.6	37.1	93.1	100	100	100	100	100	3.6	5.0	6.3
Industry	3.9	5.4	5.6	8.7	21.5	35.1	29.2	26.0	23.4	23.1	1.9	4.0	6.2	5.3
Transportation	4.6	8.4	10.8	17.9	37.7	41.4	45.4	49.9	48.3	40.5	4.6	4.7	5.1	4.9
Others	2.2	4.5	4.9	10.1	33.3	19.8	24.3	22.6	27.2	35.8	4.3	6.8	8.3	7.7
Non-energy	0.4	0.2	0.3	0.4	0.6	3.6	1.1	1.5	1.0	0.6	-1.2	1.7	3.0	2.4
Total	11.0	18.5	21.6	37.1	93.1	100	100	100	100	100	3.6	5.0	6.3	5.8
Coal	0.6	1.3	1.5	2.5	6.6	5.9	7.0	7.0	6.8	7.1	4.6	4.8	6.6	5.8
Oil	7.6	12.1	4.6	9.6	28.9	69.2	65.5	21.3	25.9	31.1	-2.6	6.9	7.6	7.3
Natural gas	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.4	0.4	0.4	-	4.7	6.8	5.9
Electricity	1.8	3.9	13.5	21.0	47.2	16.4	21.0	62.5	56.6	50.7	11.2	4.1	5.6	4.9
Heat	0.0	0.0	0.3	2.0	7.1	0.0	0.0	1.4	5.4	7.6	-	18.4	8.8	12.8
Others	0.9	1.2	1.6	1.8	3.0	8.6	6.5	7.5	5.0	3.2	2.9	1.2	3.2	2.4

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	27.5	56.7	66.3	140.6	420.3	100	100	100	100	100	4.7	7.1	7.6
Coal	1.9	15.3	18.4	45.7	226.1	6.9	26.9	27.8	32.5	53.8	12.7	8.6	11.2	10.1
Oil	12.4	6.1	4.3	4.6	7.3	45.1	10.8	6.4	3.2	1.7	-5.5	0.6	3.2	2.1
Natural gas	0.0	17.0	19.7	39.0	127.3	0.0	30.0	29.8	27.7	30.3	-	6.4	8.2	7.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	6.1	8.4	10.1	21.0	26.8	22.2	14.8	15.2	14.9	6.4	2.7	6.9	1.6	3.8
Geothermal	5.5	9.9	13.7	23.1	24.3	20.0	17.5	20.6	16.4	5.8	4.9	4.9	0.3	2.2
Others	1.6	0.0	0.1	7.3	8.5	5.8	0.0	0.2	5.2	2.0	-12.7	45.1	1.0	17.7

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	2.6	8.0	8.9	18.5	75.4	100	100	100	100	100	6.7	6.9	9.8
Coal	0.5	4.1	4.7	11.2	53.4	19.2	51.3	53.3	60.7	70.8	12.6	8.2	11.0	9.8
Oil	2.1	1.4	1.0	1.1	1.7	80.8	17.5	11.3	5.8	2.3	-3.8	0.6	3.2	2.1
Natural gas	0.0	2.5	3.1	6.2	20.3	0.0	31.3	35.4	33.5	26.9	-	6.4	8.2	7.4

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	47.3	41.3	41.1	41.5	41.1						-0.7	0.1	0.0
Coal	32.7	32.0	33.4	35.0	36.4						0.1	0.4	0.3	0.3
Oil	50.8	37.7	36.6	36.6	36.6						-1.7	0.0	0.0	0.0
Natural gas	-	58.5	54.0	54.0	54.0						-	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	10.5	19.5	20.8	36.0	113.0						3.7	5.1	7.9

Energy and economic indicators										AAGR(%)				
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	56.2	114.7	119.9	255.8	757.1						4.1	7.1	7.5
Population (millions of people)	61.1	83.1	92.2	111.3	134.4						2.2	1.7	1.3	1.5
GDP per capita (thousands of 2000 USD/person)	0.9	1.4	1.3	2.3	5.6						1.8	5.3	6.2	5.8
Primary energy consumption per capita (toe/person)	0.30	0.41	0.44	0.65	1.31						2.0	3.6	4.8	4.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	331	295	339	282	232						0.1	-1.7	-1.3	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	187	170	173	141	149						-0.4	-1.9	0.4	-0.6
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.57	0.58	0.51	0.50	0.64						-0.5	-0.2	1.7	0.9

Singapore [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	11.4	18.6	19.7	42.3	44.8	100	100	100	100	100	2.9	7.2	0.4
Coal	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	-8.4	-100.0	-	-100.0
Oil	11.4	12.7	12.6	32.3	32.6	99.8	68.4	63.8	76.5	72.8	0.5	9.0	0.1	3.7
Natural gas	0.0	5.8	7.1	9.8	11.8	0.0	31.3	36.0	23.2	26.3	-	3.0	1.3	2.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.2	0.4	0.0	0.2	0.1	0.4	0.9	-	16.3	6.4	10.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	5.0	12.5	14.1	31.2	32.9	100	100	100	100	100	5.6	7.5	0.4
Industry	0.6	1.2	1.5	2.2	3.1	12.0	9.7	10.3	7.2	9.4	4.8	3.9	2.2	2.9
Transportation	1.4	2.2	2.9	3.2	3.4	28.0	17.3	20.3	10.1	10.3	3.8	0.9	0.5	0.7
Others	0.7	1.8	2.3	3.1	3.6	14.0	14.0	15.9	9.8	11.1	6.3	2.8	1.2	1.9
Non-energy	2.3	7.4	7.6	22.7	22.8	46.0	59.0	53.4	72.9	69.2	6.5	10.5	0.0	4.3
Total	5.0	12.5	14.1	31.2	32.9	100	100	100	100	100	5.6	7.5	0.4	3.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	3.8	9.7	10.4	25.9	26.2	76.0	77.0	73.7	83.0	79.5	5.4	8.6	0.1	3.6
Natural gas	0.1	0.1	0.6	0.7	0.8	2.0	0.8	4.4	2.4	2.6	10.1	1.6	0.9	1.2
Electricity	1.1	2.8	3.1	4.6	5.9	22.0	22.2	21.9	14.7	17.9	5.6	3.6	1.7	2.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	15.7	38.2	41.8	60.7	77.6	100	100	100	100	100	5.3	3.4	1.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	15.7	9.8	7.9	10.7	11.5	100.0	25.6	18.8	17.7	14.8	-3.6	2.9	0.5	1.5
Natural gas	0.0	28.4	33.9	48.5	62.1	0.0	74.4	81.0	80.0	80.0	-	3.3	1.7	2.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.1	1.4	4.0	0.0	0.0	0.2	2.3	5.2	-	29.2	7.3	16.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.4	8.1	8.5	11.5	13.4	100	100	100	100	100	3.5	2.8	1.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	4.4	2.2	2.0	2.6	2.6	100.0	26.7	24.0	22.6	19.4	-3.9	2.2	0.0	0.9
Natural gas	0.0	5.9	6.5	8.9	10.8	0.0	73.3	76.0	77.4	80.6	-	2.9	1.3	2.0

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	30.7	40.6	42.1	44.4	47.3						1.7	0.5	0.4
Coal	-	-	-	-	-						-	-	-	-
Oil	30.7	39.0	33.0	35.5	38.0						0.4	0.7	0.4	0.5
Natural gas	-	41.2	45.0	46.9	49.5						-	0.4	0.4	0.4

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	7.7	11.6	12.3	17.2	18.7						2.5	3.1	0.6

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	42.5	114.7	141.9	206.7	345.3	6.5	3.5	3.5
Population (millions of people)	4.0	4.3	5.0	5.7	6.4	1.2	1.3	0.7	1.0
GDP per capita (thousands of 2000 USD/person)	10.6	26.4	28.4	36.0	54.0	5.3	2.2	2.7	2.5
Primary energy consumption per capita (toe/person)	2.86	4.29	3.95	7.37	7.02	1.7	5.8	-0.3	2.2
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	269	162	139	205	130	-3.4	3.6	-3.0	-0.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	181	101	87	83	54	-3.8	-0.4	-2.8	-1.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.67	0.62	0.62	0.41	0.42	-0.4	-3.8	0.2	-1.5
Automobile ownership volume (millions of vehicles)	0.29	0.46	0.48	0.55	0.62	2.8	1.3	0.7	1.0
Automobile ownership volume per capita (vehicles per person)	0.07	0.11	0.10	0.10	0.10	1.6	0.0	0.0	0.0

Singapore [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	11.4	18.6	19.7	41.5	43.3	100	100	100	100	100	2.9	7.0	0.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-100.0	-	-100.0
Oil	11.4	12.7	12.6	32.2	32.5	100.0	68.4	63.8	77.7	75.1	0.5	8.9	0.1	3.7
Natural gas	0.0	5.8	7.1	9.1	10.4	0.0	31.3	36.0	21.9	24.1	-	2.3	0.9	1.5
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.1	0.4	0.0	0.2	0.1	0.4	0.9	-	16.0	6.3	10.3

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	5.0	12.5	14.1	31.1	32.6	100	100	100	100	100	5.6	7.4	0.3
Industry	0.6	1.2	1.5	2.2	2.9	12.0	9.7	10.3	7.1	9.0	4.8	3.8	1.9	2.7
Transportation	1.4	2.2	2.9	3.2	3.4	28.0	17.3	20.3	10.1	10.4	3.8	0.9	0.5	0.7
Others	0.7	1.8	2.3	3.0	3.5	14.0	14.0	15.9	9.7	10.7	6.3	2.6	1.0	1.7
Non-energy	2.3	7.4	7.6	22.7	22.8	46.0	59.0	53.4	73.1	69.8	6.5	10.5	0.0	4.3

Total	5.0	12.5	14.1	31.1	32.6	100	100	100	100	100	5.6	7.4	0.3	3.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	3.8	9.7	10.4	25.9	26.2	76.0	77.0	73.7	83.2	80.2	5.4	8.6	0.1	3.6
Natural gas	0.1	0.1	0.6	0.7	0.8	2.0	0.8	4.4	2.4	2.5	10.1	1.5	0.7	1.0
Electricity	1.1	2.8	3.1	4.5	5.6	22.0	22.2	21.9	14.4	17.3	5.6	3.4	1.5	2.3
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	15.7	38.3	41.8	59.5	74.3	100	100	100	100	100	5.3	3.3	1.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	15.7	9.8	7.9	10.5	11.0	100.0	25.5	18.8	17.7	14.8	-3.6	2.7	0.3	1.3
Natural gas	0.0	28.4	33.9	47.6	59.4	0.0	74.1	81.0	80.0	80.0	-	3.1	1.5	2.2
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.1	0.1	1.4	3.9	0.0	0.3	0.2	2.3	5.2	-	29.0	7.1	15.9

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.4	8.1	8.5	10.7	11.9	100	100	100	100	100	3.5	2.1	0.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Oil	4.4	2.2	2.0	2.5	2.5	100.0	26.7	24.0	23.3	20.8	-3.9	1.8	0.0	0.8
Natural gas	0.0	5.9	6.5	8.2	9.5	0.0	73.3	76.0	76.7	79.2	-	2.2	0.9	1.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	30.7	40.6	42.1	46.6	50.7						1.7	0.9	0.6
Coal	-	-	-	-	-						-	-	-	-
Oil	30.7	39.0	33.0	36.1	38.0						0.4	0.8	0.3	0.5
Natural gas	-	41.2	45.0	49.8	54.0						-	0.9	0.6	0.7

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	7.7	11.6	12.3	16.7	17.7						2.5	2.8	0.4

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	42.5	114.7	141.9	206.7	345.3	6.5	3.5	3.5
Population (millions of people)	4.0	4.3	5.0	5.7	6.4	1.2	1.3	0.7	1.0
GDP per capita (thousands of 2000 USD/person)	10.6	26.4	28.4	36.0	54.0	5.3	2.2	2.7	2.5
Primary energy consumption per capita (toe/person)	2.85	4.29	3.95	7.24	6.78	1.7	5.7	-0.4	2.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	268	162	139	201	126	-3.4	3.4	-3.1	-0.4
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	181	101	87	81	51	-3.8	-0.7	-3.0	-2.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.68	0.62	0.62	0.40	0.41	-0.4	-3.9	0.1	-1.6
Automobile ownership volume (millions of vehicles)	0.29	0.46	0.48	0.55	0.62	2.8	1.3	0.7	1.0
Automobile ownership volume per capita (vehicles per person)	0.07	0.11	0.10	0.10	0.10	1.6	0.0	0.0	0.0

Thailand [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	35.6	93.2	100.3	157.0	268.3	100	100	100	100	100	5.6	4.2	3.6
Coal	3.8	11.4	14.6	25.3	43.6	10.6	12.3	14.6	16.1	16.2	7.4	5.1	3.7	4.3
Oil	18.0	33.9	29.2	39.3	68.1	50.4	36.4	29.1	25.1	25.4	2.6	2.7	3.7	3.3
Natural gas	5.0	25.9	26.6	43.9	59.7	14.0	27.8	26.6	27.9	22.2	9.2	4.6	2.1	3.2
Nuclear	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	3.4	-	-	-	-
Hydro	0.4	0.5	0.6	0.3	0.3	1.2	0.5	0.6	0.2	0.1	1.9	-5.9	0.3	-2.4
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	8.5	21.5	29.2	48.2	87.5	23.8	23.0	29.1	30.7	32.6	6.7	4.7	4.1	4.3

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	26.1	65.4	73.0	116.1	206.3	100	100	100	100	100	5.6	4.3	3.9
Industry	8.7	23.4	24.3	42.3	75.3	33.2	35.8	33.3	36.4	36.5	5.6	5.1	3.9	4.4
Transportation	9.0	18.1	19.1	23.9	41.1	34.6	27.7	26.1	20.5	19.9	4.0	2.1	3.7	3.0
Others	8.0	13.5	16.0	26.4	48.5	30.6	20.6	21.9	22.8	23.5	3.7	4.7	4.1	4.4
Non-energy	0.4	10.4	13.6	23.5	41.4	1.6	15.9	18.6	20.3	20.1	20.2	5.1	3.8	4.4
Total	26.1	65.4	73.0	116.1	206.3	100	100	100	100	100	5.6	4.3	3.9	4.1
Coal	1.3	6.7	7.9	13.9	24.9	4.9	10.3	10.8	12.0	12.1	10.0	5.3	4.0	4.5
Oil	14.5	28.3	32.6	44.7	77.0	55.7	43.3	44.6	38.5	37.3	4.3	2.9	3.7	3.4
Natural gas	0.1	1.9	10.4	19.7	33.4	0.5	2.8	14.3	17.0	16.2	25.6	6.0	3.6	4.6
Electricity	3.3	10.4	11.6	22.1	44.9	12.8	15.9	15.9	19.0	21.8	6.8	6.0	4.8	5.3
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	6.8	18.1	10.5	15.7	26.1	26.0	27.6	14.4	13.5	12.7	2.3	3.7	3.5	3.6

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	44.2	130.6	147.4	235.1	374.9	100	100	100	100	100	6.5	4.3	3.2
Coal	11.1	20.6	28.7	50.4	90.9	25.0	15.8	19.5	21.4	24.3	5.2	5.2	4.0	4.5
Oil	10.4	7.8	0.7	1.0	1.3	23.5	6.0	0.5	0.4	0.4	-13.2	2.8	2.3	2.5
Natural gas	17.8	94.5	105.0	166.7	222.6	40.2	72.4	71.2	70.9	59.4	9.8	4.3	1.9	2.9
Nuclear	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	9.3	-	-	-	-
Hydro	5.0	5.7	7.1	3.6	3.8	11.3	4.3	4.9	1.6	1.0	1.9	-5.9	0.3	-2.4
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0	-	-	-
Others	0.0	2.0	5.9	13.4	21.1	0.0	1.5	4.0	5.7	5.6	-	7.8	3.1	5.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	9.4	25.7	27.2	42.6	59.1	100	100	100	100	100	5.7	4.2	2.2
Coal	2.5	4.9	6.6	11.3	18.6	27.0	19.0	24.1	26.6	31.5	5.1	5.1	3.4	4.1
Oil	2.5	1.8	0.2	0.2	0.3	26.9	6.9	0.6	0.5	0.5	-13.2	2.8	2.3	2.5
Natural gas	4.3	19.0	20.5	31.1	40.2	46.0	74.1	75.3	72.9	68.0	8.5	3.9	1.7	2.6

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	35.8	41.2	42.5	44.0	45.8						0.9	0.3	0.3
Coal	37.3	36.4	37.7	38.2	42.0						0.1	0.1	0.6	0.4
Oil	35.1	37.8	35.5	35.5	35.5						0.1	0.0	0.0	0.0
Natural gas	35.2	42.7	44.0	46.1	47.6						1.2	0.4	0.2	0.3

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	21.4	52.1	52.3	79.5	127.5						4.8	3.9	3.2

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	79.4	156.9	173.9	301.0	529.2	4.2	5.1	3.8
Population (millions of people)	54.6	65.7	67.8	70.3	73.9	1.1	0.3	0.3	0.3
GDP per capita (thousands of 2000 USD/person)	1.5	2.4	2.6	4.3	7.2	3.0	4.8	3.5	4.0
Primary energy consumption per capita (toe/person)	0.65	1.42	1.48	2.23	3.63	4.4	3.8	3.3	3.5
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	449	594	577	522	507	1.3	-0.9	-0.2	-0.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	270	332	301	264	241	0.6	-1.2	-0.6	-0.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.60	0.56	0.52	0.51	0.48	-0.7	-0.3	-0.4	-0.4

Thailand [APS]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	35.6	93.2	100.3	148.9	239.9	100	100	100	100	100	5.6	3.7	3.2
Coal	3.8	11.4	14.6	24.1	38.0	10.6	12.3	14.6	16.2	15.8	7.4	4.6	3.1	3.7
Oil	18.0	33.9	29.2	38.0	61.4	50.4	36.4	29.1	25.5	25.6	2.6	2.4	3.2	2.9
Natural gas	5.0	25.9	26.6	39.1	50.5	14.0	27.8	26.6	26.2	21.0	9.2	3.5	1.7	2.5
Nuclear	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	3.8	-	-	-	-
Hydro	0.4	0.5	0.6	0.3	0.3	1.2	0.5	0.6	0.2	0.1	1.9	-5.9	0.3	-2.4
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	8.5	21.5	29.2	47.4	80.6	23.8	23.0	29.1	31.8	33.6	6.7	4.5	3.6	4.0

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	26.1	65.4	73.0	112.6	187.8	100	100	100	100	100	5.6	4.0	3.5
Industry	8.7	23.4	24.3	40.8	67.1	33.2	35.8	33.3	36.2	35.7	5.6	4.8	3.4	4.0
Transportation	9.0	18.1	19.1	23.6	36.0	34.6	27.7	26.1	20.9	19.2	4.0	1.9	2.9	2.5
Others	8.0	13.5	16.0	24.7	43.4	30.6	20.6	21.9	21.9	23.1	3.7	4.0	3.8	3.9
Non-energy	0.4	10.4	13.6	23.5	41.4	1.6	15.9	18.6	20.9	22.0	20.2	5.1	3.8	4.4
Total	26.1	65.4	73.0	112.6	187.8	100	100	100	100	100	5.6	4.0	3.5	3.7
Coal	1.3	6.7	7.9	13.3	21.3	4.9	10.3	10.8	11.8	11.4	10.0	4.9	3.2	3.9
Oil	14.5	28.3	32.6	43.4	70.4	55.7	43.3	44.6	38.6	37.5	4.3	2.6	3.3	3.0
Natural gas	0.1	1.9	10.4	19.6	32.7	0.5	2.8	14.3	17.4	17.4	25.6	5.9	3.5	4.5
Electricity	3.3	10.4	11.6	19.9	36.5	12.8	15.9	15.9	17.7	19.4	6.8	5.0	4.1	4.5
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	6.8	18.1	10.5	16.4	26.9	26.0	27.6	14.4	14.5	14.3	2.3	4.1	3.4	3.7

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	44.2	130.6	147.4	224.1	355.1	100	100	100	100	100	6.5	3.9	3.1
Coal	11.1	20.6	28.7	49.1	86.4	25.0	15.8	19.5	21.9	24.3	5.2	5.0	3.8	4.3
Oil	10.4	7.8	0.7	0.8	1.0	23.5	6.0	0.5	0.3	0.3	-13.2	0.7	1.5	1.2
Natural gas	17.8	94.5	105.0	157.2	207.7	40.2	72.4	71.2	70.1	58.5	9.8	3.7	1.9	2.7
Nuclear	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	9.9	-	-	-	-
Hydro	5.0	5.7	7.1	3.6	3.8	11.3	4.3	4.9	1.6	1.1	1.9	-5.9	0.3	-2.4
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0	-	-	-
Others	0.0	2.0	5.9	13.4	21.1	0.0	1.5	4.0	6.0	5.9	-	7.8	3.1	5.1

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	9.4	25.7	27.2	38.1	49.9	100	100	100	100	100	5.7	3.1	1.8
Coal	2.5	4.9	6.6	10.8	16.6	27.0	19.0	24.1	28.4	33.3	5.1	4.7	2.9	3.6
Oil	2.5	1.8	0.2	0.2	0.2	26.9	6.9	0.6	0.5	0.5	-13.2	0.7	1.5	1.2
Natural gas	4.3	19.0	20.5	27.1	33.1	46.0	74.1	75.3	71.1	66.2	8.5	2.6	1.3	1.9

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	35.8	41.2	42.5	46.7	50.8						0.9	0.9	0.6
Coal	37.3	36.4	37.7	39.0	44.7						0.1	0.3	0.9	0.7
Oil	35.1	37.8	35.5	35.5	35.5						0.1	0.0	0.0	0.0
Natural gas	35.2	42.7	44.0	49.9	54.0						1.2	1.1	0.5	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	21.4	52.1	52.3	74.5	111.0						4.8	3.3	2.7

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	79.4	156.9	173.9	301.0	529.2	4.2	5.1	3.8
Population (millions of people)	54.6	65.7	67.8	70.3	73.9	1.1	0.3	0.3	0.3
GDP per capita (thousands of 2000 USD/person)	1.5	2.4	2.6	4.3	7.2	3.0	4.8	3.5	4.0
Primary energy consumption per capita (toe/person)	0.65	1.42	1.48	2.12	3.25	4.4	3.3	2.9	3.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	449	594	577	495	453	1.3	-1.4	-0.6	-0.9
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	270	332	301	248	210	0.6	-1.8	-1.1	-1.4
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.60	0.56	0.52	0.50	0.46	-0.7	-0.4	-0.5	-0.5

Viet Nam [BAU]

Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	5.4	27.0	39.1	87.2	211.2	100	100	100	100	100	10.9	7.6	6.1
Coal	2.2	8.1	11.4	35.0	95.8	41.0	30.1	29.2	40.1	45.3	9.0	10.7	6.9	8.5
Oil	2.7	12.1	15.5	31.3	72.7	50.5	44.8	39.8	35.9	34.4	9.6	6.6	5.8	6.1
Natural gas	0.0	4.9	9.0	12.4	22.1	0.1	18.2	23.0	14.2	10.5	52.4	2.9	3.9	3.5
Nuclear	0.0	0.0	0.0	1.8	11.0	0.0	0.0	0.0	2.1	5.2	-	-	12.7	-
Hydro	0.5	1.8	2.4	6.4	8.1	8.5	6.8	6.1	7.3	3.9	9.0	9.4	1.6	4.8
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.7	0.4	1.6	0.0	0.0	1.9	0.4	0.7	-	-6.4	10.3	2.9

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.2	21.4	29.8	65.5	153.5	100	100	100	100	100	10.8	7.4	5.8
Industry	1.7	9.2	13.6	29.6	68.3	41.4	43.3	45.5	45.2	44.5	11.4	7.4	5.7	6.4
Transportation	1.4	6.8	9.6	19.5	44.2	33.5	31.7	32.4	29.7	28.8	10.6	6.6	5.6	6.0
Others	1.1	5.3	6.6	16.4	41.0	25.1	25.0	22.2	25.0	26.7	10.1	8.6	6.3	7.3
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	4.2	21.4	29.8	65.5	153.5	100	100	100	100	100	10.8	7.4	5.8	6.5
Coal	1.3	6.0	8.8	17.9	38.6	31.5	28.1	29.5	27.4	25.2	10.5	6.7	5.3	5.9
Oil	2.4	11.3	13.8	28.7	69.9	55.9	53.0	46.2	43.8	45.5	9.7	6.9	6.1	6.4
Natural gas	0.0	0.1	0.6	1.0	3.3	0.0	0.5	2.1	1.6	2.1	-	4.3	8.1	6.5
Electricity	0.5	3.9	6.6	17.9	41.7	12.6	18.4	22.2	27.2	27.2	14.2	9.4	5.8	7.3
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	8.7	53.5	79.6	224.0	508.7	100	100	100	100	100	12.4	9.9	5.6
Coal	2.0	8.9	10.9	76.0	259.5	23.1	16.7	13.7	33.9	51.0	9.3	19.3	8.5	13.0
Oil	1.3	2.5	5.3	4.3	5.4	15.0	4.6	6.7	1.9	1.1	7.7	-2.0	1.6	0.1
Natural gas	0.0	20.6	35.7	62.3	107.1	0.1	38.5	44.9	27.8	21.1	58.0	5.2	3.7	4.3
Nuclear	0.0	0.0	0.0	7.0	42.1	0.0	0.0	0.0	3.1	8.3	-	-	12.7	-
Hydro	5.4	21.5	27.7	74.4	94.6	61.8	40.1	34.8	33.2	18.6	9.0	9.4	1.6	4.8
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.3	7.7	12.7	29.5	77.3	100	100	100	100	100	12.9	8.0	6.6
Coal	0.9	2.1	2.6	17.0	57.1	69.8	27.6	20.4	57.7	73.9	5.8	18.7	8.4	12.6
Oil	0.4	0.8	1.8	1.1	1.4	30.0	10.0	14.0	3.8	1.8	8.4	-4.0	1.5	-0.9
Natural gas	0.0	4.8	8.4	11.3	18.8	0.2	62.4	65.6	38.4	24.3	51.8	2.8	3.4	3.2

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	22.4	35.7	35.1	41.5	41.4						2.4	1.5	0.0
Coal	19.4	36.1	36.1	38.4	39.1						3.3	0.6	0.1	0.3
Oil	29.4	27.6	25.8	32.3	32.7						-0.7	2.1	0.1	0.9
Natural gas	17.2	36.8	36.8	47.3	49.1						4.1	2.3	0.3	1.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.6	22.7	32.1	72.5	181.2						10.7	7.7	6.3

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	15.9	44.8	58.8	133.4	412.8	7.1	7.7	7.8
Population (millions of people)	66.2	83.1	86.0	96.1	105.2	1.4	1.0	0.6	0.8
GDP per capita (thousands of 2000 USD/person)	0.2	0.5	0.7	1.4	3.9	5.7	6.6	7.2	7.0
Primary energy consumption per capita (toe/person)	0.08	0.32	0.45	0.91	2.01	9.4	6.5	5.4	5.9
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	341	603	664	654	512	3.6	-0.1	-1.6	-1.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	291	507	546	544	439	3.4	0.0	-1.4	-0.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.85	0.84	0.82	0.83	0.86	-0.2	0.1	0.2	0.2

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Primary energy consumption	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	5.4	27.0	39.1	81.3	198.4	100	100	100	100	100	10.9	6.9	6.1
Coal	2.2	8.1	11.4	30.4	75.0	41.0	30.1	29.2	37.4	37.8	9.0	9.3	6.2	7.5
Oil	2.7	12.1	15.5	30.1	69.9	50.5	44.8	39.8	37.1	35.2	9.6	6.2	5.8	6.0
Natural gas	0.0	4.9	9.0	10.8	18.9	0.1	18.2	23.0	13.3	9.5	52.4	1.7	3.8	2.9
Nuclear	0.0	0.0	0.0	1.8	21.9	0.0	0.0	0.0	2.2	11.0	-	-	18.0	-
Hydro	0.5	1.8	2.4	6.7	8.9	8.5	6.8	6.1	8.2	4.5	9.0	9.9	1.9	5.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.7	1.3	3.8	0.0	0.0	1.9	1.7	1.9	-	5.6	7.2	6.5

Final energy demand	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.2	21.4	29.8	61.9	144.8	100	100	100	100	100	10.8	6.9	5.8
Industry	1.7	9.2	13.6	27.3	62.8	41.4	43.3	45.5	44.0	43.4	11.4	6.6	5.7	6.1
Transportation	1.4	6.8	9.6	19.4	44.0	33.5	31.7	32.4	31.4	30.4	10.6	6.6	5.6	6.0
Others	1.1	5.3	6.6	15.2	38.0	25.1	25.0	22.2	24.6	26.2	10.1	7.9	6.3	7.0
Non-energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Total	4.2	21.4	29.8	61.9	144.8	100	100	100	100	100	10.8	6.9	5.8	6.3
Coal	1.3	6.0	8.8	15.9	34.4	31.5	28.1	29.5	25.7	23.8	10.5	5.5	5.3	5.4
Oil	2.4	11.3	13.8	27.7	67.2	55.9	53.0	46.2	44.7	46.4	9.7	6.6	6.1	6.3
Natural gas	0.0	0.1	0.6	1.0	3.1	0.0	0.5	2.1	1.5	2.1	-	3.7	8.1	6.2
Electricity	0.5	3.9	6.6	16.8	38.9	12.6	18.4	22.2	27.2	26.9	14.2	8.9	5.8	7.1
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	0.5	1.2	0.0	0.0	0.0	0.9	0.8	-	-	5.3	-

Power generation Output	TWh					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	8.7	53.5	79.6	210.7	474.0	100	100	100	100	100	12.4	9.3	5.6
Coal	2.0	8.9	10.9	64.6	184.3	23.1	16.7	13.7	30.7	38.9	9.3	17.6	7.2	11.5
Oil	1.3	2.5	5.3	3.8	4.8	15.0	4.6	6.7	1.8	1.0	7.7	-3.0	1.5	-0.4
Natural gas	0.0	20.6	35.7	54.2	90.4	0.1	38.5	44.9	25.7	19.1	58.0	3.9	3.5	3.6
Nuclear	0.0	0.0	0.0	7.0	84.1	0.0	0.0	0.0	3.3	17.7	-	-	18.0	-
Hydro	5.4	21.5	27.7	74.4	94.6	61.8	40.1	34.8	35.3	20.0	9.0	9.4	1.6	4.8
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
Others	0.0	0.0	0.0	6.7	15.8	0.0	0.0	0.0	3.2	3.3	-	-	5.9	-

Power generation Input	MTOE					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	1.3	7.7	12.7	25.4	57.7	100	100	100	100	100	12.9	6.5	5.6
Coal	0.9	2.1	2.6	14.5	40.6	69.8	27.6	20.4	57.1	70.3	5.8	16.9	7.1	11.2
Oil	0.4	0.8	1.8	1.0	1.3	30.0	10.0	14.0	4.0	2.2	8.4	-5.0	1.5	-1.3
Natural gas	0.0	4.8	8.4	9.9	15.9	0.2	62.4	65.6	38.9	27.5	51.8	1.5	3.2	2.5

Thermal Efficiency	%					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	22.4	35.7	35.1	41.5	41.6						2.4	1.5	0.0
Coal	19.4	36.1	36.1	38.3	39.0						3.3	0.5	0.1	0.3
Oil	29.4	27.6	25.8	32.3	32.7						-0.7	2.1	0.1	0.9
Natural gas	17.2	36.8	36.8	47.2	49.0						4.1	2.3	0.3	1.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)			
	1990	2005	2009	2020	2035	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	Total	4.6	22.7	32.1	65.4	153.4						10.7	6.7	5.8

Energy and economic indicators						AAGR(%)			
	1990	2005	2009	2020	2035	1990-2009	2009-2020	2020-2035	2009-2035
	GDP (billions of 2000 US dollars)	15.9	44.8	58.8	133.4	412.8	7.1	7.7	7.8
Population (millions of people)	66.2	83.1	86.0	96.1	105.2	1.4	1.0	0.6	0.8
GDP per capita (thousands of 2000 USD/person)	0.2	0.5	0.7	1.4	3.9	5.7	6.6	7.2	7.0
Primary energy consumption per capita (toe/person)	0.08	0.32	0.45	0.85	1.89	9.4	5.8	5.5	5.6
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	341	603	664	609	481	3.6	-0.8	-1.6	-1.2
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	291	507	546	490	372	3.4	-1.0	-1.8	-1.5
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.85	0.84	0.82	0.80	0.77	-0.2	-0.2	-0.3	-0.2