

III. Annex

Results Summary Tables

Total East Asia [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	3,126	3,799	5,213	7,362		100	100	100	100		-	4.0	3.2	3.5	3.5
Coal	1,570	1,890	2,374	3,268		50.2	49.7	45.5	44.4		-	3.8	2.3	3.2	3.0
Oil	1,034	1,177	1,586	2,252		33.1	31.0	30.4	30.6		-	2.6	3.0	3.6	3.2
Natural gas	292	397	656	1,042		9.3	10.5	12.6	14.2		-	6.4	5.1	4.7	5.2
Nuclear	136	181	319	435		4.4	4.8	6.1	5.9		-	5.8	5.9	3.1	4.8
Hydro	58	87	127	150		1.9	2.3	2.4	2.0		-	8.4	3.8	1.7	3.9
Geothermal	19	24	35	51		0.6	0.6	0.7	0.7		-	4.2	4.1	3.8	4.0
Others	16	43	116	164		0.5	1.1	2.2	2.2		-	22.2	10.3	3.6	9.8

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	1,915	2,371	3,268	4,555		100	100	100	100		-	4.4	3.3	3.4	3.5
Industry	934	1,181	1,497	1,874		48.8	49.8	45.8	41.1		-	4.8	2.4	2.3	2.8
Transportation	400	491	751	1,185		20.9	20.7	23.0	26.0		-	4.2	4.3	4.7	4.4
Others	498	606	901	1,331		26.0	25.6	27.6	29.2		-	4.0	4.0	4.0	4.0
Non-energy	82	92	120	165		4.3	3.9	3.7	3.6		-	2.4	2.7	3.2	2.8

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	1,915	2,371	3,268	4,555		100	100	100	100		-	4.4	3.3	3.4	3.5
Coal	474	576	647	717		24.8	24.3	19.8	15.7		-	4.0	1.2	1.0	1.7
Oil	871	1,033	1,457	2,119		45.5	43.6	44.6	46.5		-	3.5	3.5	3.8	3.6
Natural gas	125	174	282	451		6.5	7.4	8.6	9.9		-	6.9	4.9	4.8	5.3
Electricity	387	510	765	1,113		20.2	21.5	23.4	24.4		-	5.7	4.2	3.8	4.3
Heat	49	64	93	123		2.5	2.7	2.9	2.7		-	5.8	3.8	2.8	3.8
Others	10	14	24	32		0.5	0.6	0.7	0.7		-	6.2	5.7	3.0	4.7

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	5,481	7,164	10,853	15,949		100	100	100	100		-	5.5	4.2	3.9	4.4
Coal	3,236	4,118	5,839	9,073		59.0	57.5	53.8	56.9		-	4.9	3.6	4.5	4.2
Oil	338	268	229	200		6.2	3.7	2.1	1.3		-	-4.5	-1.6	-1.3	-2.1
Natural gas	646	950	1,757	2,763		11.8	13.3	16.2	17.3		-	8.0	6.3	4.6	6.0
Nuclear	522	693	1,225	1,670		9.5	9.7	11.3	10.5		-	5.8	5.9	3.1	4.8
Hydro	677	1,014	1,479	1,749		12.3	14.2	13.6	11.0		-	8.4	3.8	1.7	3.9
Geothermal	23	28	44	63		0.4	0.4	0.4	0.4		-	4.6	4.4	3.7	4.2
Others	40	93	280	431		0.7	1.3	2.6	2.7		-	18.6	11.6	4.4	10.0

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	1,283	1,546	2,216	3,300		100	100	100	100		-	3.8	3.7	4.1	3.9
Coal	862	1,008	1,360	2,110		67.2	65.2	61.4	63.9		-	3.2	3.0	4.5	3.6
Oil	71	56	48	42		5.5	3.6	2.2	1.3		-	-4.8	-1.4	-1.5	-2.1
Natural gas	130	182	315	486		10.1	11.7	14.2	14.7		-	6.9	5.7	4.4	5.4

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	34.2	36.9	39.0	39.2							-	1.5	0.6	0.1	0.6
Coal	32.3	35.1	36.9	37.0							-	1.7	0.5	0.0	0.5
Oil	40.8	41.3	40.6	41.5							-	0.3	-0.2	0.2	0.1
Natural gas	42.8	45.0	48.0	48.9							-	1.0	0.6	0.2	0.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	2,652	3,137	4,104	5,765							-	3.4	2.7	3.5	3.2
Coal-derived	1,696	2,041	2,561	3,526		63.9	65.1	62.4	61.2		-	3.8	2.3	3.3	3.0
Oil-derived	769	842	1,123	1,571		29.0	26.8	27.4	27.2		-	1.8	2.9	3.4	2.9
Natural-gas-derived	186	254	419	663		7.0	8.1	10.2	11.5		-	6.4	5.1	4.7	5.2

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
GDP (billions of 2000 US dollars)		9,454	12,075	17,975	26,237	-	5.0	4.1	3.9	4.2
Population (millions of people)		3,156	3,306	3,618	3,862	-	0.9	0.9	0.7	0.8
GDP per capita (thousands of 2000 USD/person)		3.0	3.7	5.0	6.8	-	4.0	3.1	3.2	3.3
Primary energy consumption per capita (toe/person)		1.0	1.1	1.4	1.9	-	3.0	2.3	2.8	2.7
Primary energy consumption per unit of GDP (toe/million 2000 US Dolla		331	315	290	281	-	-1.0	-0.8	-0.3	-0.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)		281	260	228	220	-	-1.5	-1.3	-0.4	-1.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)		0.85	0.83	0.79	0.78	-	-0.5	-0.5	-0.1	-0.3
Road vehicle ownership volume (millions of vehicles)		190	235	390	706	-	4.4	5.2	6.1	5.4
Road vehicle ownership volume per capita (vehicles per person)		0.06	0.07	0.11	0.18	-	3.4	4.2	5.4	4.5

Total East Asia [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	3,126	3,596	4,544	5,888		100	100	100	100		-	2.8	2.4	2.6
Coal	1,570	1,740	1,858	2,132		50.2	48.4	40.9	36.2		-	2.1	0.7	1.4	1.2
Oil	1,034	1,131	1,400	1,780		33.1	31.4	30.8	30.2		-	1.8	2.2	2.4	2.2
Natural gas	292	380	598	939		9.3	10.6	13.2	15.9		-	5.4	4.6	4.6	4.8
Nuclear	136	184	363	570		4.4	5.1	8.0	9.7		-	6.2	7.0	4.6	5.9
Hydro	58	87	127	151		1.9	2.4	2.8	2.6		-	8.4	3.9	1.7	3.9
Geothermal	19	24	34	47		0.6	0.7	0.8	0.8		-	4.6	3.7	3.3	3.7
Others	16	50	164	270		0.5	1.4	3.6	4.6		-	25.5	12.7	5.1	12.0

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1,915	2,278	2,932	3,776		100	100	100	100		-	3.5	2.6	2.6
Industry	934	1,141	1,368	1,600		48.8	50.1	46.7	42.4		-	4.1	1.8	1.6	2.2
Transportation	400	466	661	925		20.9	20.5	22.5	24.5		-	3.1	3.5	3.4	3.4
Others	498	579	783	1,086		26.0	25.4	26.7	28.8		-	3.1	3.1	3.3	3.2
Non-energy	82	92	120	165		4.3	4.0	4.1	4.4		-	2.4	2.7	3.2	2.8
Energy source															
Total	1,915	2,278	2,932	3,776		100	100	100	100		-	3.5	2.6	2.6	2.8
Coal	474	549	566	559		24.8	24.1	19.3	14.8		-	3.0	0.3	-0.1	0.7
Oil	871	989	1,282	1,666		45.5	43.4	43.7	44.1		-	2.6	2.6	2.7	2.6
Natural gas	125	171	268	417		6.5	7.5	9.1	11.1		-	6.5	4.6	4.5	5.0
Electricity	387	488	682	937		20.2	21.4	23.3	24.8		-	4.8	3.4	3.2	3.6
Heat	49	62	86	110		2.5	2.7	2.9	2.9		-	5.2	3.2	2.5	3.3
Others	10	19	48	87		0.5	0.8	1.6	2.3		-	13.4	9.7	6.2	9.0

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5,481	6,806	9,549	13,221		100	100	100	100		-	4.4	3.4	3.3
Coal	3,236	3,810	4,525	5,953		59.0	56.0	47.4	45.0		-	3.3	1.7	2.8	2.5
Oil	338	260	177	127		6.2	3.8	1.9	1.0		-	-5.1	-3.7	-3.3	-3.8
Natural gas	646	888	1,583	2,571		11.8	13.1	16.6	19.4		-	6.6	5.9	5.0	5.7
Nuclear	522	706	1,393	2,188		9.5	10.4	14.6	16.6		-	6.2	7.0	4.6	5.9
Hydro	677	1,014	1,482	1,753		12.3	14.9	15.5	13.3		-	8.4	3.9	1.7	3.9
Geothermal	23	29	43	58		0.4	0.4	0.4	0.4		-	5.3	3.8	3.2	3.9
Others	40	99	345	571		0.7	1.4	3.6	4.3		-	19.9	13.4	5.2	11.2

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1,283	1,420	1,812	2,441		100	100	100	100		-	2.1	2.5	3.0
Coal	862	893	955	1,178		67.2	62.9	52.7	48.2		-	0.7	0.7	2.1	1.3
Oil	71	53	37	27		5.5	3.7	2.0	1.1		-	-5.9	-3.5	-3.2	-3.8
Natural gas	130	169	279	429		10.1	11.9	15.4	17.6		-	5.4	5.2	4.4	4.9

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	34.2	38.3	42.5	45.6							-	2.3	1.1	0.7
Coal	32.3	36.7	40.7	43.5							-	2.6	1.1	0.7	1.2
Oil	40.8	42.5	41.5	40.9							-	0.8	-0.2	-0.2	0.0
Natural gas	42.8	45.3	48.8	51.6							-	1.1	0.8	0.6	0.7

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	2,652	2,926	3,358	4,082							-	2.0	1.4	2.0
Coal-derived	1,696	1,879	2,004	2,299		63.9	64.2	59.7	56.3		-	2.1	0.6	1.4	1.2
Oil-derived	769	803	971	1,182		29.0	27.4	28.9	28.9		-	0.9	1.9	2.0	1.7
Natural-gas-derived	186	243	381	597		7.0	8.3	11.4	14.6		-	5.4	4.6	4.6	4.8

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)						9,454	12,075	17,975	26,237		-	5.0	4.1	3.9
Population (millions of people)						3,156	3,306	3,618	3,862		-	0.9	0.9	0.7	0.8
GDP per capita (thousands of 2000 USD/person)						3.0	3.7	5.0	6.8		-	4.0	3.1	3.2	3.3
Primary energy consumption per capita (toe/person)						1.0	1.1	1.3	1.5		-	1.9	1.4	2.0	1.7
Primary energy consumption per unit of GDP (toe/million 2000 US Dolla						331	298	253	224		-	-2.1	-1.6	-1.2	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)						281	242	187	156		-	-2.9	-2.6	-1.8	-2.3
CO ₂ emissions per unit of primary energy consumption (t-C/toe)						0.85	0.81	0.74	0.69		-	-0.8	-1.0	-0.6	-0.8
Road vehicle ownership volume (millions of vehicles)						190	235	390	706		-	4.4	5.2	6.1	5.4
Road vehicle ownership volume per capita (vehicles per person)						0.06	0.07	0.11	0.18		-	3.4	4.2	5.4	4.5

Australia [BAU]

Primary energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	87.5	122.0	134.6	159.7	181.1	100	100	100	100	100	2.2	2.0	1.7	1.3
Coal	35.0	54.3	55.3	62.4	65.8	40.0	44.5	41.1	39.1	36.3	3.0	0.4	1.2	0.5	0.8
Oil	32.5	37.9	41.3	50.9	59.3	37.1	31.1	30.7	31.9	32.7	1.0	1.7	2.1	1.5	1.8
Natural gas	14.8	23.0	29.4	36.3	43.5	16.9	18.9	21.9	22.8	24.0	3.0	5.0	2.1	1.8	2.6
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	1.4	1.4	1.6	1.4	1.1	1.0	0.9	0.9	0.7	0.3	0.2	1.2	0.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	4.0	5.4	7.2	8.6	10.9	4.6	4.4	5.4	5.4	6.0	1.9	6.0	1.8	2.4	2.9

Final energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	58.1	76.5	86.4	105.1	121.1	100	100	100	100	100	1.9	2.5	2.0	1.4
Sector															
Industry	21.5	26.1	30.3	35.9	40.6	37.1	34.2	35.0	34.2	33.5	1.3	3.0	1.7	1.2	1.8
Transportation	22.7	30.2	33.5	41.6	47.8	39.1	39.5	38.7	39.6	39.5	1.9	2.0	2.2	1.4	1.9
Others	12.3	18.1	20.6	25.4	30.3	21.2	23.7	23.9	24.2	25.0	2.6	2.6	2.1	1.8	2.1
Non-energy	1.6	2.0	2.1	2.2	2.4	2.7	2.6	2.4	2.1	2.0	1.6	0.7	0.7	0.7	0.7
Energy source															
Total	58.1	76.5	86.4	105.1	121.1	100	100	100	100	100	1.9	2.5	2.0	1.4	1.9
Coal	4.3	3.5	3.8	4.2	3.7	7.4	4.5	4.4	4.0	3.1	-1.4	2.0	0.8	-1.0	0.3
Oil	30.5	39.2	42.2	51.3	59.0	52.6	51.2	48.9	48.8	48.7	1.7	1.5	2.0	1.4	1.7
Natural gas	8.8	12.0	14.7	17.7	20.3	15.2	15.7	17.0	16.9	16.8	2.1	4.1	1.9	1.4	2.1
Electricity	11.1	17.8	20.8	26.3	31.7	19.1	23.2	24.1	25.0	26.2	3.2	3.2	2.4	1.9	2.3
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	4.8	5.6	6.3	5.7	5.4	5.6	5.3	5.2	1.4	3.3	1.4	1.3	1.8

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	154.3	250.9	289.6	365.5	440.7	100	100	100	100	100	3.3	2.9	2.4	1.9
Coal	119.0	201.1	218.0	272.8	317.7	77.1	80.1	75.3	74.6	72.1	3.6	1.6	2.3	1.5	1.8
Oil	4.2	1.9	1.1	1.2	1.4	2.7	0.8	0.4	0.3	0.3	-5.1	-11.3	1.1	1.6	-1.3
Natural gas	16.4	29.3	46.0	63.4	84.0	10.6	11.7	15.9	17.4	19.1	4.0	9.5	3.3	2.9	4.3
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	14.1	15.7	15.9	16.3	18.4	9.2	6.3	5.5	4.5	4.2	0.7	0.3	0.2	1.2	0.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.6	2.9	8.6	11.8	19.2	0.4	1.2	3.0	3.2	4.3	11.1	24.2	3.2	5.0	7.8

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	35.1	60.1	65.2	76.0	85.6	100	100	100	100	100	3.7	1.7	1.5	1.2
Coal	28.8	49.0	49.7	56.6	60.5	82.1	81.6	76.2	74.5	70.6	3.6	0.3	1.3	0.7	0.8
Oil	0.9	0.6	0.3	0.3	0.3	2.5	0.9	0.4	0.4	0.3	-2.8	-12.6	-0.3	0.4	-2.6
Natural gas	3.5	7.9	11.1	12.7	14.5	9.9	13.1	17.0	16.7	16.9	5.6	7.1	1.4	1.3	2.5

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	36.2	34.8	37.1	40.5	43.6						-0.3	1.3	0.9	0.7
Coal	35.5	35.3	37.7	41.4	45.2						0.0	1.4	0.9	0.9	1.0
Oil	41.5	29.1	31.3	35.7	40.0						-2.3	1.5	1.3	1.1	1.3
Natural gas	40.5	32.1	35.7	42.9	50.0						-1.6	2.2	1.9	1.5	1.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	72.9	103.4	111.4	131.5	146.6						2.4	1.5	1.7	1.1

Energy and economic indicators	1990	2005	2010	2020	2030	AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	280.6	468.4	543.0	715.7	898.4	3.5	3.0	2.8	2.3
Population (millions of people)	17.1	20.3	21.5	23.6	25.5	1.2	1.2	0.9	0.8	0.9
GDP per capita (thousands of 2000 USD/person)	16.4	23.0	25.2	30.3	35.3	2.3	1.8	1.9	1.5	1.7
Primary energy consumption per capita (toe/person)	5.1	6.0	6.2	6.8	7.1	1.0	0.8	0.8	0.5	0.7
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	312	260	248	223	202	-1.2	-1.0	-1.0	-1.0	-1.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	260	221	205	184	163	-1.1	-1.5	-1.1	-1.2	-1.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.83	0.85	0.83	0.82	0.81	0.1	-0.5	-0.1	-0.2	-0.2
Automobile ownership volume (millions of vehicles)	9.8	13.5	15.1	18.4	21.6	2.2	2.3	1.9	1.6	1.9
Automobile ownership volume per capita (vehicles per person)	0.57	0.66	0.70	0.78	0.85	1.0	1.2	1.0	0.9	1.0

Australia [APS]

Primary energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	87.5	122.0	132.0	139.2	140.0	100	100	100	100	100	2.2	1.6	0.5	0.1	0.6
Coal	35.0	54.3	54.3	49.2	37.6	40.0	44.5	41.2	35.4	26.9	3.0	0.0	-1.0	-2.6	-1.5
Oil	32.5	37.9	40.4	44.3	44.1	37.1	31.1	30.6	31.8	31.5	1.0	1.3	0.9	0.0	0.6
Natural gas	14.8	23.0	28.6	32.6	33.0	16.9	18.9	21.7	23.4	23.6	3.0	4.4	1.3	0.1	1.4
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	1.4	1.4	1.6	1.4	1.1	1.0	1.0	1.1	0.7	0.3	0.2	1.2	0.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	4.0	5.4	7.2	11.7	23.7	4.6	4.4	5.5	8.4	16.9	1.9	6.1	4.9	7.4	6.1

Final energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	58.1	76.5	84.9	94.4	97.9	100	100	100	100	100	1.9	2.1	1.1	0.4	1.0
Industry	21.5	26.1	29.9	33.1	34.5	37.1	34.2	35.2	35.1	35.2	1.3	2.7	1.0	0.4	1.1
Transportation	22.7	30.2	32.9	37.1	38.8	39.1	39.5	38.7	39.3	39.7	1.9	1.7	1.2	0.5	1.0
Others	12.3	18.1	20.1	22.0	22.2	21.2	23.7	23.7	23.3	22.7	2.6	2.1	0.9	0.1	0.8
Non-energy	1.6	2.0	2.1	2.2	2.4	2.7	2.6	2.4	2.3	2.4	1.6	0.7	0.7	0.7	0.7

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	58.1	76.5	84.9	94.4	97.9	100	100	100	100	100	1.9	2.1	1.1	0.4	1.0
Coal	4.3	3.5	3.7	3.6	2.9	7.4	4.5	4.4	3.8	3.0	-1.4	1.4	-0.4	-2.1	-0.7
Oil	30.5	39.2	41.4	44.7	43.9	52.6	51.2	48.8	47.4	44.9	1.7	1.1	0.8	-0.2	0.5
Natural gas	8.8	12.0	14.6	16.6	17.2	15.2	15.7	17.2	17.6	17.6	2.1	4.0	1.3	0.3	1.5
Electricity	11.1	17.8	20.3	22.8	23.5	19.1	23.2	24.0	24.1	24.0	3.2	2.8	1.1	0.3	1.1
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	4.8	6.7	10.3	5.7	5.4	5.7	7.1	10.5	1.4	3.3	3.2	4.5	3.8

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	154.3	250.9	283.0	316.8	326.8	100	100	100	100	100	3.3	2.4	1.1	0.3	1.1
Coal	119.0	201.1	214.3	226.3	196.9	77.1	80.1	75.7	71.4	60.3	3.6	1.3	0.5	-1.4	-0.1
Oil	4.2	1.9	1.0	1.0	1.0	2.7	0.8	0.4	0.3	0.3	-5.1	-11.8	0.2	-0.2	-2.5
Natural gas	16.4	29.3	43.1	54.1	55.4	10.6	11.7	15.2	17.1	17.0	4.0	8.0	2.3	0.2	2.6
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	14.1	15.7	15.9	16.3	18.4	9.2	6.3	5.6	5.1	5.6	0.7	0.3	0.2	1.2	0.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.6	2.9	8.6	19.1	55.0	0.4	1.2	3.0	6.0	16.8	11.1	24.2	8.3	11.2	12.5

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	35.1	60.1	63.7	62.7	59.6	100	100	100	100	100	3.7	1.2	-0.2	-0.5	0.0
Coal	28.8	49.0	48.8	44.0	33.2	82.1	81.6	76.7	70.1	55.6	3.6	-0.1	-1.0	-2.8	-1.6
Oil	0.9	0.6	0.3	0.3	0.2	2.5	0.9	0.4	0.4	0.4	-2.8	-13.1	-1.1	-1.4	-3.7
Natural gas	3.5	7.9	10.4	10.1	8.7	9.9	13.1	16.3	16.2	14.5	5.6	5.7	-0.2	-1.6	0.4

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	36.2	34.8	37.1	43.0	48.8						-0.3	1.3	1.5	1.3	1.4
Coal	35.5	35.3	37.7	44.3	51.0						0.0	1.4	1.6	1.4	1.5
Oil	41.5	29.1	31.3	35.7	40.0						-2.3	1.5	1.3	1.1	1.3
Natural gas	40.5	32.1	35.7	45.9	55.0						-1.6	2.2	2.5	1.8	2.2

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	72.9	103.4	109.1	109.3	96.7						2.4	1.1	0.0	-1.2	-0.3

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
GDP (billions of 2000 US dollars)	280.6	468.4	543.0	715.7	898.4	3.5	3.0	2.8	2.3	2.6
Population (millions of people)	17.1	20.3	21.5	23.6	25.5	1.2	1.2	0.9	0.8	0.9
GDP per capita (thousands of 2000 USD/person)	16.4	23.0	25.2	30.3	35.3	2.3	1.8	1.9	1.5	1.7
Primary energy consumption per capita (toe/person)	5.1	6.0	6.1	5.9	5.5	1.0	0.4	-0.4	-0.7	-0.3
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	312	260	243	194	156	-1.2	-1.4	-2.2	-2.2	-2.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	260	221	201	153	108	-1.1	-1.9	-2.7	-3.4	-2.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.83	0.85	0.83	0.78	0.69	0.1	-0.5	-0.5	-1.3	-0.8
Automobile ownership volume (millions of vehicles)	9.8	13.5	15.1	18.4	21.6	2.2	2.3	1.9	1.6	1.9
Automobile ownership volume per capita (vehicles per person)	0.57	0.66	0.70	0.78	0.85	1.0	1.2	1.0	0.9	1.0

Brunei Darussalam [BAU] = [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.8	2.6	2.9	3.6	4.6	100	100	100	100	100	2.5	2.2	2.1	2.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Oil	0.1	0.8	0.8	1.0	1.3	6.8	29.9	28.1	28.4	27.6	13.2	0.9	2.2	2.3	2.0
Natural gas	1.7	1.8	2.1	2.6	3.4	93.2	70.1	71.9	71.6	72.4	0.6	2.7	2.1	2.7	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.4	0.8	1.6	2.2	2.7	100	100	100	100	100	4.4	14.5	3.6	2.0
Industry	0.1	0.1	0.8	1.0	0.9	24.3	18.4	48.1	46.1	34.5	2.5	38.7	3.1	-0.9	7.7
Transportation	0.2	0.4	0.5	0.6	0.8	53.5	50.2	30.3	27.7	29.6	3.9	3.5	2.6	2.7	2.8
Others	0.1	0.2	0.3	0.6	0.9	19.6	29.1	20.2	24.9	34.6	7.2	6.4	5.8	5.4	5.7
Non-energy	0.0	0.0	0.0	0.0	0.0	2.5	2.3	1.4	1.3	1.3	3.7	3.5	2.6	2.7	2.8

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.4	0.8	1.6	2.2	2.7	100	100	100	100	100	4.4	14.5	3.6	2.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Oil	0.3	0.6	0.7	0.9	1.1	79.4	70.9	42.8	39.1	41.8	3.6	3.5	2.6	2.7	2.8
Natural gas	0.0	0.0	0.6	0.8	0.6	0.0	0.0	36.7	35.2	22.1	-	-	3.1	-2.7	-
Electricity	0.1	0.2	0.3	0.6	1.0	20.6	29.1	20.4	25.7	36.1	6.8	6.6	6.0	5.5	5.9
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.2	2.9	4.1	7.2	12.1	100	100	100	100	100	6.3	7.3	5.7	5.4
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	1.0	0.7	0.7	0.7	6.7	0.0	5.7	5.4	4.4
Natural gas	1.2	2.9	4.1	7.1	12.0	99.1	99.0	99.3	99.3	99.3	6.3	7.3	5.7	5.4	5.9
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	0.0	0.0	-	-	-	-	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.5	1.0	1.5	2.6	4.3	100	100	100	100	100	5.1	8.6	5.7	5.4
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	0.7	0.7	0.7	0.7	0.7	5.8	7.2	5.7	5.4	5.9
Natural gas	0.5	1.0	1.5	2.6	4.3	99.3	99.3	99.3	99.3	99.3	5.1	8.6	5.7	5.4	6.1

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.8	25.5	25.5	25.5	25.5						1.1	0.0	0.0	0.0
Coal	0.0	0.0	0.0	0.0	0.0						-	-	-	-	-
Oil	30.4	34.4	34.4	34.4	34.4						0.8	0.0	0.0	0.0	0.0
Natural gas	21.7	25.5	25.5	25.5	25.5						1.1	0.0	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.2	1.8	2.0	2.5	3.2						3.0	2.1	2.1	2.5

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	3.8	4.9	6.0	8.8	12.4	1.8	4.2	3.8	3.5
Population (millions of people)	0.3	0.4	0.4	0.5	0.6	2.5	2.1	1.7	1.3	1.6
GDP per capita (thousands of 2000 USD/person)	14.6	13.1	14.6	17.8	22.0	-0.7	2.1	2.0	2.1	2.1
Primary energy consumption per capita (toe/person)	7.0	7.0	7.1	7.3	8.3	0.0	0.1	0.4	1.2	0.7
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	479	534	484	412	375	0.7	-1.9	-1.6	-0.9	-1.4
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	310	369	334	284	258	1.2	-2.0	-1.6	-0.9	-1.4
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.65	0.69	0.69	0.69	0.69	0.5	-0.1	0.0	0.0	0.0
Road vehicle ownership volume (millions of vehicles)	0.1	0.2	0.2	0.3	0.4	3.9	3.0	2.6	2.5	2.6
Road vehicle ownership volume per capita (vehicles per person)	0.47	0.57	0.59	0.65	0.72	1.3	0.9	0.9	1.1	1.0

Cambodia [BAU] = [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	0.5	1.2	2.0	3.8	6.3	100	100	100	100	100	9.9	10.0	6.6	5.2	6.7
Coal	0.0	0.0	0.3	1.2	2.7	0.0	0.0	16.9	31.3	42.0	-	-	13.4	8.4	-
Oil	0.5	1.2	1.7	2.6	3.6	100.0	99.3	82.4	67.5	56.6	9.9	6.0	4.5	3.4	4.3
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	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.7	1.2	1.4	-	10.1	12.6	6.8	9.7
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	-	-	-	-	-

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	0.4	1.1	1.5	2.6	3.8	100	100	100	100	100	10.9	7.5	5.3	4.0	5.2
Industry	0.0	0.1	0.1	0.2	0.5	0.8	5.1	5.7	8.2	12.8	33.5	10.0	9.2	8.8	9.2
Transportation	0.3	0.5	0.7	1.2	1.6	75.1	43.7	48.0	48.1	43.4	5.1	9.5	5.3	2.9	5.2
Others	0.1	0.4	0.6	0.9	1.4	24.1	40.5	37.6	36.8	37.4	16.9	5.9	5.1	4.2	4.9
Non-energy	0.0	0.1	0.1	0.2	0.2	0.0	10.7	8.7	6.9	6.3	-	3.0	3.0	3.0	3.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	0.4	1.1	1.5	2.6	3.8	100	100	100	100	100	10.9	7.5	5.3	4.0	5.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Oil	0.4	1.0	1.3	2.1	2.8	97.6	92.9	87.2	80.1	72.5	10.4	6.1	4.4	2.9	4.2
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	0.5	1.0	2.4	7.1	12.8	19.9	27.5	23.8	20.8	10.1	7.4	11.0
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	TWh					Share, %					AAGR(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	0.2	1.2	3.0	7.8	16.0	100	100	100	100	100	19.4	20.8	10.1	7.4	11.0
Coal	0.0	0.0	1.5	5.1	11.5	0.0	0.0	48.6	65.3	71.4	-	-	13.4	8.4	-
Oil	0.2	1.1	1.4	2.2	3.6	100.0	91.5	46.1	28.0	22.2	18.4	5.3	4.7	5.0	4.9
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	0.1	0.2	0.5	1.0	0.0	8.5	5.4	6.7	6.4	-	10.1	12.6	6.8	9.7
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(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	0.1	0.2	0.7	1.7	3.6	100	100	100	100	100	7.8	26.4	9.9	7.4	12.0
Coal	0.0	0.0	0.3	1.2	2.7	0.0	0.0	50.2	68.1	74.4	-	-	13.3	8.4	-
Oil	0.1	0.2	0.3	0.5	0.8	100.0	95.9	47.7	29.3	23.2	7.3	10.0	4.7	5.0	5.8
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	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total	17.2	45.8	37.0	37.0	37.0						10.3	-4.2	0.0	0.0	-0.8
Coal			37.0	37.0	37.0						-	-	0.0	0.0	-
Oil	17.2	45.8	36.9	37.0	37.0						10.3	-4.2	0.0	0.0	-0.8
Natural gas											-	-	-	-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1995	2005	2010	2020	2030	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
											2005	2010	2020	2030	2030
Total		1.1	1.8	3.5	6.0						-	11.0	6.9	5.5	7.2

Energy and economic indicators						AAGR(%)				
	1995	2005	2010	2020	2030	1995-	2005-	2010-	2020-	2005-
GDP (billions of 2000 US dollars)	2.4	5.0	7.0	13.8	27.1	7.6	7.0	7.0	7.0	7.0
Population (millions of people)	11.1	13.8	14.9	17.3	20.0	2.2	1.5	1.5	1.5	1.5
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	0.8	1.4	5.2	5.4	5.4	5.4	5.4
Primary energy consumption per capita (toe/person)	0.0	0.1	0.1	0.2	0.3	7.5	8.4	5.0	3.7	5.1
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	201	250	287	276	234	2.2	2.8	-0.4	-1.7	-0.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)		214	257	256	223		3.7	-0.1	-1.4	0.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)		0.86	0.90	0.93	0.95		0.9	0.3	0.3	0.4
Road vehicle ownership volume (millions of vehicles)							-	-	-	-
Road vehicle ownership volume per capita (vehicles per person)							-	-	-	-

China [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	662.8	1,493.6	1,904.2	2,497.8	3,110.4	100	100	100	100	100	5.6	5.0	2.8	2.2
Coal	528.5	1,087.6	1,351.5	1,562.6	1,714.9	79.7	72.8	71.0	62.6	55.1	4.9	4.4	1.5	0.9	1.8
Oil	110.4	318.4	395.7	563.1	741.2	16.7	21.3	20.8	22.5	23.8	7.3	4.4	3.6	2.8	3.4
Natural gas	12.8	40.1	60.8	144.6	355.6	1.9	2.7	3.2	5.8	11.4	7.9	8.7	9.1	9.4	9.1
Nuclear	0.0	13.8	21.0	65.8	91.3	0.0	0.9	1.1	2.6	2.9	-	8.7	12.1	3.3	7.8
Hydro	10.9	34.1	52.1	69.7	76.0	1.6	2.3	2.7	2.8	2.4	7.9	8.8	3.0	0.9	3.3
Geothermal	0.0	0.0	0.1	0.3	0.8	0.0	0.0	0.0	0.0	0.0	-	-	15.8	9.8	-
Others	0.2	-0.5	23.0	91.7	130.6	0.0	0.0	1.2	3.7	4.2	-208.4	-312.4	14.8	3.6	-224.6

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	462.5	890.3	1,148.8	1,535.7	1,937.8	100	100	100	100	100	4.5	5.2	2.9	2.4
Industry	258.8	517.8	665.2	784.2	843.1	56.0	58.2	57.9	51.1	43.5	4.7	5.1	1.7	0.7	2.0
Transportation	37.2	114.2	154.6	260.8	388.9	8.0	12.8	13.5	17.0	20.1	7.8	6.2	5.4	4.1	5.0
Others	142.1	208.4	274.7	427.9	635.5	30.7	23.4	23.9	27.9	32.8	2.6	5.7	4.5	4.0	4.6
Non-energy	24.5	49.9	54.3	62.8	70.3	5.3	5.6	4.7	4.1	3.6	4.9	1.7	1.5	1.1	1.4

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	462.5	890.3	1,148.8	1,535.7	1,937.8	100	100	100	100	100	4.5	5.2	2.9	2.4
Coal	314.7	373.3	442.5	455.7	433.4	68.0	41.9	38.5	29.7	22.4	1.1	3.5	0.3	-0.5	0.6
Oil	83.4	270.4	352.6	531.2	726.8	18.0	30.4	30.7	34.6	37.5	8.2	5.4	4.2	3.2	4.0
Natural gas	9.7	31.9	49.9	99.4	186.0	2.1	3.6	4.3	6.5	9.6	8.2	9.4	7.1	6.5	7.3
Electricity	41.4	171.4	243.3	352.5	459.0	9.0	19.2	21.2	23.0	23.7	9.9	7.3	3.8	2.7	4.0
Heat	13.2	43.4	58.5	86.6	115.5	2.9	4.9	5.1	5.6	6.0	8.2	6.2	4.0	2.9	4.0
Others	0.0	0.0	2.1	10.2	16.9	0.0	0.0	0.2	0.7	0.9	-	-	17.0	5.2	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	621.2	2,497.4	3,474.4	4,970.0	6,421.0	100	100	100	100	100	9.7	6.8	3.6	2.6
Coal	442.8	1,972.3	2,655.7	3,472.8	4,195.2	71.3	79.0	76.4	69.9	65.3	10.5	6.1	2.7	1.9	3.1
Oil	49.0	60.6	59.1	57.1	56.0	7.9	2.4	1.7	1.1	0.9	1.4	-0.5	-0.4	-0.2	-0.3
Natural gas	2.8	11.9	33.1	182.0	647.8	0.4	0.5	1.0	3.7	10.1	10.2	22.6	18.6	13.5	17.3
Nuclear	0.0	53.1	80.4	252.3	350.5	0.0	2.1	2.3	5.1	5.5	-	8.7	12.1	3.3	7.8
Hydro	126.7	397.0	606.2	810.8	883.5	20.4	15.9	17.4	16.3	13.8	7.9	8.8	3.0	0.9	3.3
Geothermal	0.0	0.0	0.1	0.4	0.9	0.0	0.0	0.0	0.0	0.0	-	-	15.8	9.8	-
Others	0.0	2.5	39.8	194.5	287.1	0.0	0.1	1.1	3.9	4.5	-	73.8	17.2	4.0	20.9

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	155.7	593.5	750.8	997.8	1,249.9	100	100	100	100	100	9.3	4.8	2.9	2.3
Coal	131.8	527.6	656.6	812.0	943.2	84.7	88.9	87.5	81.4	75.5	9.7	4.5	2.1	1.5	2.4
Oil	12.4	15.3	13.8	12.7	12.0	7.9	2.6	1.8	1.3	1.0	1.4	-2.0	-0.9	-0.6	-1.0
Natural gas	0.6	2.6	7.1	37.3	126.6	0.4	0.4	0.9	3.7	10.1	10.2	22.0	18.0	13.0	16.7

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	29.4	32.2	34.9	37.0	38.9						0.6	1.6	0.6	0.5
Coal	28.9	32.1	34.8	36.8	38.3						0.7	1.6	0.6	0.4	0.7
Oil	34.0	34.1	36.8	38.8	40.2						0.0	1.5	0.5	0.4	0.7
Natural gas	38.9	38.9	39.9	42.0	44.0						0.0	0.5	0.5	0.5	0.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	671.4	1,466.8	1,799.8	2,204.7	2,632.6						5.3	4.2	2.0	1.8

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	444.6	1,889.9	3,085.7	5,542.2	8,594.4	10.1	10.3	6.0	4.5	6.2	10.1	10.3	6.0	4.5
Population (millions of people)	#####	#####	#####	#####	#####	0.9	0.6	0.5	0.3	0.4	0.9	0.6	0.5	0.3	0.4
GDP per capita (thousands of 2000 USD/person)	0.4	1.4	2.3	3.9	5.9	9.1	9.7	5.5	4.2	5.8	9.1	9.7	5.5	4.2	5.8
Primary energy consumption per capita (toe/person)	0.6	1.1	1.4	1.8	2.1	4.6	4.4	2.2	2.0	2.5	4.6	4.4	2.2	2.0	2.5
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	1.491	790	617	451	362	-4.1	-4.8	-3.1	-2.2	-3.1	-4.1	-4.8	-3.1	-2.2	-3.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	1,510	776	583	398	306	-4.3	-5.6	-3.8	-2.6	-3.7	-4.3	-5.6	-3.8	-2.6	-3.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	1.01	0.98	0.95	0.88	0.85	-0.2	-0.8	-0.7	-0.4	-0.6	-0.2	-0.8	-0.7	-0.4	-0.6
Road vehicle ownership volume (millions of vehicles)	5.5	31.8	45.7	116.4	232.6	12.4	7.5	9.8	7.2	8.3	12.4	7.5	9.8	7.2	8.3
Road vehicle ownership volume per capita (vehicles per person)	0.00	0.02	0.03	0.08	0.16	11.4	6.9	9.3	6.9	7.8	11.4	6.9	9.3	6.9	7.8

China [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	662.8	1,493.6	1,785.6	2,130.7	2,475.3	100	100	100	100	100	5.6	3.6	1.8	1.5
Coal	528.5	1,087.6	1,247.0	1,257.2	1,208.7	79.7	72.8	69.8	59.0	48.8	4.9	2.8	0.1	-0.4	0.4
Oil	110.4	318.4	382.3	485.3	554.6	16.7	21.3	21.4	22.8	22.4	7.3	3.7	2.4	1.3	2.2
Natural gas	12.8	40.1	59.3	132.3	332.9	1.9	2.7	3.3	6.2	13.4	7.9	8.1	8.4	9.7	8.8
Nuclear	0.0	13.8	21.6	73.1	127.9	0.0	0.9	1.2	3.4	5.2	-	9.3	13.0	5.8	9.3
Hydro	10.9	34.1	52.1	69.7	76.0	1.6	2.3	2.9	3.3	3.1	7.9	8.8	3.0	0.9	3.3
Geothermal	0.0	0.0	0.1	0.3	0.8	0.0	0.0	0.0	0.0	0.0	-	-	15.8	9.8	-
Others	0.2	-0.5	23.1	112.8	174.4	0.0	0.0	1.3	5.3	7.0	-208.4	-312.7	17.2	4.5	-226.1

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	462.5	890.3	1,105.4	1,357.8	1,595.7	100	100	100	100	100	4.5	4.4	2.1	1.6
Industry	258.8	517.8	643.6	716.9	745.6	56.0	58.2	58.2	52.8	46.7	4.7	4.4	1.1	0.4	1.5
Transportation	37.2	114.2	148.0	226.1	296.2	8.0	12.8	13.4	16.7	18.6	7.8	5.3	4.3	2.7	3.9
Others	142.1	208.4	259.5	352.0	483.6	30.7	23.4	23.5	25.9	30.3	2.6	4.5	3.1	3.2	3.4
Non-energy	24.5	49.9	54.3	62.8	70.3	5.3	5.6	4.9	4.6	4.4	4.9	1.7	1.5	1.1	1.4
Energy source	462.5	890.3	1,105.4	1,357.8	1,595.7	100	100	100	100	100	4.5	4.4	2.1	1.6	2.4
Coal	314.7	373.3	424.9	401.2	356.2	68.0	41.9	38.4	29.5	22.3	1.1	2.6	-0.6	-1.2	-0.2
Oil	83.4	270.4	338.4	456.1	550.0	18.0	30.4	30.6	33.6	34.5	8.2	4.6	3.0	1.9	2.9
Natural gas	9.7	31.9	48.6	92.0	171.9	2.1	3.6	4.4	6.8	10.8	8.2	8.8	6.6	6.5	7.0
Electricity	41.4	171.4	234.8	316.7	391.1	9.0	19.2	21.2	23.3	24.5	9.9	6.5	3.0	2.1	3.4
Heat	13.2	43.4	56.6	79.1	102.7	2.9	4.9	5.1	5.8	6.4	8.2	5.4	3.4	2.6	3.5
Others	0.0	0.0	2.3	12.7	23.7	0.0	0.0	0.2	0.9	1.5	-	-	18.9	6.4	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	621.2	2,497.4	3,299.7	4,351.3	5,300.2	100	100	100	100	100	9.7	5.7	2.8	2.0
Coal	442.8	1,972.3	2,477.9	2,782.9	2,809.0	71.3	79.0	75.1	64.0	53.0	10.5	4.7	1.2	0.1	1.4
Oil	49.0	60.6	59.1	57.1	56.0	7.9	2.4	1.8	1.3	1.1	1.4	-0.5	-0.4	-0.2	-0.3
Natural gas	2.8	11.9	33.8	192.6	707.7	0.4	0.5	1.0	4.4	13.4	10.2	23.1	19.0	13.9	17.7
Nuclear	0.0	53.1	82.9	280.4	490.6	0.0	2.1	2.5	6.4	9.3	-	9.3	13.0	5.8	9.3
Hydro	126.7	397.0	606.2	810.8	883.5	20.4	15.9	18.4	18.6	16.7	7.9	8.8	3.0	0.9	3.3
Geothermal	0.0	0.0	0.1	0.4	0.9	0.0	0.0	0.0	0.0	0.0	-	-	15.8	9.8	-
Others	0.0	2.5	39.8	227.1	352.5	0.0	0.1	1.2	5.2	6.7	-	73.8	19.0	4.5	21.9

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	155.7	593.5	671.7	783.1	902.0	100	100	100	100	100	9.3	2.5	1.5	1.4
Coal	131.8	527.6	577.7	591.2	560.1	84.7	88.9	86.0	75.5	62.1	9.7	1.8	0.2	-0.5	0.2
Oil	12.4	15.3	13.1	11.6	10.7	7.9	2.6	1.9	1.5	1.2	1.4	-3.1	-1.2	-0.8	-1.4
Natural gas	0.6	2.6	7.1	37.3	126.6	0.4	0.4	1.1	4.8	14.0	10.2	22.0	18.0	13.0	16.7

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	29.4	32.2	37.0	40.8	44.1						0.6	2.8	1.0	0.8
Coal	28.9	32.1	36.9	40.5	43.1						0.7	2.8	0.9	0.6	1.2
Oil	34.0	34.1	38.9	42.5	45.1						0.0	2.6	0.9	0.6	1.1
Natural gas	38.9	38.9	40.7	44.4	48.1						0.0	0.9	0.9	0.8	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	671.4	1,466.8	1,674.6	1,803.1	1,913.8						5.3	2.7	0.7	0.6

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	444.6	1,889.9	3,085.7	5,542.2	8,594.4	10.1	10.3	6.0	4.5	6.2	10.1	10.3	6.0	4.5
Population (millions of people)	#####	#####	#####	#####	#####	0.9	0.6	0.5	0.3	0.4	0.9	0.6	0.5	0.3	0.4
GDP per capita (thousands of 2000 USD/person)	0.4	1.4	2.3	3.9	5.9	9.1	9.7	5.5	4.2	5.8	9.1	9.7	5.5	4.2	5.8
Primary energy consumption per capita (toe/person)	0.6	1.1	1.3	1.5	1.7	4.6	3.0	1.3	1.2	1.6	4.6	3.0	1.3	1.2	1.6
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	1.491	790	579	384	288	-4.1	-6.0	-4.0	-2.8	-4.0	-4.1	-6.0	-4.0	-2.8	-4.0
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	1,510	776	543	325	223	-4.3	-6.9	-5.0	-3.7	-4.9	-4.3	-6.9	-5.0	-3.7	-4.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	1.01	0.98	0.94	0.85	0.77	-0.2	-0.9	-1.0	-0.9	-1.0	-0.2	-0.9	-1.0	-0.9	-1.0
Road vehicle ownership volume (millions of vehicles)	5.5	31.8	45.7	116.4	232.6	12.4	7.5	9.8	7.2	8.3	12.4	7.5	9.8	7.2	8.3
Road vehicle ownership volume per capita (vehicles per person)	0.00	0.02	0.03	0.08	0.16	11.4	6.9	9.3	6.9	7.8	11.4	6.9	9.3	6.9	7.8

India [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	186.4	379.3	439.1	755.6	1,375.2	100	100	100	100	100	4.8	3.0	5.6	6.2
Coal	106.1	208.0	204.5	258.6	498.9	56.9	54.8	46.6	34.2	36.3	4.6	-0.3	2.4	6.8	3.6
Oil	62.6	128.6	153.4	261.0	474.1	33.6	33.9	34.9	34.5	34.5	4.9	3.6	5.5	6.1	5.4
Natural gas	9.8	28.8	49.1	128.4	190.4	5.3	7.6	11.2	17.0	13.8	7.4	11.2	10.1	4.0	7.8
Nuclear	1.6	4.5	13.7	71.1	141.4	0.9	1.2	3.1	9.4	10.3	7.2	24.9	17.9	7.1	14.8
Hydro	6.2	8.6	16.1	28.2	43.6	3.3	2.3	3.7	3.7	3.2	2.2	13.3	5.8	4.5	6.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.1	0.8	2.3	8.4	26.8	0.1	0.2	0.5	1.1	1.9	13.2	23.9	13.9	12.3	15.2

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	116.8	199.1	263.6	462.8	824.5	100	100	100	100	100	3.6	5.8	5.8	5.9
Industry	60.4	90.3	125.4	202.8	312.9	51.7	45.3	47.6	43.8	38.0	2.7	6.8	4.9	4.4	5.1
Transportation	20.3	37.0	47.8	91.7	203.0	17.4	18.6	18.1	19.8	24.6	4.1	5.2	6.7	8.3	7.0
Others	32.5	58.5	71.6	131.0	235.2	27.8	29.4	27.1	28.3	28.5	4.0	4.1	6.2	6.0	5.7
Non-energy	3.6	13.4	18.9	37.3	73.4	3.1	6.7	7.2	8.1	8.9	9.2	7.1	7.0	7.0	7.0
Energy source	116.8	199.1	263.6	462.8	824.5	100	100	100	100	100	3.6	5.8	5.8	5.9	5.8
Coal	41.3	37.7	55.2	79.0	95.4	35.4	18.9	20.9	17.1	11.6	-0.6	7.9	3.6	1.9	3.8
Oil	51.7	106.3	135.8	238.1	436.5	44.2	53.4	51.5	51.4	52.9	4.9	5.0	5.8	6.2	5.8
Natural gas	5.6	13.9	17.5	30.9	56.0	4.8	7.0	6.7	6.7	6.8	6.2	4.7	5.8	6.1	5.7
Electricity	18.2	41.1	53.5	107.2	210.5	15.6	20.6	20.3	23.2	25.5	5.6	5.4	7.2	7.0	6.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	0.1	1.6	7.7	26.0	0.0	0.1	0.6	1.7	3.2	-	72.4	17.2	13.0	24.8

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	289.4	699.0	909.1	1,822.4	3,580.7	100	100	100	100	100	6.1	5.4	7.2	7.0
Coal	191.6	480.0	485.1	646.7	1,695.1	66.2	68.7	53.4	35.5	47.3	6.3	0.2	2.9	10.1	5.2
Oil	10.0	31.2	10.1	8.5	12.6	3.5	4.5	1.1	0.5	0.4	7.9	-20.2	-1.7	4.0	-3.6
Natural gas	10.0	62.5	163.3	545.4	782.6	3.4	8.9	18.0	29.9	21.9	13.0	21.2	12.8	3.7	10.6
Nuclear	6.1	17.3	52.7	272.8	542.8	2.1	2.5	5.8	15.0	15.2	7.2	24.9	17.9	7.1	14.8
Hydro	71.7	100.0	187.0	327.7	507.2	24.8	14.3	20.6	18.0	14.2	2.2	13.3	5.8	4.5	6.7
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	8.1	10.9	21.3	40.5	0.0	1.2	1.2	1.2	1.1	44.6	6.2	6.9	6.6	6.7

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	74.6	191.3	191.2	337.8	659.9	100	100	100	100	100	6.5	0.0	5.9	6.9
Coal	58.0	155.5	128.1	140.6	333.6	77.8	81.3	67.0	41.6	50.5	6.8	-3.8	0.9	9.0	3.1
Oil	5.3	8.2	2.8	2.4	3.5	7.1	4.3	1.5	0.7	0.5	2.9	-19.4	-1.7	4.0	-3.3
Natural gas	3.5	12.8	27.4	86.5	118.0	4.6	6.7	14.3	25.6	17.9	9.1	16.4	12.2	3.2	9.3

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	28.0	27.9	35.8	45.0	47.1						0.0	5.1	2.3	0.4
Coal	28.4	26.5	32.6	39.6	43.7						-0.4	4.2	2.0	1.0	2.0
Oil	24.1	32.7	31.0	31.0	31.0						2.1	-1.1	0.0	0.0	-0.2
Natural gas	24.7	41.9	51.2	54.2	57.0						3.6	4.1	0.6	0.5	1.2

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	167.2	329.2	348.1	514.6	932.8						4.6	1.1	4.0	6.1

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	273.9	654.8	962.0	2,077.0	4,484.1						6.0	8.0	8.0	8.0
Population (millions of people)	849.5	#####	#####	#####	#####						1.7	1.2	1.3	1.0	1.2
GDP per capita (thousands of 2000 USD/person)	0.3	0.6	0.8	1.6	3.1						4.2	6.7	6.6	7.0	6.8
Primary energy consumption per capita (toe/person)	0.2	0.3	0.4	0.6	0.9						3.1	1.7	4.2	5.2	4.1
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	681	579	456	364	307						-1.1	-4.7	-2.2	-1.7	-2.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	611	503	362	248	208						-1.3	-6.4	-3.7	-1.7	-3.5
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.90	0.87	0.79	0.68	0.68						-0.2	-1.8	-1.5	0.0	-1.0
Road vehicle ownership volume (millions of vehicles)	4.3	15.3	26.8	69.1	215.6						8.8	11.9	9.9	12.1	11.2
Road vehicle ownership volume per capita (vehicles per person)	0.01	0.01	0.02	0.05	0.15						7.0	10.5	8.5	11.0	9.9

Indonesia [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	58.2	128.4	176.5	301.9	520.5	100	100	100	100	100	5.4	6.6	5.5	5.6
Coal	3.9	25.4	38.5	70.0	125.9	6.8	19.8	21.8	23.2	24.2	13.2	8.7	6.2	6.0	6.6
Oil	34.2	65.8	78.3	135.0	232.1	58.8	51.2	44.4	44.7	44.6	4.5	3.5	5.6	5.6	5.2
Natural gas	18.5	30.6	50.5	78.0	125.4	31.8	23.8	28.6	25.8	24.1	3.4	10.5	4.4	4.9	5.8
Nuclear	0.0	0.0	0.0	1.0	3.6	0.0	0.0	0.0	0.3	0.7	-	-	-	14.3	-
Hydro	0.6	0.9	1.3	2.2	3.0	1.0	0.7	0.7	0.7	0.6	3.2	6.5	5.7	3.1	4.8
Geothermal	0.9	5.7	7.9	15.7	30.0	1.6	4.4	4.5	5.2	5.8	12.7	6.9	7.1	6.7	6.9
Others	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.1	-	-	-	-	-

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.2	83.9	121.3	214.4	373.5	100	100	100	100	100	5.6	7.7	5.9	5.7
Industry	16.5	38.6	62.0	95.2	145.0	44.4	46.0	51.1	44.4	38.8	5.8	10.0	4.4	4.3	5.4
Transportation	11.0	25.7	35.1	76.1	148.9	29.7	30.7	28.9	35.5	39.9	5.8	6.4	8.0	6.9	7.3
Others	8.9	18.5	23.1	42.0	78.5	23.8	22.1	19.1	19.6	21.0	5.1	4.5	6.1	6.5	5.9
Non-energy	0.8	1.0	1.0	1.0	1.0	2.1	1.2	0.8	0.5	0.3	2.0	0.0	0.0	0.0	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.2	83.9	121.3	214.4	373.5	100	100	100	100	100	5.6	7.7	5.9	5.7
Coal	0.6	9.6	15.5	24.0	37.1	1.7	11.5	12.8	11.2	9.9	19.8	10.1	4.5	4.4	5.5
Oil	27.6	52.4	66.4	124.4	226.0	74.1	62.4	54.7	58.0	60.5	4.4	4.9	6.5	6.2	6.0
Natural gas	6.6	12.7	26.0	39.3	59.3	17.9	15.2	21.5	18.3	15.9	4.4	15.4	4.2	4.2	6.4
Electricity	2.3	9.2	13.4	26.7	51.1	6.3	11.0	11.0	12.5	13.7	9.6	7.8	7.1	6.7	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	33.3	127.4	184.0	365.4	697.3	100	100	100	100	100	9.3	7.6	7.1	6.7
Coal	10.5	51.8	77.3	159.3	313.8	31.5	40.7	42.0	43.6	45.0	11.2	8.3	7.5	7.0	7.5
Oil	14.2	40.7	31.3	29.2	13.9	42.7	31.9	17.0	8.0	2.0	7.2	-5.1	-0.7	-7.1	-4.2
Natural gas	0.8	17.5	51.5	129.4	278.9	2.3	13.8	28.0	35.4	40.0	23.4	24.0	9.6	8.0	11.7
Nuclear	0.0	0.0	0.0	3.7	13.9	0.0	0.0	0.0	1.0	2.0	-	-	-	14.3	-
Hydro	6.7	10.8	14.7	25.6	34.9	20.2	8.4	8.0	7.0	5.0	3.2	6.5	5.7	3.1	4.8
Geothermal	1.1	6.6	9.2	18.3	34.9	3.3	5.2	5.0	5.0	5.0	12.7	6.9	7.1	6.7	6.9
Others	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	1.0	-	-	-	-	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.4	35.2	49.2	95.5	180.6	100	100	100	100	100	10.0	7.0	6.9	6.6
Coal	2.7	15.8	23.0	46.0	88.8	32.5	44.9	46.7	48.1	49.1	12.4	7.8	7.2	6.8	7.2
Oil	3.8	9.2	7.0	6.3	2.9	45.6	26.3	14.2	6.6	1.6	6.1	-5.4	-1.0	-7.4	-4.5
Natural gas	0.3	3.5	10.1	24.3	51.7	3.8	10.1	20.5	25.5	28.6	17.4	23.3	9.2	7.8	11.3

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.0	33.1	34.4	35.7	36.4						0.2	0.7	0.4	0.2
Coal	33.2	28.2	28.9	29.8	30.4						-1.1	0.5	0.3	0.2	0.3
Oil	32.1	37.9	38.5	39.6	40.8						1.1	0.3	0.3	0.3	0.3
Natural gas	20.2	42.6	43.9	45.7	46.4						5.1	0.6	0.4	0.1	0.3

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	41.6	98.3	134.7	231.7	400.3						5.9	6.5	5.6	5.6

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	109.2	207.7	284.6	534.3	1,002.9						4.4	6.5	6.5	6.5
Population (millions of people)	178.2	219.9	233.7	260.9	287.8						1.4	1.2	1.1	1.0	1.1
GDP per capita (thousands of 2000 USD/person)	0.6	0.9	1.2	2.0	3.5						2.9	5.2	5.3	5.5	5.4
Primary energy consumption per capita (toe/person)	0.3	0.6	0.8	1.2	1.8						4.0	5.3	4.4	4.6	4.6
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	533	618	620	565	519						1.0	0.1	-0.9	-0.8	-0.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	381	473	473	434	399						1.5	0.0	-0.9	-0.8	-0.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.77	0.76	0.77	0.77						0.5	-0.1	0.1	0.0	0.0
Road vehicle ownership volume (millions of vehicles)	2.8	14.5	19.8	37.2	69.9						11.6	6.5	6.5	6.5	6.5
Road vehicle ownership volume per capita (vehicles per person)	0.02	0.07	0.08	0.14	0.24						10.1	5.2	5.3	5.5	5.4

Indonesia [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	58.2	128.4	163.7	274.3	430.5	100	100	100	100	100	5.4	5.0	5.3	4.6
Coal	3.9	25.4	35.1	57.7	87.8	6.8	19.8	21.4	21.0	20.4	13.2	6.7	5.1	4.3	5.1
Oil	34.2	65.8	67.4	112.2	184.3	58.8	51.2	41.2	40.9	42.8	4.5	0.5	5.2	5.1	4.2
Natural gas	18.5	30.6	48.5	73.2	107.8	31.8	23.8	29.6	26.7	25.0	3.4	9.6	4.2	4.0	5.2
Nuclear	0.0	0.0	0.0	0.9	3.2	0.0	0.0	0.0	0.3	0.7	-	-	-	13.5	-
Hydro	0.6	0.9	1.2	2.1	2.6	1.0	0.7	0.7	0.8	0.6	3.2	5.4	5.6	2.4	4.2
Geothermal	0.9	5.7	7.5	14.8	26.1	1.6	4.4	4.6	5.4	6.1	12.7	5.8	7.0	5.9	6.3
Others	0.0	0.0	4.0	13.5	18.7	0.0	0.0	2.4	4.9	4.3	-	-	12.9	3.3	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.2	83.9	112.3	198.6	322.2	100	100	100	100	100	5.6	6.0	5.9	5.0
Industry	16.5	38.6	58.9	89.5	126.1	44.4	46.0	52.5	45.1	39.1	5.8	8.8	4.3	3.5	4.9
Transportation	11.0	25.7	30.4	68.6	126.7	29.7	30.7	27.0	34.5	39.3	5.8	3.4	8.5	6.3	6.6
Others	8.9	18.5	22.0	39.5	68.3	23.8	22.1	19.6	19.9	21.2	5.1	3.5	6.0	5.6	5.4
Non-energy	0.8	1.0	1.0	1.0	1.0	2.1	1.2	0.9	0.5	0.3	2.0	0.0	0.0	0.0	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.2	83.9	112.3	198.6	322.2	100	100	100	100	100	5.6	6.0	5.9	5.0
Coal	0.6	9.6	14.7	22.6	32.3	1.7	11.5	13.1	11.4	10.0	19.8	8.9	4.3	3.6	5.0
Oil	27.6	52.4	56.8	103.0	179.1	74.1	62.4	50.6	51.9	55.6	4.4	1.7	6.1	5.7	5.0
Natural gas	6.6	12.7	24.7	36.9	51.6	17.9	15.2	22.0	18.6	16.0	4.4	14.2	4.1	3.4	5.8
Electricity	2.3	9.2	12.7	25.1	44.4	6.3	11.0	11.3	12.6	13.8	9.6	6.7	7.0	5.9	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	0.0	3.2	11.0	14.8	0.0	0.0	2.9	5.5	4.6	-	-	13.0	3.0	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	33.3	127.4	174.9	343.6	606.8	100	100	100	100	100	9.3	6.5	7.0	5.9
Coal	10.5	51.8	71.8	143.9	264.5	31.5	40.7	41.0	41.9	43.6	11.2	6.7	7.2	6.3	6.7
Oil	14.2	40.7	29.0	26.4	11.8	42.7	31.9	16.6	7.7	1.9	7.2	-6.5	-0.9	-7.8	-4.8
Natural gas	0.8	17.5	47.8	116.8	235.1	2.3	13.8	27.4	34.0	38.7	23.4	22.2	9.3	7.2	10.9
Nuclear	0.0	0.0	0.0	3.4	12.1	0.0	0.0	0.0	1.0	2.0	-	-	-	13.5	-
Hydro	6.7	10.8	14.0	24.1	30.3	20.2	8.4	8.0	7.0	5.0	3.2	5.4	5.6	2.4	4.2
Geothermal	1.1	6.6	8.7	17.2	30.3	3.3	5.2	5.0	5.0	5.0	12.7	5.8	7.0	5.9	6.3
Others	0.0	0.0	3.5	11.8	22.7	0.0	0.0	2.0	3.4	3.7	-	-	13.0	6.8	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.4	35.2	45.6	82.8	135.5	100	100	100	100	100	10.0	5.4	6.1	5.1
Coal	2.7	15.8	20.3	35.1	55.6	32.5	44.9	44.5	42.4	41.0	12.4	5.2	5.6	4.7	5.2
Oil	3.8	9.2	6.4	5.6	2.4	45.6	26.3	14.1	6.7	1.7	6.1	-7.0	-1.4	-8.2	-5.3
Natural gas	0.3	3.5	9.4	21.9	41.9	3.8	10.1	20.6	26.4	30.9	17.4	21.6	8.8	6.7	10.4

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.0	33.1	35.4	39.5	44.1						0.2	1.3	1.1	1.1
Coal	33.2	28.2	30.4	35.3	40.9						-1.1	1.5	1.5	1.5	1.5
Oil	32.1	37.9	38.8	40.8	42.9						1.1	0.5	0.5	0.5	0.5
Natural gas	20.2	42.6	43.7	45.9	48.3						5.1	0.5	0.5	0.5	0.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	41.6	98.3	120.8	196.5	309.2						5.9	4.2	5.0	4.6

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	109.2	207.7	284.6	534.3	1,002.9						4.4	6.5	6.5	6.5
Population (millions of people)	178.2	219.9	233.7	260.9	287.8						1.4	1.2	1.1	1.0	1.1
GDP per capita (thousands of 2000 USD/person)	0.6	0.9	1.2	2.0	3.5						2.9	5.2	5.3	5.5	5.4
Primary energy consumption per capita (toe/person)	0.3	0.6	0.7	1.1	1.5						4.0	3.7	4.1	3.6	3.8
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	533	618	575	513	429						1.0	-1.4	-1.1	-1.8	-1.4
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	381	473	424	368	308						1.5	-2.2	-1.4	-1.7	-1.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.77	0.74	0.72	0.72						0.5	-0.7	-0.3	0.0	-0.3
Road vehicle ownership volume (millions of vehicles)	2.8	14.5	19.8	37.2	69.9						11.6	6.5	6.5	6.5	6.5
Road vehicle ownership volume per capita (vehicles per person)	0.02	0.07	0.08	0.14	0.24						10.1	5.2	5.3	5.5	5.4

Japan [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	444.5	530.5	539.9	547.9	536.4	100	100	100	100	100	1.2	0.4	0.1	-0.2
Coal	77.2	112.1	100.0	100.3	95.4	17.4	21.1	18.5	18.3	17.8	2.5	-2.2	0.0	-0.5	-0.6
Oil	255.0	251.7	242.0	225.7	207.5	57.4	47.4	44.8	41.2	38.7	-0.1	-0.8	-0.7	-0.8	-0.8
Natural gas	44.2	70.5	75.4	80.6	82.9	9.9	13.3	14.0	14.7	15.4	3.2	1.3	0.7	0.3	0.6
Nuclear	52.7	79.4	103.9	121.2	129.5	11.9	15.0	19.3	22.1	24.1	2.8	5.5	1.5	0.7	2.0
Hydro	7.7	6.7	7.6	7.6	7.6	1.7	1.3	1.4	1.4	1.4	-0.9	2.4	0.0	0.1	0.5
Geothermal	1.6	3.0	3.2	3.2	3.2	0.4	0.6	0.6	0.6	0.6	4.4	1.1	0.0	0.0	0.2
Others	6.1	7.0	7.8	9.4	10.4	1.4	1.3	1.4	1.7	1.9	0.9	2.1	1.9	1.0	1.6

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	304.4	350.8	349.7	346.1	335.8	100	100	100	100	100	1.0	-0.1	-0.1	-0.3
Industry	125.7	127.1	125.0	121.4	116.1	41.3	36.2	35.8	35.1	34.6	0.1	-0.3	-0.3	-0.4	-0.4
Transportation	76.7	93.0	91.5	86.1	78.8	25.2	26.5	26.2	24.9	23.5	1.3	-0.3	-0.6	-0.9	-0.7
Others	90.5	121.2	123.3	129.1	131.4	29.7	34.5	35.3	37.3	39.1	2.0	0.4	0.5	0.2	0.3
Non-energy	11.4	9.6	9.8	9.6	9.5	3.8	2.7	2.8	2.8	2.8	-1.2	0.4	-0.2	-0.1	-0.1
Energy source	304.4	350.8	349.7	346.1	335.8	100	100	100	100	100	1.0	-0.1	-0.1	-0.3	-0.2
Coal	31.8	26.1	23.1	21.0	18.7	10.4	7.4	6.6	6.1	5.6	-1.3	-2.4	-0.9	-1.1	-1.3
Oil	189.6	208.4	203.1	189.7	174.5	62.3	59.4	58.1	54.8	52.0	0.6	-0.5	-0.7	-0.8	-0.7
Natural gas	14.3	28.0	28.9	32.3	35.5	4.7	8.0	8.3	9.3	10.6	4.5	0.7	1.1	0.9	1.0
Electricity	64.6	84.6	90.7	98.6	102.7	21.2	24.1	25.9	28.5	30.6	1.8	1.4	0.8	0.4	0.8
Heat	0.2	0.6	0.6	0.6	0.6	0.1	0.2	0.2	0.2	0.2	7.9	-0.9	0.0	0.0	-0.2
Others	3.9	3.2	3.3	3.9	3.7	1.3	0.9	0.9	1.1	1.1	-1.2	0.5	1.7	-0.4	0.6

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	836.7	1,094.2	1,153.6	1,249.1	1,295.9	100	100	100	100	100	1.8	1.1	0.8	0.4
Coal	116.9	309.3	266.8	292.7	291.2	14.0	28.3	23.1	23.4	22.5	6.7	-2.9	0.9	-0.1	-0.2
Oil	249.8	146.0	115.5	93.1	75.8	29.8	13.3	10.0	7.5	5.9	-3.5	-4.6	-2.1	-2.0	-2.6
Natural gas	166.1	231.4	254.5	270.7	291.3	19.9	21.1	22.1	21.7	22.5	2.2	1.9	0.6	0.7	0.9
Nuclear	202.3	304.8	398.8	465.0	496.9	24.2	27.9	34.6	37.2	38.3	2.8	5.5	1.5	0.7	2.0
Hydro	89.3	78.2	88.1	87.9	88.7	10.7	7.1	7.6	7.0	6.8	-0.9	2.4	0.0	0.1	0.5
Geothermal	1.7	3.2	3.4	3.4	3.4	0.2	0.3	0.3	0.3	0.3	4.2	1.1	0.0	0.0	0.2
Others	10.7	21.3	26.4	36.2	48.5	1.3	1.9	2.3	2.9	3.7	4.7	4.4	3.2	3.0	3.3

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	171.8	225.9	241.7	260.2	262.9	100	100	100	100	100	1.8	1.4	0.7	0.1
Coal	25.6	63.0	53.9	56.3	53.6	14.9	27.9	22.3	21.7	20.4	6.2	-3.1	0.4	-0.5	-0.6
Oil	48.8	26.2	21.0	16.9	13.8	28.4	11.6	8.7	6.5	5.2	-4.1	-4.4	-2.1	-2.0	-2.5
Natural gas	33.3	44.0	47.9	49.7	48.7	19.4	19.5	19.8	19.1	18.5	1.9	1.7	0.4	-0.2	0.4

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	42.6	44.3	44.6	45.9	48.8						0.3	0.1	0.3	0.6
Coal	39.2	42.2	42.5	44.7	46.7						0.5	0.1	0.5	0.4	0.4
Oil	44.0	47.9	47.4	47.4	47.4						0.6	-0.2	0.0	0.0	0.0
Natural gas	42.9	45.3	45.7	46.8	51.4						0.4	0.2	0.2	0.9	0.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	294.9	342.0	325.5	317.3	299.8						1.0	-1.0	-0.3	-0.6

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	4,111.3	4,992.8	5,600.7	6,501.4	7,288.2						1.3	2.3	1.5	1.1
Population (millions of people)	123.5	127.8	127.4	123.8	117.2						0.2	-0.1	-0.3	-0.5	-0.3
GDP per capita (thousands of 2000 USD/person)	33.3	39.1	44.0	52.5	62.2						1.1	2.4	1.8	1.7	1.9
Primary energy consumption per capita (toe/person)	3.6	4.2	4.2	4.4	4.6						1.0	0.4	0.4	0.3	0.4
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	108	106	96	84	74						-0.1	-1.9	-1.3	-1.3	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	72	68	58	49	41						-0.3	-3.2	-1.7	-1.7	-2.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.66	0.64	0.60	0.58	0.56						-0.2	-1.3	-0.4	-0.4	-0.6
Road vehicle ownership volume (millions of vehicles)	57.7	74.2	76.6	78.9	77.7						1.7	0.6	0.3	-0.2	0.2
Road vehicle ownership volume per capita (vehicles per person)	0.47	0.58	0.60	0.64	0.66						1.5	0.7	0.6	0.4	0.5

Japan [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	444.5	530.5	535.7	525.3	492.2	100	100	100	100	100	1.2	0.2	-0.2	-0.6
Coal	77.2	112.1	99.7	93.6	85.6	17.4	21.1	18.6	17.8	17.4	2.5	-2.3	-0.6	-0.9	-1.1
Oil	255.0	251.7	241.2	217.8	188.4	57.4	47.4	45.0	41.5	38.3	-0.1	-0.8	-1.0	-1.4	-1.2
Natural gas	44.2	70.5	72.1	70.7	64.5	9.9	13.3	13.5	13.5	13.1	3.2	0.4	-0.2	-0.9	-0.4
Nuclear	52.7	79.4	103.9	121.2	129.5	11.9	15.0	19.4	23.1	26.3	2.8	5.5	1.5	0.7	2.0
Hydro	7.7	6.7	7.6	7.8	7.8	1.7	1.3	1.4	1.5	1.6	-0.9	2.4	0.3	0.0	0.6
Geothermal	1.6	3.0	3.2	3.2	3.2	0.4	0.6	0.6	0.6	0.6	4.4	1.1	0.0	0.0	0.2
Others	6.1	7.0	8.1	11.1	13.3	1.4	1.3	1.5	2.1	2.7	0.9	2.8	3.2	1.9	2.6

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	304.4	350.8	347.9	335.6	311.4	100	100	100	100	100	1.0	-0.2	-0.4	-0.7
Industry	125.7	127.1	124.4	119.5	111.6	41.3	36.2	35.7	35.6	35.8	0.1	-0.4	-0.4	-0.7	-0.5
Transportation	76.7	93.0	91.4	84.0	68.6	25.2	26.5	26.3	25.0	22.0	1.3	-0.3	-0.9	-2.0	-1.2
Others	90.5	121.2	122.3	122.6	121.7	29.7	34.5	35.1	36.5	39.1	2.0	0.2	0.0	-0.1	0.0
Non-energy	11.4	9.6	9.8	9.6	9.5	3.8	2.7	2.8	2.9	3.0	-1.2	0.4	-0.2	-0.1	-0.1
Energy source	304.4	350.8	347.9	335.6	311.4	100	100	100	100	100	1.0	-0.2	-0.4	-0.7	-0.5
Coal	31.8	26.1	22.8	21.9	18.5	10.4	7.4	6.5	6.5	5.9	-1.3	-2.7	-0.4	-1.7	-1.4
Oil	189.6	208.4	202.6	185.5	160.7	62.3	59.4	58.2	55.3	51.6	0.6	-0.6	-0.9	-1.4	-1.0
Natural gas	14.3	28.0	28.8	30.2	33.3	4.7	8.0	8.3	9.0	10.7	4.5	0.6	0.5	1.0	0.7
Electricity	64.6	84.6	89.7	92.8	92.8	21.2	24.1	25.8	27.6	29.8	1.8	1.2	0.3	0.0	0.4
Heat	0.2	0.6	0.6	0.6	0.6	0.1	0.2	0.2	0.2	0.2	7.9	-0.9	0.0	0.0	-0.2
Others	3.9	3.2	3.4	4.6	5.4	1.3	0.9	1.0	1.4	1.7	-1.2	1.2	3.2	1.6	2.1

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	836.7	1,094.2	1,138.3	1,148.0	1,128.4	100	100	100	100	100	1.8	0.8	0.1	-0.2
Coal	116.9	309.3	266.5	251.8	236.5	14.0	28.3	23.4	21.9	21.0	6.7	-2.9	-0.6	-0.6	-1.1
Oil	249.8	146.0	113.9	58.5	25.2	29.8	13.3	10.0	5.1	2.2	-3.5	-4.8	-6.4	-8.1	-6.8
Natural gas	166.1	231.4	238.6	231.3	205.9	19.9	21.1	21.0	20.1	18.2	2.2	0.6	-0.3	-1.2	-0.5
Nuclear	202.3	304.8	398.8	465.0	496.9	24.2	27.9	35.0	40.5	44.0	2.8	5.5	1.5	0.7	2.0
Hydro	89.3	78.2	88.3	90.7	90.7	10.7	7.1	7.8	7.9	8.0	-0.9	2.4	0.3	0.0	0.6
Geothermal	1.7	3.2	3.4	3.4	3.4	0.2	0.3	0.3	0.3	0.3	4.2	1.1	0.0	0.0	0.2
Others	10.7	21.3	28.8	47.3	69.8	1.3	1.9	2.5	4.1	6.2	4.7	6.2	5.1	4.0	4.9

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	171.8	225.9	238.4	239.6	229.4	100	100	100	100	100	1.8	1.1	0.0	-0.4
Coal	25.6	63.0	53.9	48.6	44.1	14.9	27.9	22.6	20.3	19.2	6.2	-3.1	-1.0	-1.0	-1.4
Oil	48.8	26.2	20.7	10.6	4.6	28.4	11.6	8.7	4.4	2.0	-4.1	-4.6	-6.4	-8.1	-6.7
Natural gas	33.3	44.0	44.7	41.9	32.6	19.4	19.5	18.7	17.5	14.2	1.9	0.3	-0.6	-2.5	-1.2

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	42.6	44.3	44.7	46.0	49.5						0.3	0.1	0.3	0.7
Coal	39.2	42.2	42.5	44.5	46.2						0.5	0.1	0.5	0.4	0.4
Oil	44.0	47.9	47.4	47.4	47.4						0.6	-0.2	0.0	0.0	0.0
Natural gas	42.9	45.3	45.9	47.4	54.3						0.4	0.3	0.3	1.4	0.7

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	294.9	342.0	322.4	297.1	261.4						1.0	-1.2	-0.8	-1.3

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	4,111.3	4,992.8	5,600.7	6,501.4	7,288.2						1.3	2.3	1.5	1.1
Population (millions of people)	123.5	127.8	127.4	123.8	117.2						0.2	-0.1	-0.3	-0.5	-0.3
GDP per capita (thousands of 2000 USD/person)	33.3	39.1	44.0	52.5	62.2						1.1	2.4	1.8	1.7	1.9
Primary energy consumption per capita (toe/person)	3.6	4.2	4.2	4.2	4.2						1.0	0.3	0.1	-0.1	0.0
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	108	106	96	81	68						-0.1	-2.1	-1.7	-1.8	-1.8
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	72	68	58	46	36						-0.3	-3.4	-2.3	-2.4	-2.6
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.66	0.64	0.60	0.57	0.53						-0.2	-1.4	-0.6	-0.6	-0.8
Road vehicle ownership volume (millions of vehicles)	57.7	74.2	76.6	78.9	77.7						1.7	0.6	0.3	-0.2	0.2
Road vehicle ownership volume per capita (vehicles per person)	0.47	0.58	0.60	0.64	0.66						1.5	0.7	0.6	0.4	0.5

Republic of Korea [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	93.4	213.8	249.0	318.7	377.5	100	100	100	100	100	5.7	3.1	2.5	1.7
Coal	25.6	49.5	60.1	80.3	80.7	27.4	23.1	24.2	25.2	21.4	4.5	4.0	2.9	0.1	2.0
Oil	50.0	96.2	105.5	109.4	109.8	53.6	45.0	42.4	34.3	29.1	4.5	1.9	0.4	0.0	0.5
Natural gas	2.7	27.4	35.5	33.3	27.1	2.9	12.8	14.3	10.5	7.2	16.6	5.4	-0.6	-2.1	0.0
Nuclear	13.8	38.3	44.8	91.4	154.2	14.8	17.9	18.0	28.7	40.8	7.0	3.2	7.4	5.4	5.7
Hydro	0.5	0.3	0.3	0.3	0.3	0.6	0.1	0.1	0.1	0.1	-3.6	0.0	0.0	0.0	0.0
Geothermal	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-	54.5	10.7	5.1	15.9
Others	0.7	2.2	2.6	3.9	5.3	0.8	1.0	1.1	1.2	1.4	7.5	3.6	4.0	3.2	3.6

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	65.1	146.1	165.3	194.5	215.8	100	100	100	100	100	5.5	2.5	1.6	1.0
Industry	24.9	69.6	76.6	82.0	87.4	38.3	47.7	46.3	42.2	40.5	7.1	1.9	0.7	0.6	0.9
Transportation	14.9	31.8	36.3	42.3	46.4	22.9	21.8	22.0	21.8	21.5	5.2	2.7	1.5	0.9	1.5
Others	24.3	41.9	49.7	67.1	78.8	37.4	28.7	30.0	34.5	36.5	3.7	3.4	3.1	1.6	2.6
Non-energy	0.9	2.7	2.7	3.0	3.2	1.3	1.8	1.7	1.5	1.5	7.9	0.5	0.9	0.6	0.7
Energy source	65.1	146.1	165.3	194.5	215.8	100	100	100	100	100	5.5	2.5	1.6	1.0	1.6
Coal	11.7	8.1	7.2	6.9	7.0	18.0	5.5	4.4	3.6	3.2	-2.5	-2.2	-0.4	0.0	-0.6
Oil	43.8	85.0	91.6	95.8	97.7	67.3	58.2	55.4	49.2	45.3	4.5	1.5	0.4	0.2	0.6
Natural gas	0.7	16.0	19.1	22.1	22.7	1.0	10.9	11.6	11.4	10.5	23.5	3.6	1.5	0.2	1.4
Electricity	8.1	30.7	40.2	61.3	79.3	12.5	21.0	24.3	31.5	36.7	9.3	5.5	4.3	2.6	3.9
Heat	0.0	4.5	5.3	6.1	6.4	0.0	3.1	3.2	3.1	3.0	-	3.1	1.5	0.5	1.4
Others	0.7	1.8	2.0	2.2	2.7	1.1	1.3	1.2	1.2	1.3	6.2	1.3	1.4	1.9	1.6

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	105.4	387.8	510.5	782.6	1,014.9	100	100	100	100	100	9.1	5.6	4.4	2.6
Coal	17.7	148.8	210.8	339.7	377.5	16.8	38.4	41.3	43.4	37.2	15.3	7.2	4.9	1.1	3.8
Oil	18.9	26.0	29.0	19.0	15.6	17.9	6.7	5.7	2.4	1.5	2.2	2.2	-4.1	-2.0	-2.0
Natural gas	9.6	62.2	94.9	69.7	26.4	9.1	16.0	18.6	8.9	2.6	13.3	8.8	-3.0	-9.3	-3.4
Nuclear	52.9	146.8	172.0	350.6	591.7	50.2	37.8	33.7	44.8	58.3	7.0	3.2	7.4	5.4	5.7
Hydro	6.4	3.7	3.7	3.7	3.7	6.0	0.9	0.7	0.5	0.4	-3.6	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	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	50.0	-100.0	-	-	-100.0

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	26.6	87.4	110.7	171.8	226.5	100	100	100	100	100	8.3	4.9	4.5	2.8
Coal	6.0	33.1	44.6	65.0	65.4	22.4	37.9	40.3	37.9	28.9	12.1	6.2	3.8	0.1	2.8
Oil	4.3	4.6	5.1	4.5	2.9	16.1	5.3	4.6	2.6	1.3	0.5	1.9	-1.3	-4.3	-1.9
Natural gas	2.0	11.0	15.9	10.6	3.6	7.7	12.5	14.4	6.2	1.6	11.9	7.8	-4.0	-10.1	-4.3

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.3	41.9	43.9	46.0	50.2						1.7	0.9	0.5	0.9
Coal	25.5	38.7	40.7	44.9	49.6						2.8	1.0	1.0	1.0	1.0
Oil	37.9	48.4	50.9	56.2	62.1						1.6	1.0	1.0	1.0	1.0
Natural gas	40.6	48.8	51.3	56.7	62.6						1.2	1.0	1.0	1.0	1.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	65.5	124.9	145.4	167.7	163.0						4.4	3.1	1.4	-0.3

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	283.6	637.9	811.2	1,237.4	1,631.8						5.6	4.9	4.3	2.8
Population (millions of people)	42.9	48.3	48.9	49.3	48.6						0.8	0.2	0.1	-0.1	0.0
GDP per capita (thousands of 2000 USD/person)	6.6	13.2	16.6	25.1	33.6						4.7	4.7	4.2	3.0	3.8
Primary energy consumption per capita (toe/person)	2.2	4.4	5.1	6.5	7.8						4.8	2.9	2.4	1.9	2.3
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	329	335	307	258	231						0.1	-1.7	-1.7	-1.1	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	231	196	179	136	100						-1.1	-1.7	-2.8	-3.0	-2.7
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.70	0.58	0.58	0.53	0.43						-1.2	0.0	-1.0	-2.0	-1.2
Road vehicle ownership volume (millions of vehicles)	3.4	15.4	20.0	25.6	28.0						10.6	5.3	2.5	0.9	2.4
Road vehicle ownership volume per capita (vehicles per person)	0.08	0.32	0.41	0.52	0.58						9.7	5.1	2.4	1.0	2.4

Republic of Korea [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	93.4	213.8	238.3	281.9	318.7	100	100	100	100	100	5.7	2.2	1.7	1.2
Coal	25.6	49.5	52.4	50.9	33.0	27.4	23.1	22.0	18.1	10.4	4.5	1.2	-0.3	-4.2	-1.6
Oil	50.0	96.2	104.5	104.4	98.2	53.6	45.0	43.9	37.0	30.8	4.5	1.7	0.0	-0.6	0.1
Natural gas	2.7	27.4	33.5	30.9	27.5	2.9	12.8	14.1	11.0	8.6	16.6	4.2	-0.8	-1.2	0.0
Nuclear	13.8	38.3	44.8	91.4	154.2	14.8	17.9	18.8	32.4	48.4	7.0	3.2	7.4	5.4	5.7
Hydro	0.5	0.3	0.3	0.3	0.3	0.6	0.1	0.1	0.1	0.1	-3.6	0.0	0.0	0.0	0.0
Geothermal	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-	54.5	10.7	5.1	15.9
Others	0.7	2.2	2.6	3.9	5.3	0.8	1.0	1.1	1.4	1.7	7.5	3.6	4.0	3.2	3.6

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	65.1	146.1	161.6	179.6	186.4	100	100	100	100	100	5.5	2.0	1.1	0.4
Industry	24.9	69.6	76.0	79.0	78.6	38.3	47.7	47.0	44.0	42.2	7.1	1.8	0.4	0.0	0.5
Transportation	14.9	31.8	36.1	41.3	43.2	22.9	21.8	22.3	23.0	23.2	5.2	2.5	1.4	0.5	1.2
Others	24.3	41.9	46.8	56.3	61.3	37.4	28.7	28.9	31.3	32.9	3.7	2.2	1.9	0.9	1.5
Non-energy	0.9	2.7	2.7	3.0	3.2	1.3	1.8	1.7	1.7	1.7	7.9	0.5	0.9	0.6	0.7
Energy source															
Total	65.1	146.1	161.6	179.6	186.4	100	100	100	100	100	5.5	2.0	1.1	0.4	1.0
Coal	11.7	8.1	6.4	5.6	5.2	18.0	5.5	4.0	3.1	2.8	-2.5	-4.4	-1.4	-0.8	-1.8
Oil	43.8	85.0	91.3	92.8	88.5	67.3	58.2	56.5	51.7	47.5	4.5	1.4	0.2	-0.5	0.2
Natural gas	0.7	16.0	19.6	24.2	25.7	1.0	10.9	12.1	13.5	13.8	23.5	4.2	2.1	0.6	1.9
Electricity	8.1	30.7	37.0	48.6	57.8	12.5	21.0	22.9	27.1	31.0	9.3	3.8	2.8	1.7	2.6
Heat	0.0	4.5	5.3	6.1	6.4	0.0	3.1	3.3	3.4	3.4	-	3.1	1.5	0.5	1.4
Others	0.7	1.8	2.0	2.2	2.7	1.1	1.3	1.2	1.2	1.5	6.2	1.3	1.4	1.9	1.6

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	105.4	387.8	469.0	619.4	737.9	100	100	100	100	100	9.1	3.9	2.8	1.8
Coal	17.7	148.8	182.5	208.1	127.5	16.8	38.4	38.9	33.6	17.3	15.3	4.2	1.3	-4.8	-0.6
Oil	18.9	26.0	28.7	14.4	6.2	17.9	6.7	6.1	2.3	0.8	2.2	2.0	-6.7	-8.1	-5.6
Natural gas	9.6	62.2	82.2	42.7	8.9	9.1	16.0	17.5	6.9	1.2	13.3	5.7	-6.3	-14.5	-7.5
Nuclear	52.9	146.8	172.0	350.6	591.7	50.2	37.8	36.7	56.6	80.2	7.0	3.2	7.4	5.4	5.7
Hydro	6.4	3.7	3.7	3.7	3.7	6.0	0.9	0.8	0.6	0.5	-3.6	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	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	50.0	-100.0	-	-	-100.0

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	26.6	87.4	100.7	137.6	176.5	100	100	100	100	100	8.3	2.9	3.2	2.5
Coal	6.0	33.1	37.7	37.0	19.5	22.4	37.9	37.4	26.9	11.1	12.1	2.6	-0.2	-6.2	-2.1
Oil	4.3	4.6	4.4	2.9	1.3	16.1	5.3	4.4	2.1	0.8	0.5	-0.8	-4.3	-7.3	-4.8
Natural gas	2.0	11.0	13.4	6.0	1.1	7.7	12.5	13.4	4.4	0.6	11.9	4.2	-7.7	-15.8	-8.8

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.3	41.9	45.4	49.7	55.8						1.7	1.6	0.9	1.2
Coal	25.5	38.7	41.7	48.4	56.1						2.8	1.5	1.5	1.5	1.5
Oil	37.9	48.4	52.1	60.5	70.2						1.6	1.5	1.5	1.5	1.5
Natural gas	40.6	48.8	52.6	61.0	70.8						1.2	1.5	1.5	1.5	1.5

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	65.5	124.9	135.0	132.0	107.8						4.4	1.6	-0.2	-2.0

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	283.6	637.9	811.2	1,237.4	1,631.8						5.6	4.9	4.3	2.8
Population (millions of people)	42.9	48.3	48.9	49.3	48.6						0.8	0.2	0.1	-0.1	0.0
GDP per capita (thousands of 2000 USD/person)	6.6	13.2	16.6	25.1	33.6						4.7	4.7	4.2	3.0	3.8
Primary energy consumption per capita (toe/person)	2.2	4.4	4.9	5.7	6.6						4.8	2.0	1.6	1.4	1.6
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	329	335	294	228	195						0.1	-2.6	-2.5	-1.5	-2.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	231	196	166	107	66						-1.1	-3.2	-4.4	-4.7	-4.3
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.70	0.58	0.57	0.47	0.34						-1.2	-0.6	-1.9	-3.2	-2.2
Road vehicle ownership volume (millions of vehicles)	3.4	15.4	20.0	25.6	28.0						10.6	5.3	2.5	0.9	2.4
Road vehicle ownership volume per capita (vehicles per person)	0.08	0.32	0.41	0.52	0.58						9.7	5.1	2.4	1.0	2.4

Lao PDR [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total	0.2	0.5	0.7	3.3	4.9	100	100	100	100	100	4.6	7.1	17.2	4.1	9.8
Coal	0.0	0.0	0.1	3.0	3.4	0.0	6.0	7.9	92.3	69.9	-	12.8	49.9	1.3	21.1
Oil	0.2	0.3	0.5	0.7	1.1	91.3	71.7	67.1	22.2	21.6	3.0	5.7	4.9	3.9	4.6
Natural gas						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.1	0.3	0.3	1.7	1.8	29.0	62.9	45.5	52.6	37.4	10.2	0.3	18.9	0.6	7.5
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	-0.2	-0.1	-2.2	-1.4	-20.3	-40.6	-20.4	-67.1	-28.9	9.6	-6.7	31.9	-4.3	8.3

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total	0.2	0.5	0.7	1.3	2.8	100	100	100	100	100	4.6	7.0	7.2	8.0	7.5
Industry	0.0	0.1	0.1	0.4	1.3	0.9	11.6	15.7	28.2	47.6	23.7	13.6	13.7	13.8	13.7
Transportation	0.2	0.3	0.4	0.6	0.9	83.2	62.9	59.7	47.7	30.6	2.7	5.8	4.8	3.3	4.4
Others	0.0	0.1	0.1	0.2	0.5	5.6	14.9	15.7	17.8	17.9	11.7	8.1	8.6	8.0	8.3
Agriculture	0.0	0.0	0.1	0.1	0.1	10.2	10.6	8.9	6.2	4.0	4.9	3.4	3.4	3.4	3.4

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total	0.2	0.5	0.7	1.3	2.8	100	100	100	100	100	4.6	7.0	7.2	8.0	7.5
Coal	0.0	0.0	0.1	0.2	0.6	0.0	6.3	8.2	13.6	21.0	-	12.8	12.8	12.8	12.8
Oil	0.2	0.3	0.5	0.7	1.1	94.0	74.1	69.7	56.0	37.9	3.0	5.7	4.9	3.9	4.6
Natural gas						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Electricity	0.0	0.1	0.1	0.4	1.2	6.0	19.6	22.2	30.4	41.2	13.2	9.6	10.6	11.3	10.7
Heat						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total	0.8	3.5	3.6	31.1	32.4	100	100	100	100	100	10.2	0.4	24.1	0.4	9.3
Coal	0.0	0.0	0.0	11.0	11.0	0.0	0.0	0.0	35.3	33.9	-	-	-	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	-	-	-	-	-
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.8	3.5	3.6	20.1	21.4	100.0	100.0	100.0	64.7	66.1	10.2	0.4	18.9	0.6	7.5
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total															
Coal				2.9	2.9									0.0	-
Oil														-	-
Natural gas														-	-

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total															
Coal				33.0	33.0									0.0	-
Oil														-	-
Natural gas														-	-

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
Total		0.3	0.4	0.8	1.5										

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	1990	2005	2010	2020	2030	2005	2010	2020	2030	2030
GDP (billions of 2000 US dollars)	0.9	2.3	3.4	6.9	14.3	6.3	7.5	7.5	7.5	7.5
Population (millions of people)	4.1	5.9	6.4	8.4	11.1	2.4	1.6	2.8	2.8	2.5
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	0.8	1.3	3.7	5.9	4.6	4.5	4.8
Primary energy consumption per capita (toe/person)	0.1	0.1	0.1	0.4	0.4	2.1	5.4	14.0	1.3	7.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	258	205	200	473	345	-1.5	-0.4	9.0	-3.1	2.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)		134	127	113	105		-1.0	-1.2	-0.8	-1.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)		0.65	0.63	0.24	0.30		-0.6	-9.3	2.4	-3.0
Road vehicle ownership volume (millions of vehicles)		0.1					-100.0	-	-	-100.0
Road vehicle ownership volume per capita (vehicles per person)		0.01					-100.0	-	-	-100.0

Lao PDR [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.2	0.5	0.7	3.3	4.9	100	100	100	100	100	4.6	7.1	17.1	4.1
Coal	0.0	0.0	0.1	3.0	3.4	0.0	6.0	7.9	92.4	70.1	-	12.8	49.9	1.3	21.1
Oil	0.2	0.3	0.5	0.7	1.1	91.3	71.7	67.1	22.2	21.6	3.0	5.7	4.9	3.9	4.6
Natural gas						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.1	0.3	0.3	1.7	1.8	29.0	62.9	45.5	52.6	37.1	10.2	0.3	18.9	0.5	7.5
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	-0.2	-0.1	-2.2	-1.4	-20.3	-40.6	-20.4	-67.2	-28.7	9.6	-6.7	32.0	-4.4	8.3

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.2	0.5	0.7	1.3	2.8	100	100	100	100	100	4.6	7.0	7.2	8.0
Industry	0.0	0.1	0.1	0.4	1.3	0.9	11.6	15.7	28.3	47.7	23.7	13.6	13.7	13.8	13.7
Transportation	0.2	0.3	0.4	0.6	0.9	83.2	62.9	59.7	47.8	30.6	2.7	5.8	4.8	3.3	4.4
Others	0.0	0.1	0.1	0.2	0.5	5.6	14.9	15.7	17.7	17.7	11.7	8.1	8.5	8.0	8.2
Agriculture	0.0	0.0	0.1	0.1	0.1	10.2	10.6	8.9	6.2	4.0	4.9	3.4	3.4	3.4	3.4

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.2	0.5	0.7	1.3	2.8	100	100	100	100	100	4.6	7.0	7.2	8.0
Coal	0.0	0.0	0.1	0.2	0.6	0.0	6.3	8.2	13.6	21.0	-	12.8	12.8	12.8	12.8
Oil	0.2	0.3	0.5	0.7	1.1	94.0	74.1	69.7	56.1	38.0	3.0	5.7	4.9	3.9	4.6
Natural gas						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Electricity	0.0	0.1	0.1	0.4	1.2	6.0	19.6	22.2	30.3	41.0	13.2	9.6	10.6	11.3	10.7
Heat						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.8	3.5	3.6	31.1	32.4	100	100	100	100	100	10.2	0.4	24.1	0.4
Coal	0.0	0.0	0.0	11.0	11.0	0.0	0.0	0.0	35.3	33.9	-	-	-	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	-	-	-	-	-
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.8	3.5	3.6	20.1	21.4	100.0	100.0	100.0	64.7	66.1	10.2	0.4	18.9	0.6	7.5
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total														
Coal				2.9	2.9									0.0	
Oil															
Natural gas															

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total														
Coal				33.0	33.0									0.0	
Oil															
Natural gas															

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total		0.3	0.4	0.8	1.5									

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	0.9	2.3	3.4	6.9	14.3	6.3	7.5	7.5	7.5
Population (millions of people)	4.1	5.9	6.4	8.4	11.1	2.4	1.6	2.8	2.8	2.5
GDP per capita (thousands of 2000 USD/person)	0.2	0.4	0.5	0.8	1.3	3.7	5.9	4.6	4.5	4.8
Primary energy consumption per capita (toe/person)	0.1	0.1	0.1	0.4	0.4	2.1	5.4	14.0	1.3	7.0
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	258	205	200	473	344	-1.5	-0.4	9.0	-3.1	2.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)		134	127	113	105		-1.0	-1.2	-0.8	-1.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)		0.65	0.63	0.24	0.30		-0.6	-9.3	2.4	-3.0
Road vehicle ownership volume (millions of vehicles)		0.1					-100.0	-	-	-100.0
Road vehicle ownership volume per capita (vehicles per person)		0.01					-100.0	-	-	-100.0

Malaysia [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.2	58.5	74.5	97.8	121.9	100	100	100	100	100	7.0	4.9	2.8	2.2
Coal	1.0	5.9	11.0	16.2	20.8	4.9	10.0	14.8	16.5	17.1	12.2	13.5	3.9	2.6	5.2
Oil	13.0	26.5	29.9	39.7	50.0	61.4	45.4	40.2	40.6	41.0	4.9	2.5	2.9	2.3	2.6
Natural gas	6.8	25.6	32.6	40.3	48.8	32.1	43.8	43.8	41.3	40.0	9.2	5.0	2.1	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	0.3	0.5	0.6	1.2	1.8	1.6	0.9	0.7	1.3	1.5	2.5	2.3	8.2	3.8	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	0.3	0.4	0.5	0.0	0.0	0.4	0.4	0.4	-100.0	-	2.9	2.4	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.2	37.5	43.4	60.3	80.4	100	100	100	100	100	7.2	3.0	3.3	2.9
Industry	5.8	16.3	19.6	26.2	33.7	44.1	43.5	45.3	43.4	41.9	7.1	3.8	2.9	2.6	2.9
Transportation	5.5	15.3	16.8	23.2	30.4	41.5	40.9	38.7	38.5	37.8	7.1	1.9	3.3	2.7	2.8
Others	1.7	5.2	6.3	10.2	15.5	12.6	13.9	14.6	16.9	19.3	7.9	3.9	4.9	4.3	4.4
Non-energy	0.2	0.6	0.6	0.7	0.9	1.7	1.7	1.4	1.2	1.1	6.9	-0.2	1.6	1.7	1.3
Energy source															
Total	13.2	37.5	43.4	60.3	80.4	100	100	100	100	100	7.2	3.0	3.3	2.9	3.1
Coal	0.4	1.1	1.4	1.8	2.2	3.1	3.1	3.1	2.9	2.8	7.0	3.4	2.7	2.4	2.7
Oil	10.0	23.0	24.9	32.4	40.4	75.7	61.3	57.4	53.8	50.2	5.7	1.6	2.7	2.2	2.3
Natural gas	1.1	6.4	7.5	10.8	14.9	8.3	17.1	17.4	17.9	18.5	12.5	3.2	3.7	3.3	3.4
Electricity	1.7	6.9	9.3	15.0	22.5	13.0	18.5	21.5	24.8	27.9	9.8	6.1	4.8	4.1	4.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	0.0	0.3	0.4	0.5	0.0	0.0	0.6	0.6	0.6	-	-	2.9	2.4	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	23.0	87.3	115.6	178.4	258.8	100	100	100	100	100	9.3	5.8	4.4	3.8
Coal	2.8	23.1	42.2	69.8	101.2	12.3	26.5	36.5	39.1	39.1	15.0	12.8	5.2	3.8	6.1
Oil	11.1	2.5	0.2	0.0	0.0	48.4	2.9	0.2	0.0	0.0	-9.5	-37.8	-100.0	-	-100.0
Natural gas	5.1	55.9	64.6	91.1	132.2	22.0	64.0	55.9	51.1	51.1	17.4	2.9	3.5	3.8	3.5
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	4.0	5.8	6.5	14.3	20.7	17.3	6.6	5.6	8.0	8.0	2.5	2.3	8.2	3.8	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	2.1	3.2	4.7	0.0	0.0	1.8	1.8	1.8	-	-	4.4	3.8	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.3	18.0	26.6	36.5	45.7	100	100	100	100	100	8.5	8.2	3.2	2.3
Coal	0.6	4.7	10.1	15.0	19.3	11.7	26.2	37.8	41.0	42.3	14.4	16.4	4.1	2.6	5.8
Oil	3.0	0.6	0.1	0.0	0.0	56.3	3.2	0.2	0.0	0.0	-10.4	-35.1	-100.0	-	-100.0
Natural gas	1.4	12.2	15.5	19.6	23.7	25.6	67.9	58.0	53.7	51.9	15.8	4.8	2.4	1.9	2.7

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.9	40.1	36.0	40.0	46.6						1.3	-2.1	1.1	1.6
Coal	39.0	42.2	36.0	40.0	45.0						0.5	-3.1	1.1	1.2	0.3
Oil	32.0	37.2	30.0	30.0	30.0						1.0	-4.2	0.0	0.0	-0.9
Natural gas	32.0	39.4	36.0	40.0	48.0						1.4	-1.8	1.1	1.8	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	16.2	44.5	57.4	76.0	95.0						7.0	5.2	2.8	2.3

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	45.5	112.5	147.0	263.2	428.7	6.2	5.5	6.0	5.0	5.5				
Population (millions of people)	17.8	25.3	28.0	34.1	41.6	2.4	2.0	2.0	2.0	2.0					
GDP per capita (thousands of 2000 USD/person)	2.5	4.4	5.3	7.7	10.3	3.8	3.4	3.9	2.9	3.4					
Primary energy consumption per capita (toe/person)	1.2	2.3	2.7	2.9	2.9	4.5	2.9	0.7	0.2	1.0					
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	466	520	507	371	284	0.7	-0.5	-3.1	-2.6	-2.4					
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	356	396	391	289	221	0.7	-0.2	-3.0	-2.6	-2.3					
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.76	0.76	0.77	0.78	0.78	0.0	0.3	0.1	0.0	0.1					
Road vehicle ownership volume (millions of vehicles)	2.4	7.9	9.5	13.5	17.3	8.1	3.8	3.6	2.5	3.2					
Road vehicle ownership volume per capita (vehicles per person)	0.13	0.31	0.34	0.39	0.42	5.8	1.8	1.6	0.5	1.2					

Malaysia [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.2	58.5	70.8	84.3	98.6	100	100	100	100	100	7.0	3.9	1.8	1.6
Coal	1.0	5.9	10.0	12.4	14.9	4.9	10.0	14.1	14.8	15.1	12.2	11.3	2.2	1.8	3.8
Oil	13.0	26.5	28.6	34.1	38.9	61.4	45.4	40.4	40.5	39.5	4.9	1.5	1.8	1.3	1.5
Natural gas	6.8	25.6	31.4	36.1	42.6	32.1	43.8	44.3	42.9	43.2	9.2	4.1	1.4	1.6	2.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.3	0.5	0.6	1.2	1.8	1.6	0.9	0.8	1.5	1.8	2.5	2.3	8.2	3.8	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	0.3	0.3	0.4	0.0	0.0	0.4	0.4	0.4	-100.0	-	2.6	2.2	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.2	37.5	41.2	51.7	64.2	100	100	100	100	100	7.2	1.9	2.3	2.2
Industry	5.8	16.3	18.5	21.2	23.7	44.1	43.5	45.0	40.9	36.9	7.1	2.6	1.3	1.1	1.5
Transportation	5.5	15.3	16.4	21.9	28.0	41.5	40.9	39.8	42.3	43.6	7.1	1.3	2.9	2.5	2.4
Others	1.7	5.2	5.6	8.0	11.7	12.6	13.9	13.7	15.4	18.2	7.9	1.5	3.5	3.9	3.3
Non-energy	0.2	0.6	0.6	0.7	0.9	1.7	1.7	1.5	1.4	1.3	6.9	-0.2	1.6	1.7	1.3

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.2	37.5	41.2	51.7	64.2	100	100	100	100	100	7.2	1.9	2.3	2.2
Coal	0.4	1.1	1.1	0.9	0.9	3.1	3.1	2.6	1.8	1.3	7.0	-1.2	-1.4	-0.8	-1.1
Oil	10.0	23.0	23.9	28.2	31.9	75.7	61.3	58.0	54.5	49.6	5.7	0.8	1.7	1.2	1.3
Natural gas	1.1	6.4	7.5	10.7	14.7	8.3	17.1	18.3	20.7	22.8	12.5	3.2	3.6	3.2	3.4
Electricity	1.7	6.9	8.4	11.5	16.4	13.0	18.5	20.5	22.2	25.5	9.8	4.0	3.2	3.6	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	0.3	0.3	0.4	0.0	0.0	0.6	0.7	0.7	-	-	2.6	2.2	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	23.0	87.3	107.0	145.8	201.7	100	100	100	100	100	9.3	4.2	3.1	3.3
Coal	2.8	23.1	38.8	55.6	76.4	12.3	26.5	36.3	38.2	37.9	15.0	10.9	3.7	3.2	4.9
Oil	11.1	2.5	0.2	0.0	0.0	48.4	2.9	0.2	0.0	0.0	-9.5	-38.9	-100.0	-	-100.0
Natural gas	5.1	55.9	59.5	72.7	99.8	22.0	64.0	55.5	49.8	49.5	17.4	1.2	2.0	3.2	2.3
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	4.0	5.8	6.5	14.3	20.7	17.3	6.6	6.0	9.8	10.3	2.5	2.3	8.2	3.8	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	2.1	3.2	4.7	0.0	0.0	1.9	2.2	2.3	-	-	4.4	3.8	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.3	18.0	24.6	29.5	35.1	100	100	100	100	100	8.5	6.4	1.8	1.8
Coal	0.6	4.7	9.3	12.0	14.6	11.7	26.2	37.7	40.5	41.5	14.4	14.5	2.6	2.0	4.6
Oil	3.0	0.6	0.1	0.0	0.0	56.3	3.2	0.2	0.0	0.0	-10.4	-36.2	-100.0	-	-100.0
Natural gas	1.4	12.2	14.2	15.6	17.9	25.6	67.9	57.8	53.0	50.9	15.8	3.1	1.0	1.4	1.5

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.9	40.1	36.0	40.0	46.6						1.3	-2.1	1.1	1.6
Coal	39.0	42.2	36.0	40.0	45.0						0.5	-3.1	1.1	1.2	0.3
Oil	32.0	37.2	30.0	30.0	30.0						1.0	-4.2	0.0	0.0	-0.9
Natural gas	32.0	39.4	36.0	40.0	48.0						1.4	-1.8	1.1	1.8	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	16.2	44.5	54.4	64.6	75.3						7.0	4.1	1.7	1.5

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	45.5	112.5	147.0	263.2	428.7						6.2	5.5	6.0	5.0
Population (millions of people)	17.8	25.3	28.0	34.1	41.6						2.4	2.0	2.0	2.0	2.0
GDP per capita (thousands of 2000 USD/person)	2.5	4.4	5.3	7.7	10.3						3.8	3.4	3.9	2.9	3.4
Primary energy consumption per capita (toe/person)	1.2	2.3	2.5	2.5	2.4						4.5	1.8	-0.2	-0.4	0.1
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	466	520	481	320	230						0.7	-1.5	-4.0	-3.3	-3.2
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	356	396	370	246	176						0.7	-1.3	-4.0	-3.3	-3.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.76	0.76	0.77	0.77	0.76						0.0	0.2	0.0	0.0	0.0
Road vehicle ownership volume (millions of vehicles)	2.4	7.9	9.5	13.5	17.3						8.1	3.8	3.6	2.5	3.2
Road vehicle ownership volume per capita (vehicles per person)	0.13	0.31	0.34	0.39	0.42						5.8	1.8	1.6	0.5	1.2

Myanmar [BAU] = [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.9	3.8	6.0	12.6	27.2	100	100	100	100	100	4.7	9.7	7.6	8.0
Coal	0.1	0.1	0.3	0.8	3.0	3.3	3.4	5.3	6.0	11.0	4.8	20.1	9.1	14.8	13.5
Oil	1.0	2.3	3.5	6.9	12.5	51.5	59.9	58.3	54.6	45.8	5.8	9.1	6.9	6.1	7.0
Natural gas	0.8	1.1	1.7	2.7	7.1	39.8	30.1	28.2	21.6	26.0	2.8	8.3	4.8	10.0	7.6
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	0.1	0.3	0.7	5.0	5.0	5.4	6.7	11.1	39.7	18.3	6.2	21.5	22.2	0.0	12.7
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	0.0	-0.2	-2.8	-0.3	0.0	0.0	-2.9	-21.9	-1.1	-	-	31.8	-19.7	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.0	2.9	4.8	11.3	23.9	100	100	100	100	100	7.2	10.8	8.9	7.8
Industry	0.4	0.8	1.6	5.3	13.9	38.5	29.4	34.2	47.2	58.0	5.3	14.3	12.5	10.0	11.8
Transportation	0.5	1.5	2.4	4.6	7.4	44.4	53.3	50.5	40.3	31.1	8.5	9.6	6.5	5.0	6.5
Others	0.1	0.4	0.7	1.3	2.5	7.3	14.6	13.8	11.8	10.5	12.3	9.5	7.3	6.5	7.4
Non-energy	0.1	0.1	0.1	0.1	0.1	9.8	2.6	1.6	0.7	0.3	-1.8	0.0	0.0	0.0	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.0	2.9	4.8	11.3	23.9	100	100	100	100	100	7.2	10.8	8.9	7.8
Coal	0.0	0.1	0.2	0.6	1.7	4.7	3.5	4.1	5.6	6.9	5.1	14.3	12.5	10.0	11.8
Oil	0.6	2.0	3.2	6.6	12.2	58.5	70.2	67.0	58.2	50.9	8.5	9.8	7.4	6.4	7.5
Natural gas	0.2	0.3	0.6	2.1	5.4	22.1	11.6	13.5	18.5	22.7	2.7	14.2	12.4	10.0	11.8
Electricity	0.1	0.4	0.7	2.0	4.7	14.7	14.7	15.4	17.7	19.5	7.2	11.9	10.4	8.8	10.1
Heat						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	2.5	6.4	12.8	61.2	71.4	100	100	100	100	100	6.5	15.1	16.9	1.5
Coal	0.0	0.1	0.5	0.5	5.5	1.6	1.7	3.9	0.8	7.7	6.9	35.5	0.0	27.1	17.0
Oil	0.3	0.4	0.6	0.6	0.6	10.9	6.6	4.7	1.0	0.8	3.0	7.3	0.0	0.0	1.4
Natural gas	1.0	2.9	3.9	2.0	7.2	39.3	45.2	30.5	3.3	10.1	7.5	6.3	-6.3	13.4	3.7
Nuclear						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	1.2	2.9	7.8	58.1	58.1	48.1	46.4	60.9	94.9	81.4	6.2	21.5	22.2	0.0	12.7
Geothermal						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others						0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	0.5	0.8	1.2	0.7	2.9	100	100	100	100	100	3.0	8.1	-4.6	14.9
Coal	0.0	0.0	0.1	0.1	1.4	2.4	3.4	10.3	16.4	46.1	5.5	34.9	0.0	27.4	17.0
Oil	0.1	0.1	0.1	0.1	0.1	12.5	11.5	11.1	17.8	4.4	2.4	7.3	0.0	0.0	1.4
Natural gas	0.4	0.7	0.9	0.5	1.5	85.1	85.1	78.6	65.8	49.5	3.0	6.4	-6.3	11.7	3.1

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.7	36.9	36.8	37.0	39.0						3.6	0.0	0.0	0.5
Coal	28.7		35.8	35.8	35.0						-100.0	-	0.0	-0.2	-
Oil	36.4	39.7	39.7	39.7	39.7						0.6	0.0	0.0	0.0	0.0
Natural gas	19.3	36.6	36.6	36.6	42.6						4.4	0.0	0.0	1.5	0.6

CO ₂ emissions	Mt-C					Share, %					AAGR(%)					
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030	
	Total		2.5	4.1	8.1	18.0							-	10.3	6.9	8.3

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	2.6	7.3	13.5	34.3	76.1	7.1	13.1	9.8	8.3
Population (millions of people)	40.8	53.5	58.5	69.9	83.5	1.8	1.8	1.8	1.8	1.8
GDP per capita (thousands of 2000 USD/person)	63.4	136.0	230.1	490.5	911.4	5.2	11.1	7.9	6.4	7.9
Primary energy consumption per capita (toe/person)	0.0	0.1	0.1	0.2	0.3	2.8	7.1	5.8	6.5	6.3
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	739	522	434	358	361	-2.3	-3.6	-1.9	0.1	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)		0	0	0	0		-3.5	-2.5	0.5	-1.5
CO ₂ emissions per unit of primary energy consumption (t-C/toe)		0.67	0.67	0.64	0.66		0.1	-0.6	0.4	0.0
Road vehicle ownership volume (millions of vehicles)							-	-	-	-
Road vehicle ownership volume per capita (vehicles per person)							-	-	-	-

New Zealand [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.8	16.9	18.2	22.5	25.1	100	100	100	100	100	1.4	1.4	2.2	1.1
Coal	1.1	2.0	1.1	2.0	2.2	8.2	11.8	6.1	8.7	8.7	3.9	-11.3	5.9	1.1	0.4
Oil	4.0	6.8	7.4	8.1	8.8	28.8	40.3	40.7	35.9	35.1	3.7	1.6	0.9	0.9	1.0
Natural gas	3.9	3.2	3.2	3.0	3.4	28.3	18.9	17.5	13.3	13.6	-1.3	0.0	-0.6	1.3	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	2.5	2.5	2.4	14.6	11.9	13.7	11.0	9.6	0.0	4.3	0.0	-0.3	0.7
Geothermal	2.2	1.9	3.0	5.7	6.8	16.1	11.4	16.4	25.5	27.1	-0.9	9.0	6.8	1.7	5.2
Others	0.5	0.9	1.0	1.3	1.5	4.0	5.6	5.5	5.6	5.8	3.7	1.3	2.4	1.5	1.8

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	12.7	13.4	14.8	16.0	100	100	100	100	100	2.0	1.1	1.0	0.8
Industry	3.4	3.7	4.0	4.5	4.8	36.2	29.3	29.8	30.2	30.1	0.5	1.4	1.1	0.8	1.0
Transportation	3.4	5.6	5.7	6.2	6.9	36.1	44.2	42.8	42.2	43.0	3.4	0.4	0.8	1.0	0.8
Others	2.3	3.1	3.4	3.7	4.0	24.4	24.3	25.2	25.4	24.7	1.9	1.7	1.1	0.5	1.0
Non-energy	0.3	0.3	0.3	0.3	0.4	3.3	2.2	2.2	2.2	2.2	-0.7	1.1	1.0	0.8	0.9
Energy source	9.5	12.7	13.4	14.8	16.0	100	100	100	100	100	2.0	1.1	1.0	0.8	0.9
Coal	0.7	0.5	0.5	0.4	0.4	7.1	3.8	3.4	3.0	2.7	-2.2	-1.1	-0.4	-0.1	-0.4
Oil	4.4	6.8	6.9	7.3	7.8	46.6	53.4	51.4	49.4	49.0	2.9	0.3	0.5	0.7	0.6
Natural gas	1.3	1.4	1.5	1.7	1.9	13.6	10.7	11.1	11.6	11.9	0.4	1.7	1.4	1.0	1.3
Electricity	2.4	3.2	3.5	4.0	4.3	25.1	25.0	26.2	27.0	26.6	1.9	2.0	1.2	0.7	1.2
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.7	0.9	1.1	1.3	1.6	7.6	7.1	7.9	9.0	9.7	1.5	3.2	2.3	1.5	2.2

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.3	42.9	47.5	53.7	57.4	100	100	100	100	100	1.9	2.0	1.2	0.7
Coal	0.6	5.8	2.7	6.2	7.4	1.9	13.6	5.7	11.6	12.9	16.2	-14.2	8.7	1.8	1.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.5	-100.0	-	-	-100.0
Natural gas	5.7	9.5	8.8	6.3	7.6	17.6	22.1	18.5	11.7	13.2	3.5	-1.5	-3.3	1.9	-0.9
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	23.3	23.5	29.0	28.9	27.9	72.3	54.7	61.1	53.8	48.7	0.0	4.3	0.0	-0.3	0.7
Geothermal	2.2	2.9	4.7	9.7	11.5	6.9	6.6	10.0	18.0	20.1	1.7	10.6	7.4	1.8	5.8
Others	0.4	1.3	2.2	2.6	2.9	1.3	3.0	4.7	4.9	5.1	8.0	11.3	1.7	1.0	3.3

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.3	7.1	7.5	10.7	12.1	100	100	100	100	100	1.9	1.2	3.6	1.3
Coal	0.2	1.5	0.7	1.5	1.8	3.9	21.8	8.9	14.3	14.6	14.2	-15.4	8.7	1.5	0.6
Oil	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-6.6	-100.0	-	-	-100.0
Natural gas	1.2	1.7	1.6	1.1	1.4	23.0	24.0	21.0	10.7	11.4	2.2	-1.5	-3.1	1.9	-0.8

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.6	40.6	44.1	40.1	40.8						0.5	1.7	-0.9	0.2
Coal	25.2	32.5	35.0	35.0	36.0						1.7	1.5	0.0	0.3	0.4
Oil	23.9	33.4	33.4	33.4	33.4						2.3	0.0	0.0	0.0	0.0
Natural gas	39.7	48.0	48.0	47.0	47.0						1.3	0.0	-0.2	0.0	-0.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	6.8	9.7	9.2	10.5	11.6						2.4	-1.1	1.4	1.0

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	39.8	62.7	71.3	89.5	106.4						3.1	2.6	2.3	1.7
Population (millions of people)	3.4	4.1	4.3	4.6	4.8						1.2	0.8	0.7	0.6	0.7
GDP per capita (thousands of 2000 USD/person)	11.6	15.3	16.7	19.6	22.1						1.9	1.8	1.6	1.2	1.5
Primary energy consumption per capita (toe/person)	4.0	4.1	4.3	4.9	5.2						0.2	0.7	1.5	0.5	0.9
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	345	270	255	252	236						-1.6	-1.1	-0.1	-0.7	-0.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	170	154	129	118	109						-0.6	-3.6	-0.9	-0.7	-1.4
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.49	0.57	0.51	0.47	0.46						1.0	-2.5	-0.8	-0.1	-0.8
Road vehicle ownership volume (millions of vehicles)	1.8	3.2	3.5	3.9	4.3						3.9	2.0	1.1	1.0	1.2
Road vehicle ownership volume per capita (vehicles per person)	0.52	0.77	0.82	0.85	0.89						2.7	1.1	0.4	0.4	0.5

New Zealand [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.8	16.9	18.2	20.5	22.0	100	100	100	100	100	1.4	1.5	1.2	0.7
Coal	1.1	2.0	0.9	0.8	0.9	8.2	11.8	5.1	3.9	4.0	3.9	-14.1	-1.6	1.0	-3.2
Oil	4.0	6.8	7.1	6.9	6.6	28.8	40.3	38.9	33.5	29.9	3.7	0.8	-0.3	-0.4	-0.1
Natural gas	3.9	3.2	3.0	2.8	2.9	28.3	18.9	16.6	13.8	13.1	-1.3	-1.1	-0.6	0.1	-0.4
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	2.5	2.4	2.4	14.6	11.9	13.5	11.8	11.0	0.0	4.1	-0.1	-0.1	0.7
Geothermal	2.2	1.9	3.8	5.8	6.9	16.1	11.4	20.6	28.3	31.6	-0.9	14.2	4.5	1.8	5.2
Others	0.5	0.9	1.0	1.8	2.3	4.0	5.6	5.3	8.6	10.5	3.7	0.5	6.3	2.6	3.6

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	12.7	13.1	13.7	14.2	100	100	100	100	100	2.0	0.5	0.5	0.4
Industry	3.4	3.7	4.0	4.4	4.7	36.2	29.3	30.5	32.3	33.4	0.5	1.4	1.0	0.7	1.0
Transportation	3.4	5.6	5.5	5.5	5.7	36.1	44.2	42.3	40.6	40.4	3.4	-0.4	0.0	0.3	0.1
Others	2.3	3.1	3.3	3.4	3.4	24.4	24.3	24.9	24.8	23.7	1.9	1.0	0.4	-0.1	0.3
Non-energy	0.3	0.3	0.3	0.3	0.4	3.3	2.2	2.3	2.4	2.5	-0.7	1.1	1.0	0.8	0.9

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	12.7	13.1	13.7	14.2	100	100	100	100	100	2.0	0.5	0.5	0.4
Coal	0.7	0.5	0.5	0.4	0.4	7.1	3.8	3.5	3.1	2.8	-2.2	-1.5	-0.7	-0.5	-0.8
Oil	4.4	6.8	6.6	6.2	5.8	46.6	53.4	50.7	45.2	41.2	2.9	-0.5	-0.7	-0.6	-0.6
Natural gas	1.3	1.4	1.5	1.7	1.9	13.6	10.7	11.4	12.5	13.3	0.4	1.7	1.4	1.0	1.3
Electricity	2.4	3.2	3.4	3.7	3.8	25.1	25.0	26.3	27.1	26.8	1.9	1.5	0.8	0.2	0.7
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.7	0.9	1.1	1.7	2.2	7.6	7.1	8.3	12.1	15.8	1.5	3.7	4.3	3.1	3.7

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	32.3	42.9	46.2	50.0	51.1	100	100	100	100	100	1.9	1.5	0.8	0.2
Coal	0.6	5.8	2.1	1.6	2.1	1.9	13.6	4.5	3.3	4.1	16.2	-18.7	-2.3	2.5	-4.0
Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.5	-100.0	-	-	-100.0
Natural gas	5.7	9.5	7.9	5.5	4.7	17.6	22.1	17.1	11.0	9.2	3.5	-3.6	-3.6	-1.6	-2.8
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Hydro	23.3	23.5	28.6	28.2	28.0	72.3	54.7	62.0	56.5	54.8	0.0	4.1	-0.1	-0.1	0.7
Geothermal	2.2	2.9	6.1	9.8	11.8	6.9	6.6	13.3	19.7	23.1	1.7	16.6	4.8	1.8	5.8
Others	0.4	1.3	1.4	4.8	4.5	1.3	3.0	3.1	9.5	8.8	8.0	2.2	12.6	-0.5	5.1

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.3	7.1	7.9	9.6	10.6	100	100	100	100	100	1.9	2.1	2.0	1.0
Coal	0.2	1.5	0.5	0.4	0.5	3.9	21.8	6.5	4.2	4.7	14.2	-19.9	-2.3	2.3	-4.4
Oil	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-6.6	-100.0	-	-	-100.0
Natural gas	1.2	1.7	1.4	1.0	0.9	23.0	24.0	18.0	10.5	8.1	2.2	-3.6	-3.4	-1.6	-2.7

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.6	40.6	44.6	43.6	42.9						0.5	1.9	-0.2	-0.1
Coal	25.2	32.5	35.0	35.0	36.0						1.7	1.5	0.0	0.3	0.4
Oil	23.9	33.4	33.4	33.4	33.4						2.3	0.0	0.0	0.0	0.0
Natural gas	39.7	48.0	48.0	47.0	47.0						1.3	0.0	-0.2	0.0	-0.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	6.8	9.7	8.6	8.2	8.0						2.4	-2.2	-0.6	-0.2

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	39.8	62.7	71.3	89.5	106.4	3.1	2.6	2.3	1.7
Population (millions of people)	3.4	4.1	4.3	4.6	4.8	1.2	0.8	0.7	0.6	0.7
GDP per capita (thousands of 2000 USD/person)	11.6	15.3	16.7	19.6	22.1	1.9	1.8	1.6	1.2	1.5
Primary energy consumption per capita (toe/person)	4.0	4.1	4.3	4.5	4.6	0.2	0.7	0.5	0.1	0.4
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	345	270	256	229	206	-1.6	-1.0	-1.1	-1.1	-1.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	170	154	121	91	75	-0.6	-4.7	-2.8	-1.9	-2.8
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.49	0.57	0.47	0.40	0.36	1.0	-3.7	-1.7	-0.9	-1.8
Road vehicle ownership volume (millions of vehicles)	1.8	3.2	3.5	3.9	4.3	3.9	2.0	1.1	1.0	1.2
Road vehicle ownership volume per capita (vehicles per person)	0.52	0.77	0.82	0.85	0.89	2.7	1.1	0.4	0.4	0.5

Philippines [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	18.5	33.8	40.5	67.1	121.2	100	100	100	100	100	4.1	3.7	5.2	6.1
Coal	1.3	6.1	8.5	24.9	65.6	7.0	18.0	20.9	37.1	54.1	10.9	6.9	11.4	10.2	10.0
Oil	12.0	15.8	17.2	22.5	30.5	64.8	46.8	42.5	33.6	25.2	1.9	1.7	2.7	3.1	2.7
Natural gas	0.0	2.7	4.3	7.9	13.0	0.0	7.9	10.6	11.8	10.8	-	10.2	6.3	5.1	6.6
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	1.0	1.3	1.5	2.8	2.1	2.4	1.9	1.2	2.2	5.9	3.0	1.3	2.9
Geothermal	4.7	8.5	9.4	10.2	10.2	25.4	25.2	23.1	15.2	8.4	4.0	1.9	0.9	0.0	0.7
Others	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.5	0.4	0.3	-	-	3.2	2.4	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	19.3	23.1	36.5	61.5	100	100	100	100	100	4.8	3.7	4.7	5.3
Industry	3.1	4.4	6.1	9.7	17.2	32.9	22.6	26.5	26.5	27.9	2.2	7.1	4.7	5.9	5.6
Transportation	2.7	10.2	11.1	15.4	21.0	27.9	52.9	48.1	42.3	34.2	9.4	1.7	3.4	3.1	2.9
Others	3.5	4.5	5.7	11.2	23.0	36.8	23.3	24.6	30.7	37.5	1.7	4.7	7.0	7.5	6.7
Non-energy	0.2	0.2	0.2	0.2	0.2	2.4	1.2	0.8	0.5	0.4	0.0	-4.3	0.7	1.6	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	19.3	23.1	36.5	61.5	100	100	100	100	100	4.8	3.7	4.7	5.3
Coal	0.4	1.3	1.8	2.7	5.4	4.7	6.8	7.8	7.5	8.8	7.5	6.5	4.3	7.0	5.8
Oil	7.3	14.1	15.1	20.8	29.1	76.4	73.0	65.4	56.9	47.4	4.5	1.4	3.2	3.4	3.0
Natural gas	0.0	0.0	0.6	1.3	1.9	0.0	0.0	2.7	3.7	3.2	-	-	7.7	3.8	-
Electricity	1.8	3.9	5.4	11.5	24.7	18.9	20.2	23.3	31.4	40.2	5.3	6.7	7.8	8.0	7.7
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	0.2	0.2	0.3	0.0	0.0	0.8	0.6	0.5	-	-	2.7	2.2	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	25.2	56.5	78.0	165.7	357.6	100	100	100	100	100	5.5	6.7	7.8	8.0
Coal	1.9	15.3	27.6	93.9	257.3	7.7	27.0	35.4	56.7	72.0	14.8	12.6	13.0	10.6	12.0
Oil	11.8	6.1	5.2	3.4	1.6	46.7	10.9	6.7	2.1	0.5	-4.3	-3.1	-4.1	-7.1	-5.1
Natural gas	0.0	16.9	22.9	40.9	68.9	0.0	29.8	29.3	24.7	19.3	-	6.3	6.0	5.4	5.8
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	11.2	15.1	17.1	24.0	14.8	14.3	9.1	4.8	2.2	5.9	3.0	1.3	2.9
Geothermal	5.5	9.9	10.9	11.9	11.9	21.7	17.5	14.0	7.2	3.3	4.0	1.9	0.9	0.0	0.7
Others	0.0	0.0	0.3	0.5	0.8	0.0	0.0	0.3	0.3	0.2	-	-	7.9	3.9	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.6	17.7	21.7	40.8	83.2	100	100	100	100	100	5.0	4.1	6.5	7.4
Coal	0.5	4.5	6.4	21.9	60.0	5.4	25.5	29.7	53.6	72.1	16.4	7.3	13.0	10.6	10.9
Oil	2.9	1.3	1.2	0.8	0.4	33.6	7.5	5.5	1.9	0.4	-5.0	-2.3	-4.1	-7.1	-5.0
Natural gas	0.0	2.7	3.7	6.6	11.1	0.0	15.0	17.0	16.1	13.3	-	6.7	6.0	5.4	5.9

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	35.2	38.7	42.4	40.6	39.5						0.6	1.9	-0.4	-0.3
Coal	35.7	36.9	36.9	36.9	36.9						0.2	0.0	0.0	0.0	0.0
Oil	35.2	38.1	38.1	38.1	38.1						0.5	0.0	0.0	0.0	0.0
Natural gas	0.0	53.4	53.4	53.4	53.4						-	0.0	0.0	0.0	0.0

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	11.3	21.4	26.3	50.7	104.7						4.4	4.2	6.8	7.5

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	56.2	94.4	131.1	253.2	488.8	3.5	6.8	6.8	6.8
Population (millions of people)	61.1	83.1	94.0	111.8	128.1	2.1	2.5	1.7	1.4	1.7
GDP per capita (thousands of 2000 USD/person)	0.9	1.1	1.4	2.3	3.8	1.4	4.2	5.0	5.4	5.0
Primary energy consumption per capita (toe/person)	0.3	0.4	0.4	0.6	0.9	2.0	1.2	3.4	4.7	3.4
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	329	358	309	265	248	0.6	-2.9	-1.5	-0.7	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	200	227	200	200	214	0.9	-2.5	0.0	0.7	-0.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.61	0.63	0.65	0.76	0.86	0.3	0.4	1.5	1.3	1.2
Road vehicle ownership volume (millions of vehicles)	1.2	2.9	3.5	4.7	5.8	5.9	4.1	2.8	2.2	2.8
Road vehicle ownership volume per capita (vehicles per person)	0.02	0.03	0.04	0.05	0.05	3.7	3.8	1.2	0.9	1.6

Philippines [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	18.5	33.8	36.1	53.5	97.4	100	100	100	100	100	4.1	1.3	4.0	6.2
Coal	1.3	6.1	4.7	13.4	45.5	7.0	18.0	13.1	25.1	46.7	10.9	-5.0	11.0	13.0	8.4
Oil	12.0	15.8	16.5	20.3	26.9	64.8	46.8	45.8	37.9	27.6	1.9	0.8	2.1	2.9	2.1
Natural gas	0.0	2.7	4.3	7.8	12.8	0.0	7.9	11.9	14.6	13.1	-	10.1	6.2	5.0	6.5
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	1.0	1.3	1.5	2.8	2.1	2.7	2.4	1.5	2.2	5.9	3.0	1.3	2.9
Geothermal	4.7	8.5	9.4	10.2	10.2	25.4	25.2	26.0	19.1	10.5	4.0	1.9	0.9	0.0	0.7
Others	0.0	0.0	0.2	0.4	0.5	0.0	0.0	0.6	0.8	0.5	-	-	7.1	1.7	-

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.5	19.3	21.3	31.0	52.3	100	100	100	100	100	4.8	2.0	3.9	5.4
Industry	3.1	4.4	5.8	8.6	15.4	32.9	22.6	27.2	27.9	29.5	2.2	5.8	4.1	6.0	5.2
Transportation	2.7	10.2	10.6	14.0	18.7	27.9	52.9	50.0	45.2	35.7	9.4	0.8	2.8	2.9	2.4
Others	3.5	4.5	4.7	8.2	18.0	36.8	23.3	21.9	26.3	34.4	1.7	0.7	5.8	8.2	5.7
Non-energy	0.2	0.2	0.2	0.2	0.2	2.4	1.2	0.9	0.6	0.4	0.0	-4.3	0.7	1.6	0.0
Energy source	9.5	19.3	21.3	31.0	52.3	100	100	100	100	100	4.8	2.0	3.9	5.4	4.1
Coal	0.4	1.3	1.6	2.2	4.5	4.7	6.8	7.6	7.1	8.6	7.5	4.2	3.1	7.4	5.0
Oil	7.3	14.1	14.4	18.5	25.5	76.4	73.0	67.6	59.8	48.8	4.5	0.4	2.6	3.2	2.4
Natural gas	0.0	0.0	0.6	1.3	1.9	0.0	0.0	3.0	4.3	3.7	-	-	7.7	3.8	-
Electricity	1.8	3.9	4.4	8.6	19.9	18.9	20.2	20.8	27.6	38.0	5.3	2.6	6.8	8.8	6.7
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	0.2	0.4	0.5	0.0	0.0	1.0	1.3	0.9	-	-	7.0	1.5	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	25.2	56.5	62.7	119.8	281.0	100	100	100	100	100	5.5	2.1	6.7	8.9
Coal	1.9	15.3	12.3	47.9	180.7	7.7	27.0	19.6	40.0	64.3	14.8	-4.2	14.6	14.2	10.4
Oil	11.8	6.1	5.2	3.4	1.6	46.7	10.9	8.4	2.9	0.6	-4.3	-3.1	-4.1	-7.1	-5.1
Natural gas	0.0	16.9	22.9	40.9	68.9	0.0	29.8	36.4	34.1	24.5	-	6.3	6.0	5.4	5.8
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	11.2	15.1	17.1	24.0	14.8	17.8	12.6	6.1	2.2	5.9	3.0	1.3	2.9
Geothermal	5.5	9.9	10.9	11.9	11.9	21.7	17.5	17.4	9.9	4.2	4.0	1.9	0.9	0.0	0.7
Others	0.0	0.0	0.3	0.5	0.8	0.0	0.0	0.4	0.4	0.3	-	-	7.9	3.9	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.6	17.7	18.0	29.8	63.7	100	100	100	100	100	5.0	0.3	5.1	7.9
Coal	0.5	4.5	2.8	11.0	40.8	5.4	25.5	15.8	36.8	64.0	16.4	-8.9	14.4	14.0	9.2
Oil	2.9	1.3	1.2	0.8	0.4	33.6	7.5	6.5	2.6	0.6	-5.0	-2.4	-4.2	-7.3	-5.1
Natural gas	0.0	2.7	3.7	6.5	10.8	0.0	15.0	20.3	21.8	17.0	-	6.6	5.9	5.3	5.8

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	35.2	38.7	45.2	43.6	41.6						0.6	3.2	-0.4	-0.5
Coal	35.7	36.9	37.1	37.6	38.1						0.2	0.1	0.1	0.1	0.1
Oil	35.2	38.1	38.4	38.9	39.3						0.5	0.1	0.1	0.1	0.1
Natural gas	0.0	53.4	53.6	54.1	54.6						-	0.1	0.1	0.1	0.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	11.3	21.4	21.6	36.4	79.8						4.4	0.1	5.4	8.2

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	56.2	94.4	131.1	253.2	488.8						3.5	6.8	6.8	6.8
Population (millions of people)	61.1	83.1	94.0	111.8	128.1						2.1	2.5	1.7	1.4	1.7
GDP per capita (thousands of 2000 USD/person)	0.9	1.1	1.4	2.3	3.8						1.4	4.2	5.0	5.4	5.0
Primary energy consumption per capita (toe/person)	0.3	0.4	0.4	0.5	0.8						2.0	-1.2	2.2	4.7	2.5
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	329	358	275	211	199						0.6	-5.1	-2.6	-0.6	-2.3
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	200	227	165	144	163						0.9	-6.2	-1.4	1.3	-1.3
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.61	0.63	0.60	0.68	0.82						0.3	-1.1	1.3	1.9	1.0
Road vehicle ownership volume (millions of vehicles)	1.2	2.9	3.5	4.7	5.8						5.9	4.1	2.8	2.2	2.8
Road vehicle ownership volume per capita (vehicles per person)	0.02	0.03	0.04	0.05	0.05						3.7	3.8	1.2	0.9	1.6

Singapore [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.4	30.1	34.7	43.3	53.5	100	100	100	100	100	5.6	2.9	2.2	2.1
Coal	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	-14.5	-0.1	-0.1	-0.1	-0.1
Oil	13.3	24.2	27.2	32.9	39.0	99.8	80.3	78.3	76.0	73.0	4.0	2.4	1.9	1.7	1.9
Natural gas	0.0	5.9	7.5	10.4	14.4	0.0	19.7	21.7	24.0	27.0	-	4.8	3.3	3.3	3.6
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	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	6.8	15.8	18.9	24.8	31.1	100	100	100	100	100	5.7	3.7	2.7	2.3
Industry	2.3	8.2	10.5	14.2	17.7	33.3	51.9	55.4	57.3	56.8	8.9	5.0	3.1	2.2	3.1
Transportation	3.3	5.5	6.0	7.3	8.8	47.6	34.6	31.6	29.3	28.4	3.5	1.8	2.0	2.0	1.9
Others	0.7	1.7	2.0	2.8	4.1	9.7	10.9	10.5	11.5	13.2	6.5	3.0	3.6	3.8	3.6
Non-energy	0.6	0.4	0.5	0.5	0.5	9.3	2.6	2.5	2.0	1.6	-2.9	2.6	0.4	0.4	0.9

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	6.8	15.8	18.9	24.8	31.1	100	100	100	100	100	5.7	3.7	2.7	2.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Oil	5.7	12.9	15.4	19.8	23.9	83.3	81.7	81.4	79.7	76.7	5.6	3.6	2.5	1.9	2.5
Natural gas	0.1	0.1	0.1	0.1	0.1	0.9	0.7	0.6	0.5	0.4	3.6	0.9	0.9	1.0	1.0
Electricity	1.1	2.8	3.4	4.9	7.1	15.8	17.7	18.0	19.8	22.8	6.5	4.1	3.7	3.8	3.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	15.7	38.2	47.5	67.9	97.6	100	100	100	100	100	6.1	4.4	3.6	3.7
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	9.9	11.5	16.4	100.0	25.6	20.8	16.9	16.8	-3.1	0.2	1.5	3.6	2.1
Natural gas	0.0	28.4	37.6	56.4	81.2	0.0	74.4	79.2	83.1	83.2	-	5.8	4.1	3.7	4.3
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	0.0	0.0	-	-	-	-	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.4	8.1	9.4	12.3	16.7	100	100	100	100	100	4.1	3.1	2.7	3.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0	-	-	-	-
Oil	4.4	2.2	2.1	2.2	2.9	100.0	26.7	22.1	18.1	17.5	-4.7	-0.7	0.7	2.8	1.2
Natural gas	0.0	5.9	7.4	10.1	13.8	0.0	73.3	77.9	81.9	82.5	-	4.4	3.2	3.2	3.4

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	30.6	40.6	43.2	47.4	50.1						1.9	1.3	0.9	0.6
Coal	0.0	0.0	0.0	0.0	0.0						-	-	-	-	-
Oil	30.6	39.0	40.7	44.3	48.2						1.6	0.9	0.9	0.8	0.9
Natural gas	0.0	41.2	44.0	48.1	50.5						-	1.3	0.9	0.5	0.8

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.6	18.1	20.1	24.3	29.9						4.3	2.0	1.9	2.1

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	44.7	112.2	141.2	203.0	298.5						6.3	4.7	3.7	3.9
Population (millions of people)	3.0	4.3	4.6	5.0	5.3						2.4	1.2	0.8	0.5	0.8
GDP per capita (thousands of 2000 USD/person)	14.7	25.8	30.6	40.6	56.5						3.8	3.5	2.8	3.4	3.2
Primary energy consumption per capita (toe/person)	4.4	6.9	7.5	8.6	10.1						3.1	1.7	1.4	1.6	1.5
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	299	268	245	213	179						-0.7	-1.8	-1.4	-1.7	-1.6
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	215	162	142	119	100						-1.9	-2.5	-1.7	-1.8	-1.9
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.60	0.58	0.56	0.56						-1.2	-0.8	-0.3	0.0	-0.3
Road vehicle ownership volume (millions of vehicles)	0.4	0.7	0.7	0.7	0.8						3.0	0.0	0.9	0.7	0.6
Road vehicle ownership volume per capita (vehicles per person)	0.14	0.15	0.15	0.15	0.15						0.3	-0.4	0.0	0.1	0.0

Singapore [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	13.4	30.1	33.6	40.7	49.6	100	100	100	100	100	5.6	2.2	1.9	2.0
Coal	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	-14.5	-0.1	-0.1	-0.1	-0.1
Oil	13.3	24.2	26.3	31.0	36.7	99.8	80.3	78.3	76.2	73.9	4.0	1.7	1.7	1.7	1.7
Natural gas	0.0	5.9	7.3	9.7	12.9	0.0	19.7	21.7	23.8	26.1	-	4.2	2.9	2.9	3.2
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	6.8	15.8	18.4	23.6	29.7	100	100	100	100	100	5.7	3.1	2.5	2.3
Industry	2.3	8.2	10.4	14.1	17.6	33.3	51.9	56.5	59.7	59.3	8.9	4.9	3.1	2.2	3.1
Transportation	3.3	5.5	5.8	6.9	8.4	47.6	34.6	31.7	29.1	28.4	3.5	1.3	1.6	2.1	1.7
Others	0.7	1.7	1.7	2.2	3.1	9.7	10.9	9.3	9.2	10.6	6.5	-0.1	2.4	3.8	2.5
Non-energy	0.6	0.4	0.5	0.5	0.5	9.3	2.6	2.5	2.1	1.7	-2.9	2.6	0.4	0.4	0.9
Energy source	6.8	15.8	18.4	23.6	29.7	100	100	100	100	100	5.7	3.1	2.5	2.3	2.6
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Oil	5.7	12.9	15.2	19.3	23.4	83.3	81.7	82.5	81.6	78.9	5.6	3.3	2.4	2.0	2.4
Natural gas	0.1	0.1	0.1	0.1	0.1	0.9	0.7	0.6	0.5	0.5	3.6	0.9	0.9	1.0	1.0
Electricity	1.1	2.8	3.1	4.2	6.1	15.8	17.7	16.9	17.9	20.7	6.5	2.2	3.1	3.8	3.2
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	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	15.7	38.2	43.6	58.6	84.4	100	100	100	100	100	6.1	2.7	3.0	3.7
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	6.7	3.8	6.2	100.0	25.6	15.3	6.5	7.3	-3.1	-7.4	-5.5	5.0	-1.8
Natural gas	0.0	28.4	36.9	54.8	78.2	0.0	74.4	84.7	93.5	92.7	-	5.4	4.0	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	0.0	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	0.0	0.0	-	-	-	-	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.4	8.1	8.6	10.1	13.5	100	100	100	100	100	4.1	1.1	1.7	2.9
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0	-	-	-	-
Oil	4.4	2.2	1.4	0.7	1.1	100.0	26.7	16.4	7.1	7.9	-4.7	-8.3	-6.4	4.0	-2.8
Natural gas	0.0	5.9	7.2	9.4	12.4	0.0	73.3	83.6	92.9	92.1	-	3.8	2.8	2.8	3.0

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	30.6	40.6	43.8	49.7	53.8						1.9	1.5	1.3	0.8
Coal	0.0	0.0	0.0	0.0	0.0						-	-	-	-	-
Oil	30.6	39.0	41.0	45.3	50.0						1.6	1.0	1.0	1.0	1.0
Natural gas	0.0	41.2	44.4	50.0	54.2						-	1.5	1.2	0.8	1.1

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.6	18.1	19.2	22.2	27.0						4.3	1.2	1.5	1.9

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	44.7	112.2	141.2	203.0	298.5	6.3	4.7	3.7	3.9	4.0				
Population (millions of people)	3.0	4.3	4.6	5.0	5.3	2.4	1.2	0.8	0.5	0.8					
GDP per capita (thousands of 2000 USD/person)	14.7	25.8	30.6	40.6	56.5	3.8	3.5	2.8	3.4	3.2					
Primary energy consumption per capita (toe/person)	4.4	6.9	7.3	8.1	9.4	3.1	1.0	1.1	1.4	1.2					
Primary energy consumption per unit of GDP (toe/million 2000 US Dollars)	299	268	238	200	166	-0.7	-2.4	-1.7	-1.9	-1.9					
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	215	162	136	109	90	-1.9	-3.4	-2.1	-1.9	-2.3					
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.72	0.60	0.57	0.55	0.54	-1.2	-1.0	-0.5	-0.1	-0.4					
Road vehicle ownership volume (millions of vehicles)	0.4	0.7	0.7	0.7	0.8	3.0	0.0	0.9	0.7	0.6					
Road vehicle ownership volume per capita (vehicles per person)	0.14	0.15	0.15	0.15	0.15	0.3	-0.4	0.0	0.1	0.0					

Thailand [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	29.2	83.5	100.5	152.3	227.1	100	100	100	100	100	7.3	3.8	4.2	4.1
Coal	3.8	11.2	18.5	29.0	41.1	13.1	13.5	18.4	19.0	18.1	7.5	10.5	4.6	3.6	5.3
Oil	19.8	45.5	43.4	51.0	78.7	67.8	54.5	43.2	33.5	34.7	5.7	-1.0	1.6	4.4	2.2
Natural gas	5.1	25.9	37.5	65.9	96.2	17.4	31.0	37.3	43.2	42.4	11.5	7.6	5.8	3.9	5.4
Nuclear	0.0	0.0	0.0	3.9	7.7	0.0	0.0	0.0	2.5	3.4	-	-	-	7.2	-
Hydro	0.4	0.5	0.5	0.3	0.3	1.5	0.6	0.5	0.2	0.1	1.0	-1.6	-3.0	0.0	-1.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0
Others	0.1	0.3	0.7	2.3	3.0	0.2	0.4	0.7	1.5	1.3	12.8	15.5	13.0	3.0	9.4

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.6	55.3	75.5	120.3	168.0	100	100	100	100	100	6.5	6.4	4.8	3.4
Industry	6.0	21.5	31.3	55.9	84.7	27.6	38.9	41.4	46.5	50.4	8.9	7.8	6.0	4.2	5.6
Transportation	10.9	22.1	29.6	43.3	55.1	50.6	39.9	39.2	35.9	32.8	4.8	6.1	3.9	2.5	3.7
Others	4.5	10.6	13.6	20.1	27.1	20.8	19.3	18.0	16.7	16.1	5.9	5.0	4.0	3.0	3.8
Non-energy	0.2	1.1	1.1	1.1	1.1	1.0	2.0	1.4	0.9	0.6	11.4	0.0	0.0	0.0	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	21.6	55.3	75.5	120.3	168.0	100	100	100	100	100	6.5	6.4	4.8	3.4
Coal	1.3	6.6	11.1	17.9	24.6	6.1	12.0	14.7	14.9	14.7	11.4	10.9	4.9	3.2	5.4
Oil	16.7	36.4	44.5	60.5	75.8	77.5	65.8	59.0	50.3	45.1	5.3	4.1	3.1	2.3	3.0
Natural gas	0.2	1.9	6.5	19.8	34.0	1.1	3.4	8.6	16.4	20.2	14.5	28.5	11.8	5.5	12.3
Electricity	3.3	10.4	13.4	22.1	33.6	15.3	18.9	17.8	18.4	20.0	8.0	5.2	5.1	4.2	4.8
Heat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	44.2	132.2	170.7	277.2	414.9	100	100	100	100	100	7.6	5.2	5.0	4.1
Coal	11.1	20.0	30.8	49.7	79.6	25.0	15.1	18.0	17.9	19.2	4.0	9.1	4.9	4.8	5.7
Oil	10.4	8.7	3.6	1.5	1.5	23.5	6.6	2.1	0.5	0.4	-1.2	-16.2	-8.3	0.0	-6.8
Natural gas	17.8	94.4	127.7	197.3	280.8	40.2	71.4	74.8	71.2	67.7	11.8	6.2	4.4	3.6	4.5
Nuclear	0.0	0.0	0.0	14.8	29.5	0.0	0.0	0.0	5.3	7.1	-	-	-	7.2	-
Hydro	5.0	5.8	5.4	4.0	4.0	11.3	4.4	3.1	1.4	1.0	1.0	-1.6	-3.0	0.0	-1.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0
Others	0.0	3.3	3.2	9.9	19.4	0.0	2.5	1.9	3.6	4.7	-	-0.5	11.9	7.0	7.4

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	9.4	27.1	34.1	52.4	74.1	100	100	100	100	100	7.3	4.7	4.4	3.5
Coal	2.5	4.7	7.5	11.0	16.3	27.2	17.4	22.1	21.0	21.9	4.2	9.8	3.9	4.0	5.1
Oil	2.6	2.0	0.8	0.3	0.3	27.3	7.3	2.3	0.6	0.4	-1.7	-16.9	-9.0	-0.8	-7.5
Natural gas	3.8	19.0	24.5	34.7	45.6	40.9	70.2	71.9	66.2	61.5	11.3	5.2	3.5	2.8	3.6

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	37.8	41.2	42.5	46.5	50.1						0.6	0.6	0.9	0.8
Coal	37.3	36.4	35.2	38.9	42.1						-0.2	-0.7	1.0	0.8	0.6
Oil	35.0	37.8	39.3	42.6	46.1						0.5	0.8	0.8	0.8	0.8
Natural gas	40.0	42.7	44.8	48.9	53.0						0.4	1.0	0.9	0.8	0.9

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	23.8	66.0	78.5	108.2	140.0						7.0	3.5	3.3	2.6

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	79.4	156.9	200.2	342.0	557.0						4.6	5.0	5.5	5.0
Population (millions of people)	54.6	64.2	67.2	70.5	72.0						1.1	0.9	0.5	0.2	0.5
GDP per capita (thousands of 2000 USD/person)	1.5	2.4	3.0	4.9	7.7						3.5	4.1	5.0	4.8	4.7
Primary energy consumption per capita (toe/person)	0.5	1.3	1.5	2.2	3.2						6.1	2.8	3.7	3.9	3.6
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	368	532	502	445	408						2.5	-1.2	-1.2	-0.9	-1.1
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	300	420	392	317	251						2.3	-1.4	-2.1	-2.3	-2.0
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.81	0.79	0.78	0.71	0.62						-0.2	-0.2	-0.9	-1.4	-1.0
Road vehicle ownership volume (millions of vehicles)	2.8	9.8	12.5	17.7	22.1						8.7	5.0	3.5	2.3	3.3
Road vehicle ownership volume per capita (vehicles per person)	0.05	0.15	0.19	0.25	0.31						7.5	4.1	3.0	2.1	2.8

Thailand [APS]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	29.2	83.5	92.3	136.9	203.0	100	100	100	100	100	7.3	2.0	4.0	4.0	3.6
Coal	3.8	11.2	16.6	25.3	35.2	13.1	13.5	18.0	18.5	17.4	7.5	8.1	4.3	3.4	4.7
Oil	19.8	45.5	40.8	47.0	73.2	67.8	54.5	44.2	34.3	36.1	5.7	-2.2	1.4	4.5	1.9
Natural gas	5.1	25.9	33.5	57.6	82.5	17.4	31.0	36.3	42.1	40.6	11.5	5.3	5.6	3.7	4.7
Nuclear	0.0	0.0	0.0	3.9	7.7	0.0	0.0	0.0	2.8	3.8	-	-	-	7.2	-
Hydro	0.4	0.5	0.5	0.3	0.3	1.5	0.6	0.5	0.2	0.2	1.0	-1.6	-3.0	0.0	-1.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0
Others	0.1	0.3	0.9	2.8	3.9	0.2	0.4	1.0	2.0	1.9	12.8	22.3	12.2	3.4	10.5

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	21.6	55.3	69.6	108.9	149.7	100	100	100	100	100	6.5	4.7	4.6	3.2	4.1
Industry	6.0	21.5	28.4	49.5	73.4	27.6	38.9	40.8	45.5	49.0	8.9	5.7	5.7	4.0	5.0
Transportation	10.9	22.1	28.0	40.7	51.5	50.6	39.9	40.2	37.3	34.4	4.8	4.9	3.8	2.4	3.5
Others	4.5	10.6	12.1	17.7	23.6	20.8	19.3	17.4	16.2	15.8	5.9	2.6	3.9	3.0	3.2
Non-energy	0.2	1.1	1.1	1.1	1.1	1.0	2.0	1.6	1.0	0.7	11.4	0.0	0.0	0.0	0.0

Energy source	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	21.6	55.3	69.6	108.9	149.7	100	100	100	100	100	6.5	4.7	4.6	3.2	4.1
Coal	1.3	6.6	10.0	15.8	21.3	6.1	12.0	14.3	14.5	14.2	11.4	8.5	4.7	3.0	4.8
Oil	16.7	36.4	41.5	55.7	69.0	77.5	65.8	59.7	51.1	46.1	5.3	2.7	3.0	2.2	2.6
Natural gas	0.2	1.9	5.9	17.4	29.4	1.1	3.4	8.4	16.0	19.6	14.5	25.8	11.5	5.4	11.7
Electricity	3.3	10.4	12.0	19.5	29.1	15.3	18.9	17.3	17.9	19.4	8.0	2.9	5.0	4.1	4.2
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	0.2	0.5	0.9	0.0	0.0	0.3	0.5	0.6	-	-	9.5	5.0	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	44.2	132.2	153.3	244.9	361.3	100	100	100	100	100	7.6	3.0	4.8	4.0	4.1
Coal	11.1	20.0	27.5	43.3	67.8	25.0	15.1	17.9	17.7	18.8	4.0	6.6	4.6	4.6	5.0
Oil	10.4	8.7	3.2	1.3	1.3	23.5	6.6	2.1	0.5	0.4	-1.2	-18.1	-8.6	-0.3	-7.4
Natural gas	17.8	94.4	114.0	171.7	239.2	40.2	71.4	74.4	70.1	66.2	11.8	3.8	4.2	3.4	3.8
Nuclear	0.0	0.0	0.0	14.8	29.5	0.0	0.0	0.0	6.0	8.2	-	-	-	7.2	-
Hydro	5.0	5.8	5.4	4.0	4.0	11.3	4.4	3.5	1.6	1.1	1.0	-1.6	-3.0	0.0	-1.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0
Others	0.0	3.3	3.2	9.9	19.4	0.0	2.5	2.1	4.0	5.4	-	-0.5	11.9	7.0	7.4

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	9.4	27.1	30.6	46.4	64.9	100	100	100	100	100	7.3	2.4	4.3	3.4	3.6
Coal	2.5	4.7	6.7	9.6	13.8	27.2	17.4	22.0	20.6	21.3	4.2	7.3	3.6	3.8	4.4
Oil	2.6	2.0	0.7	0.3	0.2	27.3	7.3	2.3	0.6	0.4	-1.7	-18.7	-9.3	-1.0	-8.1
Natural gas	3.8	19.0	21.9	30.2	38.9	40.9	70.2	71.6	65.0	59.9	11.3	2.8	3.3	2.6	2.9

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	37.8	41.2	42.5	46.5	50.1						0.6	0.6	0.9	0.8	0.8
Coal	37.3	36.4	35.2	38.9	42.1						-0.2	-0.7	1.0	0.8	0.6
Oil	35.0	37.8	39.3	42.6	46.1						0.5	0.8	0.8	0.8	0.8
Natural gas	40.0	42.7	44.8	48.9	53.0						0.4	1.0	0.9	0.8	0.9

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
Total	23.8	66.0	71.7	95.6	120.2						7.0	1.7	2.9	2.3	2.4

Energy and economic indicators						AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
GDP (billions of 2000 US dollars)	79.4	156.9	200.2	342.0	557.0	4.6	5.0	5.5	5.0	5.2
Population (millions of people)	54.6	64.2	67.2	70.5	72.0	1.1	0.9	0.5	0.2	0.5
GDP per capita (thousands of 2000 USD/person)	1.5	2.4	3.0	4.9	7.7	3.5	4.1	5.0	4.8	4.7
Primary energy consumption per capita (toe/person)	0.5	1.3	1.4	1.9	2.8	6.1	1.1	3.5	3.8	3.1
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	368	532	461	400	364	2.5	-2.8	-1.4	-0.9	-1.5
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	300	420	358	280	216	2.3	-3.2	-2.4	-2.6	-2.6
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.81	0.79	0.78	0.70	0.59	-0.2	-0.3	-1.1	-1.6	-1.1
Road vehicle ownership volume (millions of vehicles)	2.8	9.8	12.5	17.7	22.1	8.7	5.0	3.5	2.3	3.3
Road vehicle ownership volume per capita (vehicles per person)	0.05	0.15	0.19	0.25	0.31	7.5	4.1	3.0	2.1	2.8

Viet Nam [BAU]

Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.4	27.3	41.1	88.3	169.1	100	100	100	100	100	11.4	8.5	8.0	6.7
Coal	2.2	8.1	14.7	36.9	82.2	41.0	29.7	35.8	41.7	48.6	9.0	12.6	9.6	8.4	9.7
Oil	2.7	12.5	17.0	30.7	52.7	50.5	45.6	41.5	34.8	31.2	10.6	6.5	6.1	5.5	5.9
Natural gas	0.0	4.9	6.1	11.2	19.9	0.0	18.0	14.7	12.7	11.7	64.9	4.3	6.3	5.9	5.7
Nuclear	0.0	0.0	0.0	1.6	6.4	0.0	0.0	0.0	1.9	3.8	-	-	-	14.6	-
Hydro	0.5	1.8	3.0	5.9	5.9	8.5	6.7	7.4	6.6	3.5	9.7	10.4	6.8	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	0.0	0.0	0.3	2.1	2.1	0.0	0.0	0.7	2.3	1.2	-	-	22.3	0.0	-

Final energy consumption	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.2	22.0	32.1	64.8	116.5	100	100	100	100	100	11.7	7.8	7.3	6.0
Industry	1.7	9.2	13.6	27.4	50.9	40.7	41.9	42.5	42.3	43.7	11.9	8.1	7.2	6.4	7.1
Transportation	1.4	7.1	9.9	18.7	33.0	33.5	32.0	30.8	28.8	28.3	11.3	7.0	6.6	5.9	6.4
Others	1.1	5.4	8.1	17.8	30.9	25.1	24.7	25.3	27.5	26.6	11.5	8.4	8.2	5.7	7.2
Non-energy	0.0	0.3	0.4	0.9	1.7	0.7	1.4	1.4	1.4	1.4	17.2	8.1	7.7	5.8	7.1
Energy source	4.2	22.0	32.1	64.8	116.5	100	100	100	100	100	11.7	7.8	7.3	6.0	6.9
Coal	1.3	6.0	7.6	12.6	19.7	31.5	27.2	23.8	19.4	16.9	10.6	5.0	5.1	4.6	4.9
Oil	2.4	12.0	16.5	30.0	51.8	55.9	54.4	51.4	46.3	44.5	11.5	6.6	6.2	5.6	6.0
Natural gas	0.0	0.1	0.4	2.5	7.6	0.0	0.5	1.2	3.8	6.5	-	30.0	20.8	12.0	18.9
Electricity	0.5	4.0	7.6	19.8	37.4	12.6	18.0	23.7	30.5	32.1	14.3	13.9	10.0	6.6	9.4
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	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.7	53.5	99.1	239.7	474.6	100	100	100	100	100	12.9	13.1	9.2	7.1
Coal	2.0	8.9	31.3	112.9	305.6	23.1	16.7	31.5	47.1	64.4	10.5	28.4	13.7	10.5	15.2
Oil	1.3	2.5	0.3	0.1	0.7	15.0	4.6	0.3	0.0	0.2	4.4	-35.9	-8.6	21.0	-4.7
Natural gas	0.0	20.6	32.4	51.8	74.2	0.1	38.5	32.7	21.6	15.6	72.1	9.5	4.8	3.7	5.3
Nuclear	0.0	0.0	0.0	6.3	24.6	0.0	0.0	0.0	2.6	5.2	-	-	-	14.6	-
Hydro	5.4	21.5	35.2	68.3	68.3	61.8	40.1	35.5	28.5	14.4	9.7	10.4	6.8	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	0.0	0.0	0.0	0.4	1.2	0.0	0.0	0.0	0.2	0.3	-	-	-	13.2	-

Power generation input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.7	9.5	16.5	41.5	88.3	100	100	100	100	100	12.0	11.8	9.6	7.9
Coal	0.9	2.1	7.1	24.3	62.6	51.2	22.5	42.8	58.5	70.8	6.0	27.1	13.1	9.9	14.5
Oil	0.4	0.7	0.7	0.9	1.1	22.0	7.2	4.5	2.2	1.3	3.9	2.0	2.0	2.0	2.0
Natural gas	0.0	4.8	5.7	8.7	12.3	0.2	50.8	34.4	21.1	13.9	64.7	3.4	4.4	3.5	3.8

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	22.4	36.1	40.7	41.8	43.1						3.2	2.4	0.3	0.3
Coal	19.4	36.1	38.0	40.0	42.0						4.2	1.0	0.5	0.5	0.6
Oil	29.4	31.4	33.0	33.0	33.0						0.5	1.0	0.0	0.0	0.2
Natural gas	19.0	36.8	49.0	51.0	52.0						4.5	5.9	0.4	0.2	1.4

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.7	22.1	33.8	72.4	145.4						10.9	8.9	7.9	7.2

Energy and economic indicators	1990	2005	2010	2020	2030	AAGR(%)				
	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	15.0	44.7	67.2	152.0	328.2	7.5	8.5	8.5	8.0
Population (millions of people)	66.2	83.1	87.8	97.0	104.0	1.5	1.1	1.0	0.7	0.9
GDP per capita (thousands of 2000 USD/person)	0.2	0.5	0.8	1.6	3.2	5.9	7.3	7.4	7.3	7.3
Primary energy consumption per capita (toe/person)	0.1	0.3	0.5	0.9	1.6	9.7	7.3	6.9	6.0	6.6
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	361	611	611	581	515	3.6	0.0	-0.5	-1.2	-0.7
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	311	494	502	477	443	3.1	0.3	-0.5	-0.7	-0.4
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.86	0.81	0.82	0.82	0.86	-0.4	0.3	0.0	0.5	0.2
Road vehicle ownership volume (millions of vehicles)	0.2	0.8	1.5	4.1	9.5	8.7	12.6	10.5	8.9	10.3
Road vehicle ownership volume per capita (vehicles per person)	0.00	0.01	0.02	0.04	0.09	7.0	11.4	9.4	8.1	9.3

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Primary energy demand	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	5.4	27.3	39.2	78.2	142.3	100	100	100	100	100	11.4	7.5	7.1	6.2
Coal	2.2	8.1	14.3	33.9	74.2	41.0	29.7	36.5	43.4	52.1	9.0	12.0	9.0	8.1	9.2
Oil	2.7	12.5	15.8	24.5	35.4	50.5	45.6	40.4	31.3	24.8	10.6	4.9	4.4	3.7	4.3
Natural gas	0.0	4.9	5.7	10.2	18.4	0.0	18.0	14.6	13.0	12.9	64.9	3.2	5.9	6.1	5.4
Nuclear	0.0	0.0	0.0	1.6	6.4	0.0	0.0	0.0	2.1	4.5	-	-	-	14.6	-
Hydro	0.5	1.8	3.0	5.9	5.9	8.5	6.7	7.7	7.5	4.1	9.7	10.4	6.8	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	0.0	0.0	0.3	2.1	2.1	0.0	0.0	0.7	2.6	1.5	-	-	21.9	0.0	-

Final energy consumption Sector	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.2	22.0	30.7	57.0	95.2	100	100	100	100	100	11.7	6.8	6.4	5.3
Industry	1.7	9.2	12.7	22.8	39.3	40.7	41.9	41.4	40.1	41.3	11.9	6.5	6.0	5.6	6.0
Transportation	1.4	7.1	9.5	16.2	25.7	33.5	32.0	30.9	28.4	26.9	11.3	6.0	5.5	4.7	5.3
Others	1.1	5.4	8.1	17.1	28.8	25.1	24.7	26.3	30.1	30.3	11.5	8.2	7.8	5.3	6.9
Non-energy	0.0	0.3	0.4	0.9	1.5	0.7	1.4	1.4	1.5	1.5	17.2	7.5	7.2	5.3	6.5
Energy source	4.2	22.0	30.7	57.0	95.2	100	100	100	100	100	11.7	6.8	6.4	5.3	6.0
Coal	1.3	6.0	7.6	12.4	19.2	31.5	27.2	24.8	21.8	20.1	10.6	4.9	5.0	4.4	4.8
Oil	2.4	12.0	15.3	23.8	34.4	55.9	54.4	49.9	41.7	36.2	11.5	5.0	4.5	3.8	4.3
Natural gas	0.0	0.1	0.4	2.5	7.6	0.0	0.5	1.2	4.3	8.0	-	30.0	20.8	12.0	18.9
Electricity	0.5	4.0	7.4	18.3	34.0	12.6	18.0	24.0	32.2	35.7	14.3	13.1	9.6	6.4	9.0
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	-	-	3.0	3.0	-

Power generation	TWh					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	8.7	53.5	95.6	221.0	428.7	100	100	100	100	100	12.9	12.3	8.7	6.9
Coal	2.0	8.9	29.5	100.1	268.6	23.1	16.7	30.9	45.3	62.7	10.5	27.0	13.0	10.4	14.6
Oil	1.3	2.5	0.3	0.1	0.7	15.0	4.6	0.3	0.0	0.2	4.4	-35.9	-8.6	21.0	-4.7
Natural gas	0.0	20.6	30.6	45.9	65.3	0.1	38.5	32.0	20.8	15.2	72.1	8.2	4.1	3.6	4.7
Nuclear	0.0	0.0	0.0	6.3	24.6	0.0	0.0	0.0	2.8	5.7	-	-	-	14.6	-
Hydro	5.4	21.5	35.2	68.3	68.3	61.8	40.1	36.8	30.9	15.9	9.7	10.4	6.8	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	0.0	0.0	0.0	0.4	1.2	0.0	0.0	0.0	0.2	0.3	-	-	-	13.2	-

Power generation Input	Mtoe					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	1.7	9.5	15.8	37.7	79.3	100	100	100	100	100	12.0	10.8	9.1	7.7
Coal	0.9	2.1	6.7	21.5	55.0	51.2	22.5	42.2	57.0	69.4	6.0	25.7	12.4	9.8	13.9
Oil	0.4	0.7	0.7	0.9	1.1	22.0	7.2	4.7	2.4	1.4	3.9	2.0	2.0	2.0	2.0
Natural gas	0.0	4.8	5.4	7.7	10.8	0.2	50.8	33.9	20.5	13.6	64.7	2.2	3.7	3.4	3.3

Thermal Efficiency	%					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1995-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	22.4	36.1	40.6	41.6	43.0						3.2	2.4	0.3	0.3
Coal	19.4	36.1	38.0	40.0	42.0						4.2	1.0	0.5	0.5	0.6
Oil	29.4	31.4	33.0	33.0	33.0						0.5	1.0	0.0	0.0	0.2
Natural gas	19.0	36.8	49.0	51.0	52.0						4.5	5.9	0.4	0.2	1.4

CO ₂ emissions	Mt-C					Share, %					AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	Total	4.7	22.1	32.1	63.4	121.2						10.9	7.8	7.0	6.7

Energy and economic indicators											AAGR(%)				
	1990	2005	2010	2020	2030	1990	2005	2010	2020	2030	1990-2005	2005-2010	2010-2020	2020-2030	2005-2030
	GDP (billions of 2000 US dollars)	15.0	44.7	67.2	152.0	328.2						7.5	8.5	8.5	8.0
Population (millions of people)	66.2	83.1	87.8	97.0	104.0						1.5	1.1	1.0	0.7	0.9
GDP per capita (thousands of 2000 USD/person)	0.2	0.5	0.8	1.6	3.2						5.9	7.3	7.4	7.3	7.3
Primary energy consumption per capita (toe/person)	0.1	0.3	0.4	0.8	1.4						9.7	6.3	6.1	5.4	5.9
Primary energy consumption per unit of GDP (toe/million 2000 US dollars)	361	611	583	514	433						3.6	-0.9	-1.2	-1.7	-1.4
CO ₂ emissions per unit of GDP (t-C/million 2000 US Dollars)	311	494	478	417	369						3.1	-0.7	-1.4	-1.2	-1.2
CO ₂ emissions per unit of primary energy consumption (t-C/toe)	0.86	0.81	0.82	0.81	0.85						-0.4	0.3	-0.1	0.5	0.2
Road vehicle ownership volume (millions of vehicles)	0.2	0.8	1.5	4.1	9.5						8.7	12.6	10.5	8.9	10.3
Road vehicle ownership volume per capita (vehicles per person)	0.00	0.01	0.02	0.04	0.09						7.0	11.4	9.4	8.1	9.3