

5.6 Electricity fuel use, generation and supply

	Thermal sources						Total	Non-thermal sources			Total All sources
	Coal	Oil	Gas	Nuclear	Renewables (1)	Other (3)		Hydro-natural flow	Hydro-pumped storage	Other (4)	
1999											
Major power producers (2)											
Fuel used	285,004	9,500	281,986	258,374	2,546	-	837,410	4,431	2,902	-	844,744
Generation	102,074	2,943	128,365	95,133	761	-	329,276	4,431	2,902	-	336,608
Used on works	4,725	210	2,759	7,461	187	-	15,342	21	98	-	15,461
Supplied (gross)	97,348	2,733	125,606	87,672	574	-	313,933	4,409	2,804	-	321,147
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,774
Supplied (net)	-	-	-	-	-	-	-	-	-	-	317,373
Other generators (2)											
Fuel used	11,702	8,420	33,562	-	13,659	16,187	83,531	905	-	851	85,287
Generation	4,106	3,606	14,537	-	3,227	4,312	29,787	905	-	851	31,543
Used on works	197	267	471	-	100	198	1,233	11	-	-	1,245
Supplied	3,909	3,339	14,066	-	3,126	4,113	28,554	894	-	851	30,298
All generating companies											
Fuel used	296,706	17,920	315,548	258,374	16,205	16,187	920,941	5,336	2,902	851	930,030
Generation	106,179	6,549	142,902	95,133	3,988	4,312	359,063	5,336	2,902	851	368,151
Used on works	4,922	477	3,230	7,461	287	198	16,576	33	98	-	16,706
Supplied (gross)	101,257	6,072	139,672	87,672	3,700	4,113	342,487	5,303	2,804	851	351,445
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,774
Supplied (net)	-	-	-	-	-	-	-	-	-	-	347,671
2000											
Major power producers (2)											
Fuel used	322,907	8,981	283,781	228,358	2,921	-	846,949	4,331	2,694	-	853,974
Generation	117,025	2,415	129,558	85,063	698	-	334,758	4,331	2,694	-	341,783
Used on works	5,175	292	2,592	6,729	58	-	14,846	15	91	-	14,952
Supplied (gross)	111,850	2,123	126,965	78,334	640	-	319,912	4,316	2,603	-	326,831
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,499
Supplied (net)	-	-	-	-	-	-	-	-	-	-	323,332
Other generators (2)											
Fuel used	10,522	9,042	40,779	-	15,517	15,743	91,603	755	-	947	93,304
Generation	2,925	4,109	18,519	-	3,630	4,401	33,584	755	-	947	35,285
Used on works	39	304	592	-	203	202	1,340	12	-	-	1,352
Supplied	2,887	3,805	17,927	-	3,427	4,198	32,244	743	-	947	33,933
All generating companies											
Fuel used	333,429	18,023	324,560	228,358	18,439	15,743	938,551	5,085	2,694	947	947,278
Generation	119,950	6,524	148,077	85,063	4,328	4,401	368,342	5,085	2,694	947	377,069
Used on works	5,214	596	3,184	6,729	261	202	16,186	27	91	-	16,304
Supplied (gross)	114,736	5,928	144,892	78,334	4,067	4,198	352,156	5,058	2,603	947	360,784
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,499
Supplied (net)	-	-	-	-	-	-	-	-	-	-	357,266
2001											
Major power producers (2)											
Fuel used	355,582r	9,510r	276,761	241,537r	3,102r	-	886,492r	3,215	2,422r	-	892,129r
Generation	127,128r	2,472	126,99r	90,093r	729r	-	347,420r	3,215	2,422r	-	353,057r
Used on works	5,830r	281r	2,709r	7,108r	46r	-	15,973r	11	82r	-	16,066r
Supplied (gross)	121,298	2,192	124,289	82,985	683	-	331,447	3,203r	2,340	-	336,991
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,210
Supplied (net)	-	-	-	-	-	-	-	-	-	-	333,781
Other generators (2)											
Fuel used	11,987r	7,035r	35,757r	-	18,851r	12,053r	85,684r	840	-	965	87,489r
Generation	4,333r	2,781	14,906r	-	4,318	3,577r	29,915r	840	-	965	31,721r
Used on works	230r	196r	480r	-	246	165r	1,316r	12r	-	-	1,328r
Supplied	4,104r	2,585r	14,426r	-	4,072	3,412r	28,599r	829	-	965	30,393r
All generating companies											
Fuel used	367,569r	16,545r	312,518r	241,537r	21,953r	12,053r	972,176r	4,055	2,422r	965	979,618r
Generation	131,461r	5,253	141,905r	90,093r	5,048r	3,577r	377,336r	4,055	2,422r	965	384,778r
Used on works	6,059r	476r	3,189r	7,108r	292r	165r	17,289r	23r	82r	-	17,394r
Supplied (gross)	125,402r	4,777r	138,716r	82,985	4,755	3,412r	360,047r	4,032r	2,340	965	367,384r
Used in pumping	-	-	-	-	-	-	-	-	-	-	3,210
Supplied (net)	-	-	-	-	-	-	-	-	-	-	364,174r

5.6 Electricity fuel use, generation and supply (cont'd)

	Thermal sources						Non-thermal sources			Total All sources	
	Coal	Oil	Gas	Nuclear	Renewables (1)	Other (3)	Total	Hydro-natural flow	Hydro-pumped storage		Other (4)
2002											
Major power producers (2)											
Fuel used	332,889r	8,011	291,264	233,765r	3,186r	-	869,115r	3,927	2,652	-	875,694r
Generation	120,958	2,011	135,741	87,848r	856r	-	347,414r	3,927r	2,652	-	353,994r
Used on works	5,574	378	2,877	6,758r	55r	-	15,643r	14r	90	-	15,746r
Supplied (gross)	115,383	1,633	132,864	81,090	802	-	331,772	3,914	2,562	-	338,248
Used in pumping											3,463
Supplied (net)											334,785
Other generators (2)											
Fuel used	11,663r	6,968r	38,771r	-	20,923r	12,339r	90,664r	860	-	1,259	92,783r
Generation	3,339r	2,798r	16,576r	-	4,769r	3,912r	31,393r	860	-	1,259	33,513r
Used on works	230	207	533r	-	264r	181r	1,414r	11	-	-	1,426r
Supplied	3,108r	2,592r	16,043r	-	4,505r	3,731r	29,979r	849	-	1,259	32,087r
All generating companies											
Fuel used	344,552r	14,979r	330,035r	233,765r	24,108r	12,339r	959,779r	4,788	2,652	1,259	968,477r
Generation	124,296r	4,809r	152,317r	87,848r	5,625r	3,912r	378,808r	4,788r	2,652	1,259	387,506r
Used on works	5,805	585r	3,410r	6,758r	318r	181r	17,057r	25r	90	-	17,172r
Supplied (gross)	118,492r	4,225r	148,907r	81,090	5,306r	3,731r	361,751r	4,763	2,562	1,259	370,334r
Used in pumping											3,463
Supplied (net)											366,871r
2003											
Major power producers (2)											
Fuel used	371,878	7,604	284,662	233,080	4,187	-	901,410	2,568	2,734	-	906,712
Generation	134,023	2,197	131,238	88,686	1,154	-	357,299	2,568	2,734	-	362,600
Used on works	6,325	249	3,201	6,775	95	-	16,645	9	92	-	16,747
Supplied (gross)	127,698	1,948	128,037	81,911	1,059	-	340,654	2,559	2,641	-	345,854
Used in pumping											3,546
Supplied (net)											342,308
Other generators (2)											
Fuel used	11,318	7,048	40,201	-	24,042	16,924	99,533	660	-	1,288	101,481
Generation	4,219	2,672	17,409	-	5,554	4,218	34,071	660	-	1,288	36,019
Used on works	217	197	540	-	335	195	1,484	7	-	-	1,491
Supplied	4,002	2,475	16,869	-	5,218	4,022	32,587	653	-	1,288	34,528
All generating companies											
Fuel used	383,196	14,652	324,862	233,080	28,229	16,924	1,000,943	3,228	2,734	1,288	1,008,193
Generation	138,242	4,869	148,646	88,686	6,708	4,218	391,370	3,228	2,734	1,288	398,620
Used on works	6,541	446	3,741	6,775	431	195	18,129	16	92	-	18,238
Supplied (gross)	131,701	4,423	144,906	81,911	6,277	4,022	373,240	3,212	2,641	1,288	380,392
Used in pumping											3,546
Supplied (net)											376,836
1999											
2000											
2001											
2002											
2003											
	Conv- ventional thermal (5)	CCGT	Conv- ventional thermal (5)	CCGT	Conv- ventional thermal (5)	CCGT	Conv- ventional thermal (5)	CCGT	Conv- ventional thermal (5)	CCGT	Conv- ventional thermal (5)
Major power producers (2)											
Generated	119,523	114,620	131,760	117,935	133,482r	123,846r	127,550r	132,016r	147,536	121,076	121,076
Supplied (gross)	113,493	112,768	125,468	116,110	127,118r	121,344r	121,297r	129,384r	140,196	118,546	118,546
Other generators											
Generated	22,646	7,141	22,724	10,859	20,937r	8,979	20,820r	10,577r	23,320	10,759	10,759
Supplied (gross)	21,769	6,785	21,926	10,318	20,068r	8,531	19,933r	10,049r	22,373	10,222	10,222
All generating companies											
Generated	142,169	121,761	154,485	128,794	154,418r	132,825r	148,370r	142,593r	170,857	131,835	131,835
Supplied (gross)	135,262	119,553	147,394	126,428	147,186r	129,875r	141,230r	139,433r	162,569	128,786	128,786

(1) Thermal renewable sources are those included under biofuels and non-biodegradable wastes in Chapter 7.

(2) See paragraphs 5.47 and 5.48 on companies covered.

(3) Other thermal sources include coke oven gas, blast furnace gas and waste products from chemical processes.

(4) Other non-thermal sources include wind, wave and solar photovoltaics.

(5) Includes gas turbines, oil engines and plants producing electricity from renewable sources other than hydro.