

**Gross Power Generation by Source
in MWh**

LUZON	2002	2003	2004	2005	2006	2007	2008
Coal	15,814,345	14,351,121	15,548,335	14,653,275	14,099,158	14,417,796	13,503,727
Oil-based	3,625,031	3,595,860	4,590,814	2,021,641	1,711,415	2,192,048	1,928,244
Combined Cycle	748,450	438,755	738,437	90,608	238,870	652,834	513,442
Diesel	2,166,500	2,317,101	2,688,194	1,910,774	1,315,067	1,348,033	952,751
Gas Turbine	29,338	1,737	183	1,433	0	0	0
Oil Thermal	680,743	838,268	1,164,000	18,826	157,478	191,182	462,051
Natural Gas	8,770,851	13,139,410	12,384,467	16,860,917	16,365,960	18,789,414	19,575,855
Geothermal	5,276,171	2,600,465	3,033,417	2,742,203	3,519,417	3,600,503	3,729,921
Hydro	2,900,487	3,847,774	4,296,879	4,331,224	5,492,271	4,562,309	5,400,402
Wind	0	0	0	17,469	53,235	57,842	61,386
Total Generation	36,386,885	37,534,630	39,853,911	40,626,730	41,241,457	43,619,911	44,199,534
VISAYAS	2002	2003	2004	2005	2006	2007	2008
Coal	313,542	587,626	646,077	603,903	718,663	848,428	745,686
Oil-based	1,651,665	1,860,563	1,997,708	1,799,876	1,281,766	1,477,089	1,664,802
Diesel	1,378,402	1,480,745	1,649,383	1,486,431	1,165,700	1,334,868	1,432,627
Gas Turbine	7,499	40,236	82,094	23,862	193	9,045	36,485
Oil Thermal	265,763	339,582	266,231	289,582	115,873	133,176	195,690
Geothermal	4,108,410	6,360,964	6,338,317	6,267,377	6,100,202	5,746,878	6,199,159
Hydro	25,197	33,033	34,277	27,196	28,093	29,197	40,047
Total Generation	6,098,814	8,842,186	9,016,379	8,698,352	8,128,723	8,101,593	8,649,694
MINDANAO	2002	2003	2004	2005	2006	2007	2008
Coal	0	0	0	0	476,245	1,570,872	1,499,380
Oil-based	1,016,537	1,713,693	1,915,799	2,319,927	1,671,619	1,478,868	1,275,288
Diesel	1,016,082	1,711,563	1,915,500	2,319,772	1,671,376	1,478,775	1,275,010
Oil	455	2,129	299	155	242	93	278
Geothermal	857,912	861,015	909,815	892,863	845,660	867,308	793,700
Hydro	4,107,289	3,989,013	4,261,525	4,028,352	4,419,049	3,971,927	4,402,084
Solar	0	0	0	1,517	1,376	1,309	1,304
Total Generation	5,981,738	6,563,721	7,087,140	7,242,659	7,413,949	7,890,283	7,971,756
PHILIPPINES by Grid	2002	2003	2004	2005	2006	2007	2008
Luzon	36,386,885	37,534,630	39,853,911	40,626,730	41,241,457	43,619,911	44,199,534
Visayas	6,098,814	8,842,186	9,016,379	8,698,352	8,128,723	8,101,593	8,649,694
Mindanao	5,981,738	6,563,721	7,087,140	7,242,659	7,413,949	7,890,283	7,971,756
Total	48,467,436	52,940,537	55,957,430	56,567,740	56,784,130	59,611,788	60,820,985
PHILIPPINES by Source	2002	2003	2004	2005	2006	2007	2008
Coal	16,127,886	14,938,748	16,194,412	15,257,178	15,294,066	16,837,096	15,748,794
Oil-based	6,293,233	7,170,115	8,504,321	6,141,444	4,664,799	5,148,006	4,868,333
Combined Cycle	748,450	438,755	738,437	90,608	238,870	652,834	513,442
Diesel	4,560,984	5,509,409	6,253,077	5,716,977	4,152,144	4,161,675	3,660,388
Gas Turbine	36,838	41,972	82,277	25,295	193	9,045	36,485
Oil	946,961	1,179,979	1,430,529	308,564	273,593	324,452	658,018
Natural Gas	8,770,851	13,139,410	12,384,467	16,860,917	16,365,960	18,789,414	19,575,855
Geothermal	10,242,493	9,822,444	10,281,550	9,902,443	10,465,279	10,214,688	10,722,780
Hydro	7,032,973	7,869,820	8,592,681	8,386,773	9,939,413	8,563,433	9,842,534
Wind	0	0	0	17,469	53,235	57,842	61,386
Solar	0	0	0	1,517	1,376	1,309	1,304
Total Generation	48,467,436	52,940,537	55,957,430	56,567,740	56,784,130	59,611,788	60,820,985

Note:

Generation data includes grid connected, embedded and off-grid generator.

Visayas Sub-grid Generation by Source
in MWh

	2005	2006	2007	2008
CEBU	1,716,252	1,365,766	1,567,188	1,647,358
Coal	603,903	718,663	848,428	745,686
Oil-based	1,107,808	641,650	714,027	895,430
Diesel	794,363	525,584	571,805	663,255
Gas Turbine	23,862	193	9,045	36,485
Oil Thermal	289,582	115,873	133,176	195,690
Hydro	4,541	5,454	4,733	6,242
NEGROS	1,422,674	1,379,406	1,459,796	1,344,338
Geothermal	1,420,794	1,376,727	1,457,666	1,342,588
Hydro	1,880	2,679	2,130	1,751
PANAY	652,438	607,735	727,806	724,791
Diesel	652,438	607,735	727,806	724,791
LEYTE-SAMAR	4,848,387	4,725,263	4,290,112	4,858,272
Geothermal	4,846,583	4,723,475	4,289,212	4,856,571
Hydro	1,804	1,788	900	1,701
BOHOL	23,712	22,685	32,506	50,258
Diesel	4,741	4,513	11,072	19,904
Hydro	18,971	18,172	21,434	30,354
SPUG	34,889	27,868	24,185	24,677
Visayas w/ SPUG	8,698,352	8,128,723	8,101,593	8,649,694
Visayas W/out SPUG	8,663,463	8,100,855	8,077,409	8,625,017

Note:

Generation data includes grid connected, embedded and off-grid generator.

**Gross Power Generation by Ownership
in MWh**

LUZON	2003	2004	2005	2006	2007	2008
NPC	8,657,765	9,815,942	8,940,873	10,151,183	8,753,565	6,017,617
NPC-SPUG	362,281	307,956	347,958	395,638	323,106	330,245
NPC-IPP	16,551,238	17,388,492	16,802,445	15,697,752	18,186,606	19,591,211
Non-NPC	11,963,346	12,341,521	14,535,453	14,996,884	16,356,635	18,260,462
Total Generation	37,534,630	39,853,911	40,626,730	41,241,457	43,619,911	44,199,534
VISAYAS	2003	2004	2005	2006	2007	2008
NPC	2,248,367	2,383,809	2,405,941	2,285,094	2,380,146	2,332,300
NPC-SPUG	28,427	26,107	34,889	27,868	24,185	24,677
NPC-IPP	5,013,656	4,987,116	4,783,435	4,567,554	4,254,623	4,983,186
Non-NPC	1,551,736	1,619,347	1,474,087	1,248,207	1,442,640	1,309,530
Total Generation	8,842,186	9,016,379	8,698,352	8,128,723	8,101,593	8,649,694
MINDANAO	2003	2004	2005	2006	2007	2008
NPC	3,961,534	4,231,058	3,970,988	4,356,036	4,017,307	4,392,914
NPC-SPUG	67,985	60,629	79,581	83,379	90,082	93,131
NPC-IPP	2,493,262	2,757,354	3,130,882	2,907,359	3,714,700	3,397,821
Non-NPC	40,940	38,099	61,207	67,175	68,195	87,891
Total Generation	6,563,721	7,087,140	7,242,659	7,413,949	7,890,283	7,971,756
Total PHILIPPINES	2003	2004	2005	2006	2007	2008
NPC	14,867,666	16,430,809	15,317,802	16,792,313	15,151,017	12,742,831
NPC-SPUG	458,692	394,691	462,428	506,885	437,372	448,054
NPC-IPP	24,058,156	25,132,962	24,716,762	23,172,666	26,155,930	27,972,217
Non-NPC	13,556,023	13,998,967	16,070,748	16,312,267	17,867,469	19,657,883
Total Generation	52,940,537	55,957,430	56,567,740	56,784,130	59,611,788	60,820,985

**Electricity Sales and Consumption by Sector
in MWh**

Luzon	2003	2004	2005	2006	2007	2008
Residential	11,795,920	12,114,757	12,037,503	11,801,709	12,129,245	12,235,803
Commercial	9,649,022	10,138,137	10,495,060	10,865,084	11,503,251	12,065,744
Industrial	10,476,442	10,148,988	10,669,917	10,562,722	11,033,946	11,522,202
Others	547,072	622,797	588,557	711,883	768,443	791,669
Total Sales	32,468,456	33,024,680	33,791,038	33,941,398	35,434,885	36,615,419
Own-Use	2,825,775	3,856,057	3,738,405	3,443,789	3,140,721	3,069,218
System Loss	5,190,782	5,508,907	5,033,287	5,039,235	5,764,135	5,632,154
Total Consumption	40,485,013	42,389,644	42,562,730	42,424,421	44,339,741	45,316,792
Visayas	2003	2004	2005	2006	2007	2008
Residential	1,784,959	1,872,854	1,999,023	2,036,357	2,157,467	2,208,277
Commercial	665,614	783,096	861,240	910,005	1,002,669	1,043,842
Industrial	2,022,241	1,999,039	2,104,110	2,340,239	2,402,248	2,416,489
Others	245,000	376,787	319,986	264,807	454,767	292,585
Total Sales	4,717,814	5,031,776	5,284,359	5,551,408	6,017,151	5,961,193
Own-Use	484,481	661,113	679,446	606,006	574,113	588,755
System Loss	742,299	787,806	798,547	788,345	790,499	982,489
Total Consumption	5,944,594	6,480,696	6,762,352	6,945,759	7,381,763	7,532,437
Mindanao	2003	2004	2005	2006	2007	2008
Residential	1,775,703	1,932,626	1,994,831	1,992,135	2,088,878	2,200,150
Commercial	791,411	863,948	889,147	903,959	964,494	1,026,418
Industrial	2,689,610	2,863,964	2,931,133	2,985,180	3,085,523	3,092,211
Others	277,000	358,964	268,893	298,094	418,107	310,723
Total Sales	5,533,723	6,019,502	6,084,005	6,179,367	6,557,002	6,629,502
Own-Use	100,208	136,743	173,315	177,649	279,436	276,772
System Loss	876,998	930,846	985,339	1,056,934	1,053,846	1,065,482
Total Consumption	6,510,930	7,087,090	7,242,659	7,413,949	7,890,283	7,971,756
Philippines	2003	2004	2005	2006	2007	2008
Residential	15,356,581.790	15,920,237	16,031,358	15,830,201	16,375,589	16,644,230
Commercial	11,106,046.430	11,785,181	12,245,447	12,679,048	13,470,414	14,136,004
Industrial	15,188,292.890	15,011,992	15,705,160	15,888,141	16,521,717	17,030,903
Others	1,069,072.484	1,358,549	1,177,437	1,274,783	1,641,317	1,394,977
Total Sales	42,719,994	44,075,959	45,159,402	45,672,173	48,009,038	49,206,114
Own-Use	3,410,464.25	4,653,913	4,591,167	4,227,443	3,994,270	3,934,746
System Loss	6,810,078.98	7,227,558	6,817,172	6,884,514	7,608,480	7,680,125
Total Consumption	52,940,537	55,957,430	56,567,741	56,784,130	59,611,788	60,820,985
PHILIPPINES by Grid	2003	2004	2005	2006	2007	2008
Luzon	40,485,013	42,389,644	42,562,730	42,424,421	44,339,741	45,316,792
Visayas	5,944,594	6,480,696	6,762,352	6,945,759	7,381,763	7,532,437
Mindanao	6,510,930	7,087,090	7,242,659	7,413,949	7,890,283	7,971,756
Total	52,940,537	55,957,430	56,567,741	56,784,130	59,611,788	60,820,985

Notes:

Own Use includes Distribution Utilities company used and Power Plants Station Used.

System Losses includes Distribution Utilities losses and Transmission losses (substation used, transformation and other unaccounted losses).

Others includes public buildings, street lights, irrigation, energy recovered and others not elsewhere classified.

**System Peak Demand
(in MW)**

Year	Luzon	% AAGR	Visayas*	% AAGR	Mindanao	% AAGR	Total non-coincident peak	% AAGR
1985	2,311		256		470		3,037	
1986	2,435	5.4	284	10.9	484	3.0	3,203	5.5
1987	2,592	6.4	307	8.1	533	10.1	3,432	7.1
1988	2,780	7.3	333	8.5	571	7.1	3,684	7.3
1989	2,938	5.7	354	6.3	617	8.1	3,909	6.1
1990	2,973	1.2	380	7.3	621	0.6	3,974	1.7
1991	3,045	2.4	410	7.9	626	0.8	4,081	2.7
1992	3,250	6.7	472	15.1	573	(8.5)	4,295	5.2
1993	3,473	6.9	512	8.5	691	20.6	4,676	8.9
1994	3,561	2.5	557	8.8	696	0.7	4,814	3.0
1995	3,920	10.1	628	12.7	780	12.1	5,328	10.7
1996	4,306	9.8	647	3.0	828	6.2	5,781	8.5
1997	4,773	10.8	725	12.1	852	2.9	6,350	9.8
1998	4,863	1.9	707	(2.5)	868	1.9	6,438	1.4
1999	4,986	2.5	729	3.1	892	2.8	6,607	2.6
2000	5,450	9.3	749	2.7	939	5.3	7,138	8.0
2001	5,646	3.6	898	19.9	953	1.5	7,497	5.0
2002	5,823	3.1	903	0.6	995	4.4	7,721	3.0
2003	6,149	5.6	995	10.2	1,131	13.7	8,275	7.2
2004	6,323	2.8	1,025	3.0	1,177	4.1	8,525	3.0
2005	6,443	1.9	1,037	1.2	1,149	(2.4)	8,629	1.2
2006	6,466	0.4	1,066	2.8	1,228	6.9	8,760	1.5
2007	6,643	2.7	1,102	3.4	1,241	1.1	8,987	2.6
2008	6,674	0.5	1,176	6.7	1,204	(3.0)	9,054	0.7
1999-2008		3.2		5.4		3.4		3.5
2001-2008		2.6		6.0		3.3		3.4
2004-2008		1.66		3.4		1.3		1.8

* includes PECO demand

SYSTEM PEAK (in MW)

MONTH	LUZON								VISAYAS								MINDANAO							
	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008	
JAN	5,119	5,212	5,282	5,511	5,471	5,619	5,819	5,972	761	781	797	866	890	906	946	1,067	887	911	946	1,058	1,082	1,062	1,108	1,158
FEB	5,157	5,056	5,345	5,701	5,853	5,776	6,115	6,094	747	760	792	839	892	929	969	1,069	900	913	918	1,044	1,082	1,077	1,141	1,146
MAR	5,384	5,424	5,705	6,065	6,210	6,186	6,157	6,211	755	765	822	878	899	949	972	1,092	903	900	978	1,027	1,082	1,088	1,177	1,162
APR	5,523	5,589	6,149	6,218	6,266	6,222	6,581	6,663	794	826	828	889	916	964	1,007	1,112	887	927	985	1,051	1,087	1,090	1,167	1,190
MAY	5,646	5,823	6,109	6,323	6,443	6,466	6,643	6,485	777	842	837	896	928	968	1,015	1,090	901	920	1,001	1,099	1,055	1,118	1,109	1,159
JUN	5,447	5,750	5,831	5,978	6,348	6,339	6,619	6,674	773	818	858	857	926	961	1,078	1,089	897	931	1,021	1,035	1,072	1,100	1,145	1,188
JUL	5,281	5,652	5,856	6,061	6,039	6,221	6,464	6,559	780	803	817	880	931	977	1,090	1,105	894	924	976	1,025	1,045	1,093	1,141	1,163
AUG	5,313	5,604	5,813	5,906	6,107	6,094	6,369	6,403	778	793	832	889	919	951	1,100	1,127	926	941	980	1,086	1,061	1,119	1,141	1,147
SEP	5,364	5,559	5,885	6,097	5,998	6,195	6,416	6,496	826	790	834	894	911	976	1,094	1,128	947	927	995	1,102	1,078	1,090	1,203	1,163
OCT	5,460	5,687	5,878	5,916	5,843	5,845	6,155	6,627	798	780	857	904	917	967	1,088	1,174	954	950	1,019	1,134	1,122	1,130	1,193	1,156
NOV	5,319	5,712	5,957	5,987	5,889	5,974	6,137	6,492	799	790	897	952	943	984	1,101	1,176	938	965	1,051	1,155	1,149	1,147	1,158	1,204
DEC	5,305	5,707	5,904	5,900	5,910	5,813	6,195	6,376	813	842	924	955	967	997	1,102	1,165	933	995	1,131	1,177	1,105	1,228	1,241	1,175
MAX	5,646	5,823	6,149	6,323	6,443	6,466	6,643	6,674	826	842	924	955	967	997	1,102	1,176	954	995	1,131	1,177	1,149	1,228	1,241	1,204
% AAGR	3.60	3.13	5.60	2.83	1.90	0.36	2.74	0.47	10.28	1.94	9.74	3.31	1.28	3.09	10.61	6.68	1.60	4.30	13.67	4.09	-2.40	6.88	1.09	-3.04

Visayas Sub-grid Coincident Peak Demand, MW

Year	CEBU	% AAGR	NEGROS	% AAGR	PANAY	% AAGR	LEYTE-SAMAR	% AAGR	BOHOL	% AAGR	VISAYAS	% AAGR
1995	248		113		88		116		21		586	
1996	272	9.7	127	12.6	95	7.0	116	0.3	22	5.7	632	7.9
1997	291	7.1	141	10.7	114	20.8	152	30.4	24	7.2	722	14.2
1998	297	2.1	136	-3.7	114	-0.5	127	-16.0	28	15.9	702	-2.8
1999	333	12.2	152	12.0	81	-28.6	126	-1.1	30	8.7	722	3.0
2000	353	6.0	156	2.5	84	3.4	122	-3.3	32	5.0	746	3.3
2001	377	6.6	151	-2.8	146	73.9	156	28.1	31	-3.4	861	15.3
2002	349	-7.4	178	17.4	113	-22.4	162	3.9	40	30.9	842	-2.2
2003	422	21.0	179	0.9	105	-7.6	175	7.9	41	3.3	923	9.5
2004	417	-1.1	199	10.9	122	16.7	167	-4.5	49	18.7	955	3.5
2005	438	4.9	195	-2.0	120	-1.9	168	0.7	46	-6.3	967	1.3
2006	458	4.7	199	1.9	123	2.6	171	1.4	46	0.4	997	3.1
2007	477	4.1	209	5.1	182	48.2	186	8.8	49	5.4	1,102	10.6
2008	522	9.4	218	4.3	203	11.5	182	-2.2	52	6.2	1,176	6.7
1995-2008		6.1		5.4		9.5		4.2		7.5		5.6
1999-2008		6.0		5.0		9.6		4.0		6.9		5.4
2004-2008		4.4		4.0		15.4		0.8		4.9		5.0

Note:

1. November 22, 1998 Panay Electric Co. (PECO) was isolated from the system
2. Negros - Panay (100 MW) was interconnected thru Submarine Cable last October 17, 1990
3. Cebu - Negros was interconnected thru Submarine Cable last January 26, 1994 (Phase I) 100 MW and August 2008 (Phase II) 100 MW
4. Leyte-Cebu was interconnected last 1997 for Phase I (200 MW) and 2005 for Phase II (200 MW)
5. Leyte-Bohol was interconnected last 2000 for Phase I (50 MW) and 2002 for Phase II (50 MW)
6. Panay Power Corporation (PPC) availed ODPS Contract from July 1, 2001 to July 1, 2002
7. Panay demand increased due to PPC synchronized to the system on 6 June 2007
8. From 1998-2006 excludes demand of Panay Electric Co. (PPC) in Visayas Grid
9. Source of data from TransCo/NGCP