

Gross Power Generation by Plant Type*
in MWh



LUZON	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	% Share
Coal	15,814,345	14,351,121	15,548,335	14,653,275	14,099,158	14,417,796	13,503,727	14,091,376	20,046,584	19,681,127	21,877,501	25,755,945	27,346,492	29,679,511	49.4%
Oil-based	3,625,031	3,595,860	4,590,814	2,021,641	1,711,415	2,192,048	1,928,244	1,864,281	3,287,173	1,290,685	1,800,321	1,600,626	2,342,360	1,844,787	3.1%
Combined Cycle	748,450	438,755	738,437	90,608	238,870	652,834	513,442	638,520	1,202,040	123,556	227,354	247,159	514,980	275,892	0.5%
Diesel	2,166,500	2,317,101	2,688,194	1,910,774	1,315,067	1,348,033	952,751	594,559	1,003,383	890,321	1,099,123	1,183,466	1,520,521	1,483,176	2.5%
Gas Turbine	29,338	1,737	183	1,433	0	0	0	0	0	0	0	0	0	10,290	0.0%
Oil Thermal	680,743	838,268	1,164,000	18,826	157,478	191,182	462,051	631,203	1,081,749	276,807	473,844	170,001	306,559	75,489	0.1%
Natural Gas	8,770,851	13,139,410	12,384,467	16,860,917	16,365,960	18,789,414	19,575,855	19,886,827	19,517,854	20,591,323	19,641,527	18,783,471	18,686,808	18,877,915	31.4%
Geothermal	5,276,171	2,600,465	3,033,417	2,742,203	3,519,417	3,600,503	3,729,921	3,515,964	3,323,495	3,485,813	3,588,417	3,398,601	3,817,330	4,096,454	6.8%
Hydro	2,900,487	3,847,774	4,296,879	4,331,224	5,492,271	4,562,309	5,400,402	5,549,227	4,013,529	4,836,470	5,292,482	5,155,521	4,357,160	4,768,825	7.9%
Wind	0	0	0	17,469	53,235	57,842	61,386	64,428	61,717	88,204	75,339	65,655	152,052	591,756	1.0%
Biomass								2,752	14,375	43,638	36,839	59,699	65,279	187,188	0.3%
Solar														66,427	0.1%
Total Generation	36,386,885	37,534,630	39,853,911	40,626,730	41,241,457	43,619,911	44,199,534	44,974,855	50,264,725	50,017,259	52,312,426	54,819,517	56,766,481	60,112,863	100.0%
VISAYAS															
Coal	313,542	587,626	646,077	603,903	718,663	848,428	745,686	822,007	1,528,682	4,032,202	4,701,053	4,689,683	4,449,483	4,968,437	40.8%
Oil-based	1,651,665	1,860,563	1,997,708	1,799,876	1,281,766	1,477,089	1,664,802	1,863,970	1,726,580	683,226	734,172	796,470	765,893	672,207	5.5%
Diesel	1,378,402	1,480,745	1,649,383	1,486,431	1,165,700	1,334,868	1,432,627	1,554,155	1,446,180	448,577	514,274	528,780	614,558	672,207	5.5%
Gas Turbine	7,499	40,236	82,094	23,862	193	9,045	36,485	61,972	3,164	0	0	0	0	0	0.0%
Oil Thermal	265,763	339,582	266,231	289,582	115,873	133,176	195,690	247,843	277,236	234,649	219,899	267,689	151,335	0	0.0%
Natural Gas												7,815	4,269	0	0.0%
Geothermal	4,108,410	6,360,964	6,338,317	6,267,377	6,100,202	5,746,878	6,199,159	5,984,957	5,771,218	5,615,561	5,930,484	5,463,017	5,627,241	6,105,383	50.2%
Hydro	25,197	33,033	34,277	27,196	28,093	29,197	40,047	42,406	35,889	53,117	46,161	36,936	35,475	38,375	0.3%
Biomass								10,957	12,896	71,636	70,844	105,673	116,523	158,864	1.3%
Solar													15,040	70,559	0.6%
Wind														156,658	1.3%
Total Generation	6,098,814	8,842,186	9,016,379	8,698,352	8,128,723	8,101,593	8,649,694	8,724,298	9,075,264	10,455,743	11,482,714	11,099,593	11,013,924	12,170,483	100.0%
MINDANAO															
Coal	0	0	0	0	476,245	1,570,872	1,499,380	1,562,753	1,725,839	1,628,848	1,686,314	1,635,380	1,257,542	2,037,738	20.1%
Oil-based	1,016,537	1,713,693	1,915,799	2,319,927	1,671,619	1,478,868	1,275,288	1,652,415	2,087,250	1,423,688	1,719,521	2,093,504	2,598,495	3,369,442	33.3%
Diesel	1,016,082	1,711,563	1,915,500	2,319,772	1,671,376	1,478,775	1,275,010	1,622,575	2,082,124	1,423,433	1,718,684	2,092,831	2,596,139	3,365,393	33.2%
Oil Thermal	455	2,129	299	155	242	93	278	29,840	5,126	256	837	673	4,356	4,050	0.0%
Geothermal	857,912	861,015	909,815	892,863	845,660	867,308	793,700	822,926	834,439	840,956	731,089	742,980	863,542	841,857	8.3%
Hydro	4,107,289	3,989,013	4,261,525	4,028,352	4,419,049	3,971,927	4,402,084	4,195,934	3,753,987	4,807,945	4,913,491	4,826,851	4,744,638	3,857,878	38.1%
Solar	0	0	0	1,517	1,376	1,309	1,304	1,252	1,254	1,212	1,320	1,414	1,477	1,548	0.0%
Biomass											75,136	46,602	13,897	21,403	0.2%
Total Generation	5,981,738	6,563,721	7,087,140	7,242,659	7,413,949	7,890,283	7,971,756	8,235,278	8,402,769	8,702,648	9,126,871	9,346,731	9,480,592	10,129,866	100.0%
PHILIPPINES by Grid															
Luzon	36,386,885	37,534,630	39,853,911	40,626,730	41,241,457	43,619,911	44,199,534	44,974,855	50,264,725	50,017,259	52,312,426	54,819,517	56,766,481	60,112,863	72.9%
Visayas	6,098,814	8,842,186	9,016,379	8,698,352	8,128,723	8,101,593	8,649,694	8,724,298	9,075,264	10,455,743	11,482,714	11,099,593	11,013,924	12,170,483	14.8%
Mindanao	5,981,738	6,563,721	7,087,140	7,242,659	7,413,949	7,890,283	7,971,756	8,235,278	8,402,769	8,702,648	9,126,871	9,346,731	9,480,592	10,129,866	12.3%
Total Generation	48,467,436	52,940,537	55,957,430	56,567,740	56,784,130	59,611,788	60,820,985	61,934,432	67,742,759	69,175,650	72,922,011	75,265,842	77,260,997	82,413,213	100.0%
PHILIPPINES by Plant Type															
Coal	16,127,886	14,938,748	16,194,412	15,257,178	15,294,066	16,837,096	15,748,794	16,476,136	23,301,105	25,342,176	28,264,867	32,081,007	33,053,518	36,685,685	44.5%
Oil-based	6,293,233	7,170,115	8,504,321	6,141,444	4,664,799	5,148,006	4,868,333	5,380,666	7,101,002	3,397,599	4,254,015	4,490,600	5,707,748	5,886,437	7.1%
Combined Cycle	748,450	438,755	738,437	90,608	238,870	652,834	513,442	638,520	1,202,040	123,556	227,354	247,159	514,980	275,892	0.3%
Diesel	4,560,984	5,509,409	6,253,077	5,716,977	4,152,144	4,161,675	3,660,388	3,771,289	4,531,688	2,762,331	3,332,081	3,805,078	4,730,219	5,520,716	6.7%
Gas Turbine	36,838	41,972	82,277	25,295	193	9,045	36,485	61,972	3,164	0	0	0	0	10,290	0.0%
Oil Thermal	946,961	1,179,979	1,430,529	308,564	273,592	324,452	658,018	908,885	1,364,111	511,712	694,580	438,363	462,550	75,539	0.1%
Natural Gas	8,770,851	13,139,410	12,384,467	16,860,917	16,365,960	18,789,414	19,575,855	19,886,827	19,517,854	20,591,323	19,641,527	18,791,286	18,690,077	18,877,915	22.9%
Geothermal	10,242,493	9,822,444	10,281,550	9,902,443	10,465,279	10,214,688	10,722,780	10,323,847	9,829,152	9,942,330	10,249,990	9,604,598	10,308,113	11,043,694	13.4%
Hydro	7,032,973	7,869,820	8,592,681	8,386,773	9,939,413	8,563,433	9,842,534	9,787,567	7,803,405	9,697,532	10,252,134	10,019,308	9,137,273	8,665,078	10.5%
Wind	0	0	0	17,469	53,235	57,842	61,386	64,428	61,717	88,204	75,339	65,655	152,052	748,414	0.9%
Solar	0	0	0	1,517	1,376	1,309	1,304	1,252	1,254	1,212	1,320	1,414	1,477	1,548	0.0%
Biomass														367,456	0.4%
Total Generation	48,467,436	52,940,537	55,957,430	56,567,740	56,784,130	59,611,788	60,820,985	61,934,432	67,742,759	69,175,650	72,922,011	75,265,842	77,260,997	82,413,213	100.0%

Note:

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