

Department of Energy

2024 POWER STATISTICS

Gross Power/ Generation per Grid, by Plant Type
In MWh

LUZON	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Share - 2024	
Generation per Technology (Grid)																								
Coal	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	33,143,458	33,952,671	37,362,128	40,598,183	40,575,727	43,133,237	48,626,207	53,072,353	57,069,815	63.2%	
Oil-based	3,985,869	4,590,814	2,921,641	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	2,561,831	2,378,192	2,187,694	2,673,944	1,804,176	996,287	1,507,178	1,707,796	602,894	0.7%	
Combined Cycle	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	693,685	405,022	522,115	728,239	494,880	416,603	645,790	99,032	138,612	0.2%	
Diesel	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	1,483,116	1,622,749	1,692,212	1,520,177	1,736,224	1,297,301	550,541	770,247	525,656	446,674	0.5%	
Gas Turbine	1,737	183	1,433	0	0	0	0	0	0	0	0	0	0	10,290	499	0	25,605	10,684	28,084	3,482	-	-	0.0%	
Oil Thermal	638,268	1,164,000	18,626	157,478	191,182	462,051	631,203	1,081,749	276,807	473,844	170,007	306,859	75,489	244,898	281,958	145,402	163,876	1,310	1,059	87,659	83,107	17,608	0.0%	
Natural Gas	13,139,410	12,354,467	16,869,917	16,365,980	18,789,414	19,575,855	19,866,827	19,517,854	20,591,323	19,641,527	18,763,472	18,783,471	18,685,089	18,877,915	19,853,783	20,547,239	21,333,789	22,354,378	19,496,927	19,059,682	17,884,120	16,668,986	18,046,729	20.0%
Renewable Energy (RE)	6,448,239	7,330,296	7,090,897	9,064,924	8,220,653	9,191,708	9,132,372	7,413,115	8,454,125	8,983,077	8,679,476	8,391,821	9,716,650	10,938,477	11,633,318	11,844,758	10,640,206	10,548,880	12,053,335	11,803,032	12,842,224	14,549,538	16.1%	
Geothermal	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	4,226,913	3,909,704	3,646,931	3,808,053	3,837,742	3,921,102	4,285,920	4,657,447	5,027,447	5.2%	
Hydro	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	5,011,100	5,729,567	5,944,913	5,083,913	4,510,267	5,411,540	5,208,614	5,079,868	5,307,787	5.9%	
Biomass	0	0	0	0	0	0	2,752	14,375	43,638	36,839	59,699	65,279	187,188	438,807	598,665	593,968	592,051	779,972	998,186	691,147	684,358	645,430	0.7%	
Solar	0	0	0	0	0	0	0	0	0	0	0	66,427	494,946	495,984	503,131	493,250	588,092	720,891	1,098,518	1,678,282	2,905,248	3,267,147	3.2%	
Wind	0	0	17,469	53,235	57,842	61,386	64,428	61,717	88,204	75,339	65,655	152,052	591,756	766,711	899,307	931,264	824,061	855,466	1,095,177	853,651	1,113,816	1,034,027	1.1%	
Total Grid Generation	37,534,630	39,853,911	40,626,730	41,241,487	43,619,911	44,199,534	44,974,855	50,264,725	50,017,259	52,312,426	54,919,517	66,766,481	60,112,863	66,497,540	68,512,419	72,728,369	76,176,710	72,418,709	75,242,541	79,820,536	83,290,439	90,269,376	100.0%	
BESS																				718	942	37,302	114,226	
Total Offgrid Generation																				1,302,991	1,430,583	1,535,520	1,630,613	

VISAYAS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Share - 2024	
Generation per Technology (Grid)																								
Coal	587,626	646,077	603,903	718,663	848,428	745,686	822,007	1,528,682	4,032,202	4,701,053	4,699,683	4,449,483	4,968,437	5,270,242	6,623,593	6,784,714	7,961,899	7,696,119	8,998,853	8,500,800	10,400,895	8,871,171	53.2%	
Oil-based	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	765,993	672,207	637,405	541,022	352,598	524,266	297,933	467,659	562,561	472,527	518,583	3.2%	
Diesel	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	637,405	541,022	352,598	524,266	297,933	467,659	562,561	472,527	518,583	3.2%	
Gas Turbine	40,236	82,094	23,862	193	9,045	36,485	61,972	3,164	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0.0%	
Oil Thermal	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	0	-	-	-	-	-	-	0.0%	
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	7,615	4,269	0	0	-	-	-	-	-	-	0.0%	
Renewable Energy (RE)	6,393,997	6,372,594	6,294,573	6,128,295	5,776,075	6,239,206	6,038,321	5,820,063	5,740,314	6,047,489	5,956,626	5,794,278	6,529,539	7,047,239	6,889,270	7,129,177	7,573,431	7,490,890	6,801,309	7,159,105	7,289,454	7,009,416	43.5%	
Geothermal	6,360,964	6,338,317	6,267,377	6,100,202	5,746,878	6,199,159	5,994,957	5,771,218	5,615,561	5,930,484	5,463,017	5,627,241	6,105,383	5,974,487	5,963,581	5,737,443	6,277,914	6,205,193	5,535,416	5,813,267	5,740,113	5,408,203	33.6%	
Hydro	33,033	34,277	27,196	28,093	29,197	40,047	42,406	35,899	53,117	46,161	36,936	35,475	38,375	63,532	90,087	72,562	56,850	64,730	89,296	39,063	140,579	162,433	1.0%	
Biomass	0	0	0	0	0	0	10,957	12,896	17,636	70,844	105,673	116,523	158,864	276,053	414,483	439,269	355,646	373,758	349,842	516,945	487,767	514,460	3.2%	
Solar	0	0	0	0	0	0	0	0	0	0	0	0	15,040	70,559	524,658	626,957	658,244	665,422	676,255	652,271	613,612	726,672	719,676	4.5%
Wind	0	0	0	0	0	0	0	0	0	0	0	0	158,658	208,509	194,161	221,660	217,599	170,954	174,485	176,218	194,322	204,645	1.3%	
Total Grid Generation	8,842,186	9,516,379	8,686,352	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	12,170,463	12,954,686	14,053,665	14,266,489	16,593,598	15,454,942	16,367,232	15,222,446	16,162,768	16,099,609	100.0%	
BESS																			13,394	19,934	12,383	9,901		
Total Offgrid Generation																			118,657	104,744	140,894	196,469		

MINDANAO	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Share - 2024
Generation per Technology (Grid)																							
Coal	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	2,637,738	4,889,542	6,271,010	7,785,345	9,420,357	9,904,156	9,920,155	9,302,537	10,280,690	13,718,347	66.7%
Oil-based	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	2,993,594	2,999,495	3,389,442	2,462,172	866,879	632,525	554,092	371,779	448,761	122,322	220,198	220,198	1.1%
Diesel	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	2,092,631	2,595,139	3,365,393	2,462,172	866,879	632,525	554,092	371,779	152,432	448,761	123,322	220,198	1.1%
Oil Thermal	2,129	299	155	242	93	278	29,840	5,126	256	837	673	4,356	4,050	0	0	0	-	-	-	-	-	-	0.0%
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0.0%
Renewable Energy (RE)	4,850,029	5,171,340	4,922,732	5,266,085	4,840,544	5,197,088	5,020,111	4,589,680	5,650,112	5,721,036	5,617,847	5,623,555	4,722,686	3,993,743	4,666,147	4,351,990	3,830,743	3,576,134	4,531,763	5,721,367	6,146,673	6,633,748	32.2%
Geothermal	4,850,029	5,171,340	4,922,732	5,266,085	4,840,544	5,197,088	5,020,111	4,589,680	5,650,112	5,721,036	5,617,847	5,623,555	4,722,686	3,993,743	4,666,147	4,351,990	3,830,743	3,576,134	4,531,763	5,721,367	6,146,673	6,633,748	32.2%
Hydro	3,989,013	4,261,525	4,028,352	4,419,049	3,971,927	4,402,094	4,195,934	3,753,987	4,807,945	4,913,491	4,626,651	4,744,638	3,857,878	3,036,292	3,791,144	3,366,254	2,894,729	2,617,022	3,694,487	4,806,915	5,066,715	5,436,377	26.4%
Biomass	0	0	0	0	0	0	0	0	75,136	46,602	13,897	21,403	11,046	71,598	92,646	107,287	107,287	141,038	236,737	296,377	296,377	296,377	1.4%
Solar	0	0	1,517	1,376	1,309	1,304	1,252	1,254	1,212	1,320	1,414	1,477	1,548	77,412	78,211	87,742	87,409	108,257	96,589	110,266	139,072	185,769	0.9%
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0.0%
Total Grid Generation	6,563,721	7,097,140	7,242,659	7,413,949	7,890,283	7,971,756	8,235,278	8,402,769	8,702,648	9,126,671	9,346,731	9,480,592	10,129,886	11,345,457	11,804,037	12,769,861	13,805,192	13,852,069	14,604,350	15,472,666	16,550,685	20,572,282	100.0%
BESS																							
Total Offgrid Generation																							