



2022 POWER STATISTICS

Gross Power Generation per Grid, by Plant Type
In MWh

PHILIPPINES by Plant Type	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	% Share - 2022	
Generation per Technology (Grid)																						
Coal	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	43,303,242	46,847,274	51,932,187	57,890,429	58,176,002	62,052,246	66,429,544	59.57%	
Oil-based	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	5,661,408	3,787,093	3,172,817	3,752,302	2,473,888	1,616,378	2,518,500	2.26%	
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	0.58%	
Diesel	5,509,409	6,253,077	5,716,977	4,152,144	4,161,675	3,660,388	3,771,289	4,531,888	2,762,331	3,332,081	3,805,078	4,730,219	5,520,716	4,722,326	3,100,113	2,505,300	2,814,582	1,967,013	1,170,632	1,781,569	1.60%	
Gas Turbine	41,972	82,277	25,295	193	9,045	36,485	61,972	3,164	0	0	0	0	10,290	499	0	0	25,605	10,684	28,084	3,482	0.00%	
Oil Thermal	1,179,979	1,430,529	308,564	273,593	324,452	659,018	906,895	1,364,111	511,712	694,580	438,363	462,550	79,539	244,898	281,958	145,402	183,878	1,310	1,059	87,659	0.08%	
Natural Gas	13,139,410	12,394,467	18,860,917	16,365,960	18,789,414	19,875,855	19,886,827	19,517,854	20,591,323	19,641,527	18,791,206	18,690,077	19,877,915	19,853,783	20,847,239	21,333,789	22,254,378	19,496,927	19,059,682	17,884,130	16.04%	
Renewable Energy (RE)	17,692,264	18,874,230	18,308,202	20,459,304	18,837,272	20,628,003	20,190,804	17,822,798	19,844,561	20,761,602	19,902,949	19,809,655	20,963,175	21,979,459	23,188,735	23,325,925	22,044,380	21,608,904	23,386,408	24,683,504	22.13%	
Geothermal	9,822,444	10,281,550	9,902,443	10,465,279	10,214,688	10,722,780	10,323,847	9,929,152	9,942,330	10,249,990	9,604,598	10,308,113	11,043,694	11,070,403	10,270,077	10,435,305	10,690,804	10,756,815	10,016,478	10,424,518	9.35%	
Hydro	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	8,110,915	9,610,799	9,383,758	8,025,492	7,192,019	9,185,324	10,084,592	9.04%	
Biomass	0	0	0	0	0	0	13,710	27,270	115,274	182,819	211,973	195,699	367,456	725,906	1,013,148	1,104,823	1,040,343	1,261,016	1,445,395	1,322,130	1.19%	
Solar	0	0	1,517	1,376	1,309	1,304	1,252	1,294	1,212	1,320	1,414	16,517	138,534	1,097,016	1,201,152	1,249,116	1,246,082	1,372,804	1,469,550	1,822,396	1.63%	
Wind	0	0	17,469	53,235	57,842	61,385	64,428	61,717	89,204	75,339	65,655	152,052	748,414	975,219	1,093,558	1,152,923	1,041,860	1,026,450	1,269,662	1,029,889	0.92%	
Total Grid Generation	82,940,537	85,957,430	86,867,740	86,794,130	89,811,786	80,820,895	81,534,432	87,742,789	89,175,680	72,922,011	75,265,842	77,260,997	82,412,213	90,797,891	94,270,341	96,784,710	106,041,488	101,785,720	106,114,713	111,515,689	100.00%	
BESS																				14,151	20,923	
Total Offgrid Generation																				1,654,491	1,768,966	
Total Grid and Offgrid Generation																				107,769,204	113,284,634	

Notes:

1. Generation data includes grid connected, embedded and off-grid generator.
2. BESS and Offgrid Generation separated from Grid Generation starting 2021
3. Offgrid generation composed of NPC-SPLUC and NPP generation
4. Gross Generation - the total amount of electric energy produced by generating units and measured at the generating terminal

Updated on 19 June 2023 (working file)