



DEPARTMENT OF ENERGY
2022 POWER STATISTICS

Monthly Gross Generation in MWh (Separate Grid / Off-Grid)
For 2022

GRID

LUZON GRID														Total Generation (MWh)	% Share
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Coal	2,922,693	3,650,928	3,834,419	4,082,300	4,390,831	4,649,575	4,533,569	4,344,123	4,086,803	4,267,253	4,121,982	3,741,732	48,626,207	60.9	
Oil-based	157,004	85,274	109,167	96,557	83,610	187,352	109,951	56,677	162,751	156,633	108,193	194,009	1,507,178	1.9	
Combined Cycle	67,272	36,538	46,776	41,372	35,825	80,276	47,111	24,285	69,735	67,114	46,358	83,128	645,790	0.8	
Diesel	80,237	43,579	55,790	49,346	42,729	95,747	56,191	28,965	83,174	80,048	55,292	99,149	770,247	1.0	
Gas Turbine	363	197	252	223	193	433	254	131	376	362	250	448	3,482	0.0	
Oil Thermal	9,132	4,960	6,349	5,616	4,863	10,897	6,395	3,296	9,466	9,110	6,293	11,284	87,659	0.1	
Natural Gas	1,619,511	1,620,221	1,527,286	1,729,200	1,717,221	1,609,504	1,357,426	1,318,488	1,434,773	1,312,608	1,306,155	1,331,726	17,884,120	22.4	
Renewable Energy	1,032,315	966,700	777,848	872,269	859,570	897,553	882,361	1,030,797	1,217,674	1,064,057	1,159,976	1,041,912	11,803,032	14.8	
Geothermal	313,908	302,323	261,167	338,689	336,278	353,584	329,963	340,119	325,560	331,240	346,981	341,291	3,921,102	4.9	
Hydro	429,411	370,697	288,252	267,120	334,839	364,226	399,743	543,140	708,066	517,823	585,097	430,201	5,238,614	6.6	
Biomass	66,721	55,832	49,292	53,121	66,328	67,185	58,153	47,565	42,892	51,370	68,539	64,148	691,147	0.9	
LFG	1,943	1,057	1,350	1,175	1,300	1,359	1,188	1,535	1,473	1,224	1,322	1,266	16,193	0.0	
Rice Husk, Bagasse	64,778	54,775	47,942	51,945	65,027	65,826	56,966	46,030	41,419	50,146	67,217	62,882	674,954	0.8	
Solar	95,821	97,147	105,152	108,326	103,152	100,431	80,374	79,941	90,934	81,973	75,295	79,972	1,098,518	1.4	
Wind	126,454	140,702	73,985	105,014	18,974	12,127	14,127	20,031	50,222	81,652	84,064	126,300	853,651	1.1	
Total Generation	5,731,522	6,323,123	6,248,720	6,780,326	7,051,231	7,343,984	6,883,307	6,750,085	6,902,000	6,800,551	6,696,306	6,309,380	79,820,536	100.0	

VISAYAS GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	418,786	666,312	632,513	734,619	804,909	824,579	682,947	753,256	794,257	697,586	792,268	698,769	8,500,800	52.4
Oil-based	31,204	30,290	30,964	48,117	25,195	58,040	55,227	31,345	62,462	87,916	27,643	74,158	562,561	3.5
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Bunker/Diesel	31,204	30,290	30,964	48,117	25,195	58,040	55,227	31,345	62,462	87,916	27,643	74,158	562,561	3.5
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	561,244	628,247	567,351	582,494	590,432	573,073	579,814	645,977	604,532	595,698	618,795	611,448	7,159,105	44.1
Geothermal	458,446	483,431	439,453	473,398	493,691	503,439	512,599	543,470	488,114	460,990	476,664	479,572	5,813,267	35.8
Hydro	2,289	2,228	2,266	1,262	1,578	2,835	3,637	4,599	4,523	4,755	4,516	4,576	39,063	0.2
Biomass	53,110	70,967	62,648	39,960	16,910	9,402	1,062	29,065	49,467	62,737	63,459	58,159	516,945	3.2
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	53,110	70,967	62,648	39,960	16,910	9,402	1,062	29,065	49,467	62,737	63,459	58,159	516,945	3.2
Solar	23,904	47,177	43,055	50,401	62,317	55,087	51,223	57,988	57,421	58,575	56,660	49,803	613,612	3.8
Wind	23,495	24,445	19,930	17,474	15,936	2,310	11,293	10,856	5,007	8,641	17,495	19,337	176,218	1.1
Total Generation	1,011,234	1,324,849	1,230,828	1,365,231	1,420,536	1,455,692	1,317,988	1,430,578	1,461,251	1,381,200	1,438,705	1,384,374	16,222,466	100.0

MINDANAO GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	750,691	805,378	725,936	789,234	794,308	846,612	752,639	749,742	760,775	755,269	772,178	799,775	9,302,537	60.1
Oil-based	30,485	32,708	28,727	40,091	32,952	36,994	34,822	42,953	51,620	42,218	44,691	30,500	448,761	2.9
<i>Combined Cycle</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
<i>Diesel</i>	30,485	32,708	28,727	40,091	32,952	36,994	34,822	42,953	51,620	42,218	44,691	30,500	448,761	2.9
<i>Gas Turbine</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
<i>Oil Thermal</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	449,545	426,619	414,609	464,064	483,691	482,879	496,096	536,843	537,640	495,132	485,983	448,268	5,721,367	37.0
Geothermal	53,889	50,802	52,165	58,517	57,339	61,611	51,452	64,648	62,155	54,876	60,649	62,045	690,148	4.5
Hydro	378,189	355,510	340,449	387,898	405,186	399,640	430,158	456,290	458,017	420,946	407,264	367,369	4,806,915	31.1
Biomass	9,147	12,526	12,581	8,660	12,570	12,460	6,131	6,615	6,168	8,970	8,519	9,690	114,038	0.7
<i>Biogas</i>	706	613	602	572	551	650	486	580	584	795	948	981	8,067	0.1
<i>Rice Husk, Bagasse</i>	8,442	11,913	11,979	8,088	12,020	11,810	5,645	6,035	5,585	8,175	7,571	8,709	105,971	0.7
Solar	8,320	7,781	9,414	8,988	8,595	9,168	8,355	9,290	11,300	10,340	9,550	9,164	110,266	0.7
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total Generation	1,230,721	1,264,705	1,169,272	1,293,389	1,310,951	1,366,484	1,283,558	1,329,537	1,350,035	1,292,619	1,302,852	1,278,544	15,472,666	100.0

PHILIPPINES														
By Grid	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Luzon	5,731,522	6,323,123	6,248,720	6,780,326	7,051,231	7,343,984	6,883,307	6,750,085	6,902,000	6,800,551	6,696,306	6,309,380	79,820,536	71.6
Visayas	1,011,234	1,324,849	1,230,828	1,365,231	1,420,536	1,455,692	1,317,988	1,430,578	1,461,251	1,381,200	1,438,705	1,384,374	16,222,466	14.5
Mindanao	1,230,721	1,264,705	1,169,272	1,293,389	1,310,951	1,366,484	1,283,558	1,329,537	1,350,035	1,292,619	1,302,852	1,278,544	15,472,666	13.9
Total Generation	7,973,477	8,912,677	8,648,820	9,438,947	9,782,718	10,166,161	9,484,853	9,510,200	9,713,286	9,474,370	9,437,863	8,972,297	111,515,669	100.0

PHILIPPINES														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	4,092,170	5,122,617	5,192,867	5,606,154	5,990,048	6,320,765	5,969,156	5,847,120	5,641,835	5,720,108	5,686,429	5,240,276	66,429,544	59.6
Oil-based	218,692	148,272	168,859	184,765	141,757	282,386	199,999	130,976	276,833	286,767	180,526	298,667	2,518,500	2.3
Combined Cycle	67,272	36,538	46,776	41,372	35,825	80,276	47,111	24,285	69,735	67,114	46,358	83,128	645,790	0.6
Diesel	141,926	106,577	115,482	137,554	100,876	190,781	146,239	103,263	197,257	210,182	127,626	203,807	1,781,569	1.6
Gas Turbine	363	197	252	223	193	433	254	131	376	362	250	448	3,482	0.0
Oil Thermal	9,132	4,960	6,349	5,616	4,863	10,897	6,395	3,296	9,466	9,110	6,293	11,284	87,659	0.1
Natural Gas	1,619,511	1,620,221	1,527,286	1,729,200	1,717,221	1,609,504	1,357,426	1,318,488	1,434,773	1,312,608	1,306,155	1,331,726	17,884,120	16.0
Renewable Energy	2,043,104	2,021,566	1,759,808	1,918,828	1,933,693	1,953,506	1,958,272	2,213,617	2,359,846	2,154,886	2,264,753	2,101,627	24,683,504	22.1
Geothermal	826,242	836,556	752,785	870,604	887,307	918,633	894,014	948,238	875,829	847,106	884,294	882,908	10,424,518	9.3
Hydro	809,888	728,434	630,966	656,280	741,604	766,702	833,538	1,004,028	1,170,606	943,523	996,877	802,146	10,084,592	9.0
Biomass	128,979	139,324	124,521	101,741	95,808	89,048	65,346	83,245	98,527	123,077	140,517	131,997	1,322,130	1.2
LFG	1,943	1,057	1,350	1,175	1,300	1,359	1,188	1,535	1,473	1,224	1,322	1,266	16,193	0.0
Biogas	706	613	602	572	551	650	486	580	584	795	948	981	8,067	0.0
Rice Husk, Bagasse	126,330	137,654	122,569	99,994	93,957	87,039	63,672	81,130	96,470	121,058	138,247	129,750	1,297,870	1.2
Solar	128,405	152,105	157,621	167,715	174,065	164,686	139,953	147,219	159,656	150,888	141,505	138,939	1,822,396	1.6
Wind	149,949	165,146	93,915	122,487	34,909	14,437	25,420	30,887	55,228	90,293	101,559	145,637	1,029,869	0.9
Total Generation	7,973,477	8,912,677	8,648,820	9,438,947	9,782,718	10,166,161	9,484,853	9,510,200	9,713,286	9,474,370	9,437,863	8,972,297	111,515,669	100.0



DEPARTMENT OF ENERGY
2022 POWER STATISTICS

Monthly Gross Generation in MWh (Separate Grid / Off-Grid)
For 2022

OFF-GRID

LUZON OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	0	0	5,537	8,865	9,857	9,909	9,805	9,103	9,357	9,386	9,191	8,484	89,492	6.3
Oil-based	90,151	93,604	88,887	101,828	109,529	115,373	95,885	100,449	98,070	94,220	87,463	87,810	1,163,268	81.3
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diesel	90,151	93,604	88,887	101,828	109,529	115,373	95,885	100,449	98,070	94,220	87,463	87,810	1,163,268	81.3
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	16,328	19,031	17,256	16,075	10,923	8,792	12,201	11,826	13,628	14,667	19,297	17,799	177,823	12.4
Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Hydro	11,741	14,705	13,673	12,328	7,986	7,256	10,658	10,363	11,577	11,716	14,690	13,011	139,704	9.8
Biomass	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Solar	829	808	841	800	1,071	1,012	1,008	1,062	1,142	1,051	879	857	11,359	0.8
Wind	3,758	3,517	2,742	2,947	1,866	524	535	401	909	1,900	3,729	3,932	26,760	1.9
Total Generation	106,479	112,635	111,679	126,768	130,308	134,074	117,891	121,378	121,055	118,272	115,951	114,093	1,430,583	100.0

VISAYAS OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil-based	10,428	10,359	11,129	11,995	7,811	7,934	7,431	7,576	7,906	7,406	7,473	7,297	104,744	100.0
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Bunker/Diesel	10,428	10,359	11,129	11,995	7,811	7,934	7,431	7,576	7,906	7,406	7,473	7,297	104,744	100.0
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Biomass	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total Generation	10,428	10,359	11,129	11,995	7,811	7,934	7,431	7,576	7,906	7,406	7,473	7,297	104,744	100.0

MINDANAO OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil-based	17,776	18,885	17,763	20,426	20,317	20,110	19,274	19,641	20,332	19,150	19,522	19,188	232,384	99.5
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diesel	17,776	18,885	17,763	20,426	20,317	20,110	19,274	19,641	20,332	19,150	19,522	19,188	232,384	99.5
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	100	55	40	76	122	111	113	53	100	155	172	158	1,254	0.5
Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Hydro	100	55	40	76	122	111	113	53	100	155	172	158	1,254	0.5
Biomass	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total Generation	17,875	18,941	17,803	20,502	20,439	20,221	19,387	19,693	20,432	19,305	19,694	19,347	233,639	100.0

PHILIPPINES OFF-GRID														
By Grid	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Luzon	106,479	112,635	111,679	126,768	130,308	134,074	117,891	121,378	121,055	118,272	115,951	114,093	1,430,583	80.9
Visayas	10,428	10,359	11,129	11,995	7,811	7,934	7,431	7,576	7,906	7,406	7,473	7,297	104,744	5.9
Mindanao	17,875	18,941	17,803	20,502	20,439	20,221	19,387	19,693	20,432	19,305	19,694	19,347	233,639	13.2
Total Generation	134,782	141,934	140,611	159,264	158,558	162,229	144,709	148,648	149,393	144,983	143,118	140,736	1,768,966	100.0

PHILIPPINES OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	0	0	5,537	8,865	9,857	9,909	9,805	9,103	9,357	9,386	9,191	8,484	89,492	5.1
Oil-based	118,355	122,848	117,779	134,248	137,657	143,417	122,590	127,666	126,308	120,776	114,458	114,295	1,500,396	84.8
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diesel	118,355	122,848	117,779	134,248	137,657	143,417	122,590	127,666	126,308	120,776	114,458	114,295	1,500,396	84.8
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Natural Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Renewable Energy	16,428	19,086	17,296	16,151	11,044	8,903	12,314	11,879	13,728	14,821	19,468	17,957	179,077	10.1
Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Hydro	11,841	14,761	13,713	12,405	8,107	7,368	10,771	10,416	11,677	11,871	14,861	13,169	140,958	8.0
Biomass	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Solar	829	808	841	800	1,071	1,012	1,008	1,062	1,142	1,051	879	857	11,359	0.6
Wind	3,758	3,517	2,742	2,947	1,866	524	535	401	909	1,900	3,729	3,932	26,760	1.5
Total Generation	134,782	141,934	140,611	159,264	158,558	162,229	144,709	148,648	149,393	144,983	143,118	140,736	1,768,966	100.0

Note:
Generation data includes grid connected, embedded and off-grid generator.
BESS generation not included
Source: Generating Facilities' submitted Monthly Operation Report (MOR)
updated as of TBD