



DEPARTMENT OF ENERGY
2023 POWER STATISTICS

Monthly Gross Generation in MWh (Grid + Off-Grid)
For 2023

LUZON GRID + OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	3,638,451	4,167,388	4,111,972	4,860,889	5,136,851	5,023,315	4,649,666	4,358,350	4,394,656	4,274,687	4,388,487	4,208,193	53,212,904	62.7
Oil-based	110,318	124,861	143,733	219,428	290,757	197,384	171,981	160,679	114,811	173,792	102,290	98,228	1,908,262	2.2
Combined Cycle	17,841	18,381	27,641	14,179	7,052	2,694	1,769	1,180	2,919	4,656	720	0	99,032	0.1
Diesel	92,477	106,480	116,092	192,516	237,155	191,756	166,857	159,499	111,892	151,602	101,570	98,228	1,726,123	2.0
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	12,733	46,550	2,934	3,355	0	0	17,534	0	0	83,107	0.1
Natural Gas	1,139,012	1,148,639	905,897	1,220,045	1,387,436	1,492,103	1,411,141	1,602,812	1,646,500	1,566,121	1,596,642	1,551,717	16,668,066	19.6
Renewable Energy	1,121,343	1,056,017	939,688	965,992	912,436	1,016,639	1,024,955	1,380,383	1,293,033	1,123,263	1,149,048	1,053,929	13,036,727	15.4
Geothermal	359,812	350,538	305,125	361,153	362,347	380,541	363,001	365,286	361,074	359,229	363,819	353,997	4,285,920	5.1
Hydro	450,290	398,455	325,318	279,193	263,209	362,415	440,649	765,493	718,324	506,426	382,369	325,798	5,217,940	6.2
Biomass	53,823	40,053	45,175	75,196	70,358	66,364	61,582	44,268	39,446	53,993	68,808	65,292	684,358	0.8
LFG	1,610	1,591	1,473	1,617	1,468	1,202	1,364	1,590	1,454	1,392	1,404	1,406	17,571	0.0
Rice Husk, Bagasse	52,213	38,462	43,702	73,579	68,890	65,162	60,218	42,678	37,992	52,601	67,404	63,886	666,788	0.8
Solar	101,122	142,190	148,658	162,188	160,462	152,950	138,504	131,575	121,382	131,226	159,561	141,980	1,691,799	2.0
Wind	156,296	124,780	115,412	88,262	56,060	54,370	21,219	73,761	52,807	72,389	174,490	166,863	1,156,710	1.4
Total Generation	6,009,124	6,496,905	6,101,290	7,266,354	7,727,481	7,729,442	7,257,743	7,502,224	7,449,000	7,137,863	7,236,466	6,912,067	84,825,959	100.0

VISAYAS GRID + OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	711,650	791,947	792,433	840,872	849,283	872,758	953,217	893,123	894,061	990,428	946,109	864,923	10,400,805	56.8
Oil-based	34,310	43,141	40,396	59,045	86,454	55,040	43,362	45,107	63,119	52,780	40,636	50,033	613,421	3.4
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Bunker/Diesel	34,310	43,141	40,396	59,045	86,454	55,040	43,362	45,107	63,119	52,780	40,636	50,033	613,421	3.4
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	620,697	636,710	596,734	634,686	585,381	590,351	546,259	583,110	614,053	608,242	611,228	662,002	7,289,454	39.8
Geothermal	498,294	492,244	442,162	501,989	492,764	515,088	469,069	489,568	480,057	451,463	439,447	467,968	5,740,113	31.4
Hydro	6,305	6,886	11,421	9,570	8,539	6,535	11,552	11,098	12,974	13,606	20,727	21,366	140,579	0.8
Biomass	45,610	54,807	53,099	33,679	10,808	971	0	68	42,776	72,312	78,261	95,376	487,767	2.7
LFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Rice Husk, Bagasse	45,610	54,807	53,099	33,679	10,808	971	0	68	42,776	72,312	78,261	95,376	487,767	2.7
Solar	41,623	55,045	62,036	75,378	66,091	59,512	54,725	66,174	67,625	65,032	57,787	55,646	726,672	4.0
Wind	28,864	27,728	28,016	14,069	7,179	8,245	10,913	16,202	10,622	5,830	15,007	21,647	194,322	1.1
Total Generation	1,366,656	1,471,798	1,429,563	1,534,603	1,521,118	1,518,149	1,542,839	1,521,339	1,571,233	1,651,450	1,597,972	1,576,958	18,303,679	100.0



DEPARTMENT OF ENERGY
2023 POWER STATISTICS

Monthly Gross Generation in MWh (Grid + Off-Grid)

For 2023

MINDANAO GRID + OFF-GRID														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	825,481	858,458	808,339	875,240	950,509	919,153	839,337	870,181	818,326	836,767	841,419	837,481	10,280,690	61.2
Oil-based	24,231	26,785	29,911	37,718	44,005	38,597	26,535	30,652	32,903	31,624	28,981	28,247	380,190	2.3
Combined Cycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diesel	24,231	26,785	29,911	37,718	44,005	38,597	26,535	30,652	32,903	31,624	28,981	28,247	380,190	2.3
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	498,323	467,633	425,716	475,476	441,039	508,304	527,857	543,356	552,327	580,873	608,107	519,369	6,148,379	36.6
Geothermal	62,436	56,576	57,125	62,099	62,584	63,642	56,094	59,710	61,354	58,826	61,868	41,836	704,150	4.2
Hydro	409,284	375,495	333,472	377,538	350,719	416,740	449,090	462,243	462,952	485,816	511,242	433,830	5,068,421	30.2
Biomass	18,121	25,527	24,564	24,384	17,483	17,550	13,652	12,110	20,259	17,143	18,521	27,424	236,737	1.4
Biogas	934	986	985	934	916	856	817	880	754	796	887	1,356	11,101	0.1
Rice Husk, Bagasse	17,187	24,541	23,579	23,450	16,567	16,694	12,835	11,230	19,504	16,347	17,634	26,067	225,637	1.3
Solar	8,483	10,035	10,555	11,455	10,253	10,372	9,020	9,293	7,763	19,088	16,476	16,280	139,072	0.8
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total Generation	1,348,035	1,352,875	1,263,966	1,388,434	1,435,553	1,466,054	1,393,729	1,444,189	1,403,556	1,449,264	1,478,507	1,385,097	16,809,259	100.0

PHILIPPINES														
By Grid	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Luzon	6,009,124	6,496,905	6,101,290	7,266,354	7,727,481	7,729,442	7,257,743	7,502,224	7,449,000	7,137,863	7,236,466	6,912,067	84,825,959	70.7
Visayas	1,366,656	1,471,798	1,429,563	1,534,603	1,521,118	1,518,149	1,542,839	1,521,339	1,571,233	1,651,450	1,597,972	1,576,958	18,303,679	15.3
Mindanao	1,348,035	1,352,875	1,263,966	1,388,434	1,435,553	1,466,054	1,393,729	1,444,189	1,403,556	1,449,264	1,478,507	1,385,097	16,809,259	14.0
Total Generation	8,723,815	9,321,578	8,794,819	10,189,391	10,684,152	10,713,645	10,194,311	10,467,752	10,423,790	10,238,578	10,312,945	9,874,123	119,938,897	100.0



DEPARTMENT OF ENERGY
2023 POWER STATISTICS

Monthly Gross Generation in MWh (Grid + Off-Grid)

For 2023

PHILIPPINES														
Plant Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Generation (MWh)	% Share
Coal	5,175,582	5,817,793	5,712,744	6,577,001	6,936,643	6,815,226	6,442,220	6,121,653	6,107,043	6,101,883	6,176,014	5,910,597	73,894,399	61.6
Oil-based	168,859	194,786	214,040	316,191	421,216	291,021	241,878	236,438	210,833	258,196	171,906	176,508	2,901,872	2.4
Combined Cycle	17,841	18,381	27,641	14,179	7,052	2,694	1,769	1,180	2,919	4,656	720	0	99,032	0.1
Diesel	151,018	176,405	186,399	289,279	367,614	285,393	236,754	235,258	207,914	236,005	171,186	176,508	2,719,733	2.3
Gas Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oil Thermal	0	0	0	12,733	46,550	2,934	3,355	0	0	17,534	0	0	83,107	0.1
Natural Gas	1,139,012	1,148,639	905,897	1,220,045	1,387,436	1,492,103	1,411,141	1,602,812	1,646,500	1,566,121	1,596,642	1,551,717	16,668,066	13.9
Renewable Energy	2,240,362	2,160,359	1,962,138	2,076,154	1,938,856	2,115,295	2,099,071	2,506,849	2,459,414	2,312,378	2,368,383	2,235,301	26,474,560	22.1
Geothermal	920,542	899,358	804,411	925,240	917,695	959,271	888,165	914,564	902,485	869,518	865,133	863,802	10,730,183	8.9
Hydro	865,879	780,836	670,211	666,302	622,468	785,690	901,291	1,238,834	1,194,250	1,005,848	914,338	780,994	10,426,940	8.7
Biomass	117,554	120,387	122,838	133,259	98,649	84,885	75,234	56,446	102,480	143,448	165,590	188,091	1,408,863	1.2
LFG	1,610	1,591	1,473	1,617	1,468	1,202	1,364	1,590	1,454	1,392	1,404	1,406	17,571	0.0
Biogas	934	986	985	934	916	856	817	880	754	796	887	1,356	11,101	0.0
Rice Husk, Bagasse	115,010	117,809	120,381	130,709	96,266	82,827	73,054	53,976	100,272	141,259	163,299	185,329	1,380,191	1.2
Solar	151,228	207,270	221,249	249,021	236,805	222,834	202,249	207,042	196,770	215,346	233,824	213,905	2,557,542	2.1
Wind	185,160	152,508	143,428	102,331	63,239	62,615	32,132	89,963	63,429	78,219	189,497	188,509	1,351,032	1.1
Total Generation	8,723,815	9,321,578	8,794,819	10,189,391	10,684,152	10,713,645	10,194,311	10,467,752	10,423,790	10,238,578	10,312,945	9,874,123	119,938,897	100.0

Note:

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

Source: Generating Facilities' submitted Monthly Operation Report (MOR)

updated as of 19 July 2024