



DEPARTMENT OF ENERGY  
**LIST OF EXISTING POWER PLANTS (GRID & OFF-GRID CONNECTED)**  
**AS OF NOVEMBER 2022**

**CAPACITY MIX, MW**  
**Installed and Dependable Capacity**

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,774	8,206	43.3	48.8
Oil Based	2,812	1,944	13.9	11.6
<i>Diesel</i>	1,414	1,099	7.0	6.5
<i>Oil Thermal</i>	650	305	3.2	1.8
<i>Gas Turbine</i>	748	540	3.7	3.2
Natural Gas	3,731	2,172	18.4	12.9
Renewable Energy	4,960	4,479	24.5	26.7
<i>Geothermal</i>	865	769	4.3	4.6
<i>Hydro</i>	2,571	2,443	12.7	14.5
<i>Biomass</i>	206	141	1.0	0.8
<i>Solar</i>	966	774	4.8	4.6
<i>Wind</i>	353	353	1.7	2.1
<b>TOTAL</b>	<b>20,276</b>	<b>16,800</b>	<b>100.0</b>	<b>100.0</b>
<b>Energy Storage System (ESS)</b>	71	71		
Battery ESS	71	71		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,414	1,330	34.4	37.8
Oil Based	789	602	19.2	17.1
<i>Diesel</i>	734	602	17.9	17.1
<i>Gas Turbine</i>	55	0	1.3	0.0
Natural Gas	1	0	0.0	0.0
Renewable Energy	1,906	1,583	46.4	45.0
<i>Geothermal</i>	955	881	23.2	25.1
<i>Hydro</i>	37	37	0.9	1.0
<i>Biomass</i>	318	171	7.7	4.9
<i>Solar</i>	505	404	12.3	11.5
<i>Wind</i>	90	90	2.2	2.6
<b>TOTAL</b>	<b>4,110</b>	<b>3,515</b>	<b>100.0</b>	<b>100.0</b>
<b>Energy Storage System (ESS)</b>	22	22		
Battery ESS	22	22		

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	2,264	2,041	49.3	50.4
Oil Based	892	798	19.4	19.7
<i>Diesel</i>	892	798	19.4	19.7
Natural Gas	0	0	0.0	0.0
Renewable Energy	1,439	1,209	31.3	29.9
<i>Geothermal</i>	112	107	2.4	2.6
<i>Hydro</i>	1,165	1,007	25.3	24.9
<i>Biomass</i>	79	29	1.7	0.7
<i>Solar</i>	84	67	1.8	1.7
<i>Wind</i>	0	0	0.0	0.0
<b>TOTAL</b>	<b>4,596</b>	<b>4,048</b>	<b>100.0</b>	<b>100.0</b>
<b>Energy Storage System (ESS)</b>	49	49		
Hybrid (Diesel-Battery System)	49	49		



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**LIST OF EXISTING POWER PLANTS (GRID & OFF-GRID CONNECTED)****AS OF NOVEMBER 2022****CAPACITY MIX, MW**  
Installed and Dependable Capacity

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	12,452	11,577	43.0	47.5
Oil Based	4,493	3,343	15.5	13.7
<i>Diesel</i>	3,040	2,498	10.5	10.3
<i>Oil Thermal</i>	650	305	2.2	1.3
<i>Gas Turbine</i>	803	540	2.8	2.2
Natural Gas	3,732	2,172	12.9	8.9
Renewable Energy	8,305	7,272	28.7	29.8
<i>Geothermal</i>	1,932	1,757	6.7	7.2
<i>Hydro</i>	3,772	3,486	13.0	14.3
<i>Biomass</i>	603	341	2.1	1.4
<i>Solar</i>	1,555	1,245	5.4	5.1
<i>Wind</i>	443	443	1.5	1.8
<b>TOTAL</b>	<b>28,982</b>	<b>24,364</b>	<b>100.0</b>	<b>100.0</b>
<b>Energy Storage System (ESS)</b>	143	143		
Battery ESS	94	94		
Hybrid (Diesel-Battery System)	49	49		

**Note:***Released as of 30 November 2022**Installed Capacity - nameplate capacity; full-load continuous gross capacity of a unit under specified conditions, as calculated from the electric generator nameplate based on the rated power factor.**Dependable Capacity - maximum capacity when modified for ambient limitations for a specified period of time, such as a month or a season.*

GRID	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
LUZON	20,276	16,800	70.0%	69.0%
VISAYAS	4,110	3,515	14.2%	14.4%
MINDANAO	4,596	4,048	15.9%	16.6%
<b>TOTAL</b>	<b>28,982</b>	<b>24,364</b>	<b>100.0%</b>	<b>100.0%</b>