



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

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

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,774	8,206	43.4	49.3
Oil Based	2,812	1,824	13.9	11.0
<i>Diesel</i>	1,414	1,099	7.0	6.6
<i>Oil Thermal</i>	650	185	3.2	1.1
<i>Gas Turbine</i>	748	540	3.7	3.2
Natural Gas	3,731	2,172	18.4	13.0
Renewable Energy	4,923	4,448	24.3	26.7
<i>Geothermal</i>	865	769	4.3	4.6
<i>Hydro</i>	2,567	2,440	12.7	14.7
<i>Biomass</i>	206	141	1.0	0.8
<i>Solar</i>	932	746	4.6	4.5
<i>Wind</i>	353	353	1.7	2.1
<b>TOTAL</b>	<b>20,239</b>	<b>16,650</b>	<b>100.0</b>	<b>100.0</b>
BESS	71	71		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,414	1,330	34.6	38.0
Oil Based	789	602	19.3	17.2
<i>Diesel</i>	734	602	17.9	17.2
<i>Gas Turbine</i>	55	0	1.3	0.0
Natural Gas	1	0	0.0	0.0
Renewable Energy	1,890	1,567	46.2	44.8
<i>Geothermal</i>	955	881	23.3	25.2
<i>Hydro</i>	21	21	0.5	0.6
<i>Biomass</i>	318	171	7.8	4.9
<i>Solar</i>	505	404	12.3	11.6
<i>Wind</i>	90	90	2.2	2.6
<b>TOTAL</b>	<b>4,094</b>	<b>3,499</b>	<b>100.0</b>	<b>100.0</b>
BESS	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>
BESS	0	0		

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	12,452	11,577	43.0	47.8
Oil Based	4,493	3,223	15.5	13.3
<i>Diesel</i>	3,040	2,498	10.5	10.3
<i>Oil Thermal</i>	650	185	2.2	0.8
<i>Gas Turbine</i>	803	540	2.8	2.2
Natural Gas	3,732	2,172	12.9	9.0
Renewable Energy	8,252	7,225	28.5	29.9
<i>Geothermal</i>	1,932	1,757	6.7	7.3
<i>Hydro</i>	3,753	3,467	13.0	14.3
<i>Biomass</i>	603	341	2.1	1.4
<i>Solar</i>	1,521	1,217	5.3	5.0
<i>Wind</i>	443	443	1.5	1.8
<b>TOTAL</b>	<b>28,928</b>	<b>24,197</b>	<b>100.0</b>	<b>100.0</b>
BESS	94	94		

**Note:**

Released as of 31 October 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	20,239	16,650	70.0%	68.8%
VISAYAS	4,094	3,499	14.2%	14.5%
MINDANAO	4,596	4,048	15.9%	16.7%
<b>TOTAL</b>	<b>28,928</b>	<b>24,197</b>	<b>100.0%</b>	<b>100.0%</b>