



DEPARTMENT OF ENERGY  
**LIST OF EXISTING POWER PLANTS (GRID-CONNECTED)**  
 AS OF JULY 2022

CAPACITY MIX, MW  
 Installed and Dependable Capacity

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,005	7,519	43.0	48.6
<b>Oil Based</b>	<b>2,379</b>	<b>1,497</b>	<b>12.8</b>	<b>9.7</b>
Diesel	981	772	5.3	5.0
Oil Thermal	650	185	3.5	1.2
Gas Turbine	748	540	4.0	3.5
<b>Natural Gas</b>	<b>3,452</b>	<b>2,086</b>	<b>18.5</b>	<b>13.5</b>
<b>Renewable Energy</b>	<b>4,799</b>	<b>4,378</b>	<b>25.8</b>	<b>28.3</b>
Geothermal	865	769	4.6	5.0
Hydro	2,569	2,475	13.8	16.0
Biomass	207	143	1.1	0.9
Solar	822	655	4.4	4.2
Wind	337	337	1.8	2.2
<b>TOTAL</b>	<b>18,636</b>	<b>15,480</b>	<b>100.0</b>	<b>100.0</b>
Energy Storage System (ESS)	70	70		
Battery ESS	70	70		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,399.45	1,349	35.2	38.8
<b>Oil Based</b>	<b>742.90</b>	<b>567</b>	<b>18.7</b>	<b>16.3</b>
Diesel	687.90	567	17.3	16.3
Gas Turbine	55.00	0	1.4	0.0
<b>Natural Gas</b>	<b>1.04</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Renewable Energy</b>	<b>1,827.04</b>	<b>1,566</b>	<b>46.0</b>	<b>45.0</b>
Geothermal	955.06	881	24.1	25.3
Hydro	20.63	20	0.5	0.6
Biomass	285.56	194	7.2	5.6
Solar	475.79	381	12.0	10.9
Wind	90.00	90	2.3	2.6
<b>TOTAL</b>	<b>3,970</b>	<b>3,482</b>	<b>100.0</b>	<b>100.0</b>
Energy Storage System (ESS)	22	22		
Battery ESS	22	22		

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	2,264	2,041	50.1	51.2
<b>Oil Based</b>	<b>811</b>	<b>734</b>	<b>18.0</b>	<b>18.4</b>
Diesel	811	734	18.0	18.4
<b>Natural Gas</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Renewable Energy</b>	<b>1,439</b>	<b>1,209</b>	<b>31.9</b>	<b>30.4</b>
Geothermal	112	107	2.5	2.7
Hydro	1,165	1,007	25.8	25.3
Biomass	79	29	1.7	0.7
Solar	84	67	1.9	1.7
Wind	0	0	0.0	0.0
<b>TOTAL</b>	<b>4,515</b>	<b>3,985</b>	<b>100.0</b>	<b>100.0</b>
Energy Storage System (ESS)	0	0		
Battery ESS	0	0		

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	11,689	10,909	43.0	47.5
Oil Based	3,933	2,798	14.5	12.2
Natural Gas	3,453	2,086	12.7	9.1
<b>Renewable Energy</b>	<b>8,066</b>	<b>7,153</b>	<b>29.7</b>	<b>31.2</b>
Geothermal	1,932	1,757	7.1	7.7
Hydro	3,754	3,502	13.8	15.3
Biomass	571	366	2.1	1.6
Solar	1,381	1,102	5.1	4.8
Wind	427	427	1.6	1.9
<b>TOTAL</b>	<b>27,121</b>	<b>22,946</b>	<b>100.0</b>	<b>100.0</b>
Energy Storage System (ESS)	93	93		
Battery ESS	93	93		

**Note:**

Excluding off-grid generators  
 Released as of 31 July 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	18,636	15,480	68.7	67.5
VISAYAS	3,970	3,482	14.6	15.2
MINDANAO	4,515	3,985	16.6	17.4
<b>TOTAL</b>	<b>27,121</b>	<b>22,946</b>	<b>100.0</b>	<b>100.0</b>