



DEPARTMENT OF ENERGY

LIST OF EXISTING POWER PLANTS (GRID & OFF-GRID CONNECTED)

AS OF JUNE 2022

CAPACITY MIX, MW
Installed and Dependable Capacity

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,020	7,536	41.9	44.1
Oil Based	2,822	1,876	14.7	11.0
<i>Diesel</i>	1,424	1,151	7.4	6.7
<i>Oil Thermal</i>	650	185	3.4	1.1
<i>Gas Turbine</i>	748	540	3.9	3.2
Natural Gas	3,452	3,286	18.0	19.2
Renewable Energy	4,845	4,406	25.3	25.8
<i>Geothermal</i>	865	769	4.5	4.5
<i>Hydro</i>	2,595	2,500	13.6	14.6
<i>Biomass</i>	207	143	1.1	0.8
<i>Solar</i>	825	641	4.3	3.8
<i>Wind</i>	353	353	1.8	2.1
TOTAL	19,139	17,104	100.0	100.0
BESS	11	11		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,399	1,349	35.5	39.1
Oil Based	789	602	20.0	17.4
<i>Diesel</i>	734	602	18.6	17.4
<i>Gas Turbine</i>	55	0	1.4	0.0
Natural Gas	1	0	0.0	0.0
Renewable Energy	1,757	1,503	44.5	43.5
<i>Geothermal</i>	955	881	24.2	25.5
<i>Hydro</i>	21	20	0.5	0.6
<i>Biomass</i>	216	131	5.5	3.8
<i>Solar</i>	476	381	12.1	11.0
<i>Wind</i>	90	90	2.3	2.6
TOTAL	3,946	3,454	100.0	100.0
BESS	22	22		



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

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
TOTAL	4,596	4,048	100.0	100.0
BEES	0	0		

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	11,684	10,927	42.2	44.4
Oil Based	4,503	3,275	16.3	13.3
<i>Diesel</i>	3,050	2,550	11.0	10.4
<i>Oil Thermal</i>	650	185	2.3	0.8
<i>Gas Turbine</i>	803	540	2.9	2.2
Natural Gas	3,453	3,286	12.5	13.4
Renewable Energy	8,041	7,118	29.0	28.9
<i>Geothermal</i>	1,932	1,757	7.0	7.1
<i>Hydro</i>	3,781	3,527	13.7	14.3
<i>Biomass</i>	501	303	1.8	1.2
<i>Solar</i>	1,385	1,089	5.0	4.4
<i>Wind</i>	443	443	1.6	1.8
TOTAL	27,681	24,606	100.0	100.0
BEES	34	34		

Note:

Released as of 30 June 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	19,139	17,104	69.1%	69.5%
VISAYAS	3,946	3,454	14.3%	14.0%
MINDANAO	4,596	4,048	16.6%	16.5%
TOTAL	27,681	24,606	100.0%	100.0%