



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

CAPACITY MIX, MW
 Installed and Dependable Capacity

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,049	7,538	41.2	47.2
Oil Based	2,812	1,824	14.4	11.4
<i>Diesel</i>	1,414	1,099	7.2	6.9
<i>Oil Thermal</i>	650	185	3.3	1.2
<i>Gas Turbine</i>	748	540	3.8	3.4
Natural Gas	3,731	2,172	19.1	13.6
Renewable Energy	4,923	4,448	25.2	27.8
<i>Geothermal</i>	865	769	4.4	4.8
<i>Hydro</i>	2,567	2,440	13.2	15.3
<i>Biomass</i>	206	141	1.1	0.9
<i>Solar</i>	932	746	4.8	4.7
<i>Wind</i>	353	353	1.8	2.2
TOTAL	19,514	15,982	100.0	100.0
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
TOTAL	4,094	3,499	100.0	100.0
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
TOTAL	4,596	4,048	100.0	100.0
BESS	0	0		

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	11,727	10,909	41.6	46.4
Oil Based	4,493	3,223	15.9	13.7
<i>Diesel</i>	3,040	2,498	10.8	10.6
<i>Oil Thermal</i>	650	185	2.3	0.8
<i>Gas Turbine</i>	803	540	2.8	2.3
Natural Gas	3,732	2,172	13.2	9.2
Renewable Energy	8,252	7,225	29.3	30.7
<i>Geothermal</i>	1,932	1,757	6.8	7.5
<i>Hydro</i>	3,753	3,467	13.3	14.7
<i>Biomass</i>	603	341	2.1	1.4
<i>Solar</i>	1,521	1,217	5.4	5.2
<i>Wind</i>	443	443	1.6	1.9
TOTAL	28,203	23,529	100.0	100.0
BESS	94	94		

Note:

Released as of 30 September 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	19,514	15,982	69.2%	67.9%
VISAYAS	4,094	3,499	14.5%	14.9%
MINDANAO	4,596	4,048	16.3%	17.2%
TOTAL	28,203	23,529	100.0%	100.0%