



DEPARTMENT OF ENERGY
LIST OF EXISTING POWER PLANTS (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	8,005	7,523	43.0	45.0
Oil Based	2,379	1,543	12.8	9.2
Diesel	981	818	5.3	4.9
Oil Thermal	650	185	3.5	1.1
Gas Turbine	748	540	4.0	3.2
Natural Gas	3,452	3,286	18.5	19.7
Renewable Energy	4,793	4,356	25.7	26.1
Geothermal	865	769	4.6	4.6
Hydro	2,567	2,473	13.8	14.8
Biomass	207	143	1.1	0.9
Solar	818	634	4.4	3.8
Wind	337	337	1.8	2.0
TOTAL	18,629	16,708	100.0	100.0
BESS	10	10		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,399.45	1,349	35.9	39.5
Oil Based	742.90	567	19.0	16.6
Diesel	687.90	567	17.6	16.6
Gas Turbine	55.00	0	1.4	0.0
Natural Gas	1.04	0	0.0	0.0
Renewable Energy	1,757.04	1,503	45.0	44.0
Geothermal	955.06	881	24.5	25.8
Hydro	20.63	20	0.5	0.6
Biomass	215.56	131	5.5	3.8
Solar	475.79	381	12.2	11.1
Wind	90.00	90	2.3	2.6
TOTAL	3,900	3,419	100.0	100.0
BESS	22	22		

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	2,264	2,041	50.1	51.2
Oil Based	811	734	18.0	18.4
Diesel	811	734	18.0	18.4
Natural Gas	0	0	0.0	0.0
Renewable Energy	1,439	1,209	31.9	30.4
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
TOTAL	4,515	3,985	100.0	100.0
BESS	0	0		

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	11,669	10,913	43.1	45.3
Oil Based	3,933	2,844	14.5	11.8
Natural Gas	3,453	3,286	12.8	13.6
Renewable Energy	7,989	7,068	29.5	29.3
Geothermal	1,932	1,757	7.1	7.3
Hydro	3,752	3,500	13.9	14.5
Biomass	501	303	1.9	1.3
Solar	1,377	1,082	5.1	4.5
Wind	427	427	1.6	1.8
TOTAL	27,044	24,112	100.0	100.0
BESS	32	32		

Note:

Excluding off-grid generators

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	18,629	16,708	68.9	69.3
VISAYAS	3,900	3,419	14.4	14.2
MINDANAO	4,515	3,985	16.7	16.5
TOTAL	27,044	24,112	100.0	100.0