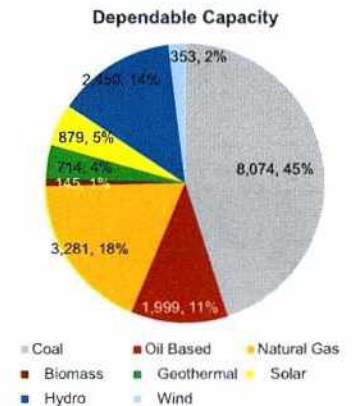
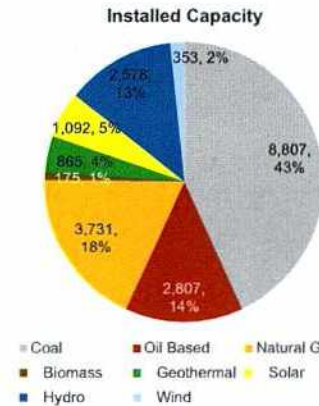




CAPACITY MIX, MW
Installed and Dependable Capacity

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,807	8,074	43.2	45.1
Oil Based	2,807	1,999	13.8	11.2
Diesel-Fired	1,206	1,002	5.9	5.6
Oil Thermal	650	305	3.2	1.7
Gas Turbine	767	540	3.8	3.0
Diesel-Fired (Hybrid)	16	11	0.1	0.1
Power Barge	19	10	0.1	0.1
Bunker-Fired	135	117	0.7	0.7
Bunker-Diesel-Fired	15	13	0.1	0.1
Natural Gas	3,731	3,281	18.3	18.3
Renewable Energy	5,063	4,541	24.8	25.4
Biomass	175	145	0.9	0.8
Biomass	167	142	0.8	0.8
Waste to Energy (WTE)	8	3	0.0	0.0
Geothermal	865	714	4.2	4.0
Solar	1,092	879	5.4	4.9
Behind-the-Meter (BTM)	46	37	0.2	0.2
Ground-Mounted	1,036	833	5.1	4.7
Rooftop-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Ground-Mounted Solar PV (Hybrid)	10	9	0.0	0.0
Hydro	2,578	2,450	12.6	13.7
Impounding Hydro	1,418	1,366	6.9	7.6
Pumped Hydro	736	720	3.6	4.0
Run-of-River (ROR)	424	365	2.1	2.0
Wind	353	353	1.7	2.0
Onshore Wind	353	353	1.7	2.0
Off-shore Wind (OSW)	0	0	0.0	0.0
TOTAL	20,407	17,895	100	100
Energy Storage System (ESS)	259	259		
Battery ESS	259	259		
Hybrid ESS	0	0		

TYPE OF CONNECTION	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Grid + Embedded	19,883	17,478	97.4	97.7
Off-Grid	524	417	2.6	2.3
TOTAL	20,407	17,895	100.0	100.0
Energy Storage System (ESS)	259	259		
Battery ESS	259	259		
Grid+Embedded	258	258		
Off-Grid	1	1		
Hybrid ESS	0	0		
Grid+Embedded	0	0		
Off-Grid	0	0		

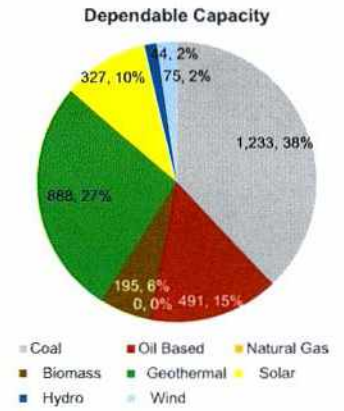
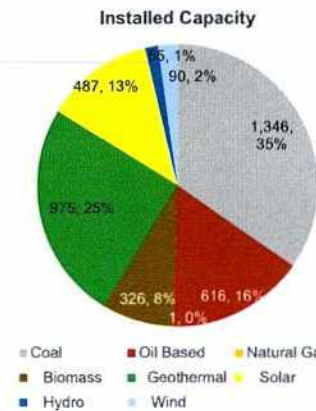




CAPACITY MIX, MW
Installed and Dependable Capacity

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,346	1,233	34.6	37.9
Oil Based	616	491	15.8	15.1
Diesel-Fired	584	463	15.0	14.2
Oil Thermal	0	0	0.0	0.0
Gas Turbine	0	0	0.0	0.0
Diesel-Fired (Hybrid)	0	0	0.0	0.0
Power Barge	2	1	0.1	0.0
Bunker-Fired	30	26	0.8	0.8
Bunker-Diesel-Fired	0	0	0.0	0.0
Natural Gas	1	0	0.0	0.0
Renewable Energy	1,933	1,529	49.6	47.0
Biomass	326	195	8.4	6.0
Biomass	326	195	8.4	6.0
Waste to Energy (WTE)	0	0	0.0	0.0
Geothermal	975	888	25.0	27.3
Solar	487	327	12.5	10.0
Behind-the-Meter (BTM)	0	0	0.0	0.0
Ground-Mounted	487	327	12.5	10.0
Rooftop-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Ground-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Hydro	55	44	1.4	1.4
Impounding Hydro	0	0	0.0	0.0
Pumped Hydro	0	0	0.0	0.0
Run-of-River (ROR)	55	44	1.4	1.4
Wind	90	75	2.3	2.3
Onshore Wind	90	75	2.3	2.3
Off-shore Wind (OSW)	0	0	0.0	0.0
TOTAL	3,896	3,253	100	100
Energy Storage System (ESS)	82	82		
Battery ESS	82	82		
Hybrid ESS	0	0		

TYPE OF CONNECTION	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Grid + Embedded	3,830	3,201	98.3	98.4
Off-Grid	66	51	1.7	1.6
TOTAL	3,896	3,253	100.0	100.0
Energy Storage System (ESS)	82	82		
Battery ESS	82	82		
Grid+Embedded	82	82		
Off-Grid	0	0		
Hybrid ESS	0	0		
Grid+Embedded	0	0		
Off-Grid	0	0		

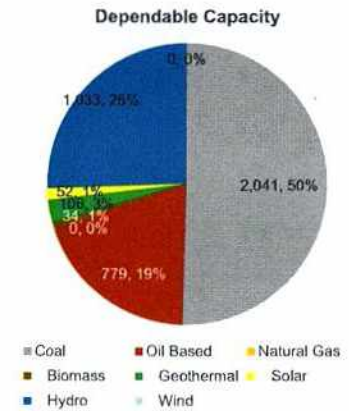
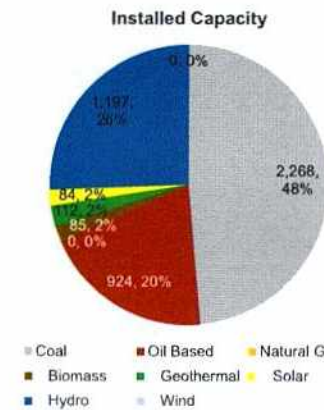




CAPACITY MIX, MW
Installed and Dependable Capacity

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	2,268	2,041	48.6	50.4
Oil Based	924	779	19.8	19.2
Diesel-Fired	924	779	19.8	19.2
Oil Thermal	0	0	0.0	0.0
Gas Turbine	0	0	0.0	0.0
Diesel-Fired (Hybrid)	0	0	0.0	0.0
Power Barge	0	0	0.0	0.0
Bunker-Fired	0	0	0.0	0.0
Bunker-Diesel-Fired	0	0	0.0	0.0
Natural Gas	0	0	0.0	0.0
Renewable Energy	1,478	1,226	31.6	30.3
Biomass	85	34	1.8	0.8
Waste to Energy (WTE)	0	0	0.0	0.0
Geothermal	112	106	2.4	2.6
Solar	84	52	1.8	1.3
Behind-the-Meter (BTM)	0	0	0.0	0.0
Ground-Mounted	0	0	0.0	0.0
Rooftop-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Ground-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Hydro	1,197	1,033	25.6	25.5
Impounding Hydro	0	0	0.0	0.0
Pumped Hydro	0	0	0.0	0.0
Run-of-River (ROR)	0	0	0.0	0.0
Wind	0	0	0.0	0.0
Onshore Wind	0	0	0.0	0.0
Off-shore Wind (OSW)	0	0	0.0	0.0
TOTAL	4,669	4,046	100	100
Energy Storage System (ESS)	96	96		
Battery ESS	47	47		
Hybrid (Diesel-Battery System)	49	49		

TYPE OF CONNECTION	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Grid + Embedded	4,578	3,975	98.0	98.2
Off-Grid	91	71	2.0	1.8
TOTAL	4,669	4,046	100.0	100.0
Energy Storage System (ESS)	96	96		
Battery ESS	47	47		
Grid+Embedded	47	47		
Off-Grid	0	0		
Hybrid ESS	49	49		
Grid+Embedded	49	49		
Off-Grid	0	0		





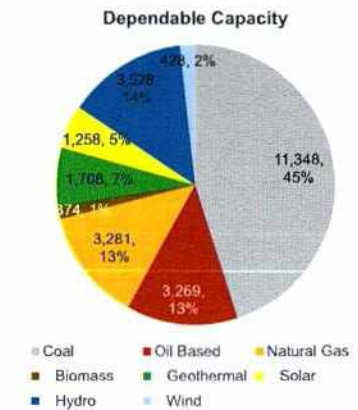
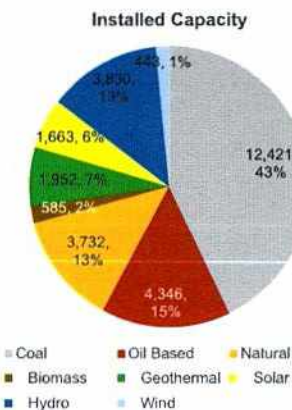
DEPARTMENT OF ENERGY
LIST OF EXISTING POWER PLANTS (GRID & OFF-GRID CONNECTED) AS OF 31 DECEMBER 2023

CAPACITY MIX, MW
 Installed and Dependable Capacity

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	12,421	11,348	42.9	45.0
Oil Based	4,346	3,269	15.0	13.0
Diesel-Fired	2,713	2,244	9.4	8.9
Oil Thermal	650	305	2.2	1.2
Gas Turbine	767	540	2.6	2.1
Diesel-Fired (Hybrid)	16	11	0.1	0.0
Power Barge	21	12	0.1	0.0
Bunker-Fired	165	143	0.6	0.6
Bunker-Diesel-Fired	15	13	0.1	0.1
Natural Gas	3,732	3,281	12.9	13.0
Renewable Energy	8,474	7,296	29.2	29.0
Biomass	585	374	2.0	1.5
Biomass	492	337	1.7	1.3
Waste to Energy (WTE)	8	3	0.0	0.0
Geothermal	1,952	1,708	6.7	6.8
Solar	1,663	1,258	5.7	5.0
Behind-the-Meter (BTM)	46	37	0.2	0.1
Ground-Mounted	1,524	1,160	5.3	4.6
Rooftop-Mounted Solar PV (Hybrid)	0	0	0.0	0.0
Ground-Mounted Solar PV (Hybrid)	10	9	0.0	0.0
Hydro	3,830	3,528	13.2	14.0
Impounding Hydro	1,418	1,366	4.9	5.4
Pumped Hydro	736	720	2.5	2.9
Run-of-River (ROR)	479	409	1.7	1.6
Wind	443	428	1.5	1.7
Onshore Wind	443	428	1.5	1.7
Off-shore Wind (OSW)	0	0	0.0	0.0
TOTAL	28,973	25,194	100	100
Energy Storage System (ESS)	437	437		
Battery ESS	388	388		
Grid+Embedded	387	387		
Off-Grid	1	1		
Hybrid ESS	49	49		
Grid+Embedded	49	49		
Off-Grid	0	0		

TYPE OF CONNECTION	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Grid + Embedded	28,291	24,654	97.6	97.9
Off-Grid	682	540	2.4	2.1
TOTAL	28,973	25,194	100.0	100.0
Energy Storage System (ESS)	437	437		
Battery ESS	388	388		
Grid+Embedded	387	387		
Off-Grid	1	1		
Hybrid ESS	49	49		
Grid+Embedded	49	49		
Off-Grid	0	0		

GRID	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
LUZON	20,407	17,895	70.4%	71.0%
VISAYAS	3,896	3,253	13.4%	12.9%
MINDANAO	4,669	4,046	16.1%	16.1%
TOTAL	28,973	25,194	100.0%	100.0%



Note:

Released as of 01 April 2024

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.