DEPARTMENT OF ENERGY

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

AS OF DECEMBER 2019

CAPACITY MIX, MW

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**6,929**	**6,520**	**40.1**	**41.8**
Oil Based	**2,585**	**1,739**	**15.0**	**11.1**
Diesel	*1,187*	*976*	*6.9*	*6.3*
Oil Thermal	*650*	*150*	*3.8*	*1.0*
Gas Turbine	*748*	*613*	*4.3*	*3.9*
Natural Gas	**3,452**	**3,286**	**20.0**	**21.1**
Renewable Energy	**4,320**	**4,053**	**25.0**	**26.0**
Geothermal	*865*	*824*	*5.0*	*5.3*
Hydro	*2,593*	*2,498*	*15.0*	*16.0*
Biomass	*164*	*105*	*0.9*	*0.7*
Solar	*362*	*289*	*2.1*	*1.9*
Wind	*337*	*337*	*1.9*	*2.2*
TOTAL	**17,286**	**15,598**	**100.0**	**100.0**
BESS	*10*	*10*		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,399**	**1,349**	**36.7**	**40.8**
Oil Based	**742**	**505**	**19.5**	**15.3**
Diesel	*687*	*505*	*18.0*	*15.3*
Gas Turbine	*55*	*0*	*1.4*	*0.0*
Natural Gas	**1**	**0**	**0.0**	**0.0**
Renewable Energy	**1,667**	**1,452**	**43.8**	**43.9**
Geothermal	*955*	*865*	*25.1*	*26.2*
Hydro	*19*	*19*	*0.5*	*0.6*
Biomass	*127*	*97*	*3.3*	*2.9*
Solar	*476*	*381*	*12.5*	*11.5*
Wind	*90*	*90*	*2.4*	*2.7*
TOTAL	**3,809**	**3,306**	**100.0**	**100.0**

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**2,089**	**1,874**	**47.1**	**48.9**
Oil Based	**936**	**771**	**21.1**	**20.1**
Diesel	*936*	*771*	*21.1*	*20.1*
Natural Gas	**0**	**0**	**0.0**	**0.0**
Renewable Energy	**1,412**	**1,186**	**31.8**	**31.0**
Geothermal	*108*	*103*	*2.4*	*2.7*
Hydro	*1,147*	*991*	*25.9*	*25.9*
Biomass	*73*	*25*	*1.6*	*0.7*
Solar	*84*	*67*	*1.9*	*1.7*
Wind	*0*	*0*	*0.0*	*0.0*
TOTAL	**4,436**	**3,832**	**100.0**	**100.0**

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**10,417**	**9,743**	**40.8**	**42.9**
Oil Based	**4,262**	**3,015**	**16.7**	**13.3**
Diesel	*2,809*	*2,252*	*11.0*	*9.9*
Oil Thermal	*650*	*150*	*2.5*	*0.7*
Gas Turbine	*803*	*613*	*3.1*	*2.7*
Natural Gas	**3,453**	**3,286**	**13.5**	**14.5**
Renewable Energy	**7,399**	**6,691**	**29.0**	**29.4**
Geothermal	*1,928*	*1,792*	*7.6*	*7.9*
Hydro	*3,760*	*3,508*	*14.7*	*15.4*
Biomass	*363*	*227*	*1.4*	*1.0*
Solar	*921*	*737*	*3.6*	*3.2*
Wind	*427*	*427*	*1.7*	*1.9*
TOTAL	**25,531**	**22,736**	**100.0**	**100.0**
BESS	*10*	*10*		

Note:
Including off-grid generators
Released as of 24 February 2020

TOTAL CAPACITY, MW	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	16,870	416	17,286	15,261	336	15,598
VISAYAS	3,770	40	3,809	3,276	30	3,306
MINDANAO	4,366	70	4,436	3,780	52	3,832
TOTAL	**25,006**	**526**	**25,531**	**22,317**	**419**	**22,736**
	98%	2%	100%	98%	2%	100%

% Share	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	67%	79%	68%	68%	80%	69%
VISAYAS	15%	8%	15%	15%	7%	15%
MINDANAO	17%	13%	17%	17%	13%	17%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**