DEPARTMENT OF ENERGY

LIST OF EXISTING POWER PLANTS (GRID-CONNECTED & OFF-GRID) AS OF JUNE 2019

CAPACITY MIX, MW

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**6,264**	**5,930**	**37.8**	**39.6**
Oil Based	**2,598**	**1,742**	**15.7**	**11.6**
Diesel	*1,200*	*979*	*7.3*	*6.5*
Oil Thermal	*650*	*150*	*3.9*	*1.0*
Gas Turbine	*748*	*613*	*4.5*	*4.1*
Natural Gas	**3,452**	**3,286**	**20.9**	**21.9**
Renewable Energy	**4,240**	**4,015**	**25.6**	**26.8**
Geothermal	*871*	*805*	*5.3*	*5.4*
Hydro	*2,565*	*2,488*	*15.5*	*16.6*
Biomass	*106*	*84*	*0.6*	*0.6*
Solar	*362*	*301*	*2.2*	*2.0*
Wind	*337*	*337*	*2.0*	*2.3*
TOTAL	16,554	14,973	100.0	100.0

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,229**	**1,199**	**33.9**	**37.9**
Oil Based	**744**	**508**	**20.5**	**16.1**
Diesel	*689*	*508*	*19.0*	*16.1*
Gas Turbine	*55*	*0*	*1.5*	*0.0*
Natural Gas	**1**	**0**	**0.0**	**0.0**
Renewable Energy	**1,652**	**1,454**	**45.5**	**46.0**
Geothermal	*965*	*865*	*26.6*	*27.3*
Hydro	*19*	*19*	*0.5*	*0.6*
Biomass	*102*	*85*	*2.8*	*2.7*
Solar	*476*	*396*	*13.1*	*12.5*
Wind	*90*	*90*	*2.5*	*2.8*
TOTAL	3,627	3,161	100.0	100.0

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,821**	**1,631**	**44.3**	**46.1**
Oil Based	**936**	**774**	**22.8**	**21.9**
Diesel	*936*	*774*	*22.8*	*21.9*
Natural Gas	**0**	**0**	**0.0**	**0.0**
Renewable Energy	**1,353**	**1,136**	**32.9**	**32.1**
Geothermal	*108*	*100*	*2.6*	*2.8*
Hydro	*1,134*	*978*	*27.6*	*27.6*
Biomass	*51*	*14*	*1.2*	*0.4*
Solar	*59*	*44*	*1.4*	*1.2*
Wind	*0*	*0*	*0.0*	*0.0*
TOTAL	4,109	3,541	100.0	100.0

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**9,314**	**8,760**	**38.3**	**40.4**
Oil Based	**4,278**	**3,024**	**17.6**	**14.0**
Diesel	*2,825*	*2,261*	*11.6*	*10.4*
Oil Thermal	*650*	*150*	*2.7*	*0.7*
Gas Turbine	*803*	*613*	*3.3*	*2.8*
Natural Gas	**3,453**	**3,286**	**14.2**	**15.2**
Renewable Energy	**7,245**	**6,605**	**29.8**	**30.5**
Geothermal	*1,944*	*1,770*	*8.0*	*8.2*
Hydro	*3,719*	*3,486*	*15.3*	*16.1*
Biomass	*258*	*182*	*1.1*	*0.8*
Solar	*896*	*740*	*3.7*	*3.4*
Wind	*427*	*427*	*1.8*	*2.0*
TOTAL	24,289	21,675	100.0	100.0

Note:
Including off-grid generators
Released as of 19 August 2019

TOTAL CAPACITY, MW	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	16,133	421	16,554	14,640	333	14,973
VISAYAS	3,588	39	3,627	3,131	30	3,161
MINDANAO	4,038	70	4,109	3,486	55	3,541
TOTAL	23,759	530	24,289	21,258	417	21,675
	98%	2%	100%	98%	2%	100%

% Share	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	68%	79%	68%	69%	80%	69%
VISAYAS	15%	7%	15%	15%	7%	15%
MINDANAO	17%	13%	17%	16%	13%	16%
TOTAL	100%	100%	100%	100%	100%	100%