DEPARTMENT OF ENERGY

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

AS OF JUNE 2020

CAPACITY MIX, MW

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**6,929**	**6,520**	**39.7**	**41.6**
Oil Based	**2,628**	**1,732**	**15.1**	**11.0**
Diesel	*1,230*	*969*	*7.1*	*6.2*
Oil Thermal	*650*	*150*	*3.7*	*1.0*
Gas Turbine	*748*	*613*	*4.3*	*3.9*
Natural Gas	**3,452**	**3,286**	**19.8**	**20.9**
Renewable Energy	**4,435**	**4,149**	**25.4**	**26.4**
Geothermal	*865*	*824*	*5.0*	*5.3*
Hydro	*2,593*	*2,498*	*14.9*	*15.9*
Biomass	*164*	*105*	*0.9*	*0.7*
Solar	*460*	*370*	*2.6*	*2.4*
Wind	*353*	*353*	*2.0*	*2.2*
TOTAL	**17,443**	**15,687**	**100.0**	**100.0**
BESS	*11*	*11*		

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,399**	**1,349**	**36.7**	**40.7**
Oil Based	**749**	**512**	**19.6**	**15.5**
Diesel	*694*	*512*	*18.2*	*15.5*
Gas Turbine	*55*	*0*	*1.4*	*0.0*
Natural Gas	**1**	**0**	**0.0**	**0.0**
Renewable Energy	**1,669**	**1,453**	**43.7**	**43.8**
Geothermal	*955*	*865*	*25.0*	*26.1*
Hydro	*21*	*20*	*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	**3,818**	**3,315**	**100.0**	**100.0**

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**2,089**	**1,874**	**46.9**	**48.8**
Oil Based	**950**	**780**	**21.4**	**20.3**
Diesel	*950*	*780*	*21.4*	*20.3*
Natural Gas	**0**	**0**	**0.0**	**0.0**
Renewable Energy	**1,412**	**1,185**	**31.7**	**30.9**
Geothermal	*108*	*103*	*2.4*	*2.7*
Hydro	*1,147*	*991*	*25.8*	*25.8*
Biomass	*73*	*23*	*1.6*	*0.6*
Solar	*84*	*67*	*1.9*	*1.7*
Wind	*0*	*0*	*0.0*	*0.0*
TOTAL	**4,451**	**3,839**	**100.0**	**100.0**

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**10,417**	**9,743**	**40.5**	**42.7**
Oil Based	**4,328**	**3,024**	**16.8**	**13.2**
Diesel	*2,875*	*2,261*	*11.2*	*9.9*
Oil Thermal	*650*	*150*	*2.5*	*0.7*
Gas Turbine	*803*	*613*	*3.1*	*2.7*
Natural Gas	**3,453**	**3,286**	**13.4**	**14.4**
Renewable Energy	**7,515**	**6,787**	**29.2**	**29.7**
Geothermal	*1,928*	*1,792*	*7.5*	*7.8*
Hydro	*3,761*	*3,509*	*14.6*	*15.4*
Biomass	*363*	*225*	*1.4*	*1.0*
Solar	*1,020*	*817*	*4.0*	*3.6*
Wind	*443*	*443*	*1.7*	*1.9*
TOTAL	**25,713**	**22,841**	**100.0**	**100.0**
BESS	*11*	*11*		

Note:
Including off-grid generators
Released as of 22 September 2020

TOTAL CAPACITY, MW	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	16,961	482	17,443	15,335	353	15,687
VISAYAS	3,771	47	3,818	3,277	37	3,315
MINDANAO	4,377	75	4,451	3,786	53	3,839
TOTAL	**25,109**	**603**	**25,713**	**22,398**	**443**	**22,841**
	98%	2%	100%	98%	2%	100%

% Share	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	68%	80%	68%	68%	80%	69%
VISAYAS	15%	8%	15%	15%	8%	15%
MINDANAO	17%	12%	17%	17%	12%	17%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**