DEPARTMENT OF ENERGY

LIST OF EXISTING POWER PLANTS

2018

CAPACITY MIX, MW (Grid and Off-grid)
as of 31 December 2018

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**6,264**	**5,970**	**37.8**	**39.9**
Oil Based	**2,612**	**1,715**	**15.8**	**11.5**
Diesel	*1,214*	*1,025*	*7.3*	*6.8*
Oil Thermal	*650*	*150*	*3.9*	*1.0*
Gas Turbine	*748*	*540*	*4.5*	*3.6*
Natural Gas	**3,452**	**3,286**	**20.9**	**21.9**
Renewable Energy	**4,222**	**4,002**	**25.5**	**26.7**
Geothermal	*871*	*805*	*5.3*	*5.4*
Hydro	*2,547*	*2,475*	*15.4*	*16.5*
Biomass	*106*	*84*	*0.6*	*0.6*
Solar	*362*	*301*	*2.2*	*2.0*
Wind	*337*	*337*	*2.0*	*2.3*
TOTAL	**16,549**	**14,973**	**100.0**	**100.0**

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,059**	**1,043**	**30.7**	**34.8**
Oil Based	**738**	**502**	**21.4**	**16.7**
Diesel	683	502	*19.8*	*16.7*
Gas Turbine	55	0	*1.6*	*0.0*
Natural Gas	**1**	**0**	**0.0**	**0.0**
Renewable Energy	**1,652**	**1,454**	**47.9**	**48.5**
Geothermal	965	*865*	*28.0*	*28.8*
Hydro	19	*19*	*0.6*	*0.6*
Biomass	102	*85*	*3.0*	*2.8*
Solar	476	*396*	*13.8*	*13.2*
Wind	90	*90*	*2.6*	*3.0*
TOTAL	**3,450**	**3,000**	**100.0**	**100.0**

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,521**	**1,355**	**39.9**	**41.5**
Oil Based	**942**	**778**	**24.7**	**23.8**
Diesel	*942*	*778*	*24.7*	*23.8*
Natural Gas	**0**	**0**	**0.0**	**0.0**
Renewable Energy	**1,353**	**1,136**	**35.5**	**34.8**
Geothermal	*108*	*100*	*2.8*	*3.1*
Hydro	*1,134*	*978*	*29.7*	*29.9*
Biomass	*51*	*14*	*1.3*	*0.4*
Solar	*59*	*44*	*1.5*	*1.4*
Wind	*0*	*0*	*0.0*	*0.0*
TOTAL	**3,815**	**3,269**	**100.0**	**100.0**

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,844	8,368	37.1	39.4
Oil Based	4,292	2,995	18.0	14.1
Diesel	*2,839*	*2,305*	*11.9*	*10.9*
Oil Thermal	*650*	*150*	*2.7*	*0.7*
Gas Turbine	*803*	*540*	*3.4*	*2.5*
Natural Gas	**3,453**	**3,286**	**14.5**	**15.5**
Renewable Energy	**7,227**	**6,592**	**30.3**	**31.0**
Geothermal	*1,944*	*1,770*	*8.2*	*8.3*
Hydro	*3,701*	*3,473*	*15.5*	*16.3*
Biomass	*258*	*182*	*1.1*	*0.9*
Solar	*896*	*740*	*3.8*	*3.5*
Wind	*427*	*427*	*1.8*	*2.0*
TOTAL	**23,815**	**21,241**	**100.0**	**100.0**

Note:
Including off-grid generators
Released as of 5 March 2019

TOTAL CAPACITY, MW	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	16,133	416	16,549	14,646	327	14,973
VISAYAS	3,410	40	3,450	2,969	31	3,000
MINDANAO	3,738	77	3,815	3,210	59	3,269
TOTAL	**23,281**	**534**	**23,815**	**20,825**	**416**	**21,241**
	98%	2%	100%	98%	2%	100%

% Share	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	69%	78%	69%	70%	79%	70%
VISAYAS	15%	8%	14%	14%	7%	14%
MINDANAO	16%	14%	16%	15%	14%	15%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**