DEPARTMENT OF ENERGY

LIST OF EXISTING POWER PLANTS

2017

CAPACITY MIX, MW (Grid and Off-grid)
as 31 December 2017

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**5,625**	**5,404**	**35.7**	**37.4**
Oil Based	**2,518**	**1,977**	**16.0**	**13.7**
Diesel	*1,101*	*907*	*7.0*	*6.3*
Oil Thermal	*650*	*530*	*4.1*	*3.7*
Gas Turbine	*767*	*540*	*4.9*	*3.7*
Natural Gas	**3,446**	**3,291**	**21.9**	**22.8**
Renewable Energy	**4,156**	**3,758**	**26.4**	**26.0**
Geothermal	*843*	*782*	*5.4*	*5.4*
Hydro	*2,527*	*2,351*	*16.1*	*16.3*
Wind	*337*	*293*	*2.1*	*2.0*
Biomass	*87*	*66*	*0.5*	*0.5*
Solar	*362*	*265*	*2.3*	*1.8*
TOTAL	**15,743**	**14,430**	**100.0**	**100.0**

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,054**	**1,050**	**30.8**	**35.0**
Oil Based	**730**	**499**	**21.3**	**16.6**
Diesel	675	499	*19.7*	*16.6*
Gas Turbine	55	0	*1.6*	*0.0*
Natural Gas	**1**	**0**	**0.0**	**0.0**
Renewable Energy	**1,640**	**1,454**	**47.9**	**48.4**
Geothermal	965	*870*	*28.2*	*29.0*
Hydro	20	*18*	*0.6*	*0.6*
Wind	90	*90*	*2.6*	*3.0*
Biomass	101	*84*	*3.0*	*2.8*
Solar	465	*392*	*13.6*	*13.1*
TOTAL	**3,425**	**3,002**	**100.0**	**100.0**

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	**1,370**	**1,220**	**38.5**	**39.6**
Oil Based	**906**	**811**	**25.5**	**26.3**
Diesel	*906*	*811*	*25.5*	*26.3*
Natural Gas	**0**	**0**	**0.0**	**0.0**
Renewable Energy	**1,284**	**1,052**	**36.1**	**34.1**
Geothermal	*108*	*100*	*3.0*	*3.2*
Hydro	*1,080*	*899*	*30.4*	*29.2*
Wind	*0*	*0*	*0.0*	*0.0*
Biomass	*36*	*10*	*1.0*	*0.3*
Solar	*59*	*43*	*1.7*	*1.4*
TOTAL	**3,559**	**3,083**	**100.0**	**100.0**

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	8,049	7,674	35.4	37.4
Oil Based	4,153	3,286	18.3	16.0
Diesel	*2,682*	*2,216*	*11.8*	*10.8*
Oil Thermal	*650*	*530*	*2.9*	*2.6*
Gas Turbine	*822*	*540*	*3.6*	*2.6*
Natural Gas	**3,447**	**3,291**	**15.2**	**16.0**
Renewable Energy	**7,079**	**6,264**	**31.1**	**30.5**
Geothermal	*1,916*	*1,752*	*8.4*	*8.5*
Hydro	*3,627*	*3,269*	*16.0*	*15.9*
Wind	*427*	*383*	*1.9*	*1.9*
Biomass	*224*	*160*	*1.0*	*0.8*
Solar	*885*	*700*	*3.9*	*3.4*
TOTAL	**22,728**	**20,515**	**100.0**	**100.0**

Note:
Including off-grid generators
Released as of 15 Feb 2018

TOTAL CAPACITY, MW	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	15,392	352	15,743	14,157	273	14,430
VISAYAS	3,390	35	3,425	2,976	26	3,002
MINDANAO	3,481	79	3,559	3,023	60	3,083
TOTAL	**22,262**	**465**	**22,728**	**20,156**	**359**	**20,515**
	98%	2%	100%	98%	2%	100%

% Share	Installed Capacity			Dependable Capacity		
	Grid	Off-grid	TOTAL	Grid	Off-grid	TOTAL
LUZON	69%	76%	69%	70%	76%	70%
VISAYAS	15%	8%	15%	15%	7%	15%
MINDANAO	16%	17%	16%	15%	17%	15%
TOTAL	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**