

Annex 4. 2016 List of Existing Power Plants, Philippines

CAPACITY MIX, MW as 31 December 2016

FUEL TYPE	LUZON			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	5,294	4,970	35.3	36.5
Oil Based	2,133	1,655	14.2	12.2
<i>Diesel</i>	763	645	5.1	4.7
<i>Oil Thermal</i>	650	470	4.3	3.5
<i>Gas Turbine</i>	720	540	4.8	4.0
Natural Gas	3,430	3,291	22.9	24.2
Renewable Energy	4,120	3,684	27.5	27.1
<i>Geothermal</i>	843	777	5.6	5.7
<i>Hydro</i>	2,537	2,323	16.9	17.1
<i>Wind</i>	337	293	2.2	2.2
<i>Biomass</i>	95	71	0.6	0.5
<i>Solar</i>	307	220	2.1	1.6
TOTAL	14,977	13,600	100.0	100.0

FUEL TYPE	VISAYAS			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,054	1,050	32.1	37.3
Oil Based	655	434	19.9	15.4
<i>Diesel</i>	600	434	18.3	15.4
<i>Gas Turbine</i>	55	0	1.7	0.0
Natural Gas	1	0	0.0	0.0
Renewable Energy	1,574	1,329	47.9	47.2
<i>Geothermal</i>	965	813	29.4	28.9
<i>Hydro</i>	20	18	0.6	0.6
<i>Wind</i>	90	90	2.7	3.2
<i>Biomass</i>	101	77	3.1	2.7
<i>Solar</i>	399	331	12.1	11.8
TOTAL	3,284	2,813	100.0	100.0

FUEL TYPE	MINDANAO			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	1,070	959	33.8	35.7
Oil Based	828	733	26.2	27.3
<i>Diesel</i>	828	733	26.2	27.3
Natural Gas	0	0	0.0	0.0
Renewable Energy	1,264	993	40.0	37.0
<i>Geothermal</i>	108	100	3.4	3.7
<i>Hydro</i>	1,061	840	33.5	31.3
<i>Wind</i>	0	0	0.0	0.0
<i>Biomass</i>	36	10	1.1	0.4
<i>Solar</i>	59	43	1.9	1.6
TOTAL	3,162	2,684	100.0	100.0

FUEL TYPE	PHILIPPINES			
	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
Coal	7,419	6,979	34.6	36.5
Oil Based	3,616	2,821	16.9	14.8
Natural Gas	3,431	3,291	16.0	17.2
Renewable Energy	6,958	6,005	32.5	31.4
<i>Geothermal</i>	1,916	1,689	8.9	8.8
<i>Hydro</i>	3,618	3,181	16.9	16.7
<i>Wind</i>	427	383	2.0	2.0
<i>Biomass</i>	233	157	1.1	0.8
<i>Solar</i>	765	594	3.6	3.1
TOTAL	21,423	19,097	100.0	100.0

Note:

Excluding off-grid generators

Release date, 15 February 2017

GRID	Capacity (MW)		Percent Share (%)	
	Installed	Dependable	Installed	Dependable
LUZON	14,977	13,600	69.9	71.2
VISAYAS	3,284	2,813	15.3	14.7
MINDANAO	3,162	2,684	14.8	14.1
TOTAL	21,423	19,097	100.0	100.0