

## Annex A.1.7

**CUMULATIVE INSTALLED CAPACITY****REFERENCE CASE**

(In Megawatts, MW)

Luzon	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Oil-based	2,514.48	2,514.48	2,514.48	2,514.48	2,304.48	1,654.48	1,654.48	1,654.48	1,654.48	1,654.48
Diesel	964.48	964.48	964.48	964.48	964.48	964.48	964.48	964.48	964.48	964.48
Gas Turbine	900.00	900.00	900.00	900.00	900.00	690.00	690.00	690.00	690.00	690.00
Oil Thermal	650.00	650.00	650.00	650.00	650.00	-	-	-	-	-
Coal	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00	3,769.00
Natural Gas	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00
Geothermal	907.23	907.23	907.23	907.23	907.23	907.23	907.23	907.23	907.23	907.23
Hydropower	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86	2,207.86
Renewables	-	25.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
Wind	-	25.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
Biomass	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	150.00	600.00	1,050.00	1,650.00	1,950.00
Baseload	-	-	-	-	-	-	-	-	-	-
Midrange	-	-	-	-	-	-	300.00	600.00	1,200.00	1,500.00
Peaking	-	-	-	-	-	150.00	300.00	450.00	450.00	450.00
<b>Total</b>	<b>12,161.57</b>	<b>12,186.57</b>	<b>12,226.57</b>	<b>12,226.57</b>	<b>12,016.57</b>	<b>11,516.57</b>	<b>11,966.57</b>	<b>12,416.57</b>	<b>13,016.57</b>	<b>13,316.57</b>

Visayas	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Oil-based	595.53	705.53	705.53	705.53	705.53	705.53	705.53	705.53	705.53	705.53
Diesel	540.53	650.53	650.53	650.53	650.53	650.53	650.53	650.53	650.53	650.53
Gas Turbine	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Oil Thermal	-	-	-	-	-	-	-	-	-	-
Coal	198.10	198.10	198.10	398.10	398.10	398.10	398.10	398.10	398.10	398.10
Natural Gas	-	-	-	-	-	-	-	-	-	-
Geothermal	915.80	915.80	915.80	984.80	984.80	984.80	984.80	984.80	984.80	984.80
Hydropower	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61
Renewables	-	-	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	200.00	300.00	450.00	600.00
Baseload	-	-	-	-	-	-	-	-	-	100.00
Midrange	-	-	-	-	-	-	-	-	-	-
Peaking	-	-	-	-	-	-	200.00	300.00	450.00	500.00
<b>Total</b>	<b>1,721.04</b>	<b>1,831.04</b>	<b>1,831.04</b>	<b>2,100.04</b>	<b>2,100.04</b>	<b>2,100.04</b>	<b>2,300.04</b>	<b>2,400.04</b>	<b>2,550.04</b>	<b>2,700.04</b>

Mindanao	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Oil-based	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19
Diesel	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19	609.19
Gas Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal	0.00	0.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geothermal	108.48	108.48	108.48	108.48	128.48	128.48	128.48	128.48	128.48	128.48
Hydropower	997.65	997.65	997.65	997.65	997.65	997.65	997.65	997.65	997.65	997.65
Renewables	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Biomass	0	0	0	0	0	0	0	0	0	0
Others	0	50	250	300	350	400	500	550	650	800
Baseload	0	-	200	250	300	350	450	500	600	750
Midrange	0	0	0	0	0	0	0	0	0	0
Peaking	0	50	50	50	50	50	50	50	50	50
<b>Total</b>	<b>1,715.32</b>	<b>1,765.32</b>	<b>2,175.32</b>	<b>2,225.32</b>	<b>2,295.32</b>	<b>2,345.32</b>	<b>2,445.32</b>	<b>2,495.32</b>	<b>2,595.32</b>	<b>2,745.32</b>

Philippines	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Oil-based	3,719.20	3,829.20	3,829.20	3,829.20	3,619.20	2,969.20	2,969.20	2,969.20	2,969.20	2,969.20
Diesel	2,114.20	2,224.20	2,224.20	2,224.20	2,224.20	2,224.20	2,224.20	2,224.20	2,224.20	2,224.20
Gas Turbine	955.00	955.00	955.00	955.00	745.00	745.00	745.00	745.00	745.00	745.00
Oil Thermal	650.00	650.00	650.00	650.00	650.00	-	-	-	-	-
Coal	3,967.10	3,967.10	4,177.10	4,377.10	4,377.10	4,377.10	4,377.10	4,377.10	4,377.10	4,377.10
Natural Gas	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00	2,763.00
Geothermal	1,931.51	1,931.51	1,931.51	2,000.51	2,020.51	2,020.51	2,020.51	2,020.51	2,020.51	2,020.51
Hydropower	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12	3,217.12
Renewables	-	25.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
Wind	-	25.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
Biomass	-	-	-	-	-	-	-	-	-	-
Others	-	50.00	250.00	300.00	350.00	550.00	1,300.00	1,900.00	2,750.00	3,350.00
Baseload	-	-	200.00	250.00	300.00	350.00	450.00	500.00	600.00	850.00
Midrange	-	-	-	-	-	-	300.00	600.00	1,200.00	1,500.00
Peaking	-	50.00	50.00	50.00	50.00	200.00	550.00	800.00	950.00	1,000.00
<b>Total</b>	<b>15,597.93</b>	<b>15,782.93</b>	<b>16,232.93</b>	<b>16,551.93</b>	<b>16,411.93</b>	<b>15,961.93</b>	<b>16,711.93</b>	<b>17,311.93</b>	<b>18,161.93</b>	<b>18,761.93</b>