

SMALL POWER UTILITIES GROUP
POWER PLANTS/POWER BARGES OPERATIONAL REPORT FOR EXISTING AREAS
As of February 25, 2016

Grid No.	Plant No.	PLANT, PROVINCE (Operating Hours) Time of Operation (Distribution Utility)	GENSETS PARTICULARS				ACCUMULATED RUNNING HOURS	SYSTEM DEMAND			GROSS RESERVE (DEFICIENCY)	MAXIMUM SYTEM DEMAND (2016)	COMM'SNG DATE	STATUS	REMARKS		
			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)							
8	10	BASCO DPP, Batanes (24 hours operation) (BATANELCO) MONARK EQUIPMENT CORP. (RENTAL)	1	STAMFORD-PERKINS	0.500	0.400	23,078.510						7-Aug-04	Operational			
			8	MAN B&W	0.500	0.400	53,826.140							2-Apr-03	Operational		
			Sub-total (owned)		1.000	0.800											
			9	MONARK-(RENTAL)	1.445	1.100	14,634.000								21-Jun-14	Operational	Contracted Capacity: 1.1 MW Contract Period: 21 Jun 2015 to 20 Jun 2016
Sub-total (rental)		1.445	1.100														
Total		2.445	1.900														
10	11	WIND TURBINE, Batanes On Standby	1	Vergnet	0.060	0.000	6,824.000						7-Aug-04	Unoperational	Not operational due to corrupted main Programmable Logic Controller (PLC)		
			2	Vergnet	0.060	0.000	4,885.000						7-Aug-04	Unoperational			
			3	Vergnet	0.060	0.000	5,568.000						7-Aug-04	Unoperational			
			Sub-total		0.180	0.000											
Total Grid :		2.625	1.900				0.924	0.305	0.574	0.976	1.444						
9	12	SABTANG DPP, Batanes (18 hours operation) 6:00AM-12:00MN (BATANELCO)	1	DALE-PERKINS	0.163	0.000	63,131.420						15-Jan-93	Unoperational	Major overhauling completed; awaiting for the delivery of new radiator from the supplier; to be restored upon delivery		
			2	DALE-PERKINS	0.163	0.130	21,921.390							15-Jan-93	Operational	Deferred PMS (Major Overhauling) in preparation for the National Election.	
			Total :		0.326	0.130			0.129	0.038	0.064	0.001	0.130				
10	13	ITBAYAT DPP, Batanes (18 hours operation) 6:00AM-12:00MN (BATANELCO)	1	DALE-PERKINS	0.163	0.000	45,915.510						1-Dec-96	Unoperational	Unoperational since 17 Jan 2016 due to high engine temperature. Tentative restoration date is on 25 February 2016		
			2	DALE-PERKINS	0.163	0.150	39,239.730							1-Dec-96	Operational		
			Total :		0.326	0.150			0.130	0.060	0.080	0.020	0.145				
11	14	CALAYAN DPP, Cagayan (12 hours operation) 12:00NN-12:00MN (LGU-CALAYAN)	1	DALE-PERKINS	0.163	0.150	24,229.350						22-Aug-92	Operational			
			2	DALE-PERKINS	0.163	0.000	37,177.250							22-Aug-92	Unoperational	Unoperational since August 2015 due to mechanical problem on the crankshaft hub; tentative restoration on 17 March 2016	
			3	FGWILSON	0.100	0.090	9,951.000							3-Mar-08	Operational		
			Total :		0.426	0.240			0.130	0.058	0.079	0.110	0.170				
12	15	KABUGAO DPP, Apayao (24 hours operation) (KAELCO)	1	DALE-PERKINS	0.260	0.250	58,375.320						8-Mar-93	Operational			
			2	DALE-PERKINS	0.163	0.150	59,129.770							27-Oct-93	Operational		
			3	CKD	0.220	0.200	45,539.460							28-Sep-96	Operational		
Total :		0.643	0.600			0.168	0.050	0.084	0.432	0.200							
13	16	PALANAN DPP, Isabela (12 hours operation) 12:00NN-12:00MN (ISELCO II)	1	DALE-PERKINS	0.163	0.150	27,891.190						1-Aug-95	Operational			
			2	DALE-PERKINS	0.260	0.250	25,153.500							1-Aug-95	Operational		
			3	FG WILSON	0.100	0.090	2,241.600							14-Apr-09	Operational		
Total :		0.523	0.490			0.168	0.052	0.094	0.322	0.181							
14	17	CASIGURAN DPP, Aurora (24 hours operation) (AURELCO)	1	MAN	0.500	0.430	40,607.040						12-Jul-04	Operational			
			2	MAN	0.500	0.450	49,670.180							12-Jul-04	Operational		
			4	DALE-PERKINS	0.260	0.180	49,311.150							6-Dec-13	Operational		
			5	DALE-PERKINS	0.675	0.480	12,799.700							2-Aug-92	Operational	Breakdown on January 26, 2016; rehabilitation started on 22 Feb 2016; target date of completion is on March 15, 2016.	
			Total :		1.935	1.540			0.911	0.228	0.580	0.629	1.454			Note: Max recorded demand (Jan2016) - 1.220MW	
		Eco Market Solutions, Inc. (EMS)	1	Biomass	0.250	0.000						2013	Unoperational	EMS did not resume their operation after being damaged by typhoon on 12 Aug 2013			

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
B. CATANDUANES/CAMSUR/MASBATE/ALBAY AREA:																
Catanduanes Grid																
18	BALONGBONG HEPP, Catanduanes (24 hours operation) (FICELCO)		1	SFW 900-10/1430	0.900	0.900	150,917.980					1-Jun-83	Operational			
			2	SFW 900-10/1430	0.900	0.900	132,564.200					1-Jun-83	Operational			
			Sub-total		1.800	1.800										
19	MARINAWA DPP, Catanduanes (24 hours operation) (FICELCO)		1	DALE-PERKINS	0.560	0.450	51,895.000						30-Jul-99	Operational		
			2	DALE-PERKINS	0.560	0.450	3,131.000						26-Feb-01	Operational		
			6	DALE-PERKINS	0.560	0.450	47,629.000						7-May-14	Operational		
			7	DALE-PERKINS	0.560	0.450	45,181.000						31-May-14	Operational		
			Sub-total (owned)		2.240	1.800										
			Total		2.240	1.800										
			Total Catanduanes (NPC) Grid :													
20	VIGA DPP, Catanduanes (24 hours operation) (FICELCO)		1	DALE-PERKINS	0.560	0.400	28,606.170						2-May-03	Operational		
			2	CUMMINS	0.500	0.350	1,801.910						31-Aug-12	Operational		
			3	CUMMINS	0.500	0.350	1,899.310						31-Aug-12	Operational		
			4	DALE-PERKINS	0.560	0.420	30,606.750						3-May-03	Operational		
Sub-total		2.120	1.520													
Total Catanduanes (NPC) Grid :		6.160	5.120													
NPP	Sun West Water & Electric Corp. (Hitoma 1)		1	Hydro	1.500	1.150						2010	Operational			
NPP	Sun West Water & Electric Corp. (Solong)		1	Hydro	2.100	1.690						2010	Operational			
NPP	Catanduanes Power Generation (CPG)		1	Bunker	3.600	2.880						2011	Operational			
Total Catanduanes Grid :		13.360	10.840													
21	PALUMBANES DPP, Catanduanes (8 hours operation) 4:00PM-12:00MN (FICELCO)		1	CUMMINS	0.022	0.018	2,739.300							2010	Operational	
			Total :		0.022	0.018										
22	RAPU-RAPU DPP, Albay (12 hours operation) 12:00NN-12:00MN (APEC)		1	DALE-PERKINS	0.163	0.140	37,024.880							1-Jan-05	Operational	
			2	DALE-PERKINS	0.163	0.145	38,312.220							7-Nov-96	Operational	
			5	MAN-DIESEL	0.500	0.000	17,565.830							24-Oct-07	Unoperational	Under maintenance/bogged down on October 3, 2015 due to defective crankshaft; awaiting for the availability of TS personnel; no date of restoration
			3	PERKINS	0.300	0.000	14.840							1-Nov-15	Unoperational	On-going testing
			4	PERKINS	0.300	0.000	12.430							1-Nov-15	Unoperational	On-going testing
Total :		0.826	0.285													
23	BATAN DPP, Albay (8 hours operation) 4:00PM-12:00MN (APEC)		1	DALE-PERKINS	0.163	0.130	38,990.000							1-Aug-91	Operational	
			2	PERKINS	0.300	0.000	0.000							23-Sep-15	Unoperational	Commissioning suspended by TPI; tentative schedule for final commissioning - March 1-7, 2016
			3	DALE-PERKINS	0.163	0.130	18,414.400							7-Nov-96	Operational	
Total :		0.326	0.260													
Masbate (Mainland) Grid																
NPP	DMCI Power Corporation		1	Bunker	24.400	21.200							2010	Operational		
Total Grid :		24.400	21.200													

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
19	24	TICAO DPP, Masbate (24 hours operation) (TISELCO) MONARK EQUIPMENT CORP. (RENTAL)	5	MAN	0.500	0.400	24,114.150						25-Jan-02	Operational		
			Sub-total (owned)		0.500	0.400										
			7	MONARK-(RENTAL)	1.600	1.300	25,298.610							26-Sep-12	Operational	Contracted Capacity: 1 MW Contract Period: 05 Jun 2015 to 04 Jun 2016
		Sub-total (rental)		1.600	1.300											
		Total :		2.100	1.700		1.442	0.423	0.778	0.258	1.666					
20	25	BURIAS DPP, Masbate (12 hours operation) 12:00PM-12:00MN (LGU San Pascual)	1	DALE-PERKINS	0.260	0.200	50,336.000						13-Nov-94	Operational		
			2	DALE-PERKINS	0.163	0.000	0.000						10-May-98	Unoperational	Defective under voltage relay	
			3	VOLVO	0.560	0.000	0.000						21-Sep-12	Unoperational	Under maintenance; awaiting for the availability of spare parts; no date of restoration	
			4	PERKINS	0.300	0.300	279.000						10-May-98	Operational		
		Total :		1.283	0.500		0.219	0.102	0.135	0.281	0.261					
21	26	GUINAWAYAN DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU - Placer)	1	FG WILSON	0.035	0.035	19,774.140						1-May-07	Operational		
			Total :		0.035	0.035		0.0205	0.0066	0.0145	0.0145	0.0205				
22	27	GILOTONGAN DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU - Cawayan)	1	FG WILSON	0.090	0.090	18,830.790						1-May-07	Operational		
			Total :		0.090	0.090		0.0697	0.0357	0.0471	0.0203	0.0785				
23	28	NABUCTOT DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU - Placer)	1	FG WILSON	0.025	0.025	18,502.620						1-May-07	Operational		
			Total :		0.025	0.025		0.0161	0.0071	0.0148	0.0089	0.0164				
24	29	PENA DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU - Cawayan)	1	FG WILSON	0.090	0.090	18,536.250						1-May-07	Operational		
			Total :		0.090	0.090		0.0400	0.0170	0.0275	0.0500	0.0410				
25	30	CHICO DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU - Cawayan)	1	FG WILSON	0.035	0.035	18,559.300						1-May-07	Operational	No operation due to stator rewinding, defective water pump, damaged rotating diodes; tentative restoration is on 13 March 2016	
			Total :		0.035	0.035		0.0000	0.0000	0.0000	0.0350	0.0200			Note: error entry in MOR - dependable capacity	
26	31	DANCALAN DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU San Pascual)	1	FG WILSON	0.080	0.065	6,869.100						27-May-12	Operational		
			Total :		0.080	0.065		0.0180	0.0050	0.0114	0.0470	0.0240				
27	32	MABABANGBAYBAY DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU-Claveria)	1	FG WILSON	0.060	0.050	7,759.000						24-Apr-12	Operational		
			Total :		0.060	0.050		0.0160	0.0060	0.0110	0.0340	0.0180				
28	33	MALAKING ILOG DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU San Pascual)	1	FG WILSON	0.060	0.050	9,033.600						9-Apr-12	Operational		
			Total :		0.060	0.050		0.0190	0.0060	0.0122	0.0310	0.0220				

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)					
29	34	OSMENIA DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU-Claveria)	1	FG WILSON	0.080	0.065	7,953.700	0.0270	0.0090	0.0185	0.0380	0.0350	10-Jul-12	Operational	
				Total :	0.080	0.065									
30	35	PENAFRANCIA DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU-Claveria)	1	FG WILSON	0.080	0.065	7,509.500	0.0000	0.0000	0.0000	0.0650	0.0180	10-Jun-12	Operational	No operation due to defective injection pump; no tentative date of restoration Note: error entry in MOR - dependable capacity
				Total :	0.080	0.065									
31	36	QUEZON DPP, Masbate (8 hours operation) 4:00PM-12:00MN (LGU-Claveria)	1	FG WILSON	0.060	0.050	7,912.400	0.0110	0.0060	0.0076	0.0390	0.0140	7-Jun-12	Operational	
				Total :	0.060	0.050									
32	37	LAHUY DPP, Camarines Sur (4 hours operation) 6:00PM-10:00PM (CASURECO IV)	1	CUMMINS	0.120	0.096	8,097.000	0.0490	0.0170	0.0412	0.0470	0.0500	6-Apr-09	Operational	
				Total :	0.120	0.096									
33	38	HAPONAN DPP, Camarines Sur (4 hours operation) 6:00PM-10:00PM (CASURECO IV)	1	CUMMINS	0.035	0.028	6,821.000	0.0000	0.0000	0.0000	0.0280	0.0000	29-Jul-09	Operational	No operation; on standby; CASURECO IV requested to stop its operation due to low collection efficiency
				Total :	0.035	0.028									
34	39	OUINALASAG DPP, Camarines Sur (8 hours operation) 4:00PM-12:00MN (CASURECO IV)	1	CUMMINS	0.150	0.120	9,281.000	0.0740	0.0120	0.0452	0.0460	0.0940	14-Dec-09	Operational	
				Total :	0.150	0.120									
35	40	ATULAYAN DPP, Camarines Sur (6 hours operation) 5:00PM-11:00PM (CASURECO IV)	1	CUMMINS	0.022	0.018	3,643.300	0.0062	0.0013	0.0043	0.0118	0.0071	1-Jun-14	Operational	
				Total :	0.022	0.018									
C. MINDORO/ROMBLON AREA:															
Oriental Mindoro Grid															
	NPP	Power One Corporation	1	Bunker	15.300	11.420							2012	Operational	
	NPP	Ormin Power, Inc.	1	Bunker	9.600	6.400							2011	Operational	
	NPP	Linao Mini Hydro (Lower Cascade)	1	Hydro	2.180	2.100							2012	Operational	
	NPP	Linao Mini Hydro (Upper Cascade)	1	Hydro	3.000	3.000							2012	Operational	
	NPP	Mindoro Grid Corporation (Calapan)	1	Diesel	6.600	5.000							2013	Operational	
	NPP	Mindoro Grid Corporation (Bongabong)	1	Diesel	6.600	5.000							2013	Operational	
	NPP	DMCI Power Corporation	1	Bunker	15.000	15.000							2015	Operational	
		Total Or. Mindoro Grid :			58.280	47.920									
Occidental Mindoro (San Jose) Grid															
41	41	PULANG LUPA DPP, Occidental Mindoro (24 hours operation) (OMECCO)	1	MONARK-(RENTAL)	7.200	6.000	20,722.060						1-Oct-13	Operational	Contracted Capacity: 6 MW Contract Period: 25 Sep 2015 to 24 Sep 2016
			2	MONARK	4.600	4.000	10,120.170						4-Dec-13	Operational	Contracted Capacity: 2.5 MW Contract Period: 13 Jun 2015 to 12 Jun 2016 (extended)
37	37	MONARK EQUIPMENT CORP. (RENTAL)	3	MONARK	3.500	2.500	3,802.340						17-Jun-15	Operational	Contracted Capacity: 4 MW (San Jose S/S) Contract Period: 24 Dec 2014 to 23 Jun 2016 (extended)
				Sub-total	15.300	12.500									
42	42	POWER BARGE 106, Occidental Mindoro (24 hours operation) (OMECCO)	4	DAIHATSU	3.600	1.000	84,647.300						1-Sep-92	Operational	
				Sub-total	3.600	1.000									
				Total Occ. Min. (San Jose) Grid :	18.900	13.500		12.500	6.662	8.103	1.000	12.500			

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)							
38	43	Occidental Mindoro (MAPSA) Grid MAMBURAO DPP, Occidental Mindoro (24 hours operation) (OMECCO) MONARK EQUIPMENT CORP. (RENTAL)	1	CAT-RENTAL	1.380	1.250	7,402.000						1-Jan-15	Operational	Contracted Capacity: 4 MW Contract Period: 18 Jan 2015 to 16 Aug 2016 (extended)		
			2	CAT-RENTAL	1.380	1.250	914.000						1-Jan-15	Operational			
			3	CAT-RENTAL	0.910	0.750	2,642.000						1-Jan-15	Operational			
			4	CAT-RENTAL	0.910	0.750	2,939.000						1-Jan-15	Operational			
			5	CAT-RENTAL	1.380	1.250	10,426.000						1-Jan-15	Operational			
				Total Occ. Min. (MAPSA) Grid :	5.960	5.250											
39	44	LUBANG DPP, Occidental Mindoro (24 hours operation) (LUBELCO)	1	CXZ-MAN	0.500	0.400	30,395.000						25-Mar-08	Operational			
			2	CXZ-MAN	0.500	0.400	33,355.000						25-Mar-08	Operational			
			3	CUMMINS	0.704	0.600	26,198.810						8-Jun-09	Operational			
			5	CUMMINS	0.724	0.550	96.400						14-Feb-16	Operational			
							Total :	2.428	1.950		0.680	0.300	0.397		1.270	0.880	
40	45	CABRA DPP, Occidental Mindoro (8 hours operation) 4:00AM-6:00AM/5:00PM-11:00PM (LUBELCO)	1	CUMMINS	0.060	0.055	2,891.230						1-Dec-12	Operational			
			2	CUMMINS	0.060	0.055	2,098.000						1-Dec-12	Operational			
			3	PERKINS	0.060	0.040	707.300						1-Jan-10	Operational			
							Total :	0.180	0.150		0.0388	0.0103	0.0223		0.1112	0.054	
41	46	TINGLOY DPP, Batangas (12 hours operation) 12:00NN-12:00MN (BATELEC II)	1	DALE-PERKINS	0.163	0.000	0.000						24-Dec-94	Unoperational	For decommissioning		
			2	DALE-PERKINS	0.260	0.150	25,900.970						24-Dec-94	Operational	Completed PMS last 18 Feb 2016		
			3	DALE-PERKINS	0.260	0.150	39,778.280						24-Dec-94	Operational	Resume its operation on 23 Feb 2016		
			4	MAN CXZ	0.500	0.375	25,741.870						24-Aug-09	Operational	Conducted PMS last Feb. 19-23, 2016		
							Total :	1.183	0.675		0.500	0.260	0.319		0.175	0.600	
42	47	Romblon (Mainland) Grid ROMBLON DPP, Romblon (24 hours operation) (ROMELCO)	1	TIDE-POWER	0.600	0.400	14,428.110						8-Oct-08	Operational			
			2	FG WILSON	0.600	0.400	25,508.180						10-Dec-08	Operational			
			3	FG WILSON	0.600	0.400	15,924.680						29-Nov-08	Operational			
			4	FG-WILSON	0.600	0.000	0.000						25-Apr-07	Unoperational	Unoperational due to defective crankshaft; for reinstallation: tentative restoration on April 2016		
							Sub-total (owned)	2.400	1.200								
			5	CAT-RENTAL	1.000	1.000	0.000							5-Jul-14	Operational	Contracted Capacity: 1 MW	
			6	CAT-RENTAL	0.500	0.500	0.000							5-Jul-14	Operational	Contract Period: 5 Jul 2014 to 4 Jan 2016 (expired already)	
							Sub-total (rental)	1.500	1.500								Note: error entry in MOR
							Total :	2.400	1.200								
			48	48	POWER BARGE 114, Romblon (24 hours operation) MONARK RENTAL (ROMELCO)	2	FG WILSON	0.650	0.400	18,497.300						1-Jun-09	Operational
4	FG WILSON	0.650				0.410	26,132.420						3-May-10	Operational			
							Sub-total (owned)	1.300	0.810								
5	CAT-RENTAL	0.500				0.400	1,180.000							6-Jan-16	Operational	Contracted Capacity: 0.6 MW	
6	CAT-RENTAL	0.500				0.400	1,170.000							6-Jan-16	Operational	Contract Period: 5 Jan 2016 to 4 Jan 2017	
7	CAT-RENTAL	0.500				0.400	11,306.000							6-Jan-16	Operational		
							Sub-total (rental)	1.500	1.200								
							Total :	2.800	2.010		1.533	0.556	0.588		1.677	1.774	
				Total Romblon (Mainland) Grid :	5.200	3.210											

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Grid No.	Plant No.	PLANT, PROVINCE (Operating Hours) Time of Operation (Distribution Utility)	GENSETS PARTICULARS				ACCUMULATED RUNNING HOURS	SYSTEM DEMAND			GROSS RESERVE (DEFICIENCY)	MAXIMUM SYTEM DEMAND (2016)	COMM'SNG DATE	STATUS	REMARKS	
			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
43	49	Romblon (Tablas Island) Grid	4	MAN	0.500	0.300	173,674.200						1-Dec-83	Operational		
		TABLAS DPP, Romblon (24 hours operation) (TIELCO)	5	MAN	0.500	0.400	173,547.500						1-Dec-83	Operational		
			6	MAN	0.500	0.400	107,312.120						1-Nov-83	Operational		
			Sub-total (owned)				1.500	1.100								
			MONARK EQUIPMENT CORP. (RENTAL)	2	RENTAL-CATERPILLAR	1.000	0.800	6,692.240						1-Mar-13	Operational	Contracted Capacity: 1.8 MW
				3	RENTAL-CATERPILLAR	1.500	1.000	6,672.190						6-Jul-14	Operational	Contract Period: 19 Apr 2015 to 18 Apr 2016
				4	RENTAL-CATERPILLAR	1.500	1.000	10,289.220						1-Mar-13	Operational	Contracted Capacity: 0.9 MW
				5	RENTAL-CATERPILLAR	0.600	0.500	8,331.760						1-Mar-13	Operational	Contract Period: 09 Aug 2015 to 08 Feb 2016 (no extension)
				Sub-total (rental)		4.600	3.300									
				Total :		6.100	4.400									
1	POWER BARGE 109, Romblon (24 hours operation) (TIELCO)		1	PERKINS	0.600	0.500	0.000						3-Dec-13	Operational		
			0	CUMMINS-2	0.540	0.400	0.000						16-Apr-10	Operational		
			3	FG WILSON	0.600	0.500	0.000						22-Sep-08	Operational		
			Sub-total		1.740	1.400										
			Total Tablas Is. (NPC) Grid :		7.840	5.800										
NPP	Sun West Water & Electric Corp. (SUWECO)	1	Hydro	8.800	8.000							2015	Operational			
		Total Tablas Is. Grid :		16.640	13.800		5.046	2.440	*	8.754	5.081			- No submitted data from NPP		
44	2	SIBUYAN DPP, Romblon (24 hours operation) (ROMELCO)	1	DALE-PERKINS	0.260	0.130	66,873.770						28-Mar-92	Operational		
			2	DALE-PERKINS	0.260	0.000	0.000						16-Jun-92	Unoperational	Unoperational since 06 January 2015; for generator rotor machining; awaiting for spare parts; no tentative date of restoration	
			4	DALE-PERKINS	0.163	0.130	58,783.490						2-May-97	Operational		
			6	Caterpillar	0.600	0.400	0.000						16-Feb-05	Operational		
			7	MAN	0.500	0.450	22,747.800						30-Dec-07	Operational		
			8	MAN	0.500	0.400	30,711.170						31-Dec-07	Operational		
			Sub-total		2.283	1.510		0.410	0.100	0.174		1.100	1.232			
			Total Grid :		3.183	2.410										
NPP	Cantingas Mini-Hydro Corporation	1	Hydro	0.900	0.900								Operational			
		Total Grid :		3.183	2.410											
45	3	BANTON DPP, Romblon (8 hours operation) 4:30AM-6:30AM/5:00PM-11:00PM (ROMELCO)	1	DALE-PERKINS	0.163	0.145	31,626.110						7-Apr-99	Operational		
			2	DALE-PERKINS	0.163	0.145	29,347.740						16-Apr-96	Operational		
			Total :		0.326	0.290		0.146	0.040	0.085		0.144	0.179			
46	4	SAN JOSE DPP, Romblon (12 hours operation) 4:00AM-6:00AM/1:00PM-11:00PM (TIELCO)	1	DALE-PERKINS	0.163	0.140	12,613.200						1-Dec-04	Operational		
			2	DALE-PERKINS	0.163	0.140	44,957.900						1-May-97	Operational		
			3	CATERPILLAR(228kW)	0.228	0.130	21,458.000						1-Jul-07	Operational		
			Total :		0.554	0.410		0.296	0.118	0.202		0.114	0.366			

0.145
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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
47	5	CORCUERA DPP, Romblon (16 hours operation) 4:30AM-6:30AM 8:00AM-3:00PM 5:00PM-12:00MN (LGU Corcuera)	2	DALE-PERKINS	0.163	0.133	23,166.940						30-Jan-97	Operational		
			3	MAN	0.500	0.420	21,232.260						20-Apr-07	Operational		
			Total :		0.663	0.553		0.286	0.145	0.181	0.267	0.365				
48	6	CONCEPCION DPP, Romblon (8 hours operation) 4:30AM-7:00AM/5:00PM-10:30PM (LGU Concepcion)	1	DALE-PERKINS	0.163	0.145	32,085.500						11-Mar-97	Operational		
			2	DALE-PERKINS	0.163	0.145	31,033.200						1-Jan-01	Operational		
			Total :		0.326	0.290		0.180	0.055	0.104	0.110	0.200				
D. PALAWAN AREA :																
Palawan (Mainland) Grid																
49	NPP	Palawan Power Generation, Inc. (Puerto Princesa)	1	Bunker	14.000	7.270							2008 & 2010	Operational		
			1	Bunker	5.000	4.500							2008 & 2010	Operational		
			1	Diesel	31.450	20.880								2013	Operational	
			1	Delta P	16.000	13.500								2009	Operational	
			Total Palawan (Mainland) Grid :		66.450	46.150										
50	7	EL NIDO DPP, Palawan (24 hours operation) (PALECO) MONARK EQUIPMENT CORP. (RENTAL)	1	PERKINS	0.600	0.000	0.000						1-Mar-15	Unoperational	TPI Genset- on standby awaiting clearance for its commercial operation.	
			2	PERKINS	0.600	0.000	0.000						1-Mar-15	Unoperational	TPI Genset- on standby awaiting clearance for its commercial operation.	
			3	MAN	0.500	0.400	23,849.340						14-Apr-09	Operational		
			4	TIDE POWER	0.675	0.480	16,314.000						10-Sep-09	Operational		
			Sub-total (owned)		1.175	0.880										
			8	CAT-RENTAL	0.500	0.490	1,322.600							1-Apr-14	Operational	Contracted Capacity: 1 MW
			10	CAT-RENTAL	1.000	0.950	4,782.600							4-May-15	Operational	Contract Period: 19 Apr 2015 to 18 Apr 2016
			11	CAT-RENTAL	1.000	0.850	7,051.800							4-May-15	Operational	
			Sub-total (rental)		2.500	2.290										
			Total :		3.675	3.170		1.895	0.886	1.269	1.275	2.166				
			51	8	TAYTAY DPP, Palawan (24 hours operation) (PALECO) MONARK EQUIPMENT CORP. (RENTAL)	2	DALE-PERKINS	0.260	0.180	39,671.000						20-May-92
3	MAN CXZ	0.500				0.400	29,204.270						4-Jun-09	Operational		
Sub-total (owned)		0.760				0.580										
5	MONARK-RENTAL	0.455				0.450	6,152.000							2-Oct-14	Operational	Contracted Capacity: 0.6 MW
6	MONARK-RENTAL	0.455				0.450	5,908.000							2-Oct-14	Operational	Contract Period: 02 Apr 2015 to 01 Apr 2016
Sub-total :		0.910				0.900		0.785	0.310	0.499	0.695	0.871				
Total :		1.670	1.480													
52	9	SAN VICENTE DPP, Palawan (24 hours operation) (PALECO)	1	DALE-PERKINS(PAL)	0.163	0.120	35,416.580						19-Jan-95	Operational		
			2	CUMPER-LGU	0.300	0.250	5,792.880						23-Dec-14	Operational		
			3	DALE-PERKINS(PAL)	0.260	0.220	75,481.150						22-Apr-02	Operational		
			4	MAN CXZ	0.500	0.400	39,814.790						14-Nov-08	Operational		
			Total :		1.223	0.990		0.555	0.195	0.346	0.435	0.578				
53	10	RIZAL DPP, Palawan (24 hours operation) (PALECO)	1	DALE-PERKINS	0.260	0.230	45,740.030						3-Aug-93	Operational		
			2	JOHN DEERE-CUMPER	0.256	0.210	32,207.900						17-Dec-07	Operational		
			3	DALE-PERKINS	0.163	0.130	26,867.040						3-Aug-93	Operational		
			4	FG WILSON-PERKINS	0.300	0.265	576.180						29-Dec-15	Operational		
			Total :		0.979	0.835		0.295	0.111	0.161	0.540	0.346				

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)					
Other Islands in Palawan															
54	NPP	Calamian Island Power Corp. (Busuanga)	1	Diesel	8.120	7.720							2013	Operational	
	NPP	Calamian Island Power Corp. (Coron)	1	Diesel	0.700								2013	Operational	
		Total :			8.820	7.720									
55	QTP	Power Source Philippines, Rio Tuba	1	Diesel	1.690	0.590							2010	Operational	
		Total :			1.690	0.590									
56	11	CULION DPP, Palawan (24 hours operation) (BISELCO)	1	DALE-PERKINS	0.163	0.150	46,389.270						29-Aug-98	Operational	
			2	DALE-PERKINS	0.260	0.200	72,227.630						12-Dec-92	Operational	
			3	DALE-PERKINS	0.260	0.200	80,845.860						26-Feb-15	Operational	
			4	DALE-PERKINS	0.260	0.200	73,642.470						26-Feb-15	Operational	
			5	FG-WILSON	0.260	0.120	7,919.300						6-Jun-08	Operational	
				Total :			1.203	0.870		0.390	0.105	0.245	0.480	0.430	
57	12	LINAPACAN DPP, Palawan (12 hours operation) 12:00NN-12:00MN (BISELCO)	2	VISA-PERKINS	0.054	0.045	20,019.530						19-Sep-02	Operational	
			3	PERKINS	0.105	0.000	13,573.890						17-Sep-11	Unoperational	For replacement of defective injection pump assembly and repair of water pump. No date of restoration
			4	DALE-PERKINS	0.163	0.150	33,512.890						9-Feb-92	Operational	
				Total :			0.322	0.195		0.092	0.040	0.076	0.103	0.099	
58	13	CUYO DPP, Palawan (24 hours operation) (PALECO)	1	MAN-CXZ	0.500	0.400	38,736.620						1-Apr-08	Operational	
			2	MAN-CXZ	0.500	0.400	30,334.530						1-Apr-08	Operational	
			3	MAN-CXZ	0.500	0.400	39,084.170						1-Apr-08	Operational	
			4	MAN-CXZ	0.500	0.400	41,437.530						1-Apr-08	Operational	
				Total :			2.000	1.600		1.080	0.405	0.628	0.520	1.230	
59	14	ARACELI DPP, Palawan (16 hours operation) 9:00AM-1:00AM (PALECO)	1	DALE-PERKINS	0.163	0.150	59,432.500						19-Jun-95	Operational	
			2	DALE-PERKINS	0.163	0.150	16,151.580						16-Jul-93	Operational	
			3	DALE-PERKINS	0.260	0.250	42,717.240						9-Feb-92	Operational	
				Total :			0.586	0.550		0.145	0.045	0.085	0.405	0.156	
60	15	BALABAC DPP, Palawan (8 hours operation) 4:00PM-12:00MN (PALECO)	1	DALE-PERKINS	0.163	0.150	20,854.560						1-Apr-03	Operational	
			2	DALE-PERKINS	0.163	0.150	42,892.980						5-Feb-97	Operational	
				Total :			0.326	0.300		0.164	0.062	0.126	0.136	0.167	
61	16	CAGAYANCILLO DPP, Palawan (8 hours operation) 4:00PM-12:00MN (PALECO)	1	DALE-PERKINS	0.163	0.160	41,268.350					14-Aug-97	Operational		
		Total :			0.163	0.160		0.120	0.030	0.077	0.040	0.133			
62	17	AGUTAYA DPP, Palawan (8 hours operation) 4:00PM-12:00MN (PALECO)	1	DALE-PERKINS	0.163	0.150	4,288.910						20-Dec-10	Operational	
			2	DALE-PERKINS	0.163	0.150	29,718.300						5-Jun-98	Operational	
				Total :			0.326	0.300		0.097	0.035	0.063	0.203	0.097	

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)					
II. SPUG - VISAYAS :															
A. WESTERN VISAYAS AREA:															
63	NPP	Bantayan Island Power Corporation	1	Bunker	8.340	4.890						2015	Operational		
				Total :	8.340	4.890									
64	QTP	Power Source Philippines (Malapascua, Cebu)	1	Diesel/Solar	1.050	0.930						2014	Operational		
				Total :	1.050	0.930									
18		GUINTARCAN DPP, Cebu (8 hours operation) 4:00PM-12:00MN (BANELCO)	1	KUMATSU	0.100	0.080	11,169.480					21-Sep-07	Operational		
65			2	DALE-PERKINS	0.163	0.120	34,746.580					5-Mar-93	Operational		
				Total :	0.263	0.200		0.120	0.045	0.075	0.080				
19		DOONG DPP, Cebu (8 hours operation) 4:00PM-12:00MN (BANELCO)	1	DALE-PERKINS	0.163	0.114	27,897.000					25-Apr-93	Operational		
66			2	DALE-PERKINS	0.163	0.114	28,603.410					25-Apr-93	Operational		
				Total :	0.326	0.228		0.185	0.056	0.082	0.043				
Siquijor Grid															
	NPP	Siquijor Island Power Corporation	1	Bunker	6.464	6.464						10-Feb-15	Operational		
				Total :	6.464	6.464									
20		SIGUIJOR DPP, Siquijor	1	MAN	0.500	0.000	7,612.970					1-Apr-84	Unoperational	Operations taken over by NPP-SIPCOR last February 10, 2015.	
			2	MAN	0.500	0.000	11,331.570					1-Apr-84	Unoperational		
			3	MAN	0.500	0.000	5,247.480					1-Apr-84	Unoperational		
				Total :	1.500	0.000		0.000	0.000	0.000	0.000				
21		POWER BARGE 116	1	DALE-PERKINS	0.560	0.000	48,731.010					17-Jun-93	Unoperational		
			2	DALE-PERKINS	0.560	0.000	41,205.570					17-Jun-93	Unoperational		
			3	DALE-PERKINS	0.560	0.000	16,674.330					6-Dec-93	Unoperational		
			7	PERKINS	0.600	0.000	3,411.390					1-Dec-13	Unoperational		
				Total :	2.280	0.000		0.000	0.000	0.000	0.000				
22		GIGANTES DPP, Iloilo (8 hours operation) 3:00PM - 11:00PM (IECO III)	1	DALE-PERKINS	0.163	0.114	24,969.090					17-Apr-97	Operational		
68			2	DALE-PERKINS	0.163	0.114	20,835.940					23-Aug-07	Operational		
				Total :	0.326	0.228		0.150	0.042	0.109	0.078				
23		CALUYA DPP, Antique (24 hours operation) (ANTECO)	1	DALE-PERKINS	0.163	0.114	39,794.990					21-Sep-92	Operational		
			2	DALE-PERKINS	0.163	0.114	41,422.120					21-Sep-92	Operational		
			5	CUMMINS-STAMFORD	0.364	0.000	5,615.500					8-May-14	Unoperational	LGU owned genset; unoperational since September 2015 due to defective exciter rotor; for replacement of generator; tentative date of restoration - last week of March 2016	
69			6	CUMMINS-FILGEN	0.320	0.224	2,776.500					30-May-15	Operational		
			7	CUMMINS-FILGEN	0.320	0.224	1,471.030					30-May-15	Operational		
				Total :	1.330	0.676		0.290	0.110	0.160	0.386				

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
70	24	B. EASTERN VISAYAS AREA: CAMOTES DPP, Cebu (24 hours operation) (CELCO)	1	MAN B&W	0.300	0.180	153,983.360						8-Feb-88	Operational		
			2	MAN B&W	0.300	0.150	140,955.520							8-Feb-88	Operational	
			3	DALE-PERKINS	0.560	0.300	26,967.970							1-Nov-04	Operational	
			5	MAN CXZ	0.528	0.500	95,522.970							2-Mar-02	Operational	
			6	MAN CXZ	0.500	0.350	64,145.910							2-May-07	Operational	
			7	MAN	0.500	0.380	48,029.150							1-Dec-13	Operational	
			Sub-total					2.688	1.860		1.176	0.678	0.845	0.684	1.555	
71	25	POWER BARGE 113, Cebu back-up (CELCO)	1	mitsubishi	0.750	0.350	14,360.400						7-Sep-08	Operational		
			2	mitsubishi	0.750	0.450	20,209.900							14-Jul-08	Operational	
			6	PERKINS	0.600	0.450	5,686.390							1-Dec-13	Operational	
			Sub-total					2.100	1.250		1.225	0.393	0.403	0.025	1.225	
Total-Grid					4.788	3.110										
71	26	PILAR DPP, Cebu (18 hours operation) 11:00AM-5:00AM (CELCO)	1	DALE-PERKINS	0.163	0.114	42,225.840							3-Nov-93	Operational	
			2	DALE-PERKINS	0.163	0.114	40,729.600							3-Nov-93	Operational	
			3	DALE-PERKINS	0.250	0.175	38,462.600							13-Dec-04	Operational	
			Total :					0.576	0.403		0.300	0.080	0.161	0.103	0.380	
72	27	MARIPUPI DPP, Biliran (12 hours operation) 12:00PM-12:00MN (MMPC)	1	DALE-PERKINS	0.163	0.144	45,412.690							26-Sep-94	Operational	
			2	DALE-PERKINS	0.163	0.114	43,683.390							26-Sep-94	Operational	
			3	CUMMINS	0.150	0.105	13,283.840							19-Oct-98	Operational	
			Total :					0.476	0.363		0.185	0.070	0.113	0.178	0.227	
73	28	LIMASAWA DPP, Leyte (12 hours operation) 1:00PM-1:00AM (SOLECO)	1	DALE-PERKINS	0.163	0.120	37,034.770							26-Jul-95	Operational	
			2	DALE-PERKINS	0.163	0.120	20,978.700							24-Jul-02	Operational	
			Total :					0.326	0.240		0.130	0.060	0.091	0.110	0.175	
74	29	ZUMARRAGA DPP, Western Samar (24 hours operation) (SAMELCO II)	1	DALE-PERKINS	0.163	0.114	55,851.000							14-Jun-94	Operational	
			2	DALE-PERKINS	0.163	0.114	30,086.500							13-Sep-94	Operational	
			3	DALE-PERKINS	0.163	0.114	284.160							14-Jun-09	Operational	
			4	PERKINS	0.100	0.070	6,637.280							1-Mar-09	Operational	
Total :					0.589	0.412		0.277	0.087	0.128	0.135	0.300				
75	30	TAGAPUL-AN DPP, Western Samar (8 hours operation) 4:00PM-12:00MN (SAMELCO I)	1	DALE-PERKINS	0.163	0.114	19,319.520							3-Aug-96	Operational	
			2	DALE-PERKINS	0.100	0.000	0.000							8-Feb-09	Unoperational	Unoperational since 19 June 2014 due to defective injection pump; tentative date of restoration is on April 2016 or upon the availability of TS personnel
			Total :					0.263	0.114		0.080	0.027	0.061	0.034	0.094	
76	31	ALMAGRO DPP, Western Samar (8 hours operation) 4:00PM-12:00MN (SAMELCO I)	1	PERKINS	0.163	0.114	32,476.430							5-Apr-97	Operational	
			3	DALE-PERKINS	0.100	0.080	9,756.650							18-Sep-09	Operational	
			Total :					0.263	0.194		0.076	0.020	0.054	0.118	0.101	
77	32	STO. NINO DPP, Western Samar (8 hours operation) 3:30PM-11:30PM	1	DALE-PERKINS	0.163	0.139	26,115.400							28-Feb-97	Operational	
			3	DALE-PERKINS	0.100	0.000	0.000							12-Mar-09	Unoperational	Transferred to Libucan DPP last 29 May 2015 Note: error entry in MOR
			Total :					0.163	0.139		0.112	0.027	0.077	0.027	0.135	
78	33	SAN ANTONIO DPP, Northern Samar (18 hours operation) 12:00NN-6:00AM (NORSAMELCO)	1	DALE-PERKINS	0.163	0.115	40,444.350							1-Nov-96	Operational	
			2	DALE-PERKINS	0.250	0.174	41,620.640							1-Nov-96	Operational	
			3	DALE-PERKINS	0.163	0.000	0.000							5-Jun-05	Unoperational	Under maintenance last 27 July 2015 (overdue for PMS); rotor and stator for rewinding; spare parts still not available; No date of restoration
Total :					0.576	0.289		0.166	0.032	0.070	0.123	0.267				

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Grid No.	Plant No.	PLANT, PROVINCE (Operating Hours) Time of Operation (Distribution Utility)	GENSETS PARTICULARS				ACCUMULATED RUNNING HOURS	SYSTEM DEMAND			GROSS RESERVE (DEFICIENCY)	MAXIMUM SYSTEM DEMAND (2016)	COMM'NG DATE	STATUS	REMARKS
			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)					
79	34	CAPUL DPP, Northern Samar (8 hours operation) 4:00PM-12:00MN (NORSAMELCO)	1	DALE-PERKINS	0.163	0.114	31,843.700						1-Jul-95	Operational	
			2	DALE-PERKINS	0.163	0.114	31,015.760						1-Jul-95	Operational	
			Total :		0.326	0.228		0.205	0.080	0.148	0.023	0.254			
80	35	SAN VICENTE DPP, Northern Samar (8 hours operation) 5:00PM-1:00AM (NORSAMELCO)	1	DALE-PERKINS(VIS)	0.163	0.160	26,458.990						26-May-97	Operational	
			2	PERKINS(VIS)	0.100	0.098	11,283.350						12-Mar-09	Operational	
			Total :		0.263	0.258		0.078	0.042	0.057	0.180	0.085			
81	36	BIRI DPP, Northern Samar (12 hours operation) 12:00NN-12:00MN (NORSAMELCO)	1	DALE-PERKINS	0.163	0.114	30,485.620						4-Dec-97	Operational	
			2	DALE-PERKINS	0.163	0.114	36,710.440						6-Dec-97	Operational	
			3	DALE PERKINS	0.163	0.114	17,230.200						12-Aug-09	Operational	On standby; awaiting for the availability of spare generator stator.
			Total :		0.489	0.342		0.174	0.048	0.096	0.168	0.228			
82	37	BATAG DPP, Northern Samar (6 hours operation) 5:00PM-11:00PM (NORSAMELCO)	1	CUMMINS	0.050	0.049	0.000						19-Mar-13	Operational	On standby; due to damaged distribution line by Typhoon Nona; no date of restoration
			Total :		0.050	0.049		0.000	0.000	0.000	0.049	0.030			
83	38	BAGONGBANWA DPP, Bohol (8 hours operation) 4:00PM-12:00MN (BOHECO I)	1	PERKINS	0.038	0.027	31,591.000						23-Dec-99	Operational	
			Total :		0.038	0.027		0.0212	0.0039	0.0167	0.0054	0.0241			
84	39	BALICASAG DPP, Bohol (8 hours operation) 4:00PM-12:00MN (BOHECO I)	1	PERKINS	0.038	0.027	31,830.920						23-Dec-99	Operational	
			Total :		0.038	0.027		0.0260	0.0140	0.0251	0.0006	0.0270			
85	40	BATASAN DPP, Bohol (8 hours operation) 4:00PM-12:00MN (BOHECO I)	1	PERKINS	0.056	0.039	34,254.500						23-Dec-99	Operational	
			Total :		0.056	0.039		0.0135	0.0036	0.0103	0.0257	0.0291			
86	41	BILANGBILANGAN DPP, Bohol (4 hours operation) 6:00PM-10:00MN (BOHECO I)	1	PERKINS	0.020	0.014	28,729.250						23-Dec-99	Operational	
			Total :		0.020	0.014		0.0074	0.0021	0.0064	0.0066	0.0093			
87	42	CUAMING DPP, Bohol (8 hours operation) 4:00PM-12:00MN (BOHECO I)	1	PERKINS	0.086	0.060	31,132.660						23-Oct-99	Operational	
			Total :		0.086	0.060		0.0410	0.0150	0.0309	0.0192	0.0410			
88	43	HAMBONGAN DPP, Bohol (4 hours operation) 6:00PM-10:00PM (BOHECO I)	1	PERKINS	0.020	0.014	28,585.700						23-Dec-99	Operational	
			Total :		0.020	0.014		0.0094	0.0038	0.0090	0.0046	0.0099			
89	44	MANTATAO DPP, Bohol (4 hours operation) 6:00PM-10:00PM (BOHECO I)	1	PERKINS	0.038	0.027	27,849.710						23-Dec-99	Operational	
			Total :		0.038	0.027		0.0160	0.0080	0.0151	0.0106	0.0170			
90	45	MOCABOC DPP, Bohol (5 hours operation) 6:00PM-11:00PM (BOHECO I)	1	CUMMINS	0.020	0.014	32,236.000						23-Dec-99	Operational	
			Total :		0.020	0.014		0.0103	0.0029	0.0091	0.0037	0.0153			

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)					
91	46	PAMILACAN DPP, Bohol (8 hours operation) 4:00PM-12:00MN (BOHECO I)	1	PERKINS	0.056	0.039	32,343.670					23-Dec-99	Operational		
				Total :	0.056	0.039		0.0260	0.0130	0.0247	0.0132	0.0290			
92	47	PANGAPASAN DPP, Bohol (5 hours operation) 6:00PM-11:00PM (BOHECO I)	1	PERKINS	0.015	0.014	28,989.000					23-Dec-99	Operational		
				Total :	0.015	0.014		0.0123	0.0046	0.0092	0.0012	0.0130			
93	48	UBAY DPP, Bohol (5 hours operation) 6:00PM-11:00PM (BOHECO I)	1	KUBOTA	0.012	0.008	7,238.000					23-Dec-99	Operational		
				Total :	0.012	0.008		0.0048	0.0020	0.0034	0.0036	0.0049			
94	49	CABUL-AN DPP DPP, Bohol (6 hours operation) 6:00PM-12:00MN (BOHECO I)	1	CUMMINS	0.064	0.056	3,830.400					14-Nov-13	Operational		
				Total :	0.064	0.056		0.0550	0.0220	0.0447	0.0013	0.0550			
III. SPUG - MINDANAO :															
A. WESTERN MINDANAO AREA:															
Basilan Grid															
95	50	BASILAN DPP, Basilan (24 hours operation) (BASELCO)	1	CKD	1.224	0.800	19,832.000					7-Sep-98	Operational		
			4	CUMMINS	0.545	0.430	4,899.160					3-Aug-11	Operational		
			5	CUMMINS	0.545	0.430	6,959.140					3-Aug-11	Operational		
			6	CUMMINS	0.545	0.430	5,618.240					3-Aug-11	Operational		
				Sub-total (owned)	2.859	2.090						25-Sep-13			
		MONARK EQUIPMENT CORP. (RENTAL)	7	CATERPILLAR-RENTAL	1.500	1.000	19,258.000					25-Sep-13	Operational	Contracted Capacity: 2 MW	
			8	CATERPILLAR-RENTAL	1.500	1.000	16,709.640					25-Sep-13	Operational	Contract Period: 01 Aug 2015 to 31 Jul 2016	
			9	CATERPILLAR-RENTAL	1.500	1.000	22,169.600					25-Sep-13	Operational		
			13	CATERPILLAR-RENTAL	0.600	0.500	5,562.000					25-Sep-13	Operational	Contracted Capacity: 1.5 MW	
				Sub-total (rental)	5.100	3.500								Contract Period: 04 Dec 2015 to 03 Dec 2016	
				Total :	7.959	5.590									
95	51	POWER BARGE 119, Basilan (24 hours operation) (BASELCO)	1	DAIHATSU	1.800	1.300	84,058.270					1-Jun-95	Operational		
			3	DAIHATSU	1.800	1.300	116,753.460					1-Jun-95	Operational		
			4	DAIHATSU	1.800	1.300	112,040.450					1-Jun-95	Operational	PMS completed; resume its commercial operation on 18 Feb 2016	
				Sub-total	5.400	3.900									
				Total Basilan Grid :	13.359	9.490		7.850	4.865	*	1.640	7.850		no data from Coop Mini Hydro	
96	52	JOLO DPP, Sulu (24 hours operation) (SULECO)	1	DAIHATSU	1.800	1.150	143,990.660					1-May-95	Operational		
			3	DAIHATSU	1.800	1.200	153,394.590					2-May-95	Operational		
				Sub-total (owned)	3.600	2.350									
		MONARK EQUIPMENT CORP. (RENTAL)	5	CAT	1.500	1.100	5,503.370					22-Oct-08	Operational	Contracted Capacity: 3 MW	
			6	CAT	1.500	1.100	11,363.050					26-Dec-12	Operational	Contract Period: 17 Jan 2016 to 16 Jan 2017 (extended)	
			7	CAT	1.500	1.100	2,125.860					26-Dec-12	Operational		
			8	CAT-RENTAL	1.500	1.100	6,994.590					1-Jun-14	Operational	Contracted Capacity: 3 MW	
			9	CAT-RENTAL	1.500	1.100	11,663.900					1-Jun-14	Operational	Contract Period: 25 Jul 2015 to 24 Jul 2016	
			10	CAT-RENTAL	1.500	1.100	6,110.950					5-Mar-14	Operational		
			11	CAT-RENTAL	0.600	0.480	8,343.890					1-Jun-14	Operational		
			12	CAT-RENTAL	0.600	0.480	7,259.580					1-Sep-14	Operational		
				Sub-total (rental)	10.200	7.560									
				Total :	13.800	9.910		8.180	3.260	5.858	1.730	8.230			

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)							
97	53	LUUK DPP, Sulu (8 hours operation) 6:00PM-2:00AM (SULECO)	1	CAT	0.175	0.000	0.000						14-Jun-06	Unoperational	Under Preventive Maintenance Schedule; no tentative date of restoration; SULECO requested to stop the operation of Luuk DPP last 10 Oct 2015 due to low collection efficiency		
			3	CUMMINS	0.150	0.000	0.000						14-Jun-06	Unoperational			
			Total :		0.325	0.000		0.000	0.000	0.000	0.000	0.000					
98	54	SIASI DPP, Sulu (24 hours operation) (SIASECO)	3	PERKINS	0.600	0.600	3,380.570						30-Apr-14	Operational			
			4	DALE-PERKINS	0.260	0.180	45,572.640						1-Oct-91	Operational			
			5	MAN - DIESEL	0.500	0.380	29,930.690						24-May-08	Operational			
			6	MAN-DIESEL	0.500	0.380	30,023.830						25-May-08	Operational			
			Total :		1.860	1.540		0.660	0.220	0.459	0.880	0.680					
Tawi-Tawi (Mainland) Grid																	
99	55	BONGAO DPP, Tawi-Tawi (24 hours operation) (TAWELCO) MONARK EQUIPMENT CORP. (RENTAL)	3	PERKINS	0.544	0.000	0.000						6-Feb-09	Unoperational	Dilution of oil water in the crankcase; no tentative date of restoration; PR still on process		
			4	PERKINS	0.544	0.450	10,031.950						7-Feb-09	Operational			
			Sub-total (owned)		1.088	0.450											
			5	CAT-RENTAL	1.500	1.100	1,020.000							29-Jun-14		Operational	Contracted Capacity: 1.5 MW Contract Period: 29 Mar 2015 to 28 Mar 2016
			6	CAT-RENTAL	0.454	0.450	897.000							29-Jun-14		Operational	
			Sub-total (rental)		1.954	1.550											
Total		3.042	2.000														
100	56	POWER BARGE 108, Tawi-Tawi (24 hours operation) (TAWELCO)	1	DAIHATSU	1.800	0.000	88,257.200						1-Mar-92	Unoperational	Unoperational since 01 Sep 2015; for test and commissioning after PMS; reconditioning of connecting rod bore (big end) back; tentative date of restoration - last week of March 2016		
			2	DAIHATSU	1.800	1.200	47,818.250						1-Mar-92	Operational			
			3	DAIHATSU	1.800	1.200	93,093.780						1-Mar-92	Operational			
			Sub-total		5.400	2.400											
			Total Bongao Grid :		8.442	4.400		3.200	0.850	1.274	1.200	3.760					
101	57	BALIMBING DPP, Tawi-Tawi (16 hours operation) Weekdays 2:00 PM-6:00AM Weekends 12:00NN-4:00AM (TAWELCO)	1	DALE-PERKINS	0.163	0.140	95,406.920						13-Jan-97	Operational			
			2	DALE-PERKINS	0.163	0.140	24,953.500						1-Jul-98	Operational			
			3	CUMMINS	0.150	0.120	3,454.000						12-Oct-11	Operational			
			4	CUMMINS	0.250	0.190	6,325.300						4-Mar-11	Operational			
			Total :		0.726	0.590		0.210	0.085	0.112	0.380	0.210					
102	58	TANDUBAS DPP, Tawi - Tawi (8 hours operation) From 4:00PM-12:00MN (TAWELCO)	3	CUMMINS	0.150	0.145	12,093.060						6-Aug-09	Operational			
			Total :		0.150	0.145		0.144	0.070	0.108	0.001	0.144					
			Total :		0.150	0.145		0.144	0.070	0.108	0.001	0.144					
102	59	SIBUTU DPP, Tawi-Tawi (8 hours operation) From 4:00PM-12:00MN (TAWELCO)	1	DALE-PERKINS	0.163	0.140	37,732.120						2-Nov-98	Operational			
			2	DALE-PERKINS	0.163	0.140	24,973.580						12-Apr-03	Operational			
			Total :		0.326	0.280		0.280	0.085	0.173	0.000	0.280					

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)						
103	60	SITANGKAY DPP, Tawi-Tawi (8 hours operation) 6:00PM-2:00AM (TAWELCO)	1	CUMMINS	0.280	0.200	1,951.100						19-Aug-09	Operational		
			3	PERKINS 2800	0.544	0.450	2,561.590						27-Feb-10	Operational		
			Total :		0.824	0.650		0.302	0.158	0.247	0.348	0.330				
104	61	MANUK-MANGKAW DPP, Tawi Tawi (6 hours operation) 6:00PM-12:00MN (TAWELCO)	1	DALE-PERKINS	0.163	0.150	36,749.410						14-Jul-97	Operational		
			Total :		0.163	0.150		0.095	0.040	0.090	0.055	0.100				
105	62	WEST SIMUNUL DPP, Tawi-Tawi (8 hours operation) 4:00PM-12:00MN (TAWELCO)	2	CUMMINS-2	0.250	0.215	6,971.900						10-Aug-09	Operational		
			3	DALE-PERKINS	0.260	0.240	50,689.390						25-Sep-02	Operational		
			4	PERKINS	0.163	0.150	7,854.670						30-Mar-11	Operational		
			Total :		0.673	0.605		0.300	0.160	0.215	0.305	0.300				
106	63	CAG DE TAWI* DPP, Tawi-Tawi (8 hours operation) 6:00PM-2:00AM (CASELCO)	1	DALE-PERKINS	0.260	0.200	0.000						26-Sep-92	Operational		
			2	DALE-PERKINS	0.260	0.000	0.000						26-Sep-92	Unoperational	Defective alternator, for rewinding but lacking of mechanical parts. No date of restoration.	
			3	MAN	0.500	0.450	15,958.660						16-Oct-08	Operational		
			Total :		1.020	0.650		0.430	0.275	0.344	0.220	0.430				
107	64	TANDUBANAK DPP, Tawi-Tawi (8 hours operation) 5:00PM-1:00AM (TAWELCO)	1	Cummins	0.275	0.190	0.000						22-Aug-09	Operational		
			2	CUMMINS	0.160	0.100	0.000						22-Aug-09	Operational		
			Total :		0.435	0.290		0.188	0.070	0.140	0.102	0.188				
108	65	SACOL DPP, Zamboanga (8 hours operation) 4:00PM-12:00MN (ZAMCELCO)	1	CUMMINS	0.150	0.135	16,766.450						6-Sep-08	Operational		
			Total :		0.150	0.135		0.085	0.046	0.073	0.050	0.087				
109	66	B. EASTERN MINDANAO AREA: Dinagat Grid DINAGAT DPP, Dinagat (24 hours operation) (DIELCO) MONARK EQUIPMENT CORP. (RENTAL)	1	MAN	0.500	0.380	25,133.570						22-Sep-09	Operational		
			2	MAN	0.500	0.380	23,858.740						22-Sep-09	Operational		
			3	CUMPER-PERKINS	0.275	0.190	36,161.400						27-Feb-05	Operational		
			4	CUMPER	0.275	0.190	39,613.610						17-Jul-05	Operational		
			5	CUMPER	0.275	0.190	36,470.830						25-Nov-04	Operational		
			6	CUMPER	0.275	0.190	37,624.840						24-Nov-04	Operational		
			7	CUMPER	0.275	0.190	39,832.540						17-Jul-05	Operational		
			Sub-total (owned)		2.375	1.710										
			9	CAT-RENTAL	0.680	0.540	4,128.400							1-Dec-14	Operational	Contracted Capacity: 2 MW
			10	CAT-RENTAL	0.455	0.375	3,031.600							1-Dec-14	Operational	Contract Period: 03 Feb 2015 to 02 Aug 2016 (extended)
			11	CAT-RENTAL	0.680	0.540	5,350.400							1-Dec-14	Operational	
			12	CAT-RENTAL	1.000	0.800	7,774.800							1-Dec-14	Operational	
			13	CAT-RENTAL	0.600	0.450	9,858.500							1-Jan-15	Operational	
			Sub-total (rental)		3.415	2.705										
Total		5.790	4.415													
109	67	LORETO DPP, Dinagat Back-Up/On Standby (DIELCO)	3	MANS	0.500	0.380	12,720.300						6-Oct-07	Operational		
			Sub-total		0.500	0.380										
Total Dinagat Grid :		6.290	4.795		2.563	0.960	1.507	2.232	3.063							
110	68	HIKDOP DPP, Surigao del Norte (7 hours operation) 5:00PM-12:00MN (SURNECO)	1	DALE-PERKINS	0.163	0.155	37,852.970						5-Sep-93	Operational		
			2	CUMMINS	0.120	0.106	7,086.310						6-Oct-10	Operational		
			Total :		0.283	0.261		0.103	0.040	0.077	0.158	0.113				

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			UNIT NO.	MAKE	RATED (MW)	DEP. (MW)		MAX (MW)	MIN (MW)	AVE (MW)							
111	69	KALAMANSIG DPP, Sultan Kudarat (24 hours operation) (SUKELCO) HASTINGS MOTOR CORP. (RENTAL)	1	EG WILSON PERKINS	0.600	0.400	21,774.560						12-Jul-09	Operational			
			3	PERKINS	0.600	0.400	14,221.750						5-May-11	Operational			
			4	PERKINS	0.540	0.000	0.000						11-Jul-09	Unoperational	Unoperational due to defective engine crankshaft: no tentative date of restoration; PR still on process at NPC Head Office for the replacement parts		
			5	DALE PERKINS	0.260	0.150	94,345.280						1-Mar-97	Operational			
			6	PERKINS	0.560	0.300	61,571.860						11-Jul-09	Operational			
			7	DALE PERKINS	0.260	0.150	84,344.310						1-Apr-97	Operational			
				Sub-total (owned)	2.820	1.400											
			9	KOMATSU	0.320	0.250	16,917.240							21-Aug-13	Operational	Contracted Capacity: 1 MW	
			10	KOMATSU	0.320	0.250	18,108.790							21-Aug-13	Operational	Contract Period: 21 Nov 2014 to 20 May 2016 (extended)	
			11	KOMATSU	0.320	0.250	18,517.010							21-Aug-13	Operational		
			12	KOMATSU	0.320	0.250	16,487.820							21-Aug-13	Operational	Contracted Capacity: 0.5 MW	
			13	KOMATSU	0.320	0.250	6,279.270							20-Jul-15	Operational	Contract Period: 25 Oct 2015 to 24 Apr 2016	
			14	KOMATSU	0.320	0.250	17,474.690							20-Jul-15	Operational		
			15	KOMATSU	0.320	0.250	701.200							20-Jul-15	Operational		
			16	KOMATSU	0.320	0.250	703.800							20-Jul-15	Operational		
				Sub-total (rental)	2.560	2.000											
	Total :	5.380	3.400				3.022	0.910	1.967	0.378	3.190						
112	70	NINYOY AQUINO DPP, Sultan Kudarat (14 hours operation) From 09:00AM-11:00PM (SUKELCO)	1	DALE PERKINS	0.163	0.145	45,120.730						27-Mar-98	Operational			
			2	DALE PERKINS	0.260	0.180	51,176.950						22-Mar-98	Operational			
			3	PERKINS	0.260	0.180	45,266.630						11-May-11	Operational			
			4	PERKINS	0.163	0.145	45,031.430						1-Feb-15	Operational			
				Total :	0.846	0.650		0.647	0.230	0.388	0.003	0.649					
113	71	PALIMBANG DPP, Sultan Kudarat (8 hours operation) 3:00PM-11:00PM (SUKELCO)	1	DALE PERKINS	0.163	0.150	39,949.660						28-Apr-99	Operational			
			2	Cummins	0.275	0.200	6,516.020						21-Dec-10	Operational			
			3	DALE PERKINS	0.260	0.160	0.000						12-May-13	Operational			
				Total :	0.698	0.510		0.308	0.047	0.226	0.202	0.341					
114	72	BALUT DPP, Davao del Sur (16 hours operation) 12:00NN-4:00AM (DASURECO)	1	DALE PERKINS	0.163	0.160	27,215.870						27-Sep-97	Operational			
			2	DALE PERKINS	0.163	0.160	24,720.790						16-Jan-98	Operational			
			3	DALE PERKINS	0.163	0.160	48,153.370						11-Nov-15	Operational	November 11, 2015 - Test & Commissioning		
				Total :	0.489	0.480		0.158	0.055	0.092	0.322	0.172					
115	73	TALICUD DPP, Davao del Norte (16 hours operation) 12:00NN-4:00AM (DANEKO)	1	DALE PERKINS	0.163	0.145	40,825.130						26-Aug-96	Operational			
			2	DALE PERKINS	0.163	0.145	29,476.530						26-Aug-96	Operational			
			3	DALE PERKINS	0.260	0.190	0.000						18-Dec-91	Operational			
				Total :	0.586	0.480		0.252	0.100	0.155	0.228	0.282					

SUMMARY (EXISTING POWER PLANT AND BARGES) :

SMALL POWER UTILITIES GROUP		NO. OF PLANTS	SYSTEM DEMAND				NET RESERVE	
			RATED	DEP.	MAX	MIN		AVE
TOTAL LUZON		221	104.011	73.488	55.420	25.019	25.944	31.788
	Land-Based	61	87.468	67.377				
	Power Barge	3	12.540	2.400				
	Mini-Grid	3	0.469	0.446				
	Wind	1	0.180	0.000				
	Hydro	1	1.800	1.800				
	PRES	152	1.554	1.465				
TOTAL VISAYAS		45	15.142	8.474	5.599	2.130	3.225	2.876
	Land-Based	29	9.756	6.562				
	Power Barge	2	4.380	1.250				
	Mini-Grid	14	1.006	0.662				
TOTAL MINDANAO		24	56.825	39.411	28.977	12.526	13.503	10.434
	Land-Based	22	46.025	33.111				
	Power Barge	2	10.800	6.300				
TOTAL PHILIPPINES		290	175.978	121.373	89.995	39.675	42.671	45.097