

## POWER SUPPLY PROCUREMENT PLAN

### **BUKIDNON SECOND ELECTRIC COOPERATIVE, INC. POWER SUPPLY PROCUREMENT PLAN**

In compliance with the Department of Energy's (DOE) Department Circular No. DC 2018-02-0003, "Adopting and Prescribing the Policy for the Competitive Selection Process in the Procurement by the Distribution Utilities of Power Supply Agreement for the Captive Market" or the Competitive Selection process (CSP) Policy, the Power Supply Procurement Plan (PSPP) Report is hereby created, pursuant to the Section 4 of the said Circular.

The PSPP refers to the DUs' plan for the acquisition of a variety of demand-side and supply-side resources to cost-effectively meet the electricity needs of its customers. The PSPP is an integral part of the Distribution Utilities' Distribution Development Plan (DDP) and must be submitted to the Department of Energy with supported Board Resolution and/or notarized Secretary's Certificate.

The Third-Party Bids and Awards Committee (TPBAC), Joint TPBAC or Third Party Auctioneer (TPA) shall submit to the DOE and in the case of Electric Cooperatives (ECs), through the National Electrification Administration (NEA) the following:

- a. Power Supply Procurement Plan;
- b. Distribution Impact Study/ Load Flow Analysis conducted that served as the basis of the Terms of Reference; and
- c. Due diligence report of the existing generation plant

All Distribution Utilities' shall follow and submit the attached report to the Department of Energy for posting on the DOE CSP Portal. For ECs such reports shall be submitted to DOE and NEA. The NEA shall review the submitted report within ten (10) working days upon receipt prior to its submission to DOE for posting at the DOE CSP Portal.

The content of the PSSP shall be consistent with the DDP. The tables and graph format to be use on the PSPP report is provided on the following sheets. Further, the PSPP shall contain the following sections:

- I. Table of Contents
- II. Introduction
- III. Energy and Demand Forecast (10 year historical and forecast)
- IV. Energy Sales and Purchase
- V. Daily Load Profile and Load Duration Curve
- VI. Existing Contracts & Existing GenCos due diligence report
- VII. Currently approved SAGR for Off-Grid ECs to be passed-on to consumers;
- VIII. DU's Current Supply and Demand
- IX. Distribution Impact Study
- X. Schedule of Power Supply Procurement
- XI. Timeline of the CSP

For inquiries, you may send it at [doe.csp@gmail.com](mailto:doe.csp@gmail.com) or you may contact us through telephone numbers (02) 840-2173 and (02) 479-2900 local 202.

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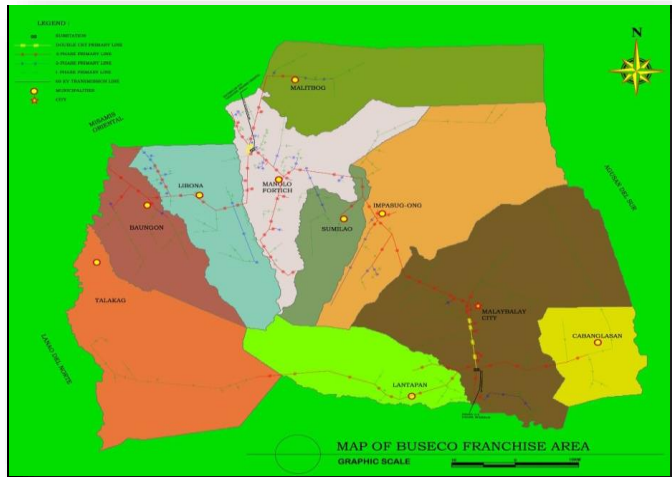
## II. INTRODUCTION

### DISTRIBUTION UTILITIES PROFILE

The Bukidnon Second Electric Cooperative, Inc. (BUSECO) has been formed in accordance with the provisions of PD 269 under the NEA, and was registered on July 28, 1977. BUSECO's franchise was granted permanent on June 10, 1981. However, construction immediately followed after the registration. Operations started on February 2, 1970 when BUSECO took over Manolo Fortich Municipal Electrical System, even if the first energization was on June 29, 1979 yet.

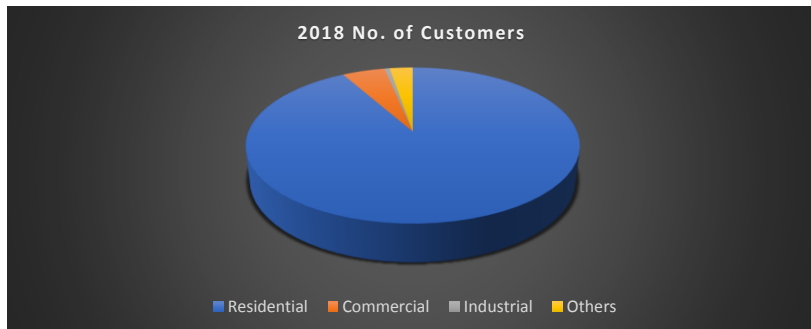
BUSECO is a non-stock, non-profit Electric Distribution Utility (EDU) registered with the National Electrification Administration (NEA) under PD 269 as amended on September 27, 1979. Its main office is located in Barangay Tankulan, Manolo Fortich, Bukidnon and has an area office in Casisang, Malaybalay City, Bukidnon.

BUSECO serves the City of Malaybalay, Municipality of Manolo Fortich, Sumilao, Impasug-ong, Sumilao, Lantapan, Cabanglasan, Libona, Baungon, Malitbog and a portion of the Municipality of Talakag and the City of Valencia.



Number of Customer	ACTUAL		FORECAST								
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Residential	89,745	94,462	99,363	104,437	109,664	115,026	120,508	126,098	131,785	137,560	143,416
Commercial	4,802	5,054	5,317	5,588	5,868	6,155	6,448	6,747	7,051	7,360	7,674
Industrial	572	602	633	666	699	733	768	804	840	877	914
Others	2,596	2,732	2,874	3,021	3,172	3,327	3,486	3,648	3,812	3,979	4,149
Contestable C	-	-	-	-	-	-	-	-	-	-	-
Total (Captive)	97,715	102,851	108,187	113,712	119,403	125,241	131,210	137,296	143,488	149,776	156,152

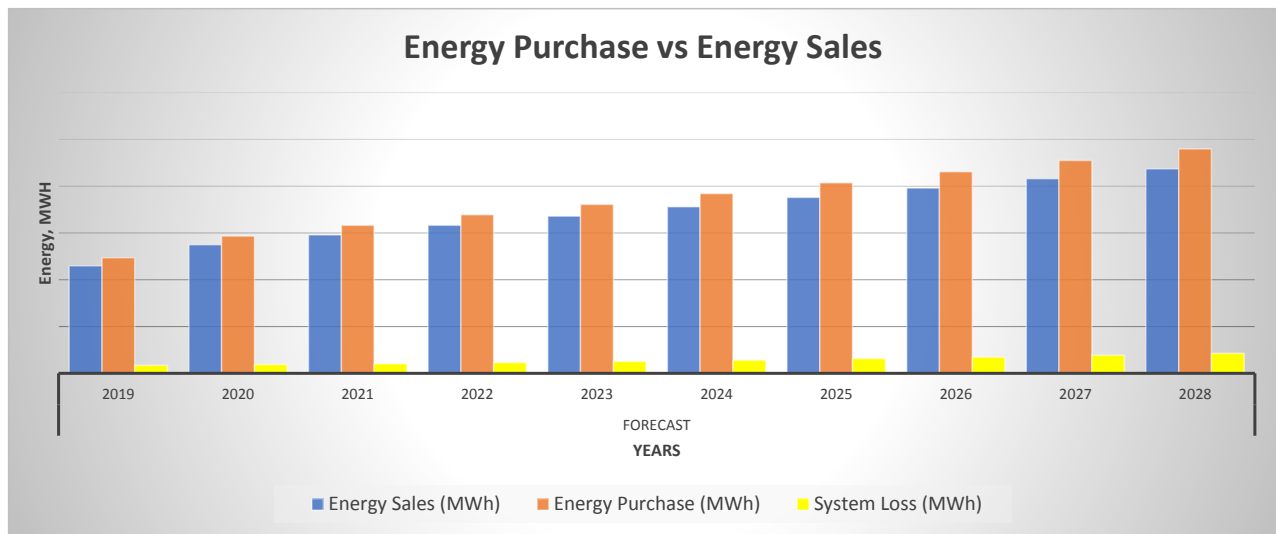
The increase of demand was mainly attributable to the entry of big loads.



### III. ENERGY SALES AND PURCHASE

ENERGY SALES AND PURCHASE	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Energy Sales (MWh)	88,712	92,616	104,575	109,772	118,505	124,365	135,034	144,306	161,617	174,332
Energy Purchase (MWh)	101,225	106,524	118,563	124,198	133,098	139,323	148,815	161,012	181,308	191,052
System Loss (MWh)	12,513	13,908	13,988	14,426	14,593	14,958	13,781	16,706	19,691	16,720

ENERGY SALES AND PURCHASE	FORECAST									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Energy Sales (MWh)	229,806	274,855	295,918	316,287	335,956	356,209	375,804	396,037	416,256	436,874
Energy Purchase (MWh)	247,154	293,594	316,466	339,034	361,265	384,413	407,211	430,930	454,898	479,508
System Loss (MWh)	17,348	18,739	20,548	22,748	25,309	28,204	31,407	34,893	38,642	42,634

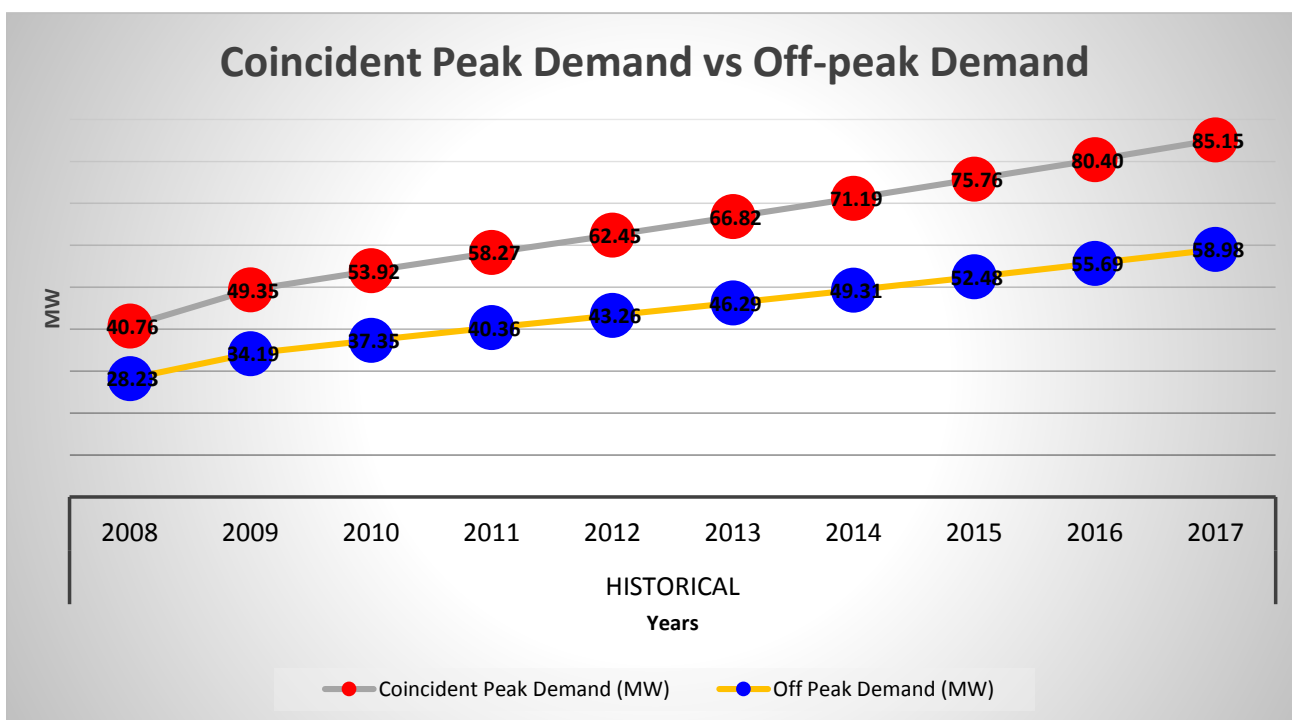


Based on the 10 year forecasted data, it can be inferred that there will be an average increase of 10% in energy sales and energy purchase. Meanwhile, the system loss from 2009 of 12% and is projected to decrease to 8.34% in 2019.

### IV. EC's CURRENT SUPPLY AND DEMAND

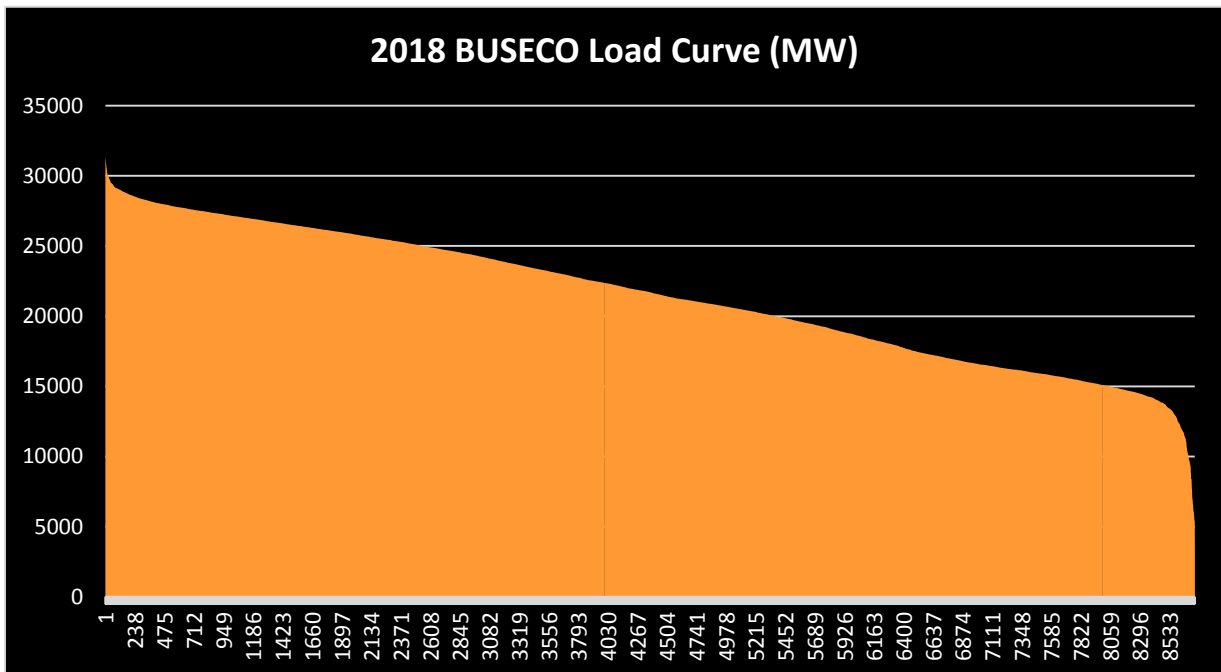
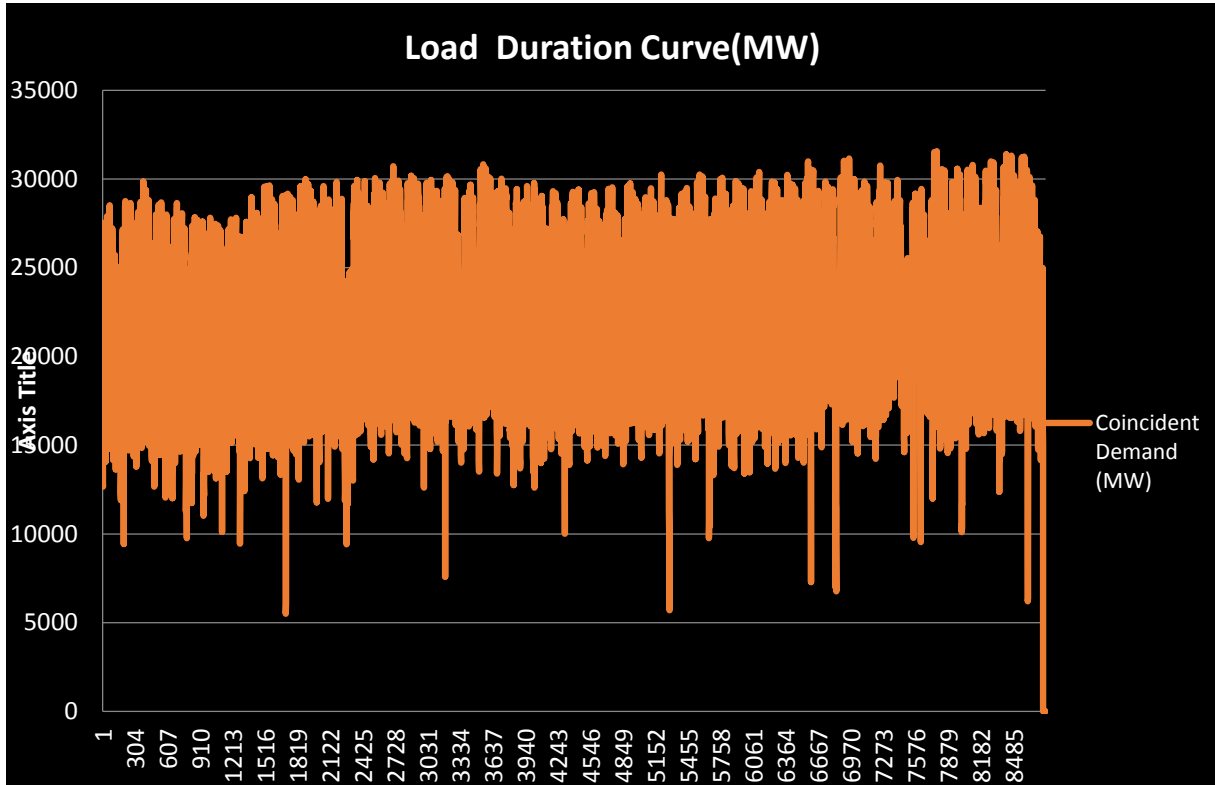
Demand	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Coincident Peak Demand (MW)	19.47	21.45	24.61	24.10	25.86	27.83	28.47	29.70	33.09	33.62
Off Peak Demand (MW)	11.82	13.10	15.06	15.98	17.91	19.28	18.87	19.55	19.38	23.29

Demand	FORECAST									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Coincident Peak Demand (MW)	40.76	49.35	53.92	58.27	62.45	66.82	71.19	75.76	80.40	85.15
Off Peak Demand (MW)	28.23	34.19	37.35	40.36	43.26	46.29	49.31	52.48	55.69	58.98



BUSECO's growth rate in terms of demand for the past 10 years is at 6.15%. It is then forecasted that for the next 10 (ten) years, BUSECO's demand will have an increase of 4.61%. The forecasting methodology used is Minitab: Winter's Method, additive: time series.

V. DAILY LOAD PROFILE AND LOAD DURATION CURVE

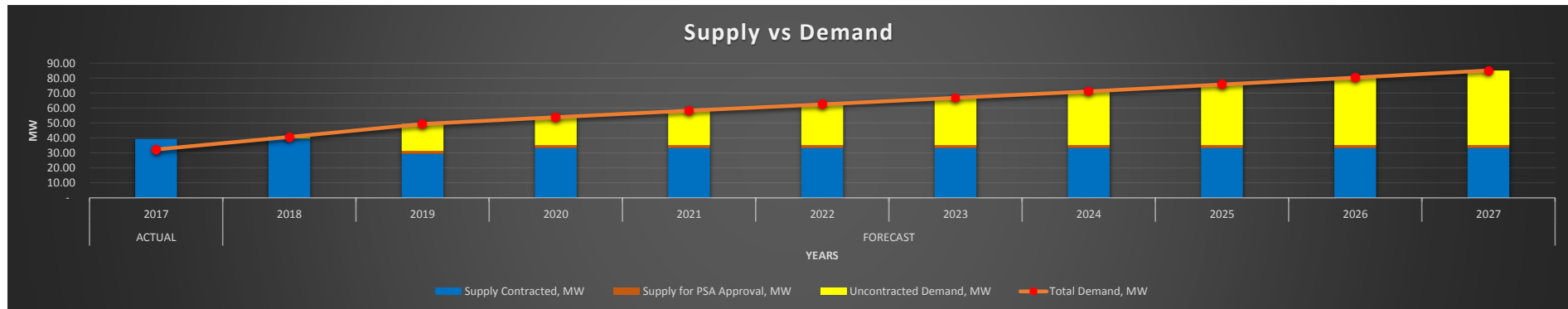


As reflected in the 2017 Load Profile and Load Duration Curve, BUSECO's peak demand is estimated at 15 MW while its baseload demand is at 25 MW.

## VI. EXISTING CONTRACTS & EXISTING GENCOS DUE DILIGENCE REPORT

### MIX SUPPLY VS DEMAND AND THE OPTIMAL SUPPLY

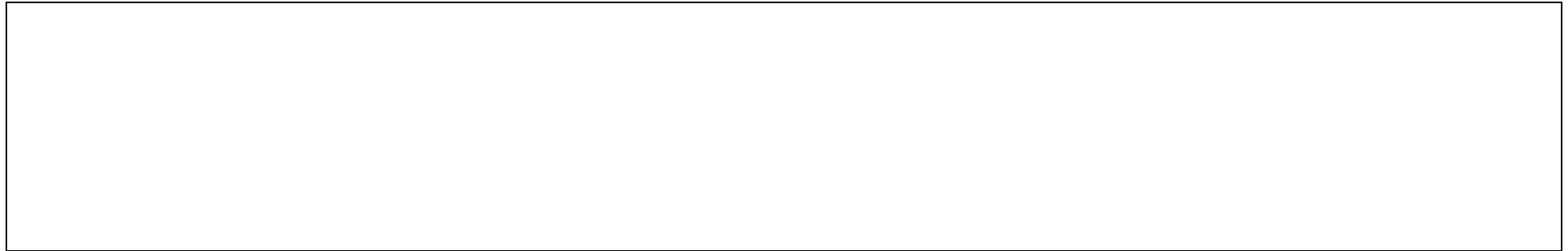
Supply Demand	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
<b>Demand, MW</b>	<b>32.32</b>	<b>34.09</b>	<b>36.96</b>	<b>40.07</b>	<b>43.41</b>	<b>46.94</b>	<b>50.64</b>	<b>54.50</b>	<b>58.49</b>	<b>62.62</b>	<b>66.86</b>
<b>Spot Load, MW</b>		<b>6.67</b>	<b>12.39</b>	<b>13.85</b>	<b>14.86</b>	<b>15.51</b>	<b>16.18</b>	<b>16.69</b>	<b>17.27</b>	<b>17.78</b>	<b>18.29</b>
<b>Total Demand, MW</b>	<b>32.32</b>	<b>40.76</b>	<b>49.35</b>	<b>53.92</b>	<b>58.27</b>	<b>62.45</b>	<b>66.82</b>	<b>71.19</b>	<b>75.76</b>	<b>80.40</b>	<b>85.15</b>
<b>Supply Contracted, MW</b>	<b>39.38</b>	<b>39.59</b>	<b>29.36</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>	<b>33.18</b>
NPC/PSALM	14.16	4.37	4.36								
Gerphil Renewable Energy, Inc.	0.22	0.22									
Therma South Inc.	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
FDC MISAMIS (Phividec Coal)	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Therma Marine Inc.	5.00										
Hedcor Bukidnon Inc.		5.00									
GN POWER		5.00	10.00	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18
North Bukidnon Power Corporation		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Peakpower Bukidnon Inc.	10.00	10.00									
<b>Supply for PSA Approval, MW</b>	<b>0</b>	<b>0</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>
San Miguel Consolidated Power Corporation			2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
<b>Uncontracted Demand, MW</b>	<b>-</b>	<b>1</b>	<b>18.00</b>	<b>19</b>	<b>23</b>	<b>27.27</b>	<b>31.64</b>	<b>36.01</b>	<b>40.58</b>	<b>45.22</b>	<b>49.97</b>



POWER SUPPLY PROCUREMENT PLAN

List of Existing Contracts and Details

Supply Contracted	Plant Owner/ Operator	Capacity Factor	PSA Effectivity (MM/YR)	PSA Expiration (MM/YR)	Contracted Capacity, MW	Contracted Energy, MWH	Base / Mid-merit / Peaking	Embedded/ Grid Connected	Utility-owned/ NPC/ IPP/ NPC-IPP	Status	Fuel Type	Installed Capacity (MW)	Net Dependable Capacity (MW)
NPC/PSALM	NPC/PSALM	0%	2018	2020	14.16	124,021.19	Base	Grid Connected	NPC	ERC approved	Mix		
Gerphil Renewable Energy, Inc.	Gerphil Renewable Energy, Inc.	100%	06/2016	07/2021	0.22	1,927.20	Base	Embedded	IPP	ERC approved	Hydro	0.22	
Therma South Inc.	Therma South Inc.	40%	09/2015	09/2040	2.00	17,520.00	Base	Grid Connected	IPP	ERC approved	Coal-Fired	300.00	
FDC MISAMIS (Phividec Coal)	FDC MISAMIS (Phividec Coal)	40%	10/2016	10/2031	8.00	70,080.00	Base	Grid Connected	IPP	ERC approved	Coal-Fired	405.00	
Therma Marine Inc.	Therma Marine Inc.	0%	05/2015	05/2018	5.00	43,800.00	Peaking	Grid Connected	IPP	ERC approved	Diesel	200.00	
Hedcor Bukidnon Inc.	Hedcor Bukidnon Inc.	100%	2018	2029	5.00	43,800.00	Base	Grid Connected	IPP	RESA	Hydro		
GN POWER	GN POWER	40%	2019	2039	18.00	157,680.00	Base	Grid Connected	IPP	Provisional Authority	Coal-Fired	330.00	
San Miguel Consolidated Power Corporation	San Miguel Consolidated Power Corporation	40%	2020	2035	2.00	17,520.00	Base	Grid Connected	IPP	For ERC Approval	Coal-Fired		
North Bukidnon Power Corporation	North Bukidnon Power Corporation	0%	2018	2033	5.00	43,800.00	Peaking	Embedded	IPP	Provisional Authority	Coal-Fired	10.00	
Peak Power Bukidnon Inc.	Peak Power Bukidnon Inc.	0%	2018	2033	10.00	87,600.00	Peaking	Embedded	IPP	Provisional Authority	Coal-Fired	10.00	
Sun Asia Energy Inc.	Sun Asia Energy Inc.	60%	2019	2044	2.00	17,520.00	Peaking	Embedded	IPP	ERC approved	Solar	2.00	
Upper Manupali Hydro Electric Corp	Upper Manupali Hydro Electric Corp	60%	2024	2049	4.40	38,544.00	Base	Embedded	IPP	For ERC Approval	Hydro	4.40	
Sure Eco	Sure Eco	0%			0.60	5,256.00	Base	Embedded	IPP	Provisional Authority	Biomass	10.00	





## VII. DISTRIBUTION IMPACT STUDY

BUSECO serves its consumers through six (6) substations: (1) a 20 MVA substation located at Lunocan, Bukidnon; (2) a 1.5 MVA substation located at Alae, Bukidnon, (3) a total of 15 MVA substation located at Aglayan, Malaybalay City, Bukidnon; (4) a 10 MVA substation in San Vicente, Sumilao, Bukidnon; (5) a 10 MVA substation in Casisang, Malaybalay City, Bukidnon; (6) and a 5 MVA substation in Damilag, Manolo Fortich, Bukidnon. The average loading capacity for all substation is at 66%.

BUSECO ensures that upon the increase of demand, its substation and distribution line can accommodate the capacity of the load. BUSECO will still conduct its thorough Distribution Impact Study, however, it is guaranteed that it has consistently monitored its distribution system. This is manifested by its recently acquired 100% compliance with PGC and PDC.



## IX. ENERGY AND DEMAND FORECAST

Year	Historical and Forecast			Contracted and For PSA Approval Demand and Energy		Uncontracted Demand and Energy	Committed for CSP	
	Coincident Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Demand (MW)	Energy (MWh)
2009								
Jan	17.61	10.69	7,198	16.71	8,101.01	0.90	-	-
Feb	17.94	10.89	7,415	16.62	7,844.69	1.32	-	-
Mar	18.08	10.98	6,840	16.70	7,508.40	1.38	-	-
Apr	17.69	10.74	7,305	16.59	8,061.24	1.10	-	-
May	17.89	10.86	7,154	17.28	7,877.22	0.61	-	-
Jun	18.07	10.97	7,566	16.84	7,803.12	1.23	-	-
Jul	18.03	10.95	7,416	17.07	7,650.19	0.96	-	-
Aug	18.65	11.32	7,581	17.88	8,110.51	0.77	-	-
Sep	18.67	11.33	7,732	17.88	8,309.31	0.79	-	-
Oct	18.78	11.40	7,316	18.88	8,280.74	(0.10)	-	-
Nov	18.98	11.52	7,565	18.73	8,239.57	0.26	-	-
Dec	19.47	11.82	7,624	19.52	8,488.86	(0.05)	-	-
2010								
Jan	19.89	12.15	7,795	18.27	8,846.93	1.62	-	-
Feb	20.09	12.28	7,628	18.17	8,588.32	1.92	-	-
Mar	20.05	12.25	6,376	18.26	8,203.12	1.79	-	-
Apr	20.19	12.34	6,966	18.14	8,780.16	2.06	-	-
May	20.54	12.55	7,557	18.01	8,056.60	2.53	-	-
Jun	20.32	12.42	8,115	17.56	7,985.08	2.76	-	-
Jul	19.48	11.90	7,525	17.81	7,826.23	1.68	-	-
Aug	20.20	12.34	7,837	18.64	8,348.91	1.56	-	-
Sep	20.95	12.80	8,290	18.63	8,565.91	2.32	-	-
Oct	21.05	12.86	8,132	19.67	8,552.82	1.38	-	-
Nov	20.97	12.81	8,347	19.51	8,522.17	1.46	-	-
Dec	21.45	13.10	8,048	20.10	8,700.27	1.35	-	-
2011								
Jan	21.31	13.04	8,278	18.81	9,090.46	2.50	-	-
Feb	22.68	13.88	8,761	18.71	8,820.12	3.98	-	-
Mar	22.89	14.01	7,998	18.80	8,423.99	4.09	-	-
Apr	22.40	13.71	8,606	18.67	9,083.10	3.73	-	-
May	22.55	13.80	8,422	18.55	8,371.71	4.00	-	-
Jun	22.90	14.01	8,956	18.09	8,286.19	4.82	-	-
Jul	22.89	14.01	8,715	18.33	8,144.74	4.56	-	-
Aug	23.37	14.30	8,933	19.19	8,642.67	4.18	-	-
Sep	23.55	14.41	9,182	13.47	7,501.49	10.09	-	-
Oct	24.12	14.76	8,787	12.79	6,897.66	11.33	-	-
Nov	23.88	14.61	8,954	13.12	7,302.75	10.76	-	-
Dec	24.61	15.06	8,982	14.53	7,821.97	10.08	-	-
2012								
Jan	23.07	15.30	9,250	12.99	7,228.63	10.08	-	-
Feb	22.57	14.96	9,260	14.49	8,059.37	8.08	-	-
Mar	23.42	15.53	8,343	14.34	7,459.65	9.08	-	-
Apr	22.83	15.14	8,765	10.12	5,597.94	12.71	-	-
May	22.29	14.78	8,677	14.42	7,722.28	7.88	-	-
Jun	22.69	15.04	9,426	13.05	7,242.03	9.64	-	-
Jul	23.00	15.25	9,473	18.04	10,735.37	4.95	-	-
Aug	23.25	15.41	9,546	19.71	11,929.42	3.54	-	-
Sep	23.34	15.48	9,554	18.21	10,955.97	5.13	-	-
Oct	23.19	15.37	9,239	20.07	11,815.62	3.12	-	-
Nov	24.10	15.98	9,569	19.16	11,506.76	4.94	-	-
Dec	23.85	15.81	8,671	19.14	11,338.95	4.71	-	-
2013								
Jan	23.76	16.46	9,863	15.25	14,749.08	8.50	-	-
Feb	22.69	15.71	9,833	13.83	13,871.92	8.86	-	-
Mar	23.79	16.48	8,855	14.28	13,640.39	9.50	-	-
Apr	23.90	16.55	9,874	13.23	13,522.04	10.67	-	-
May	24.57	17.02	9,791	12.63	13,003.41	11.94	-	-



POWER SUPPLY PROCUREMENT PLAN

Year	Historical and Forecast			Contracted and For PSA Approval Demand and Energy		Uncontracted Demand and Energy	Committed for CSP	
	Coincident Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Demand (MW)	Energy (MWh)
Jan	31.93	22.12	14,018	28.06	19,773.40	3.87	-	-
Feb	31.72	21.97	13,812	27.40	19,329.40	4.32	-	-
Mar	31.96	22.14	13,272	37.78	17,689.20	(5.82)	-	-
Apr	32.59	22.58	14,924	36.89	18,986.40	(4.29)	-	-
May	32.67	22.63	14,707	36.80	17,451.00	(4.13)	-	-
Jun	31.95	22.13	14,672	33.63	24,023.40	(1.68)	-	-
Jul	31.74	21.98	14,580	38.08	26,491.00	(6.34)	-	-
Aug	32.31	22.38	15,007	38.01	27,324.40	(5.70)	-	-
Sep	33.03	22.88	15,014	39.59	28,385.40	(6.56)	-	-
Oct	33.26	23.04	14,756	45.19	31,462.00	(11.94)	-	-
Nov	33.62	23.29	14,737	45.23	32,537.40	(11.62)	-	-
Dec	33.54	23.24	14,833	45.94	31,947.00	(12.40)	-	-
2019								
Jan	38.71	26.82	18,479	39.95	27,463.13	(1.23)	-	-
Feb	38.46	26.64	18,207	39.81	27,384.16	(1.36)	-	-
Mar	38.75	26.84	17,496	39.87	24,763.42	(1.12)	-	-
Apr	39.52	27.37	19,673	38.89	26,831.57	0.63	-	-
May	39.61	27.43	19,387	39.02	26,041.63	0.59	-	-
Jun	38.73	26.83	19,340	38.70	26,719.76	0.04	-	-
Jul	38.48	26.66	19,220	38.16	25,546.38	0.32	-	-
Aug	39.17	27.14	19,783	39.34	27,103.43	(0.17)	-	-
Sep	40.05	27.74	19,791	40.06	27,531.25	(0.01)	-	-
Oct	40.32	27.93	19,451	40.14	26,687.25	0.18	-	-
Nov	40.76	28.23	19,427	40.32	27,687.89	0.43	-	-
Dec	40.67	28.17	19,553	40.88	27,116.08	(0.21)	-	-
2020								
Jan	46.88	32.47	22,101	31.92	23,013.56	14.96	-	-
Feb	46.57	32.26	21,776	31.27	22,631.45	15.29	-	-
Mar	46.92	32.50	20,925	31.66	21,385.63	15.26	-	-
Apr	47.85	33.15	23,529	30.78	22,336.08	17.07	-	-
May	47.96	33.22	23,187	30.68	21,560.99	17.28	-	-
Jun	46.90	32.49	23,132	30.38	22,100.83	16.52	-	-
Jul	46.59	32.28	22,988	30.70	21,568.56	15.90	-	-
Aug	47.43	32.86	23,660	30.33	22,070.63	17.10	-	-
Sep	48.50	33.59	23,671	31.71	22,891.36	16.79	-	-
Oct	48.82	33.82	23,265	32.07	22,357.61	16.76	-	-
Nov	49.35	34.19	23,235	32.13	23,138.66	17.23	-	-
Dec	49.25	34.11	23,386	32.69	22,714.43	16.56	-	-
2021								
Jan	49.20	33.59	24,053	35.18	26,173.92	14.02	-	-
Feb	52.24	35.84	24,653	35.18	26,173.92	17.06	-	-
Mar	51.25	35.72	22,993	35.18	23,640.96	16.07	-	-
Apr	51.07	35.78	24,672	35.18	26,173.92	15.89	-	-
May	50.51	35.19	24,506	35.18	25,329.60	15.33	-	-
Jun	51.49	35.99	25,002	35.18	26,173.92	16.31	-	-
Jul	50.15	35.15	24,090	35.18	25,329.60	14.97	-	-
Aug	52.31	36.88	26,038	35.18	26,173.92	17.13	-	-
Sep	51.62	36.04	25,087	35.18	26,173.92	16.44	-	-
Oct	52.13	36.55	24,931	35.18	25,329.60	16.95	-	-
Nov	52.74	37.35	25,341	35.18	26,173.92	17.56	-	-
Dec	53.92	36.89	24,552	35.18	25,329.60	18.74	-	-
2022								
Jan	53.16	36.30	25,709	35.18	26,173.92	17.98	-	-
Feb	56.45	38.73	26,350	35.18	26,173.92	21.27	-	-
Mar	55.38	38.60	24,576	35.18	23,640.96	20.20	-	-
Apr	55.19	38.67	26,370	35.18	26,173.92	20.01	-	-

POWER SUPPLY PROCUREMENT PLAN

Year	Historical and Forecast			Contracted and For PSA Approval Demand and Energy		Uncontracted Demand and Energy	Committed for CSP	
	Coincident Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Demand (MW)	Energy (MWh)
May	54.59	38.03	26,192	35.18	25,329.60	19.41	-	-
Jun	55.64	38.89	26,723	35.18	26,173.92	20.46	-	-
Jul	54.19	37.99	25,749	35.18	25,329.60	19.01	-	-
Aug	56.53	39.86	27,830	35.18	26,173.92	21.35	-	-
Sep	55.78	38.95	26,814	35.18	26,173.92	20.60	-	-
Oct	56.34	39.50	26,647	35.18	25,329.60	21.16	-	-
Nov	57.00	40.36	27,085	35.18	26,173.92	21.82	-	-
Dec	58.27	39.87	26,242	35.18	25,329.60	23.09	-	-
2023								
Jan	56.98	38.91	27,307	35.18	26,173.92	21.80	8.00	-
Feb	60.50	41.51	27,989	35.18	26,173.92	25.32	8.00	-
Mar	59.35	41.37	26,104	35.18	23,640.96	24.17	8.00	-
Apr	59.15	41.44	28,010	35.18	26,173.92	23.97	8.00	-
May	58.50	40.76	27,821	35.18	25,329.60	23.32	8.00	-
Jun	59.63	41.68	28,385	35.18	26,173.92	24.45	8.00	-
Jul	58.08	40.71	27,350	35.18	25,329.60	22.90	8.00	-
Aug	60.58	42.72	29,560	35.18	26,173.92	25.40	8.00	-
Sep	59.78	41.74	28,481	35.18	26,173.92	24.60	8.00	-
Oct	60.38	42.33	28,304	35.18	25,329.60	25.20	8.00	-
Nov	61.08	43.26	28,769	35.18	26,173.92	25.90	8.00	-
Dec	62.45	42.72	27,874	35.18	25,329.60	27.27	8.00	-
2024								
Jan	60.97	41.63	28,954	35.18	26,173.92	25.79	8.00	-
Feb	64.74	44.42	29,676	35.18	26,173.92	29.56	8.00	-
Mar	63.51	44.27	27,678	35.18	23,640.96	28.33	8.00	-
Apr	63.29	44.35	29,698	35.18	26,173.92	28.11	8.00	-
May	62.60	43.61	29,499	35.18	25,329.60	27.42	8.00	-
Jun	63.81	44.60	30,096	35.18	26,173.92	28.63	8.00	-
Jul	62.14	43.56	28,999	35.18	25,329.60	26.96	8.00	-
Aug	64.82	45.71	31,342	35.18	26,173.92	29.64	8.00	-
Sep	63.97	44.66	30,198	35.18	26,173.92	28.79	8.00	-
Oct	64.60	45.30	30,011	35.18	25,329.60	29.42	8.00	-
Nov	65.36	46.29	30,503	35.18	26,173.92	30.18	8.00	-
Dec	66.82	45.72	29,555	35.18	25,329.60	31.64	8.00	-
2025								
Jan	64.95	44.35	30,546	35.18	26,173.92	29.77	8.00	-
Feb	68.97	47.32	31,309	35.18	26,173.92	33.79	8.00	-
Mar	67.66	47.17	29,200	35.18	23,640.96	32.48	8.00	-
Apr	67.43	47.24	31,332	35.18	26,173.92	32.25	8.00	-
May	66.69	46.46	31,121	35.18	25,329.60	31.51	8.00	-
Jun	67.98	47.52	31,752	35.18	26,173.92	32.80	8.00	-
Jul	66.21	46.41	30,594	35.18	25,329.60	31.03	8.00	-
Aug	69.06	48.70	33,067	35.18	26,173.92	33.88	8.00	-
Sep	68.15	47.58	31,860	35.18	26,173.92	32.97	8.00	-
Oct	68.83	48.26	31,662	35.18	25,329.60	33.65	8.00	-
Nov	69.63	49.31	32,181	35.18	26,173.92	34.45	8.00	-
Dec	71.19	48.71	31,181	35.18	25,329.60	36.01	8.00	-
2026								
Jan	69.12	47.20	32,191	35.18	26,173.92	33.94	8.00	-
Feb	73.39	50.36	32,994	35.18	26,173.92	38.21	8.00	-
Mar	72.00	50.19	30,772	35.18	23,640.96	36.82	8.00	-
Apr	71.76	50.28	33,019	35.18	26,173.92	36.58	8.00	-
May	70.97	49.44	32,797	35.18	25,329.60	35.79	8.00	-
Jun	72.34	50.57	33,462	35.18	26,173.92	37.16	8.00	-
Jul	70.46	49.39	32,241	35.18	25,329.60	35.28	8.00	-
Aug	73.49	51.82	34,847	35.18	26,173.92	38.31	8.00	-
Sep	72.53	50.64	33,575	35.18	26,173.92	37.35	8.00	-
Oct	73.25	51.36	33,366	35.18	25,329.60	38.07	8.00	-
Nov	74.10	52.48	33,914	35.18	26,173.92	38.92	8.00	-
Dec	75.76	51.83	32,859	35.18	25,329.60	40.58	8.00	-

POWER SUPPLY PROCUREMENT PLAN

Year	Historical and Forecast			Contracted and For PSA Approval Demand and Energy		Uncontracted Demand and Energy	Committed for CSP	
	Coincident Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Demand (MW)	Energy (MWh)
2027								
Jan	73.35	50.09	33,835	35.18	26,173.92	38.17	8.00	-
Feb	77.89	53.44	34,679	35.18	26,173.92	42.71	8.00	-
Mar	76.41	53.27	32,343	35.18	23,640.96	41.23	8.00	-
Apr	76.15	53.35	34,704	35.18	26,173.92	40.97	8.00	-
May	75.32	52.47	34,471	35.18	25,329.60	40.14	8.00	-
Jun	76.77	53.66	35,170	35.18	26,173.92	41.59	8.00	-
Jul	74.77	52.42	33,887	35.18	25,329.60	39.59	8.00	-
Aug	77.99	55.00	36,626	35.18	26,173.92	42.81	8.00	-
Sep	76.97	53.74	35,289	35.18	26,173.92	41.79	8.00	-
Oct	77.73	54.50	35,070	35.18	25,329.60	42.55	8.00	-
Nov	78.64	55.69	35,645	35.18	26,173.92	43.46	8.00	-
Dec	80.40	55.01	34,537	35.18	25,329.60	45.22	8.00	-
2028								
Jan	77.69	53.05	35,510	35.18	26,173.92	42.51	8.00	-
Feb	82.49	56.60	36,396	35.18	26,173.92	47.31	8.00	-
Mar	80.93	56.41	33,945	35.18	23,640.96	45.75	8.00	-
Apr	80.65	56.51	36,423	35.18	26,173.92	45.47	8.00	-
May	79.77	55.57	36,179	35.18	25,329.60	44.59	8.00	-
Jun	81.31	56.83	36,912	35.18	26,173.92	46.13	8.00	-
Jul	79.19	55.51	35,565	35.18	25,329.60	44.01	8.00	-
Aug	82.60	58.24	38,440	35.18	26,173.92	47.42	8.00	-
Sep	81.51	56.91	37,037	35.18	26,173.92	46.33	8.00	-
Oct	82.32	57.72	36,807	35.18	25,329.60	47.14	8.00	-
Nov	83.29	58.98	37,411	35.18	26,173.92	48.11	8.00	-
Dec	85.15	58.25	36,248	35.18	25,329.60	49.97	8.00	-