

FISRT BAY POWER CORPORATION

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 PSPP 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 or you may contact us through telephone numbers (02) 840-2173 and (02) 479-2900 local 202.

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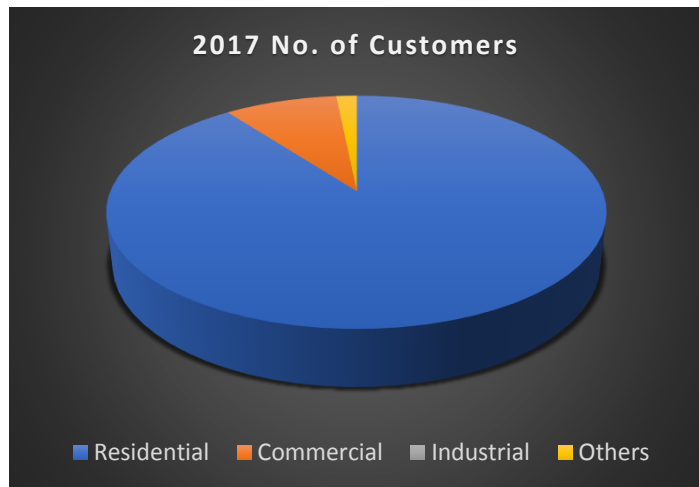
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INTRODUCTION

DISTRIBUTION UTILITIES PROFILE

Number of Customer	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Residential	20966	21400	21842	22293	22756	23228	23712	24206	24716	25235	25768
Commercial	2024	2042	2066	2090	2114	2138	2162	2186	2210	2234	2258
Industrial											
Others	367	375	379	386	393	399	406	413	419	426	433
Contestable Customers served by RES											
Total (Captive Customers)	23357	23817	24287	24769	25263	25765	26280	26805	27345	27895	28459

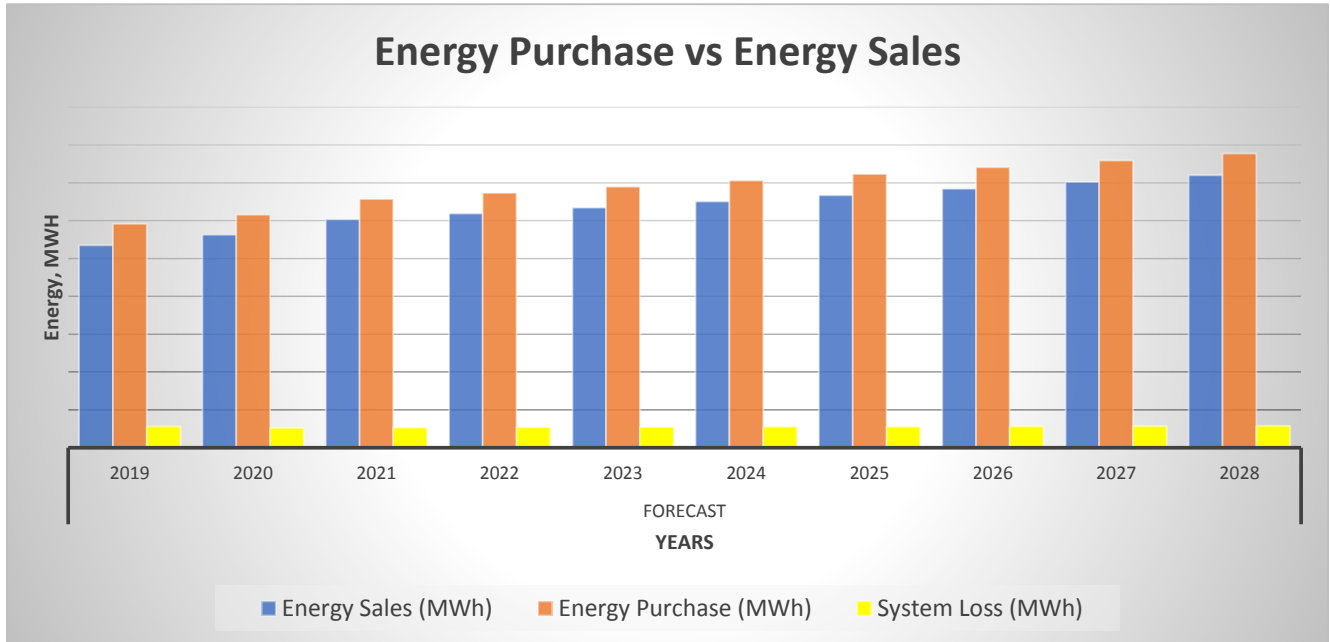
The forecasted customer can be attributed on the ongoing development of the following substations: Amia Escapes, Lumina Homes, Catalina, Boomtown and other commercial establishment like puregold, expansion of citimart, etc.



ENERGY SALES AND PURCHASE

ENERGY SALES AND PURCHASE	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Energy Sales (MWh)	34591	38021	38409	42012	40691	44969	48660	49691	50097	51596
Energy Purchase (MWh)	40156	45614	44788	48444	50789	51966	55099	56663	56241	57762
System Loss (MWh)	5565	7593	6379	6432	10098	6997	6439	6972	6144	6166

ENERGY SALES AND PURCHASE	FORECAST									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Energy Sales (MWh)	53500	56300	60350	61890	63470	65090	66750	68450	70195	71985
Energy Purchase (MWh)	59150	61550	65700	67300	68940	70625	72350	74115	75925	77777
System Loss (MWh)	5650	5250	5350	5410	5470	5535	5600	5665	5730	5792

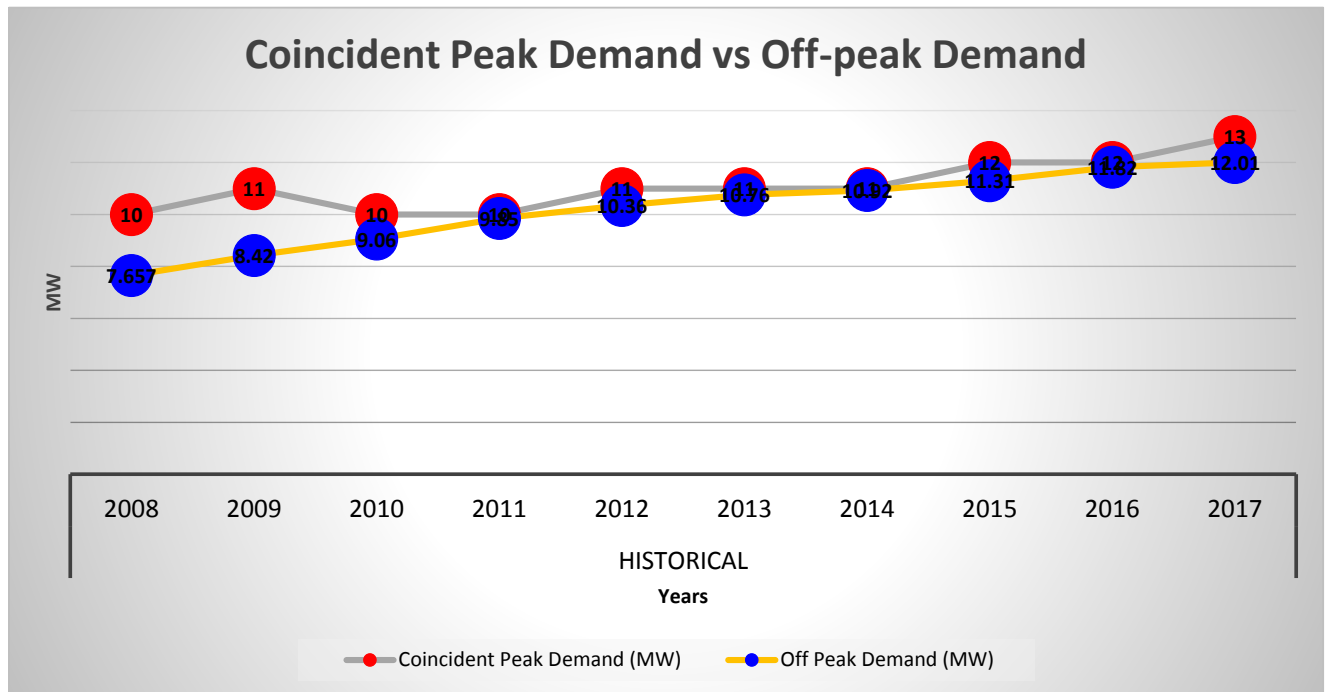


Brief highlight/report

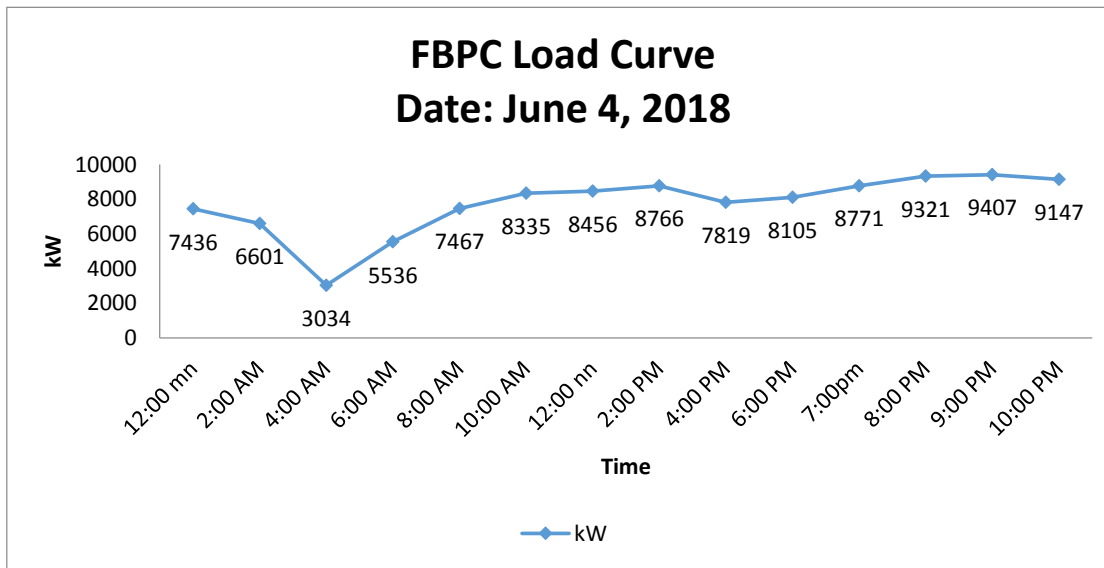
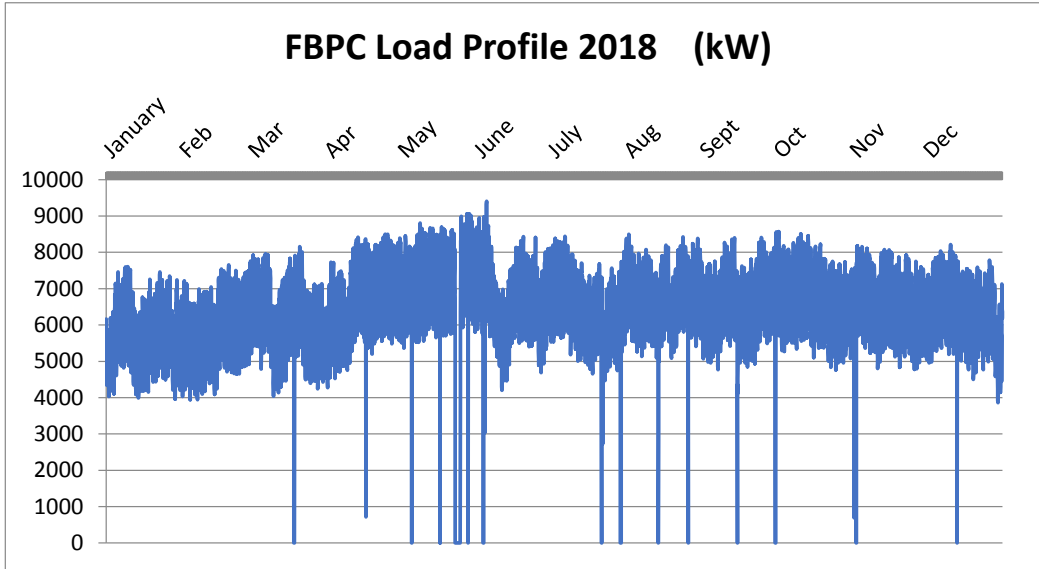
DEMAND

Demand	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Coincident Peak Demand (MW)	6.95	8.25	7.76	8.45	8.09	8.45	9.88	8.76	9.30	9.407
Off Peak Demand (MW)	5	5	5.98	4.82	5.58	6.18	7.07	7.37	7.02	7.347

Demand	FORECAST									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Coincident Peak Demand (MW)	10	11	10	10	11	11	11	12	12	13
Off Peak Demand (MW)	7.657	8.42	9.06	9.85	10.36	10.76	10.92	11.31	11.82	12.01



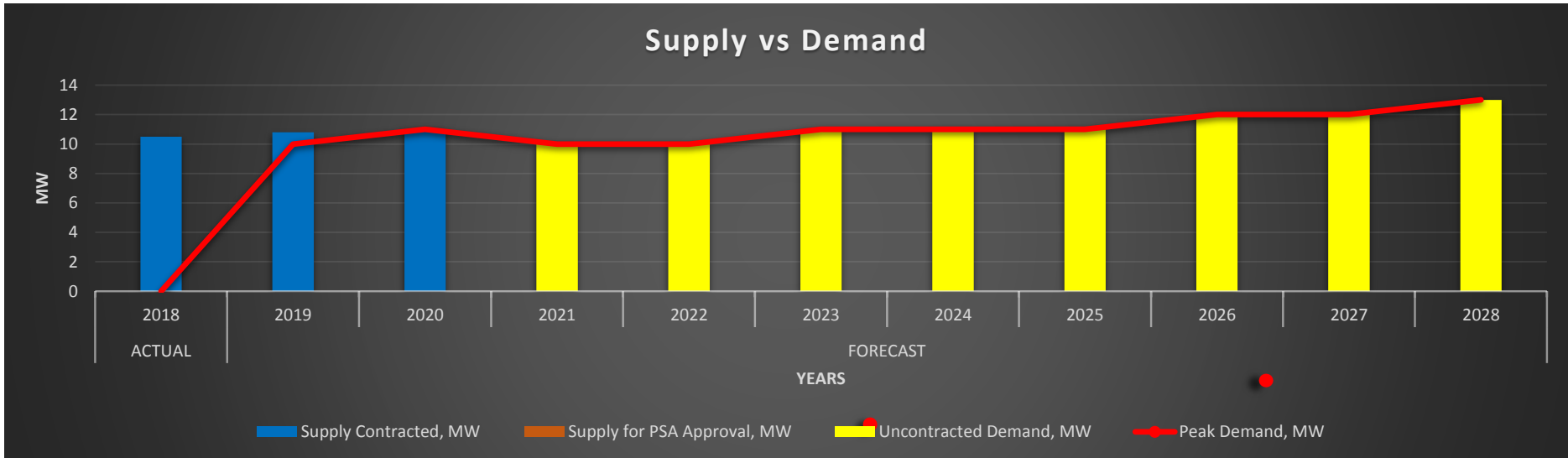
LOAD PROFILE AND LOAD DURATION CURVE



Base Load	=	3034
Mid-Merit	=	8105
Peaking	=	9407

MIXSUPPLY VS DEMAND AND THE OPTIMAL SUPPLY

Supply Demand	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Peak Demand, MW		10	11	10	10	11	11	11	12	12	13
Supply Contracted, MW	10.5	10.8	11	0	0	0	0	0	0	0	0
AP Renewables Inc.	10.5	10.8	11								
Generation Plant Name 2											
Generation Plant Name 3											
Supply for PSA Approval, MW	0	0	0	0	0	0	0	0	0	0	0
Generation Plant Name 1											
Generation Plant Name 2											
Generation Plant Name 3											
Uncontracted Demand, MW	0	0	0	10	10	11	11	11	12	12	13



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)
GenCo 1	APRI	65-100	1/26/2013	1/25/2021	Please see next Page		Base / Mid-merit / Peaking	Grid Connected	IPP	Commercial Operation	Geothermal	458+289 MW	345.4 MW
GenCo 2													
GenCo 3													
GenCo 4													
GenCo 5													

First Bay Power Corporation did not experinced any power outages since the effectivity of its contract with Aboitiz Power Renewable Inc. The utility is satisfied with their performance as we also deliver 100% reliabilty of service to our consumers.

POWER SUPPLY PROCUREMENT PLAN

Month	Maximum Contracted Demand (kW)	Maximum Contracted Energy (MWh / month)
2013		
January 26, 2013 - February 25, 2013	9,000	4,188
February 26, 2013 - March 25, 2013	9,000	4,188
March 26, 2013 - April 25, 2013	9,000	4,440
April 26, 2013 - May 25, 2013	9,000	4,440
May 26, 2013 - June 25, 2013	9,000	4,560
June 26, 2013 - July 25, 2013	9,000	4,812
July 26, 2013 - August 25, 2013	9,000	5,196
August 26, 2013 - September 25, 2013	9,000	4,812
September 26, 2013 - October 25, 2013	9,000	4,812
October 26, 2013 - November 25, 2013	9,000	4,944
November 26, 2013 - December 25, 2013	9,000	4,812
December 26, 2013 - January 25, 2014	9,000	4,812
2014		
January 26, 2014 - February 25, 2014	9,500	4,428
February 26, 2014 - March 25, 2014	9,500	4,428
March 26, 2014 - April 25, 2014	9,500	4,692
April 26, 2014 - May 25, 2014	9,500	4,692
May 26, 2014 - June 25, 2014	9,500	4,812
June 26, 2014 - July 25, 2014	9,500	5,088
July 26, 2014 - August 25, 2014	9,500	5,484
August 26, 2014 - September 25, 2014	9,500	5,088
September 26, 2014 - October 25, 2014	9,500	5,088
October 26, 2014 - November 25, 2014	9,500	5,220
November 26, 2014 - December 25, 2014	9,500	5,088
December 26, 2014 - January 25, 2015	9,500	5,088

Month	Maximum Contracted Demand (kW)	Maximum Contracted Energy (MWh / month)
2015		
January 26, 2015 - February 25, 2015	9,800	4,680
February 26, 2015 - March 25, 2015	9,800	4,680
March 26, 2015 - April 25, 2015	9,800	4,956
April 26, 2015 - May 25, 2015	9,800	4,956
May 26, 2015 - June 25, 2015	9,800	5,088
June 26, 2015 - July 25, 2015	9,800	5,376
July 26, 2015 - August 25, 2015	9,800	5,796
August 26, 2015 - September 25, 2015	9,800	5,376
September 26, 2015 - October 25, 2015	9,800	5,376
October 26, 2015 - November 25, 2015	9,800	5,508
November 26, 2015 - December 25, 2015	9,800	5,376
December 26, 2015 - January 25, 2016	9,800	5,376
2016		
January 26, 2016 - February 25, 2016	10,000	4,944
February 26, 2016 - March 25, 2016	10,000	4,944
March 26, 2016 - April 25, 2016	10,000	5,232
April 26, 2016 - May 25, 2016	10,000	5,232
May 26, 2016 - June 25, 2016	10,000	5,376
June 26, 2016 - July 25, 2016	10,000	5,676
July 26, 2016 - August 25, 2016	10,000	6,120
August 26, 2016 - September 25, 2016	10,000	5,676
September 26, 2016 - October 25, 2016	10,000	5,676
October 26, 2016 - November 25, 2016	10,000	5,820
November 26, 2016 - December 25, 2016	10,000	5,676
December 26, 2016 - January 25, 2017	10,000	5,676

POWER SUPPLY PROCUREMENT PLAN

Month	Maximum Contracted Demand (kW)	Maximum Contracted Energy (MWh / month)
2017		
January 26, 2017 - February 25, 2017	10,200	5,220
February 26, 2017 - March 25, 2017	10,200	5,220
March 26, 2017 - April 25, 2017	10,200	5,532
April 26, 2017 - May 25, 2017	10,200	5,532
May 26, 2017 - June 25, 2017	10,200	5,676
June 26, 2017 - July 25, 2017	10,200	6,000
July 26, 2017 - August 25, 2017	10,200	6,469
August 26, 2017 - September 25, 2017	10,200	6,000
September 26, 2017 - October 25, 2017	10,200	6,000
October 26, 2017 - November 25, 2017	10,200	6,144
November 26, 2017 - December 25, 2017	10,200	6,000
December 26, 2017 - January 25, 2018	10,200	6,000
2018		
January 26, 2018 - February 25, 2018	10,500	5,508
February 26, 2018 - March 25, 2018	10,500	5,508
March 26, 2018 - April 25, 2018	10,500	5,844
April 26, 2018 - May 25, 2018	10,500	5,844
May 26, 2018 - June 25, 2018	10,500	6,000
June 26, 2018 - July 25, 2018	10,500	6,336
July 26, 2018 - August 25, 2018	10,500	6,828
August 26, 2018 - September 25, 2018	10,500	6,336
September 26, 2018 - October 25, 2018	10,500	6,336
October 26, 2018 - November 25, 2018	10,500	6,492
November 26, 2018 - December 25, 2018	10,500	6,336
December 26, 2018 - January 25, 2019	10,500	6,336

Month	Maximum Contracted Demand (kW)	Maximum Contracted Energy (MWh / month)
2019		
January 26, 2019 - February 25, 2019	10,800	5,820
February 26, 2019 - March 25, 2019	10,800	5,820
March 26, 2019 - April 25, 2019	10,800	6,168
April 26, 2019 - May 25, 2019	10,800	6,168
May 26, 2019 - June 25, 2019	10,800	6,336
June 26, 2019 - July 25, 2019	10,800	6,696
July 26, 2019 - August 25, 2019	10,800	7,212
August 26, 2019 - September 25, 2019	10,800	6,696
September 26, 2019 - October 25, 2019	10,800	6,696
October 26, 2019 - November 25, 2019	10,800	6,852
November 26, 2019 - December 25, 2019	10,800	6,696
December 26, 2019 - January 25, 2020	10,800	6,696
2020		
January 26, 2020 - February 25, 2020	11,000	6,144
February 26, 2020 - March 25, 2020	11,000	6,144
March 26, 2020 - April 25, 2020	11,000	6,516
April 26, 2020 - May 25, 2020	11,000	6,516
May 26, 2020 - June 25, 2020	11,000	6,696
June 26, 2020 - July 25, 2020	11,000	7,068
July 26, 2020 - August 25, 2020	11,000	7,620
August 26, 2020 - September 25, 2020	11,000	7,068
September 26, 2020 - October 25, 2020	11,000	7,068
October 26, 2020 - November 25, 2020	11,000	7,236
November 26, 2020 - December 25, 2020	11,000	7,068
December 26, 2020 - January 25, 2021	11,000	7,068

DISTRIBUTION IMPACT STUDY

Information on technical studies made on the existing distribution utilities formerly operated by Bauan Electrical Lights System (BELS) under Municipality of Bauan, Batangas found out that system loss is above tolerance level. These are attributed mainly from sub-standard facilities, pilferages and administrative. A five-year development plan (CAPEX) was submitted and approved by ERC Case No. 2005-311MC on August 6, 2007, and these projects has been completed. Significant increase on the Energy Purchases and Energy Sales can be notified due to possible entry of a big load customer by 2020.

POWER SUPPLY PROCUREMENT PLAN

SCHEDULE OF CSP

Base / mid-merit / peaking	For CSP		Proposed contract period (MM/YYYY)	
	Demand (MW)	Energy (MWh)	Start Month and Year	End Month and Year
Base	2021 - 10MW	78,840	January 26, 2021	January 25, 2031
	2022 - 10MW	78,840		
	2023 - 11MW	86,724		
	2024 - 11MW	86,961		
	2025 - 11MW	86,724		
	2026 - 12MW	94,608		
	2027 - 12MW	94,608		
	2028 - 13MW	102,773		
	2029 - 14MW	110,386		
	2030 - 15MW	118,260		

10 Year Monthly Data

Year	Forecast			Contracted and For PSA Approval Demand and Energy		Uncontracted Demand and Energy		Committed for CSP	
	Coinciden t Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirem ent (MWh)	Demand (MW)	Energy (MWh)	Uncontrac ted Demand (MW)	Uncontrac ted Energy (MWh)	Demand (MW)	Energy (MWh)
2019									
Jan	7.56	6.24	4,002	10.8	6,336				
Feb	7.47	6.55	4,002	10.8	5,820				
Mar	7.73	6.73	4,241	10.8	5,820				
Apr	8.63	6.78	4,241	10.8	6,168				
May	9.10	7.14	4,351	10.8	6,168				
Jun	9.05	6.47	4,599	10.8	6,336				
Jul	9.50	7.66	4,958	10.8	6,696				
Aug	9.39	5.96	4,599	10.8	7,212				
Sep	8.70	5.77	4,599	10.8	6,696				
Oct	9.32	6.33	4,710	10.8	6,696				
Nov	9.90	6.11	4,599	10.8	6,852				
Dec	9.19	6.04	4,599	10.8	6,696				
2020									
Jan	7.89	6.97	4,211	11.0	6,696				
Feb	8.15	7.12	4,211	11.0	6,144				
Mar	8.69	7.61	4,463	11.0	6,144				
Apr	10.98	7.05	4,463	11.0	6,516				
May	9.62	7.14	4,579	11.0	6,516				
Jun	11.00	6.49	4,840	11.0	6,696				
Jul	10.79	8.42	5,218	11.0	7,068				
Aug	10.18	5.96	4,840	11.0	7,620				
Sep	9.68	5.81	4,840	11.0	7,068				
Oct	10.04	6.60	4,956	11.0	7,068				
Nov	8.36	6.33	4,840	11.0	7,236				
Dec	9.51	6.22	4,840	11.0	7,068				
2021									
Jan	9.79	7.06	4,514	11.00	7,068				
Feb	10.14	7.17	4,514					10.00	6,696
Mar	10.99	7.72	4,784					10.00	6,048
Apr	11.35	7.06	4,784					10.00	6,696
May	11.36	7.14	4,908					10.00	6,480
Jun	12.60	6.49	5,188					10.00	6,696
Jul	11.99	9.06	5,593					10.00	6,480
Aug	11.72	6.96	5,188					10.00	6,696
Sep	10.84	5.81	5,188					10.00	6,696
Oct	12.43	6.61	5,313					10.00	6,480
Nov	11.33	6.34	5,188					10.00	6,696
Dec	10.59	6.23	5,188					10.00	6,480
2022									
Jan	10.05	7.07	4,629					10.00	6,696

POWER SUPPLY PROCUREMENT PLAN

Feb	10.39	7.27	4,629					10.00	6,696
Mar	10.85	7.71	4,906					10.00	6,048
Apr	11.38	7.22	4,906					10.00	6,696
May	11.90	7.29	5,033					10.00	6,480
Jun	13.00	8.58	5,321					10.00	6,696
Jul	11.99	9.85	5,736					10.00	6,480
Aug	11.42	8.09	5,321					10.00	6,696
Sep	10.86	7.90	5,321					10.00	6,696
Oct	12.28	6.72	5,448					10.00	6,480
Nov	11.52	6.41	5,321					10.00	6,696
Dec	10.67	6.31	5,321					10.00	6,480
2023									
Jan	10.71	9.92	4,747					10.00	6,696
Feb	8.66	7.66	4,747					11.00	7,366
Mar	9.05	8.05	5,031					11.00	6,653
Apr	11.25	8.64	5,031					11.00	7,366
May	13.30	7.21	5,162					11.00	7,128
Jun	12.51	6.13	5,456					11.00	7,366
Jul	10.27	10.36	5,882					11.00	7,128
Aug	12.71	7.99	5,456					11.00	7,366
Sep	11.31	6.35	5,456					11.00	7,366
Oct	11.92	8.15	5,587					11.00	7,128
Nov	12.00	7.67	5,456					11.00	7,366
Dec	11.97	7.42	5,456					11.00	7,128
2024									
Jan	11.35	8.23	4,868					11.00	7,366
Feb	13.13	7.94	4,846					11.00	7,366
Mar	13.63	8.76	5,159					11.00	6,890
Apr	11.57	7.56	5,159					11.00	7,366
May	11.61	7.29	5,294					11.00	7,128
Jun	12.69	6.60	5,596					11.00	7,366
Jul	12.99	10.76	6,032					11.00	7,128
Aug	11.84	8.09	5,596					11.00	7,366
Sep	12.45	7.94	5,596					11.00	7,366
Oct	11.35	7.07	5,730					11.00	7,128
Nov	12.58	6.69	5,596					11.00	7,366
Dec	12.39	6.54	5,596					11.00	7,128
2025									
Jan	10.24	8.24	4,992					11.00	7,366
Feb	12.36	8.35	4,992					11.00	7,366
Mar	13.38	9.19	5,291					11.00	6,653
Apr	12.38	8.94	5,291					11.00	7,366
May	13.71	7.21	5,429					11.00	7,128
Jun	13.90	7.15	5,738					11.00	7,366
Jul	11.65	10.92	6,186					11.00	7,128
Aug	12.35	8.99	5,738					11.00	7,366
Sep	13.38	7.39	5,738					11.00	7,366
Oct	13.69	8.45	5,876					11.00	7,128
Nov	12.01	7.90	5,738					11.00	7,366
Dec	13.75	7.62	5,738					11.00	7,128

POWER SUPPLY PROCUREMENT PLAN

2026									
Jan	12.80	8.25	5,120					11.00	7,366
Feb	14.30	8.00	5,120					12.00	8,035
Mar	13.35	8.90	5,426					12.00	7,258
Apr	12.24	7.57	5,426					12.00	8,035
May	13.20	8.29	5,567					12.00	7,776
Jun	13.31	9.60	5,885					12.00	8,035
Jul	11.53	11.31	6,344					12.00	7,776
Aug	11.31	10.09	5,885					12.00	8,035
Sep	12.06	9.94	5,885					12.00	8,035
Oct	12.58	8.09	6,026					12.00	7,776
Nov	12.90	7.70	5,885					12.00	8,035
Dec	12.64	6.54	5,885					12.00	7,776
2027									
Jan	12.57	9.57	5,250					12.00	8,035
Feb	13.71	8.41	5,250					12.00	8,035
Mar	14.01	9.32	5,564					12.00	7,258
Apr	13.14	8.95	5,564					12.00	8,035
May	12.37	9.21	5,709					12.00	7,776
Jun	12.04	10.15	6,035					12.00	8,035
Jul	12.33	11.82	6,505					12.00	7,776
Aug	13.78	10.99	6,035					12.00	8,035
Sep	11.98	9.39	6,035					12.00	8,035
Oct	12.85	8.47	6,179					12.00	7,776
Nov	12.28	7.91	6,035					12.00	8,035
Dec	13.98	7.62	6,035					12.00	7,776
2028									
Jan	12.62	9.62	5,250					12.00	8,035
Feb	13.41	8.12	5,250					13.00	8,705
Mar	14.11	8.88	5,564					13.00	7,862
Apr	14.98	7.78	5,564					13.00	8,705
May	15.03	9.44	5,709					13.00	8,424
Jun	14.96	10.68	6,035					13.00	8,705
Jul	14.18	12.01	6,505					13.00	8,424
Aug	13.18	11.22	6,035					13.00	8,705
Sep	13.70	10.02	6,035					13.00	8,705
Oct	14.72	9.23	6,179					13.00	8,424
Nov	13.80	8.79	6,035					13.00	8,705
Dec	12.60	6.65	6,035					13.00	8,424