

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

TABLE OF CONTENTS

- I. Introduction
- II. Energy Sales and Purchase
- III. Demand
- IV. Load Profile and Load Duration Curve
- V. Power Supply Contracts
- VI. Distribution Impact Study
- VII. Schedule of CSP
- VIII. Monthly Data

INTRODUCTION

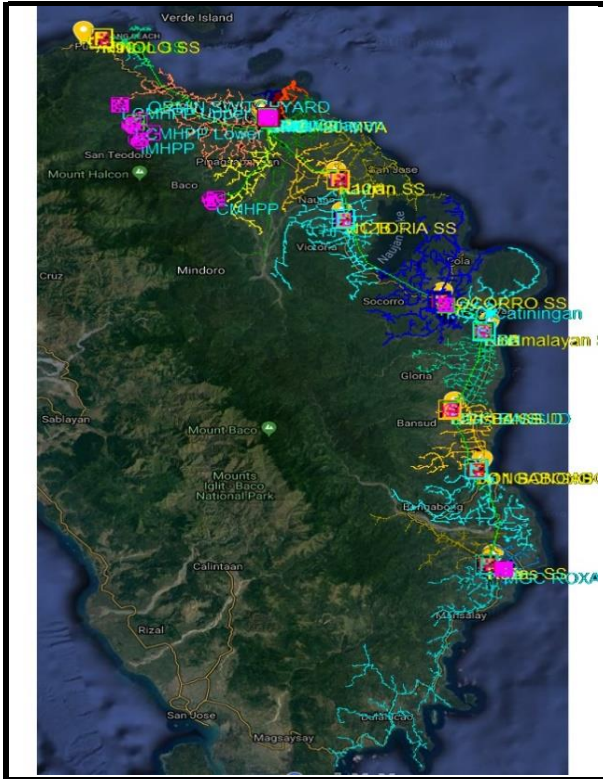
DISTRIBUTION UTILITIES PROFILE

ORMECO, Inc's Franchise MAP

ORMECO, Inc. was established on February 16, 1973 by virtue of the Republic Act No. 6038 and amended by Presidential Decree 269 and 1645. It was a government program for Rural Electrification patterned to National Rural Electric Cooperative of America (NRECA). The cooperative structure of ORMECO, Inc. is uncommon being a non-stock and non-profit form wherein purely service benefits are being enjoyed by its member-consumers.

Oriental Mindoro Electric Cooperative, Inc. serves the fourteen (14) municipalities and one (1) city. The service area is divided into seven (7) Districts; District 1 – Baco, San Teodoro, Puerto Galera; District 2 – Calapan City; District 3 – Naujan, Victoria; District 4 – Socorro, Pola; District 5 - Pinamalayan, Gloria; District 6 – Bansud, Bongabong; and District 7 – Roxas, Mansalay, Bulalacao.

As of December 2018, ORMECO, Inc. categorized as Class AAA - Mega Large cooperative. We have around 185,000 cutomers and a 219,188 out of 220,600 (99.36%) consumer connections.

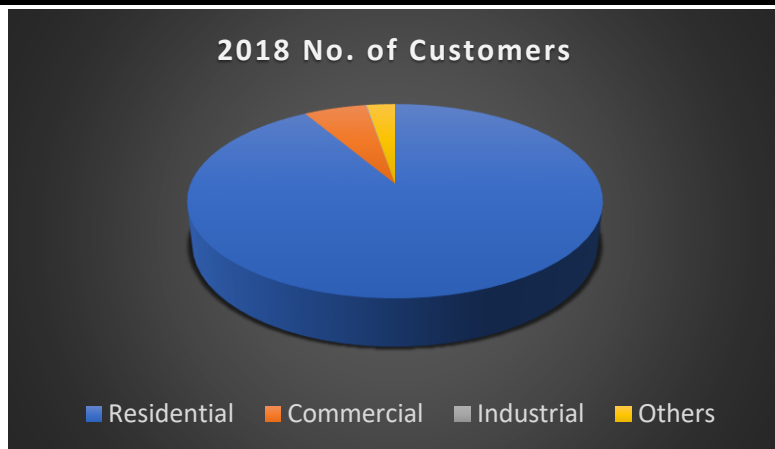


Number of Customer Connections in Franchise	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Residential	164,345	172,023	179,778	187,511	195,171	202,732	210,177	217,498	224,691	231,755	238,693
Commercial	10,369	10,596	10,921	11,273	11,651	12,055	12,486	12,943	13,426	13,936	14,472
Industrial	181	191	202	211	221	229	238	245	253	260	267
Others	4,683	4,814	4,960	5,102	5,239	5,373	5,502	5,628	5,751	5,870	5,987
Total (Captive Customers)	179,578	187,625	195,861	204,097	212,282	220,389	228,402	236,314	244,120	251,821	259,418

The increase is attributable to the continuously growing number of billed connections from captive market.

Urbanization and industrialization is remarkable not only in Calapan City but also in some of our municipalities.

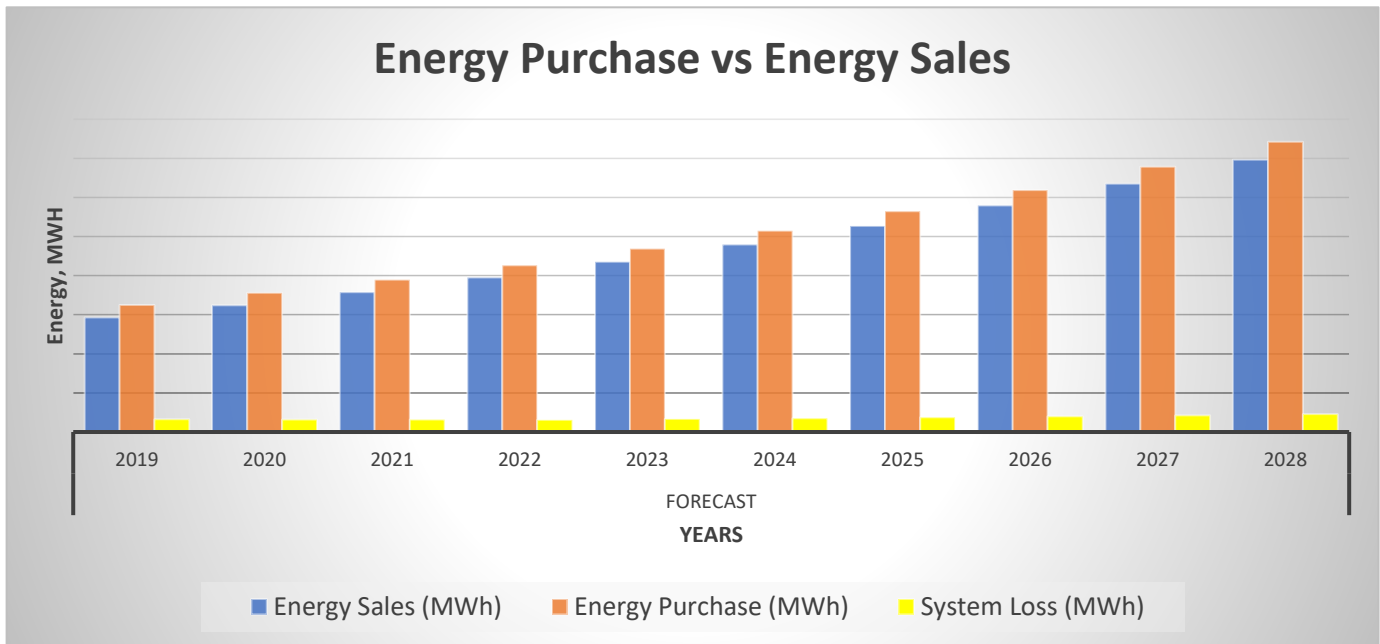
Commercial buildings, resorts, industries like rice mill plants, new public buildings are continuously sprouts in the coverage area.



ENERGY SALES AND PURCHASE

ENERGY SALES AND PURCHASE	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Energy Sales (MWh)	122,323	136,455	141,867	155,735	169,672	183,780	199,364	216,050	236,614	265,744
Energy Purchase (MWh)	138,575	153,115	157,191	171,671	187,367	204,740	224,371	243,288	265,477	301,015
System Loss (MWh)	16,215	16,660	15,325	16,593	18,471	21,750	25,007	27,239	28,863	35,271

ENERGY SALES AND PURCHASE	FORECAST									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Energy Sales (MWh)	292,582	323,839	357,927	395,044	435,434	479,372	527,147	579,058	635,411	696,515
Energy Purchase (MWh)	324,974	355,740	389,761	426,463	468,549	514,720	564,804	619,097	678,259	742,295
System Loss (MWh)	32,391	31,901	31,833	31,419	33,114	35,348	37,658	40,039	42,848	45,780



Brief Highlight and Report

ORMECO, Inc.'s power providers, five (5) of 11 are all renewable energy suppliers i.e. Linao Cawayan Mini Hydro Power Plant - Lower, Linao Cawayan Mini Hydro Power Plant - Upper, Inabasan River Mini Hydro Power Plant, Catuiran Hydro Electric Power Plant and PHESI wind energy power facility and the rest are all conventional power suppliers i.e. DMCI Power Corporation, Power One Corporation, Ormin Power Incorporated, Mindoro Grid Corporation - Calapan City, Mindoro Grid Corporation - Bongabong and GBH Power Resources Incorporated. And the combinations of capacity of those RE providers has equivalent of 32% margin of the grid.

POWER SUPPLY PROCUREMENT PLAN

Connection to the contract durations, Mindoro Grid Corporation - Calapan City ended its contract last February 3 2020. While GBH Power Resources Inc. are scheduled on December 15 2020.

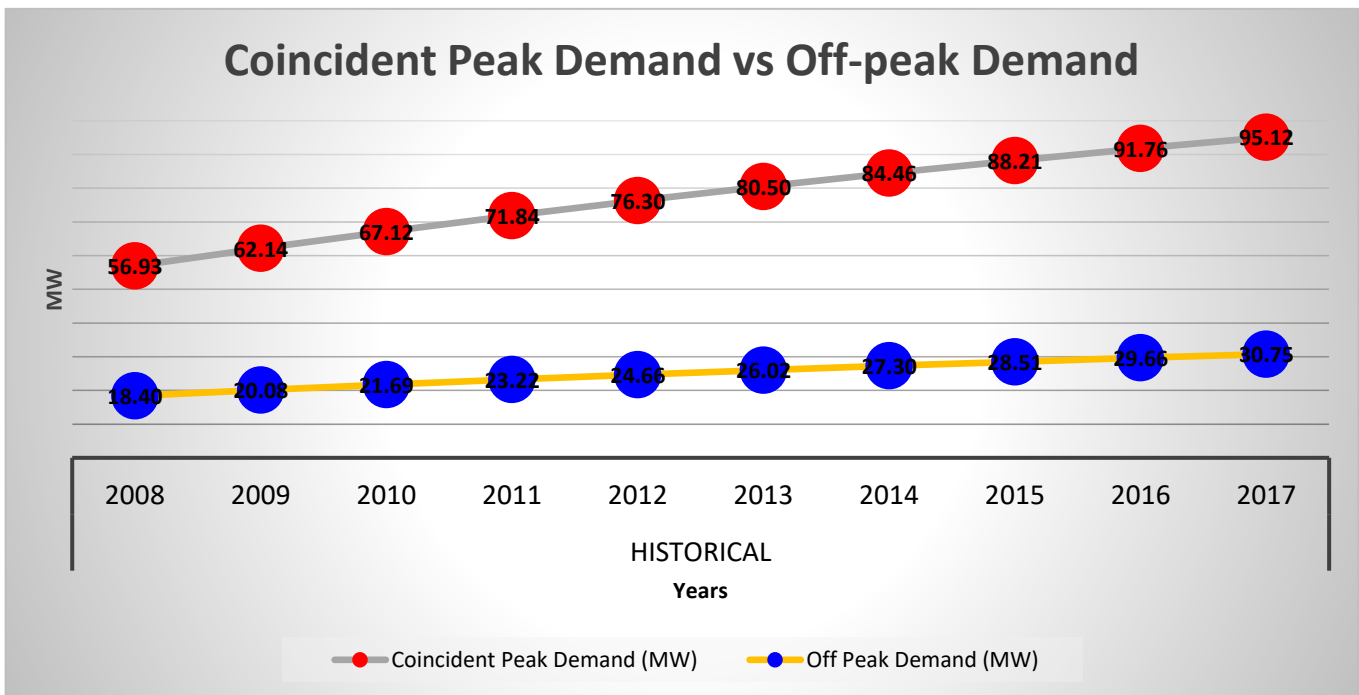
After the consecutive devastation of typhoons in Oriental Mindoro and the massive restoration activity, ORMECO, Inc are now focused on rehabilitation/correction works of the distribution networks and implementation of the CAPEX programs. This way, we implement those urgent projects of the cooperative in terms of system loss reductions that is kWhr meter replacements, upgrade of distribution lines, implementation of transformer load management, upgrading and splitting of overloaded transformers and upgrading/upgrading of our power substations.

DEMAND

Demand	HISTORICAL									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Coincident Peak Demand (MW)	28.32	27.00	28.93	30.30	33.52	39.02	42.70	42.27	45.75	52.10
Off Peak Demand (MW)	nd	nd	nd	nd	10.46	11.94	12.24	11.6	13.55	17.92

nd = no data

Demand	FORECASTED									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Coincident Peak Demand (MW)	56.93	62.14	67.12	71.84	76.30	80.50	84.46	88.21	91.76	95.12
Off Peak Demand (MW)	18.40	20.08	21.69	23.22	24.66	26.02	27.30	28.51	29.66	30.75

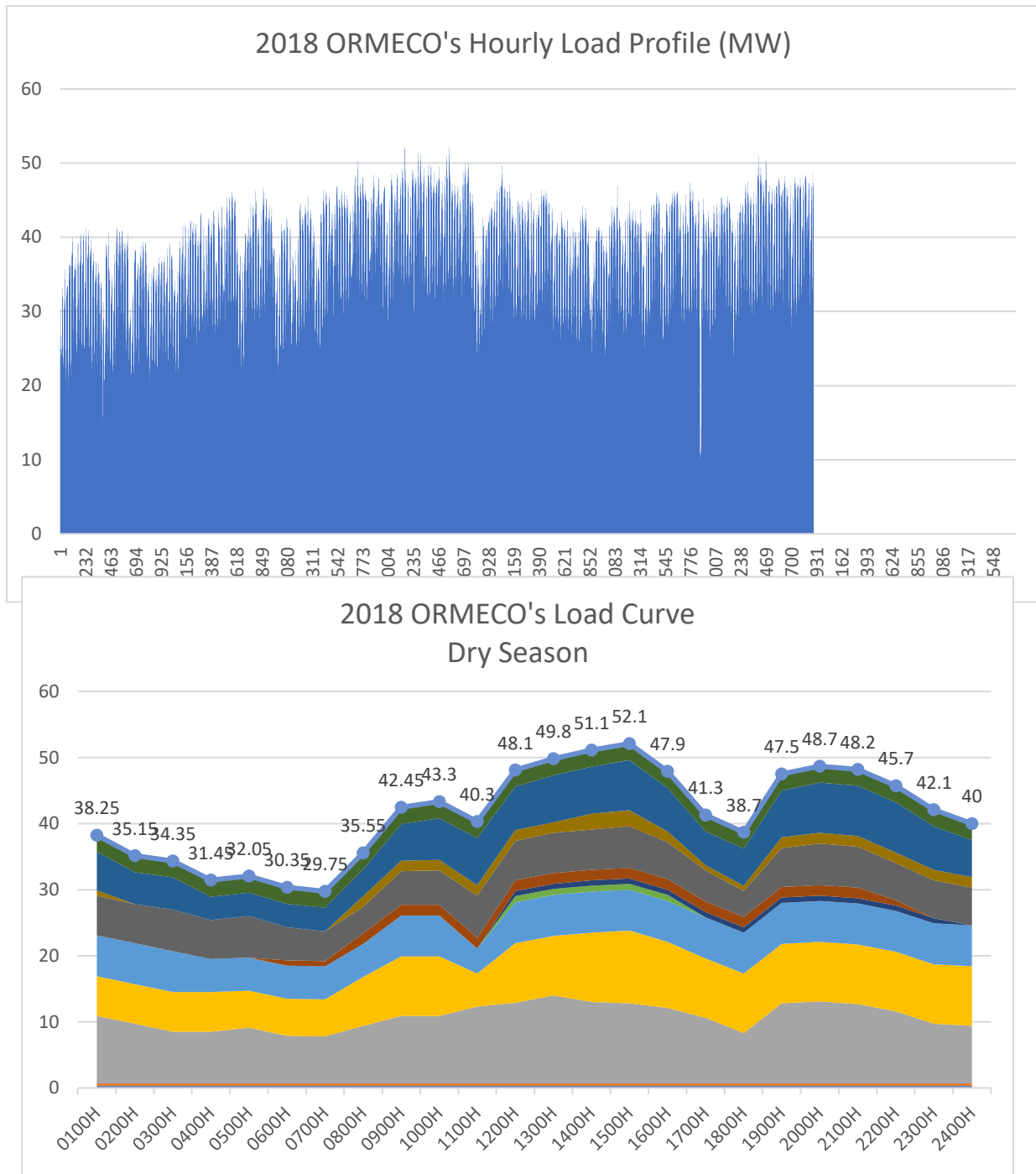


Brief highlight of historical demand and forecasting methodology and result

By 2016, the peak demand had been sustained due to decremental effect of TY Nona on December 2015. And due to continuously growing demand of whole province of Oriental Mindoro, we are back in track in terms of growing demand.

An average of 7% annual growth rate are expected for the next ten years. And a determined spot loads by next 5 years for regional public buildings that will rise in Calapan City and commercial investors in some high potential municipalities.

LOAD PROFILE AND LOAD DURATION CURVE



Brief highlight:

Based on the graph above, the ORMECO's marked peak demand last 2018 was 52.10MW and marked off-peak was 29.75MW during dry months. Based on the records, the system recorded 19.75MW off-peak demand on February 2018, when most of the tropical depressions that cause southeast monsoon hit the whole province of Oriental Mindoro which resulted a cold and rainy season of almost whole month duration.

POWER SUPPLY PROCUREMENT PLAN

The graph is erratic against to the other distribution utilities because ORMECO, Inc. belongs to small power utilities group (SPUG) and to the Small Island / Isolated Grid (SIIG) which more of the customers attended are residential and small commercial types.

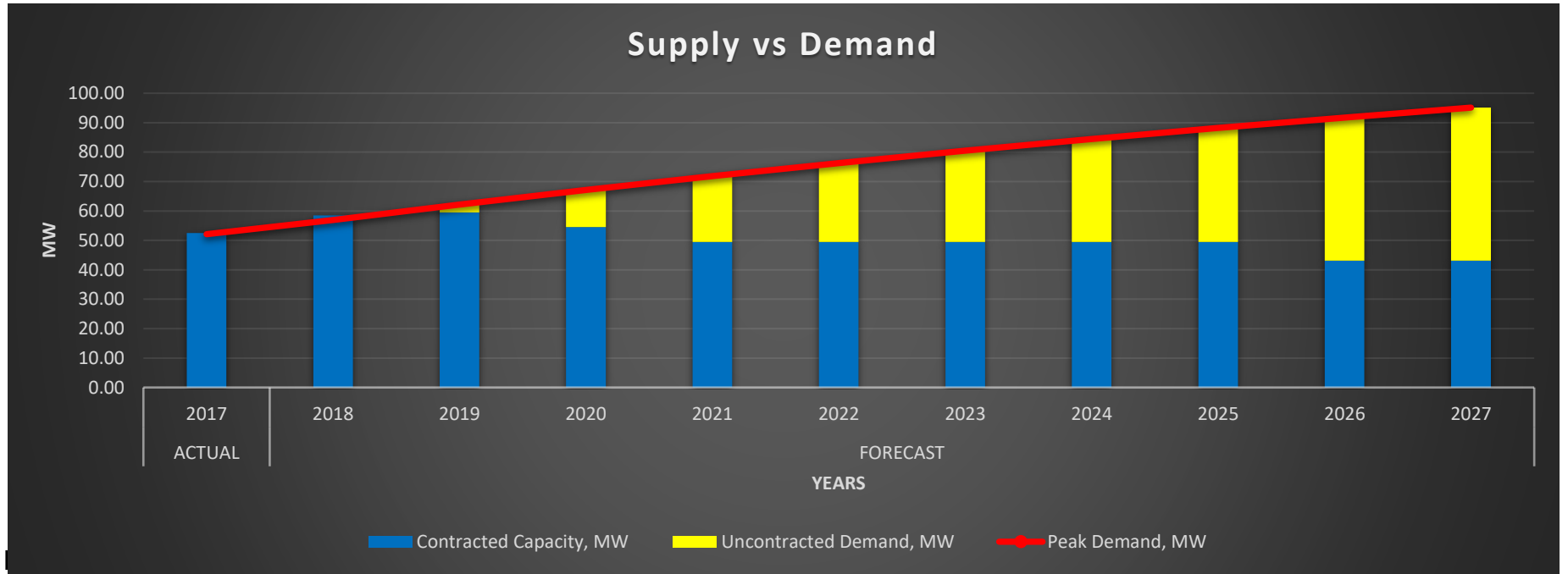
POWER SUPPLY PROCUREMENT PLAN

MIX SUPPLY VS DEMAND AND THE OPTIMAL SUPPLY

Supply Demand	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Peak Demand, MW	52.10	56.93	62.14	67.12	71.84	76.30	80.50	84.46	88.21	91.76	95.12
Contracted Capacity, MW	52.50	58.50	59.50	54.50	49.50	49.50	49.50	49.50	49.50	43.10	43.10
LCMHHP LOWER CASCADE	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
LCMHHP UPPER CASCADE	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
DMCI POWER CORPORATION	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
POWER ONE CORPORATION	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
ORMIN POWER INC.	6.40	6.40	6.40	6.40	6.40	6.40	6.40	6.40	6.40	-	-
MINDORO GRID CORPORATION CALAPAN CITY	5.00	5.00	-	-	-	-	-	-	-	-	-
MINDORO GRID CORPORATION BONGABONG	5.00	5.00	5.00	5.00	-	-	-	-	-	-	-
GBH POWER RESOURCE INC.	5.00	5.00	5.00	-	-	-	-	-	-	-	-
CATUIRAN HYDRO ELECTRIC POWER PLANT	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
INABASAN RIVER MINI HYDRO POWER PLANT	-	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
PHESI WIND ENERGY POWER FACILITY	-	-	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Uncontracted Demand, MW	0.00	0.00	2.64	12.62	22.34	26.80	31.00	34.96	38.71	48.66	52.02

Supply Demand	ACTUAL	FORECAST									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Peak Demand, MW	52.10	56.93	62.14	67.12	71.84	76.30	80.50	84.46	88.21	91.76	95.12
Operating Capacity, MW	48.70	49.30	53.50	49.30	44.30	44.30	44.30	44.30	44.30	37.10	37.10
LCMHHP LOWER CASCADE	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
LCMHHP UPPER CASCADE	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DMCI POWER CORPORATION	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
POWER ONE CORPORATION	9.00	9.00	11.20	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
ORMIN POWER INC.	6.40	6.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	-	-
MINDORO GRID CORPORATION CALAPAN CITY	5.00	5.00	-	-	-	-	-	-	-	-	-
MINDORO GRID CORPORATION BONGABONG	5.00	5.00	5.00	5.00	-	-	-	-	-	-	-
GBH POWER RESOURCE INC.	5.00	5.00	5.00	-	-	-	-	-	-	-	-
CATUIRAN HYDRO ELECTRIC POWER PLANT	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
INABASAN RIVER MINI HYDRO POWER PLANT	-	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHESI WIND ENERGY POWER FACILITY	-	-	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Supply for PSA Approval, MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>none</i>											
Uncontracted Demand, MW	3.40	7.63	8.64	17.82	27.54	32.00	36.20	40.16	43.91	54.66	58.02

POWER SUPPLY PROCUREMENT PLAN



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)
Linao Cawayan Mini Hydro Power Plant - Lower Cascade	ORMECO, Inc	45% to 100%	01/12	n/a	1.20	n/a	Base Load	Grid Connected	Utility-owned	Commercial Operation	Hydro	2.18	2.10
Linao Cawayan Mini Hydro Power Plant - Upper Cascade	ORMECO, Inc	45% to 100%	02/15	n/a	1.50	n/a	Base Load	Embedded	Utility-owned	-	Hydro	3.24	3.00
Power One Corporation	POC	70% to 100%	05/12	05/32	9.00	6,570 per month	Base Load	Embedded	NPP	Commercial Operation	Bunker C Diesel	15.30	12.40

POWER SUPPLY PROCUREMENT PLAN

GBH Power Resources Inc.	GBH	50% to 100%	12/2000	12/20	5.00	3,600 per month	Base Load	Embedded	IPP	Commercial Operation	Bunker C Diesel	7.50	5.20
Ormin Power Inc.	OPI	70% to 100%	11/11	11/26	6.40	4,939.2 per month	Base Load	Embedded	NPP	Commercial Operation	Bunker C Diesel	9.89	7.40
Mindoro Grid Corporation - Calapan City	MGC	80% to 100%	02/13	02/20	5.00	43,560 per year	Base Load/Regulating	Embedded	NPP	Commercial Operation	Diesel	10.00	7.60
Mindoro Grid Corporation - Bongabong	MGC	80% to 100%	03/13	03/22	5.00	43,560 per year	Base Load	Embedded	NPP	Commercial Operation	Diesel	15.00	6.50
DMCI Power Corporation	DMCI	90% to 100%	02/15	02/35	15.00	MEOT Base 1,800 per month / MEOT Regulation 1,800 per month except on April and May increase to 5,500 per month	Base Load/Regulating	Embedded	NPP	Commercial Operation	Bunker C Diesel	15.56	15.00
Inabasan River Mini Hydro Power Plant	OPI	45% to 100%	01/19	01/44	6.00	4,083 to 4,320 per month	Base Load	Grid Connected	NPP	Commercial Operation	Hydro	10.00	10.00

POWER SUPPLY PROCUREMENT PLAN

Catuiran Hydro Electric Power Plant	SPC	45% to 100%	11/18	11/43	4.40	38,554 per annum	Base Load	Grid Connected	NPP	Commercial Operation	Hydro	8.80	8.00
PHESI Wind Energy Power Facility	PHESI	30% to 100%	12/19	12/44	6.00	5,500 per month	Base Load	Grid Connected	NPP	Commercial Operation	Wind	16.00	16.00

As of December 2018, the Small Grid (69kV Transmission Line) owned by the National Power Corporation is not yet rehabilitated after the hit of TY Nona last December 2015. The capacity load factors of each IPP/NPP is abnormal and limited due to this situation. In order to supply the needed requirement per municipalities, we maximized the existing contracts that was tangible and flexible, which is the contract between the Mindoro Grid Corporation whose gensets are all modular and diesel fueled.

Mid of 2019, it is scheduled to complete the total rehabilitation project of the NPC for their 69kV Transmission Line yet it was energized last January 6, 2020. We are expecting to a substantial effect to the capacity load factor of each plants. And there will be a great impact on dispatch protocol even on mix generation capacity due to the participations of the renewable energy suppliers.

In additional, we also provided the forecasted operating capacity of each plant as per reference to their existing net plant dependable capacity. We can refer to our "Annex Monthly Data for the detail load allocations and dependable capacity versus to the monthly forecast peak demand.

The current Subsidized Approved Generation Rate for Oriental Mindoro is PhP5.6404 per kWhr.

DISTRIBUTION IMPACT STUDY

The study mainly focused on creating the most reliable power system model to address the increasing power demand of the Province and in line to the upcoming expiration of the ESA of GBH Power Resources, Inc. and Mindoro Grid Corporation (MGC) – Calapan and Bongabong.

The study includes the load demand forecasts covering 2020 to 2024, through Regression Analysis, which are based on historical data of Distribution Development Plan (DDP), Monthly Financial and Statistical Report (MFSR), and Feeder data from 2010 to 2018. The study presents load flow, stability, and forecasted demand and capacity through various simulations using engineering software.

In order to perform a System Impact Study, engineering software will simulate the ORMECO, Inc. power system model for appropriate representation of load and generation for the five year time frame/forecasts. These models will include existing transmission line and IPPs, as well as the incoming IPPs with installed plant capacity of 16 MW and dependable capacity of 6 MW and outgoing IPP's with installed plant capacity of 32.5MW and total dependable capacity of 21MW.

This study limits on the load demand and the dependable capacity forecast from the year 2020 to 2024, the additional capacity needed per year, and the location of each proposed additional power producers in the province of Oriental Mindoro.

Recommendations

- The proposed power providers should be an open type technology and must deliver the needed dependable capacity of 30MW in 2021 as mid-merit and peaking type of power plant and 10MW in 2024 as base load type of power plant located at the Southern part of Oriental Mindoro.
- Fault Circuit Analysis and Distribution System's Overcurrent Protection on and Coordination should be performed for the enhancement of ORMECO's present distribution system.
- Conduct Feasibility Study with regard to Economic Impact of the upcoming power providers in order to identify the type of required power plant technology.
- Optimal and strategic placement of new substations across the province must be considered.
- To support the addition of power plants stated above , the following modifications are recommended from 2020 to 2024:
 - Installation of new substation in Mansalay with 5MVA power transformers to unload the 5MVA power transformer of Roxas
 - Installation of new substation in Calapan City with 50MVA power transformers to unload the 20 MVA power transformer of NPC
 - Additional 5 MVA and 10MVA power transformer in Naujan and Pinamalayan substation, respectively.
 - Re-conductoring of feeder lines must be prioritized.

POWER SUPPLY PROCUREMENT PLAN

SCHEDULE OF CSP

Base / mid-merit / peaking	For CSP		Proposed contract period (MM/YYYY)		Proposed schedule (MM/YYYY)						
	Demand (MW)	Energy (MWh)	Start Month and Year	End Month and Year	Publication of Invitation to Bid	Pre-bid Conference	Submission and Opening of Bids	Bid Evaluation	Awarding	PSA Signing	Joint Application to ERC
Mid-merit/ Base	30.0*		1-Mar-22**	1-Mar-37	1-Jul-20	22-Jul-20	20-Sep-20	27-Sep-20	20-Oct-20	19-Nov-20	28-Nov-20
xxxxx											

Note: * - The 30.0MW installed capacity, Open Type Technology with a Mid-Merit/Base capable Power Plant.

** - The proposed contract period will be 15 year duration which will start on March 2022. It also means that there will be an Interim Power Supply agreement(which will be indicated in the propose Term of Reference of CSP) which are expected to deliver during the construction of the 30MW main power plant.

10 Year Monthly Data

Year	Forecast			Contracted and For PSA Approval Energy and Operating Demand		Uncontracted Demand and Energy		Committed for CSP	
	Coincidence Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Uncontracted Energy (MWh)	Demand (MW)	Energy (MWh)
2019									
Jan	47.15	18.40	23,759.83	64.40	35,473.03	17.25	(11,713.21)		
Feb	47.64	21.05	24,045.10	64.40	35,473.03	16.76	(11,427.93)		
Mar	50.86	22.70	24,044.17	49.30	35,473.03	(1.56)	(11,428.86)		
Apr	54.96	27.40	27,596.93	49.30	39,173.03	(5.66)	(11,576.11)		
May	56.93	28.90	29,414.56	49.30	39,173.03	(7.63)	(9,758.48)		
Jun	54.63	24.70	28,974.80	49.30	35,473.03	(5.33)	(6,498.24)		
Jul	50.64	29.90	26,128.33	54.90	35,473.03	4.26	(9,344.71)		
Aug	51.79	24.80	27,616.40	54.90	35,473.03	3.11	(7,856.64)		
Sep	55.72	21.50	28,240.14	57.90	35,473.03	2.18	(7,232.89)		
Oct	53.48	23.00	29,740.80	57.90	40,973.03	4.42	(11,232.24)		
Nov	51.41	23.80	28,968.49	57.90	40,973.03	6.49	(12,004.55)		
Dec	52.23	24.50	26,444.25	57.90	40,973.03	5.67	(14,528.79)		
2020									
Jan	51.46	20.08	26,009.22	64.97	40,973.03	13.51	(14,963.82)		
Feb	52.00	22.98	26,321.50	62.60	40,973.03	10.60	(14,651.53)		
Mar	55.52	24.78	26,320.48	50.50	37,343.03	(5.02)	(11,022.55)		
Apr	59.99	29.91	30,209.58	53.50	41,043.03	(6.49)	(10,833.45)		
May	62.14	31.54	32,199.29	53.50	41,043.03	(8.64)	(8,843.74)		
Jun	59.63	26.96	31,717.90	49.50	37,343.03	(10.13)	(5,625.14)		
Jul	55.28	32.64	28,601.95	55.40	37,343.03	0.12	(8,741.09)		
Aug	56.53	27.07	30,230.90	55.40	37,343.03	(1.13)	(7,112.14)		
Sep	60.82	23.47	30,913.69	55.00	37,343.03	(5.82)	(6,429.34)		
Oct	58.38	25.10	32,556.42	55.00	37,343.03	(3.38)	(4,786.62)		
Nov	56.11	25.98	31,710.99	55.00	37,343.03	(1.11)	(5,632.04)		
Dec	57.01	26.74	28,947.78	52.80	37,343.03	(4.21)	(8,395.26)		
2021									
Jan	55.59	21.69	28,496.58	57.20	37,343.03	1.61	(8,846.45)		
Feb	56.17	24.82	28,838.73	58.40	33,743.03	2.23	(4,904.30)		
Mar	59.97	26.76	28,837.61	46.30	33,743.03	(13.67)	(4,905.42)		
Apr	64.80	32.31	33,098.65	49.30	37,443.03	(15.50)	(4,344.38)		
May	67.12	34.07	35,278.64	49.30	37,443.03	(17.82)	(2,164.39)		
Jun	64.41	29.12	34,751.21	45.30	33,743.03	(19.11)	1,008.17		
Jul	59.71	35.25	31,337.27	51.20	33,743.03	(8.51)	(2,405.77)		
Aug	61.06	29.24	33,122.00	51.20	33,743.03	(9.86)	(621.03)		
Sep	65.70	25.35	33,870.09	51.20	33,743.03	(14.50)	127.06		
Oct	63.06	27.12	35,669.92	51.20	33,743.03	(11.86)	1,926.89		
Nov	60.61	28.06	34,743.64	51.20	33,743.03	(9.41)	1,000.61		
Dec	61.58	28.89	31,716.17	50.00	33,743.03	(11.58)	(2,026.86)		

POWER SUPPLY PROCUREMENT PLAN

2022									
Jan	59.50	23.22	31,180.02	57.20	33,743.03	(2.30)	(2,563.01)		
Feb	60.12	26.56	31,554.39	57.40	33,743.03	(2.72)	(2,188.64)		
Mar	64.19	28.65	31,553.17	49.30	33,743.03	(14.89)	(2,189.87)		
Apr	69.36	34.58	36,215.45	44.30	33,813.03	(25.06)	2,402.42		
May	71.84	36.47	38,600.73	44.30	33,813.03	(27.54)	4,787.69		
Jun	68.94	31.17	38,023.63	40.80	30,113.03	(28.14)	7,910.59		
Jul	63.91	37.73	34,288.20	46.20	30,113.03	(17.71)	4,175.17		
Aug	65.36	31.30	36,241.00	46.20	30,113.03	(19.16)	6,127.97		
Sep	70.32	27.13	37,059.54	46.20	30,113.03	(24.12)	6,946.51		
Oct	67.50	29.03	39,028.85	46.20	30,113.03	(21.30)	8,915.82		
Nov	64.88	30.04	38,015.35	46.20	30,113.03	(18.68)	7,902.31		
Dec	65.91	30.92	34,702.79	45.00	30,113.03	(20.91)	4,589.75		
2023									
Jan	63.19	24.66	34,257.02	54.20	30,113.03	(8.99)	4,143.99		
Feb	63.85	28.21	34,668.34	55.40	30,113.03	(8.45)	4,555.30		
Mar	68.17	30.42	34,666.99	44.30	30,113.03	(23.87)	4,553.96		
Apr	73.66	36.72	39,789.37	44.30	33,813.03	(29.36)	5,976.34		
May	76.30	38.73	42,410.04	44.30	33,813.03	(32.00)	8,597.01		
Jun	73.22	33.10	41,775.99	40.80	30,113.03	(32.42)	11,662.96		
Jul	67.88	40.07	37,671.94	46.20	30,113.03	(21.68)	7,558.90		
Aug	69.41	33.24	39,817.45	46.20	30,113.03	(23.21)	9,704.41		
Sep	74.69	28.82	40,716.76	46.20	30,113.03	(28.49)	10,603.73		
Oct	71.68	30.83	42,880.41	46.20	30,113.03	(25.48)	12,767.38		
Nov	68.90	31.90	41,766.89	46.20	30,113.03	(22.70)	11,653.86		
Dec	70.00	32.84	38,127.43	45.00	30,113.03	(25.00)	8,014.40		
2024									
Jan	66.67	26.02	37,632.75	54.20	30,113.03	(12.47)	7,519.72		
Feb	67.37	29.77	38,084.60	55.40	30,113.03	(11.97)	7,971.57		
Mar	71.92	32.10	38,083.12	44.30	30,113.03	(27.62)	7,970.09		
Apr	77.72	38.75	43,710.27	44.30	33,813.03	(33.42)	9,897.24		
May	80.50	40.87	46,589.18	44.30	33,813.03	(36.20)	12,776.15		
Jun	77.25	34.93	45,892.65	40.80	30,113.03	(36.45)	15,779.62		
Jul	71.61	42.28	41,384.18	46.20	30,113.03	(25.41)	11,271.14		
Aug	73.24	35.07	43,741.11	46.20	30,113.03	(27.04)	13,628.07		
Sep	78.80	30.40	44,729.04	46.20	30,113.03	(32.60)	14,616.01		
Oct	75.63	32.52	47,105.91	46.20	30,113.03	(29.43)	16,992.87		
Nov	72.70	33.66	45,882.66	46.20	30,113.03	(26.50)	15,769.62		
Dec	73.85	34.65	41,884.56	45.00	30,113.03	(28.85)	11,771.53		
2025									
Jan	69.95	27.30	41,294.58	54.20	30,113.03	(15.75)	11,181.55		
Feb	70.68	31.23	41,790.39	55.40	30,113.03	(15.28)	11,677.36		
Mar	75.47	33.68	41,788.78	44.30	30,113.03	(31.17)	11,675.74		
Apr	81.55	40.65	47,963.47	44.30	33,813.03	(37.25)	14,150.43		
May	84.46	42.88	51,122.51	44.30	33,813.03	(40.16)	17,309.47		
Jun	81.06	36.65	50,358.20	40.80	30,113.03	(40.26)	20,245.17		
Jul	75.14	44.36	45,411.04	46.20	30,113.03	(28.94)	15,298.00		
Aug	76.84	36.80	47,997.30	46.20	30,113.03	(30.64)	17,884.27		
Sep	82.68	31.90	49,081.37	46.20	30,113.03	(36.48)	18,968.34		
Oct	79.36	34.13	51,689.51	46.20	30,113.03	(33.16)	21,576.48		
Nov	76.28	35.31	50,347.24	46.20	30,113.03	(30.08)	20,234.20		

POWER SUPPLY PROCUREMENT PLAN

Dec	77.49	36.35	45,960.11	45.00	30,113.03	(32.49)	15,847.07		
2026									
Jan	73.06	28.51	45,264.09	54.20	30,113.03	(18.86)	15,151.06		
Feb	73.82	32.62	45,807.56	55.40	30,113.03	(18.42)	15,694.53		
Mar	78.82	35.18	45,805.79	44.30	30,113.03	(34.52)	15,692.76		
Apr	85.16	42.46	52,574.03	44.30	33,813.03	(40.86)	18,761.00		
May	88.21	44.78	56,036.74	44.30	33,813.03	(43.91)	22,223.71		
Jun	84.66	38.27	55,198.96	40.80	30,113.03	(43.86)	25,085.93		
Jul	78.48	46.33	49,776.25	46.20	30,113.03	(32.28)	19,663.21		
Aug	80.25	38.43	52,611.12	46.20	30,113.03	(34.05)	22,498.09		
Sep	86.35	33.32	53,799.40	46.20	30,113.03	(40.15)	23,686.37		
Oct	82.88	35.64	56,658.25	46.20	30,113.03	(36.68)	26,545.22		
Nov	79.66	36.88	55,186.95	46.20	30,113.03	(33.46)	25,073.91		
Dec	80.93	37.96	50,378.10	39.00	25,173.83	(41.93)	25,204.26		
2027									
Jan	76.00	29.66	49,589.60	48.20	25,173.83	(27.80)	24,415.77		
Feb	76.79	33.93	50,185.01	48.20	25,173.83	(28.59)	25,011.17		
Mar	81.98	36.59	50,183.06	37.10	25,173.83	(44.88)	25,009.23		
Apr	88.59	44.17	57,598.09	37.10	28,873.83	(51.49)	28,724.26		
May	91.76	46.58	61,391.70	37.10	28,873.83	(54.66)	32,517.87		
Jun	88.06	39.81	60,473.86	33.60	25,173.83	(54.46)	35,300.03		
Jul	81.63	48.20	54,532.94	39.00	25,173.83	(42.63)	29,359.11		
Aug	83.48	39.97	57,638.73	39.00	25,173.83	(44.48)	32,464.89		
Sep	89.82	34.66	58,940.55	39.00	25,173.83	(50.82)	33,766.72		
Oct	86.21	37.07	62,072.60	39.00	25,173.83	(47.21)	36,898.77		
Nov	82.86	38.36	60,460.70	39.00	25,173.83	(43.86)	35,286.86		
Dec	84.19	39.49	55,192.31	39.00	25,173.83	(45.19)	30,018.47		
2028									
Jan	78.78	30.75	54,271.48	48.20	25,173.83	(30.58)	29,097.65		
Feb	79.60	35.17	54,923.10	48.20	25,173.83	(31.40)	29,749.27		
Mar	84.99	37.93	54,920.97	37.10	25,173.83	(47.89)	29,747.14		
Apr	91.83	45.78	63,036.07	37.10	28,873.83	(54.73)	34,162.24		
May	95.12	48.29	67,187.85	37.10	28,873.83	(58.02)	38,314.02		
Jun	91.29	41.27	66,183.36	35.60	25,173.83	(55.69)	41,009.52		
Jul	84.62	49.96	59,681.54	39.00	25,173.83	(45.62)	34,507.70		
Aug	86.54	41.44	63,080.54	39.00	25,173.83	(47.54)	37,906.71		
Sep	93.11	35.93	64,505.28	39.00	25,173.83	(54.11)	39,331.45		
Oct	89.37	38.43	67,933.03	39.00	25,173.83	(50.37)	42,759.20		
Nov	85.90	39.77	66,168.95	39.00	25,173.83	(46.90)	40,995.11		
Dec	87.27	40.94	60,403.15	39.00	25,173.83	(48.27)	35,229.32		