

GRAND HAVEN BOARD OF LIGHT AND POWER MEETING AGENDA
Thursday, January 16, 2025
Meeting to be held at 1700 Eaton Drive
6:00 PM

1. Call to Order / Roll Call / Excuse Absent Members
2. Approve Meeting Agenda (1) *
3. Pledge of Allegiance
4. Public Comment Period
5. Community Energy Plan Presentation
6. Consent Agenda (1)
 - A. Approve Minutes
 1. December 19, 2024 Regular Meeting Minutes*
 - B. Receive and File: December Financial Statements, Power Supply & Retail Sales Dashboards *
 - C. Receive and File: December Key Performance Indicators (KPI) Dashboard *
 - D. Receive and File: MPPA ESP Resource Position Report (dated 12/23/2024) *
 - E. Approve Payment of Bills (\$2,624,112.28 in total)
 1. In the amount of \$2,297,348.28 from the Operation & Maintenance Fund
 2. In the amount of \$326,764.00 from the Renewal & Replacement Fund
 - F. Approve Confirming Purchase Orders (\$16,225 in total)
 1. PO #23286, Insight Public Sector, \$10,300 (CY2025 O365 Subscription)
 2. PO #23297, ESRI, \$5,925 (CY2025 GIS Software Subscription)
7. General Manager's Report *
 - A. Approve Purchase Orders (\$32,353 in total) (1)
 1. PO #23298, CDW, \$8,300 (FY2025 Computer Replacements - 4 Laptops)
 2. PO #23300, Pleune, \$24,053 (New HVAC Roof Top Unit for Eaton Dr)
 - B. Strategic Goals Quarterly Update – Community Engagement * (3)
 - C. PA235 Renewable Energy Plan * (1)
8. Chairman's Report
 - A. Governance Training – Lessons 14 Discussion (3)
 - B. Governance Training – Watch Lesson 15 for February Discussion (3)
9. Other Business
10. Public Comment Period
11. Adjourn

Notes:

- (1) Board Action Required
- (2) Future Board Action
- * Information Enclosed

- (3) Information RE: Policy or Performance
- (4) General Information for Business or Education

GRAND HAVEN BOARD OF LIGHT AND POWER
MINUTES
DECEMBER 19, 2024

A regular meeting of the Grand Haven Board of Light and Power was held on Thursday, December 19, 2024, at 6:00 PM at the Board's office located at 1700 Eaton Drive in Grand Haven, Michigan and electronically via live Zoom Webinar.

The meeting was called to order at 6:00 PM by Chairperson Westbrook.

Present: Directors Knoth, Polyak, Welling, and Westbrook.

Absent: Director Crum.

Others Present: General Manager Rob Shelley, Secretary to the Board Danielle Martin, Finance Manager Lynn Diffell, Operations and Power Supply Manager Erik Booth, and Distribution and Engineering Manager Austin Gagnon.

24-17A Director Welling, supported by Director Knoth, moved to excuse Director Crum from the meeting due to a personal matter.

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.
Motion carried.

24-17B Director Welling, supported by Director Polyak, moved to approve the meeting agenda.

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.
Motion carried.

Pledge of Allegiance

Public Comment Period

No comments.

24-17C Director Welling, supported by Director Knoth, moved to approve the consent agenda. The consent agenda includes:

- Approve the minutes of the November 14, 2024 Regular Board Meeting
- Receive and File the November Financial Statements, Power Supply and Retail Sales Dashboards
- Receive and File the November Key Performance Indicator (KPI) Dashboard
- Receive and File the MPPA Energy Services Project Resource Position Report dated 11/26/2024
- Approve payment of bills in the amount of \$2,383,626.88 from the Operation & Maintenance Fund

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MINUTES
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- Approve payment of bills in the amount of \$133,615.64 from the Renewal & Replacement Fund
- Approve Purchase Order #23248 to Verdantas in the amount of \$39,500 for a Metronet pole attachment review

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.
Motion carried.

24-16D Director Welling, supported by Director Polyak, moved to approve the Purchase Orders. The Purchase Orders include:

- Purchase Order #22241-3 to the City of Grand Haven in the amount of \$160,351 for HDR CCR ground water sampling
- Purchase Order #23242 to Irby in the amount of \$22,756 for three 3 phase switches for BLP stock
- Purchase Order #23245 to Kent Power in the amount of \$639,545 for Harbor Drive underground labor
- Purchase Order #23254 to Morbark in the amount of \$58,963 for a replacement tree chipper
- Purchase Order #23256 to C&S Solutions in the amount of \$15,841 for a new underground locator
- Purchase Order #23258 to Great Blue Research in the amount of \$25,000 for the customer satisfaction survey
- Purchase Order #23262 to Utility Financial Solutions in the amount of \$42,500 for a rate study
- Purchase Order #23272 to the State of Michigan in the amount of \$8,700 for the 2025 NPDES permit

Purchase Order #22241-3 for groundwater monitoring is for associated costs through the end of fiscal year 2025. A purchase order for the next full year of monitoring is expected to be brought to the Board in June. Purchase Order #23272 is to keep the NPDES permit active for future projects if needed. No discharge activities have taken place, and none are currently planned to occur.

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.
Motion carried.

24-17E Director Welling, supported by Director Knoth, moved to approve the Performance Resolution for Municipalities.

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This resolution provides authority to the General Manager and Distribution and Engineering Manager to pull MDOT permits on the BLP's behalf.

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.

Motion carried.

24-17F Director Welling, supported by Director Polyak, moved to approve the Energy Services Project Power Purchase Commitment.

This transaction will raise the BLP's energy hedge and REC levels by approximately 10% for years 2027-2035. We are authorizing MPPA to buy energy and REC's on our behalf in advance to lock in competitive rates and compliance with PA235 requirements. The REC's can be sold later if they are not needed but it is our plan to use them.

Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.

Motion carried.

24-17G Eaton Drive Building Project Update

The General Manager reported the concept phase of the Eaton Drive building remodel project has been completed with Progressive AE. The key goals of this project are to create a better Board and all employee meeting space, provide a private office space for human resources, and to build a locker room for distribution employees. The estimated cost is approximately \$2.2 million and includes a higher quality insulated and heated garage than was originally proposed. All Directors expressed support for the project and in moving on to the design phase. The next Board action will be when the contract is brought for approval.

No formal action taken.

24-17H Director Welling, supported by Director Polyak, moved to approve the 26 invoices from Dickinson Wright totaling \$98,338.50.

Chairperson Westbrook and Director Welling met with Mayor Monetza, Derek Gajdos, Ashley Latsch, Erik Booth and Lynn Diffell to review the invoices. The invoices date back to November 2021 and include PFAs and CCR related work. At the meeting, Derek Gajdos presented an assessment of the bills in which the City will pay for PFAs and the BLP will pay for CCR related work. After review, there was unanimous agreement that the process was fair. Of the \$111,096 invoiced, the City will pay \$12,757.50 and the BLP will pay \$98,338.50. Going forward, Lynn Diffell and Derek Gajdos will work together to review the invoices before they come to the Board for approval. HDR has also been asked to invoice items as clearly as possible for easy determination of responsibility between the City (PFAs) and the BLP (CCR).

GRAND HAVEN BOARD OF LIGHT AND POWER
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Roll Call Vote:

In favor: Directors Knoth, Polyak, Welling and Westbrook; Opposed: None.
Motion carried.

24-17I Governance Training Lesson 13 “In-the-Weeds/Not In-the-Weeds” Discussion.

No formal action taken.

24-17J The Board will watch Governance Training Lesson 14 “Strategic Planning and the Role of the Governing Board” for discussion at the January meeting.

No formal action taken.

Other Business

The General Manager provided the following updates:

- Thanks to City staff for working with BLP staff on Harbor Island issues.
- The BLP is providing a truck for the New Year’s Eve ball drop downtown.
- Thanks to the Board members and employees who were able to attend the BLP’s holiday party last week. We received good feedback and felt the event was successful.
- The BLP’s lighting contest winners were announced today. Check out the BLP’s website to see a map of all entries.
- Congratulations to Kim Dutmers on her upcoming retirement. We will be hosting a luncheon to celebrate with Kim on Friday, December 20th.

Public Comment Period

No comments.

Adjournment

At 6:40 PM by motion of Director Welling, supported by Director Polyak, the December 19, 2024 Board meeting was unanimously adjourned.

Respectfully submitted,

Danielle Martin
Secretary to the Board

DM

**GRAND HAVEN BOARD OF LIGHT AND POWER
STATEMENT OF NET POSITION
FOR THE MONTH ENDING DECEMBER 2024**

	<u>DECEMBER 2024</u>	<u>DECEMBER 2023</u>
ASSETS		
CURRENT ASSETS		
CASH AND CASH EQUIVALENTS	\$27,723,672	\$21,593,984
ACCOUNTS RECEIVABLE	4,264,394	4,074,368
PREPAID	3,871	15,485
	<hr/>	<hr/>
	31,991,937	25,683,837
NON-CURRENT ASSETS		
DEPOSITS HELD BY MPIA	10,511,650	8,783,799
DEPOSITS HELD BY MPPA	2,500,000	2,500,000
ADVANCE TO CITY OF GRAND HAVEN	561,818	661,136
MITIGATION FUND	16,814,604	13,995,149
2021A BOND FUND	543,759	6,191,397
2021A BOND REDEMPTION FUND	2,608,011	2,599,375
	<hr/>	<hr/>
	33,539,842	34,730,856
CAPITAL ASSETS		
CONSTRUCTION IN PROGRESS	1,202,264	2,904,791
PROPERTY, PLANT AND EQUIPMENT	68,381,811	66,525,483
LESS ACCUMULATED DEPRECIATION	(31,098,890)	(31,370,237)
	<hr/>	<hr/>
	38,485,185	38,060,037
TOTAL ASSETS	<hr/> <hr/>	<hr/> <hr/>
	\$104,016,964	\$98,474,730
DEFERRED OUTFLOWS/(INFLOWS)		
PENSION/OPEB RELATED	3,736,804	4,681,112
	<hr/>	<hr/>
LIABILITIES		
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	1,339,565	1,472,659
SERIES 2021A BOND CURRENT	2,560,370	2,579,330
ACCRUED PAYROLL LIABILITIES	201,880	198,655
CUSTOMER DEPOSITS	956,887	994,916
ACCRUED TRANSFER FUND	147,091	142,550
	<hr/>	<hr/>
	5,205,793	5,388,110
LONG TERM LIABILITIES		
ASSET RETIREMENT OBLIGATION - MITIGATION	17,216,980	16,814,727
ACCRUED SICK AND PTO	239,052	250,853
SERIES 2021A BOND	17,900,000	20,300,000
NET PENSION LIABILITIES	5,491,563	6,301,362
NET OTHER POST EMPLOYMENT BENEFIT	929,482	500,888
	<hr/>	<hr/>
	41,777,077	44,167,830
TOTAL LIABILITIES	<hr/>	<hr/>
	46,982,870	49,555,940
NET POSITION		
BEGINNING OF THE YEAR	56,080,669	48,794,255
YTD INCREASE IN NET ASSETS	4,690,229	4,805,647
NET POSITION	<hr/>	<hr/>
	60,770,898	53,599,902
TOTAL LIABILITIES AND EQUITY	<hr/> <hr/>	<hr/> <hr/>
	\$107,753,768	\$103,155,842

**GRAND HAVEN BOARD OF LIGHT AND POWER
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE MONTH OF DECEMBER 2024**

	Current Period Actual	YTD Actual	YTD Budget	Variance Over (Under)	Percent Variance Actual vs Budget	Previous Year Current Period	Previous Year YTD	Variance Over (Under)	Percent Variance Actual vs Last Year
Operating Revenue									
Residential Sales	\$ 1,049,382	\$ 7,044,549	\$ 6,801,842	\$ 242,707	3.57%	\$ 1,004,025	\$ 6,829,133	\$ 215,416	3.15%
Commercial Sales	807,250	5,506,976	5,474,334	32,642	0.60%	775,857	5,401,368	105,608	1.96%
Industrial Sales	905,378	5,897,213	6,207,767	(310,554)	-5.00%	896,793	6,137,481	(240,268)	-3.91%
Municipal Sales	79,153	550,486	520,790	29,696	5.70%	74,064	531,284	19,202	3.61%
Total Charges for Services	2,841,163	18,999,224	19,004,733	(5,509)	-0.03%	2,750,739	18,899,266	99,958	0.53%
Street Lighting	28,103	168,389	168,000	389	0.23%	27,624	169,843	(1,454)	-0.86%
Other Revenue	14,699	380,076	149,799	230,277	153.72%	15,761	209,921	170,155	81.06%
Total Operating Revenue	2,883,965	19,547,689	19,322,532	225,157	1.17%	2,794,124	19,279,030	268,659	1.39%
Operating Expenses									
Net Purchased Power	1,578,971	10,041,024	10,279,045	(238,021)	-2.32%	1,385,456	9,330,816	710,208	7.61%
Distribution Operations	106,655	685,554	894,400	(208,846)	-23.35%	193,254	813,841	(128,287)	-15.76%
Distribution Maintenance	232,147	1,461,514	1,765,544	(304,030)	-17.22%	315,042	1,586,013	(124,499)	-7.85%
Energy Optimization	12,525	92,821	162,499	(69,678)	-42.88%	15,474	76,534	16,287	21.28%
Administration	221,498	1,445,871	1,561,269	(115,398)	-7.39%	281,736	1,433,265	12,606	0.88%
Legacy Pension Expense	14,513	76,836	249,999	(173,163)	-69.27%	31,671	245,937	(169,101)	-68.76%
Operating Expenses Before Depreciation	2,166,309	13,803,620	14,912,756	(1,109,136)	-7.44%	2,222,633	13,486,406	317,214	2.35%
Operating Changes Before Depreciation	717,656	5,744,069	4,409,776	1,334,293	30.26%	571,491	5,792,624	(48,555)	-0.84%
Depreciation	186,486	1,110,764	1,090,406	20,358	1.87%	175,263	1,051,539	59,225	5.63%
Operating Changes	531,170	4,633,305	3,319,370	1,313,935	39.58%	396,228	4,741,085	(107,780)	-2.27%
Nonoperating Revenue/(Expenses)	79,259	515,186	309,109	206,077	66.67%	96,378	539,689	(24,503)	-4.54%
Asset Retirement Expense	-	24,698	-	24,698	#DIV/0!	-	-	24,698	#DIV/0!
Environmental Surcharge	72,554	500,443	499,998	445	0.09%	72,634	503,504	(3,061)	-0.61%
Non-Operating Revenue/(Expenses)	151,813	1,040,327	809,107	231,220	28.58%	169,012	1,043,193	(2,866)	-0.27%
Transfers to City of Grand Haven	(147,091)	(983,403)	(950,237)	(33,166)	3.49%	(142,550)	(978,631)	(4,772)	0.49%
Increase in Net Assets	\$ 535,892	\$ 4,690,229	\$ 3,178,240	\$ 1,511,989	47.57%	\$ 422,690	\$ 4,805,647	\$ (115,418)	-2.40%

**GRAND HAVEN BOARD OF LIGHT AND POWER
POWER SUPPLY DASHBOARD
FOR THE MONTH OF DECEMBER 2024**

Power Supply for Month (kWh)	<u>FY2025</u>		<u>FY2024</u>	
Net Purchased (Sold) Power	15,070,753	75.38%	17,284,254	79.80%
Renewable Energy Purchases	4,923,595	24.62%	4,374,619	20.20%
Monthly Power Supply Total	19,994,348		21,658,873	
Days in Month	31		31	
Average Daily kWh Supply for Month	644,979		698,673	
% Change	-7.69%			

Power Supply FYTD	<u>FY2025</u>		<u>FY2024</u>	
Net Purchased (Sold) Power	106,257,036	74.78%	112,738,705	77.78%
Renewable Energy Purchases	35,839,286	25.22%	32,209,585	22.22%
FYTD Power Supply Total	142,096,322		144,948,290	
FYTD Days (from 7/1)	184		184	
Average Daily kWh Supply FYTD	772,263		787,762	
% Change	-1.97%			

	<u>FY2025</u>		<u>FY2024</u>
Net Purchased Power Expenses	\$10,041,024		\$9,330,816
% Change	7.61%		
Net Energy Expenses per kWh Supplied to System FYTD	\$0.07066		\$0.06437
% Change	9.77%		

**GRAND HAVEN BOARD OF LIGHT AND POWER
SALES DASHBOARD
FOR THE MONTH OF DECEMBER 2024**

<u>Monthly Retail Customers</u>	<u>FY2025</u>		<u>FY2024</u>	
Residential	13,240	87.52%	13,112	87.43%
Commercial	1,648	10.89%	1,643	10.96%
Industrial	126	0.83%	127	0.85%
Municipal	114	0.75%	115	0.77%
Total	15,128		14,997	
<u>Monthly Energy Sold (kWh)</u>				
Residential	6,941,054	33.38%	6,744,753	32.38%
Commercial	5,725,358	27.53%	5,658,116	27.16%
Industrial	7,449,469	35.82%	7,722,928	37.08%
Municipal	613,322	2.95%	627,380	3.01%
Retail Monthly Total	20,729,203	99.68%	20,753,177	99.64%
Street Lighting	66,718	0.32%	75,610	0.36%
Total Monthly Energy Sold	20,795,921		20,828,787	
Days in Primary Meter Cycle	30		30	
kWh Sold per Day	693,197		694,293	
% Change	-0.16%			

<u>Energy Sold (kWh) FYTD</u>	<u>FY2025</u>		<u>FY2024</u>	
Residential	48,124,188	33.55%	46,452,329	32.17%
Commercial	40,452,217	28.20%	39,643,869	27.46%
Industrial	49,867,175	34.76%	53,322,246	36.93%
Municipal	4,610,323	3.21%	4,463,769	3.09%
Retail Energy Sold Total FYTD	143,053,903	99.72%	143,882,213	99.65%
Street Lighting	398,821	0.28%	512,129	0.35%
Energy Sold FYTD	143,452,724		144,394,342	
Weighted Days in Meter Cycles FYTD	183		183	
kWh Sold per Day	783,895		789,040	
% Change	-0.65%			

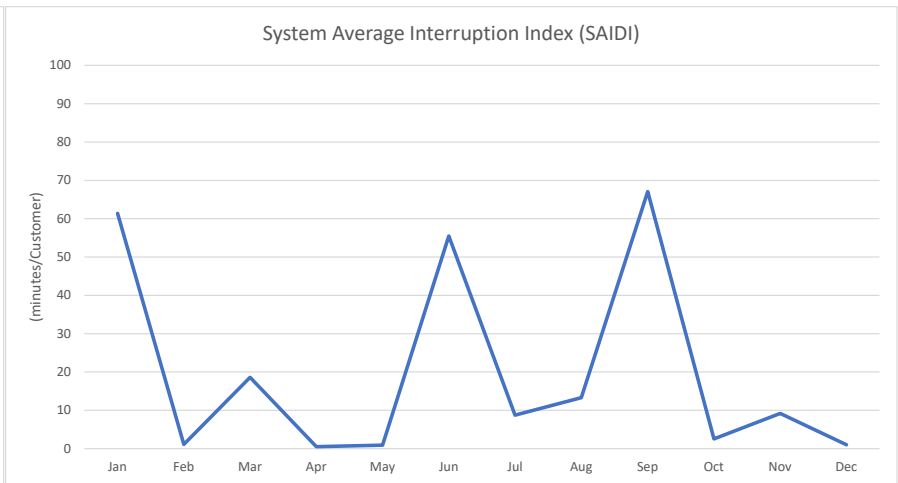
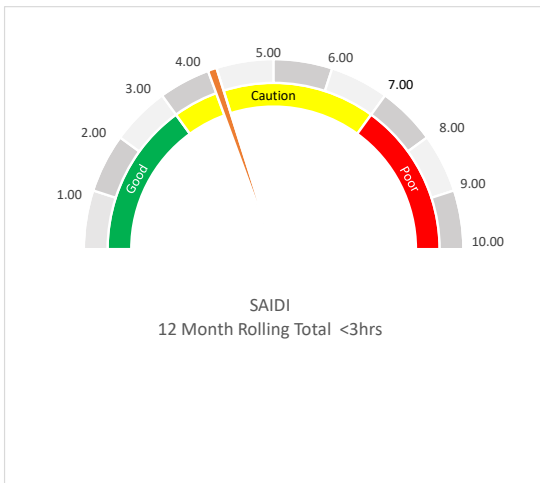
<u>Sales Revenue FYTD net ERS</u>	<u>FY2025</u>	<u>Average Rate (\$/kWh)</u>	<u>FY2024</u>	<u>Average Rate (\$/KWh)</u>	<u>Percent Change \$/kWh</u>
Residential	\$7,044,549	\$0.1464	\$6,829,133	\$0.1470	-0.43%
Commercial	\$5,506,976	\$0.1361	\$5,401,367	\$0.1362	-0.08%
Industrial	\$5,897,213	\$0.1183	\$6,137,481	\$0.1151	2.74%
Municipal	\$550,486	\$0.1194	\$531,284	\$0.1190	0.32%
Retail Sales Revenue FYTD	\$18,999,224	\$0.1328	\$18,899,266	\$0.1314	1.11%
Street Lighting	\$168,389		\$169,843		
Total Sales Revenue FYTD (Excl. Wholesale)	\$19,167,613	\$0.1336	\$19,069,109	\$0.1321	

	<u>FY2025</u>	<u>FY2024</u>
Approx. Distribution Losses FYTD	-1.51%	-0.16%
Net Energy Expenses/kWh Sold FYTD	\$0.06960	\$0.06427
% Change	8.29%	

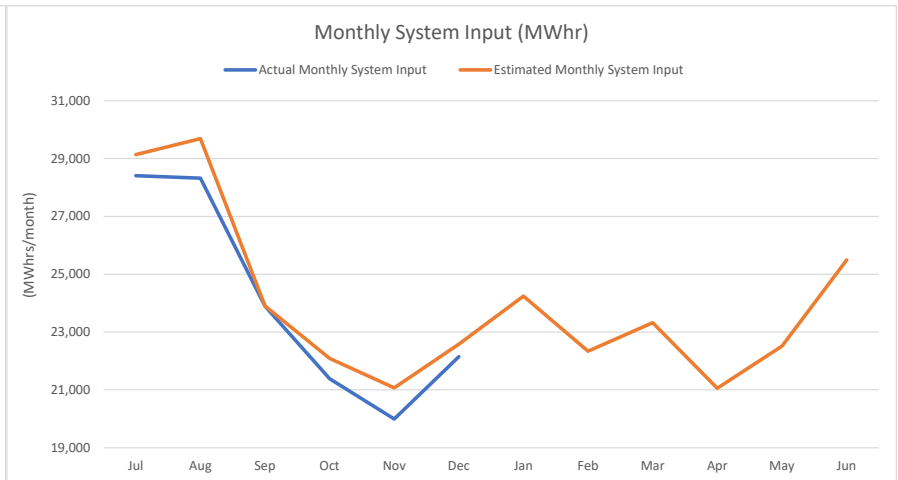
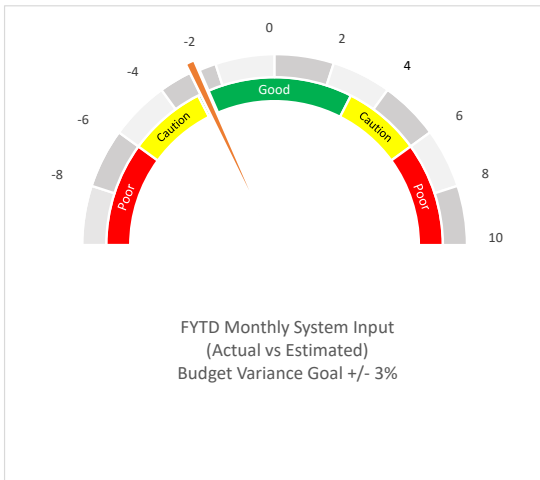
GHBLP Key Performance Indicators

January 10, 2025

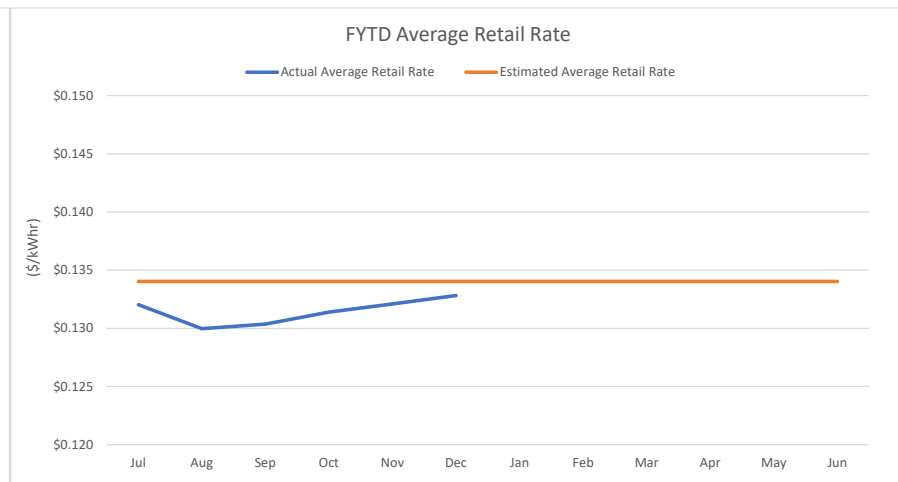
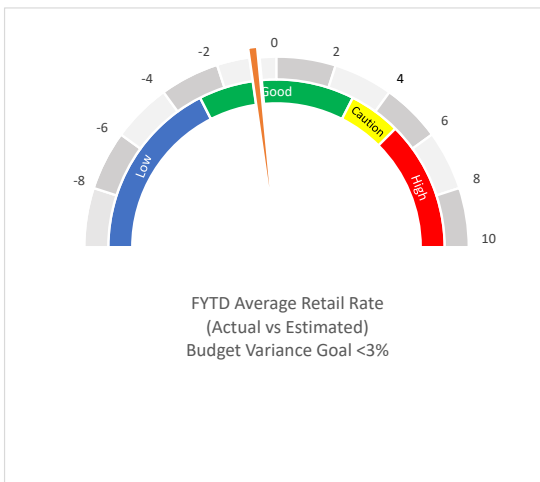
1) Reliability



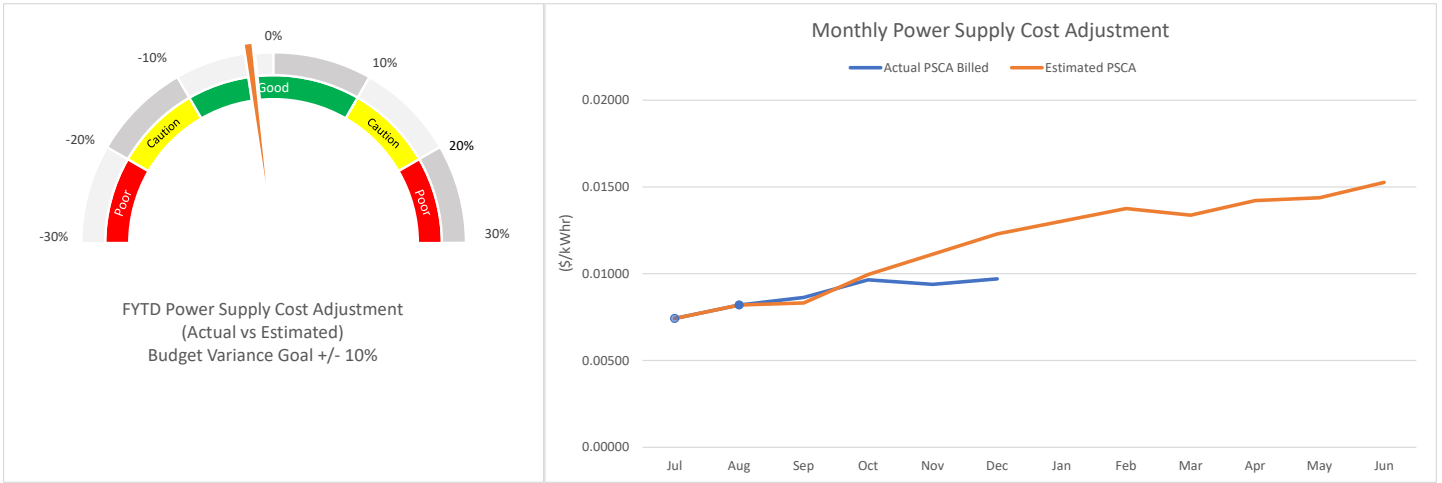
2) Power Supply



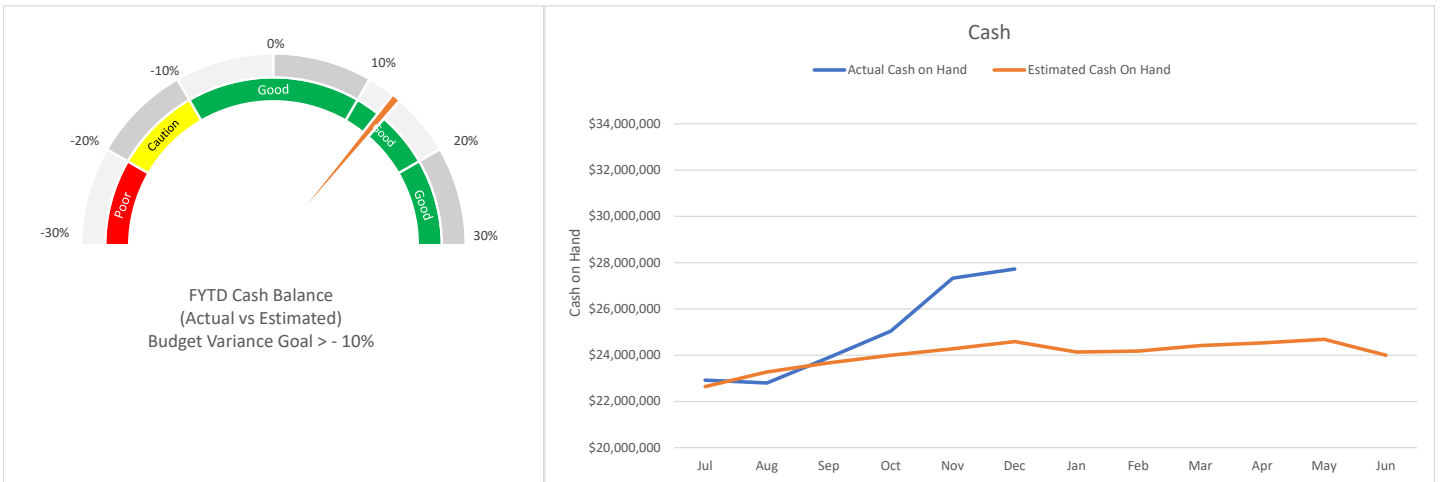
3) Average Retail Revenue per kWh



4) Rates/PSCA



5) Financial



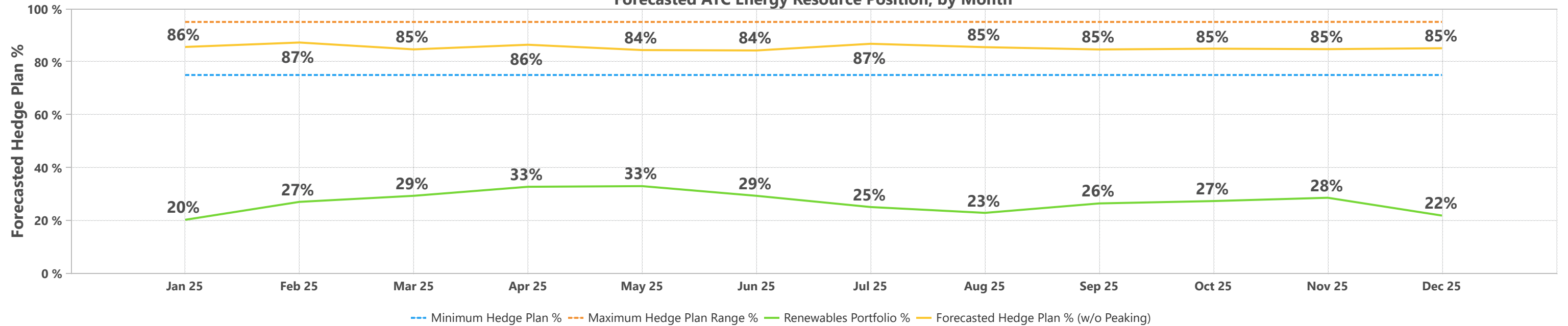
GRAN is forecasted to have an average of 85% of Around the Clock (ATC) Power Supply hedged over the upcoming 12 months, and Renewable Energy Resources are forecasted to provide an average of 27% towards load. Total Resources are forecasted to cost an average of \$50.54 Per MWh, and Market Balancing Energy is forecasted to come in at an average of \$44.12 per MWh. When including Locational Basis this results in a Total Forecasted Power Supply weighted average cost of \$50.31 over the upcoming 12 months.

Forecasted Prompt 12 Months Energy Resource Position for GRAN

Power Supply, MWh	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Total Resources, MWh	20,496	19,236	19,535	18,066	19,140	22,194	25,065	25,658	20,261	18,807	17,904	19,214
Project Assets	1,845	1,665	1,894	1,811	1,887	1,717	1,579	1,545	1,556	1,701	1,655	1,639
Landfill Project	1,845	1,665	1,894	1,811	1,887	1,717	1,579	1,545	1,556	1,701	1,655	1,639
Contracted Power Supply	18,651	17,572	17,641	16,256	17,252	20,477	23,485	24,113	18,705	17,106	16,250	17,575
Contracted ESP Renewable PPAs	2,975	4,269	4,847	5,011	5,567	5,977	5,628	5,283	4,747	4,327	4,360	3,266
Contracted Bilateral Energy Transactions	15,676	13,302	12,794	11,245	11,686	14,501	17,858	18,830	13,958	12,778	11,890	14,310

Total Power Supply	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Forecasted Hedge Plan % (w/o Peaking)	86%	87%	85%	86%	84%	84%	87%	85%	85%	85%	85%	85%
Minimum Hedge Plan %	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Maximum Hedge Plan Range %	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Renewables Portfolio %	20%	27%	29%	33%	33%	29%	25%	23%	26%	27%	28%	22%
Forecasted Load	(23,968)	(22,061)	(23,091)	(20,922)	(22,693)	(26,362)	(28,904)	(30,034)	(23,958)	(22,161)	(21,142)	(22,596)
Forecasted Market Balancing, MWh	(3,471)	(2,825)	(3,556)	(2,855)	(3,554)	(4,168)	(3,840)	(4,376)	(3,697)	(3,355)	(3,238)	(3,382)
Forecasted Hedge % (w/ Peaking)	86%	87%	85%	86%	84%	84%	87%	85%	85%	85%	85%	85%

Forecasted ATC Energy Resource Position, by Month

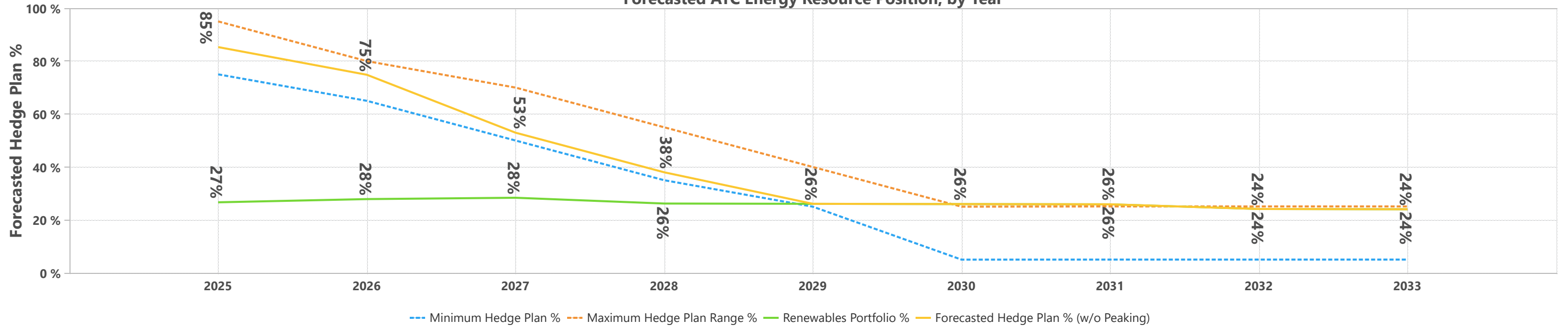


Forecasted Outer Years Energy Resource Position for GRAN

Power Supply, MWh	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total Resources, MWh	245,577	215,667	152,761	109,725	75,413	75,221	75,045	70,054	69,844
Project Assets	20,492	19,325	13,564	7,493	7,493	7,491	7,492	2,654	2,654
Landfill Project	20,492	19,325	13,564	7,493	7,493	7,491	7,492	2,654	2,654
Contracted Power Supply	225,085	196,341	139,197	102,232	67,920	67,729	67,553	67,400	67,190
Contracted ESP Renewable PPAs	56,257	60,986	68,289	68,133	67,920	67,729	67,553	67,400	67,190
Contracted Bilateral Energy Transactions	168,828	135,355	70,908	34,099					

Total Power Supply	2025	2026	2027	2028	2029	2030	2031	2032	2033
Forecasted Hedge Plan % (w/o Peaking)	85%	75%	53%	38%	26%	26%	26%	24%	24%
Minimum Hedge Plan %	75%	65%	50%	35%	25%	5%	5%	5%	5%
Maximum Hedge Plan Range %	95%	80%	70%	55%	40%	25%	25%	25%	25%
Renewables Portfolio %	27%	28%	28%	26%	26%	26%	26%	24%	24%
Forecasted Load	(287,893)	(288,154)	(288,450)	(288,758)	(289,122)	(289,488)	(289,850)	(290,210)	(290,588)
Forecasted Market Balancing, MWh	(42,316)	(72,487)	(135,690)	(179,032)	(213,710)	(214,268)	(214,805)	(220,155)	(220,743)
Forecasted Hedge % (w/ Peaking)	85%	75%	53%	38%	26%	26%	26%	24%	24%

Forecasted ATC Energy Resource Position, by Year



Forecasted Prompt 12 Months Energy Resource Cost for GRAN

Project Asset Costs are as forecasted in the MPPA Financial Plan, including fixed costs and all other anticipated costs in addition to Energy costs.

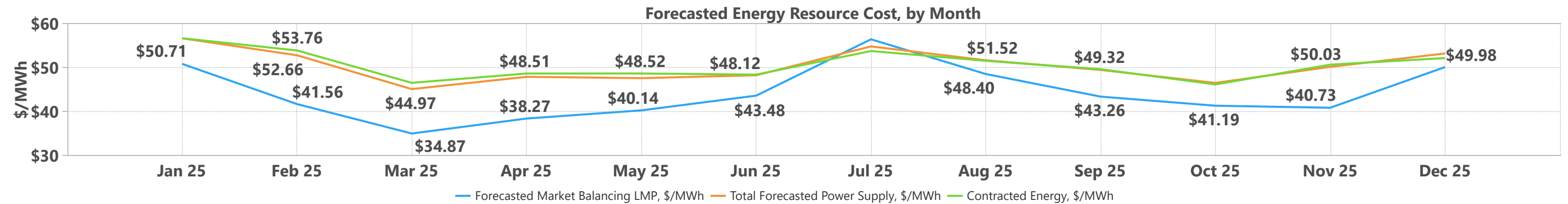
Power Supply \$'s	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Total Resources, \$'s	(\$1,158,740)	(\$1,034,191)	(\$906,289)	(\$876,488)	(\$928,688)	(\$1,071,247)	(\$1,344,115)	(\$1,318,997)	(\$1,002,686)	(\$865,656)	(\$904,602)	(\$999,643)
Project Assets	(\$207,442)	(\$187,405)	(\$150,771)	(\$203,833)	(\$213,218)	(\$192,646)	(\$195,899)	(\$180,738)	(\$182,027)	(\$137,671)	(\$194,173)	(\$191,977)
Landfill Project	(\$207,442)	(\$187,405)	(\$150,771)	(\$203,833)	(\$213,218)	(\$192,646)	(\$195,899)	(\$180,738)	(\$182,027)	(\$137,671)	(\$194,173)	(\$191,977)
Contracted Power Supply	(\$951,298)	(\$846,786)	(\$755,518)	(\$672,654)	(\$715,471)	(\$878,601)	(\$1,148,215)	(\$1,138,259)	(\$820,659)	(\$727,985)	(\$710,429)	(\$807,666)
Contracted ESP Renewable PPAs	(\$138,019)	(\$196,276)	(\$221,807)	(\$228,478)	(\$250,518)	(\$278,887)	(\$261,706)	(\$245,965)	(\$226,918)	(\$206,813)	(\$207,997)	(\$154,673)
Contracted Bilateral Energy Transactions	(\$813,279)	(\$650,510)	(\$533,711)	(\$444,177)	(\$464,952)	(\$599,713)	(\$886,509)	(\$892,294)	(\$593,741)	(\$521,172)	(\$502,432)	(\$652,993)

Locational Basis, \$'s	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Locational Basis (Projects)	(\$1,507)	(\$1,381)	(\$1,211)	(\$615)	(\$524)	(\$1,005)	(\$593)	(\$961)	(\$359)	\$334	(\$636)	(\$42)
Locational Basis (Contracted Power Supply)	(\$18,437)	(\$8,826)	(\$6,893)	(\$12,882)	(\$5,130)	(\$15,002)	(\$19,501)	(\$15,701)	(\$18,700)	(\$24,217)	(\$20,673)	(\$30,436)

Power Supply \$/MWh	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Power Supply \$/MWh												
Project Assets												
Landfill Project	\$112.44	\$112.57	\$79.61	\$112.58	\$112.97	\$112.22	\$124.06	\$116.98	\$117.00	\$80.94	\$117.35	\$117.16
Contracted Power Supply												
Contracted ESP Renewable PPAs	\$46.39	\$45.97	\$45.76	\$45.59	\$45.00	\$46.66	\$46.50	\$46.56	\$47.81	\$47.79	\$47.70	\$47.36
Contracted Bilateral Energy Transactions	\$51.88	\$48.90	\$41.71	\$39.50	\$39.79	\$41.36	\$49.64	\$47.39	\$42.54	\$40.79	\$42.26	\$45.63

Locational Basis, \$/MWh	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Locational Basis (Projects)	\$0.82	\$0.83	\$0.64	\$0.34	\$0.28	\$0.59	\$0.38	\$0.62	\$0.23	(\$0.20)	\$0.38	\$0.03
Locational Basis (Contracted Power Supply)	\$0.99	\$0.50	\$0.39	\$0.79	\$0.30	\$0.73	\$0.83	\$0.65	\$1.00	\$1.42	\$1.27	\$1.73

Total Power Supply	Jan 25	Feb 25	Mar 25	Apr 25	May 25	Jun 25	Jul 25	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25
Forecasted Market Balancing LMP, \$/MWh	\$50.71	\$41.56	\$34.87	\$38.27	\$40.14	\$43.48	\$56.29	\$48.40	\$43.26	\$41.19	\$40.73	\$49.98
Forecasted Market Balancing LMP, \$'s	(\$176,023)	(\$117,419)	(\$123,984)	(\$109,279)	(\$142,627)	(\$181,239)	(\$216,145)	(\$211,777)	(\$159,945)	(\$138,198)	(\$131,866)	(\$169,040)
Total Forecasted Power Supply, \$/MWh	\$56.52	\$52.66	\$44.97	\$47.76	\$47.46	\$48.12	\$54.68	\$51.52	\$49.32	\$46.38	\$50.03	\$53.07
Total Forecasted Power Supply Costs, \$'s	(\$1,354,707)	(\$1,161,817)	(\$1,038,377)	(\$999,263)	(\$1,076,969)	(\$1,268,493)	(\$1,580,353)	(\$1,547,436)	(\$1,181,691)	(\$1,027,737)	(\$1,057,776)	(\$1,199,161)



Forecasted Outer Years Energy Resource Cost for GRAN

Project Asset Costs are as forecasted in the MPPA Financial Plan, including fixed costs and all other anticipated costs in addition to Energy costs.

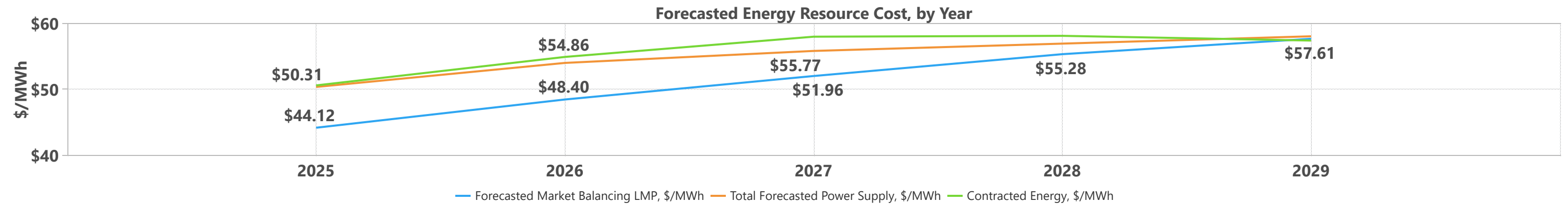
Power Supply \$'s	2025	2026	2027	2028	2029
Total Resources, \$'s	(\$12,411,342)	(\$11,830,798)	(\$8,848,788)	(\$6,370,219)	(\$4,324,178)
Project Assets	(\$2,237,801)	(\$2,121,355)	(\$1,492,827)	(\$862,621)	(\$884,885)
Landfill Project	(\$2,237,801)	(\$2,121,355)	(\$1,492,827)	(\$862,621)	(\$884,885)
Contracted Power Supply	(\$10,173,540)	(\$9,709,443)	(\$7,355,961)	(\$5,507,598)	(\$3,439,293)
Contracted ESP Renewable PPAs	(\$2,618,057)	(\$2,962,560)	(\$3,362,930)	(\$3,402,330)	(\$3,439,293)
Contracted Bilateral Energy Transactions	(\$7,555,483)	(\$6,746,882)	(\$3,993,030)	(\$2,105,268)	

Locational Basis, \$'s	2025	2026	2027	2028	2029
Locational Basis (Projects)	(\$8,499)	(\$9,598)	(\$10,110)	(\$2,125)	(\$2,138)
Locational Basis (Contracted Power Supply)	(\$196,398)	(\$196,564)	(\$175,944)	(\$154,829)	(\$127,444)

Power Supply \$/MWh	2025	2026	2027	2028	2029
Power Supply \$/MWh					
Project Assets					
Landfill Project	\$109.20	\$109.77	\$110.06	\$115.12	\$118.10
Contracted Power Supply					
Contracted ESP Renewable PPAs	\$46.54	\$48.58	\$49.25	\$49.94	\$50.64
Contracted Bilateral Energy Transactions	\$44.75	\$49.85	\$56.31	\$61.74	

Locational Basis, \$/MWh	2025	2026	2027	2028	2029
Locational Basis (Projects)	\$0.41	\$0.50	\$0.75	\$0.28	\$0.29
Locational Basis (Contracted Power Supply)	\$0.87	\$1.00	\$1.26	\$1.51	\$1.88

Total Power Supply	2025	2026	2027	2028	2029
Forecasted Market Balancing LMP, \$/MWh	\$44.12	\$48.40	\$51.96	\$55.28	\$57.61
Forecasted Market Balancing LMP, \$'s	(\$1,867,133)	(\$3,508,618)	(\$7,050,912)	(\$9,896,134)	(\$12,311,175)
Total Forecasted Power Supply, \$/MWh	\$50.31	\$53.95	\$55.77	\$56.88	\$57.99
Total Forecasted Power Supply Costs, \$'s	(\$14,483,372)	(\$15,545,578)	(\$16,085,754)	(\$16,423,308)	(\$16,764,935)



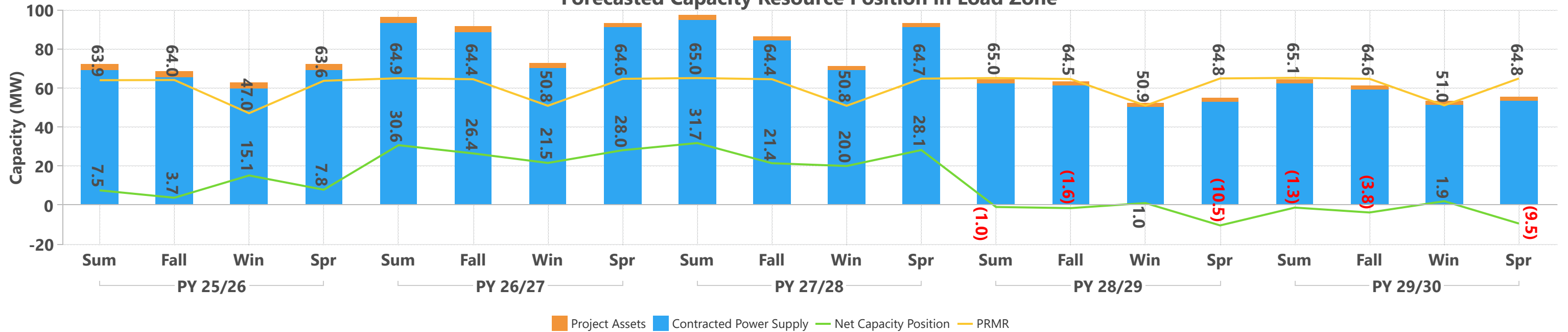
Forecasted Outer Years Capacity Resource Position for GRAN

Capacity Resources, MW	PY 25/26				PY 26/27				PY 27/28				PY 28/29				PY 29/30			
	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr
Net Capacity Position	7.5	3.7	15.1	7.8	30.6	26.4	21.5	28.0	31.7	21.4	20.0	28.1	(1.0)	(1.6)	1.0	(10.5)	(1.3)	(3.8)	1.9	(9.5)
Zone 7	7.5	3.7	15.1	7.8	30.6	26.4	21.5	28.0	31.7	21.4	20.0	28.1	(1.0)	(1.6)	1.0	(10.5)	(1.3)	(3.8)	1.9	(9.5)
Contracted Power Supply	69.4	65.7	60.1	69.4	93.5	88.8	70.3	91.2	95.2	84.3	69.3	91.4	62.5	61.4	50.4	52.8	62.3	59.3	51.5	53.8
Contracted Bilateral Capacity Transactions	57.2	57.2	57.2	57.2	78.4	77.3	67.2	77.3	79.7	74.1	66.5	77.5	55.0	54.3	48.7	50.1	55.6	54.0	50.0	51.3
Contracted ESP Renewable PPAs	12.2	8.5	2.9	12.2	15.1	11.5	3.1	13.9	15.5	10.2	2.8	13.9	7.5	7.2	1.7	2.8	6.7	5.3	1.5	2.6
Planning Reserve Margin Requirement	(63.9)	(64.0)	(47.0)	(63.6)	(64.9)	(64.4)	(50.8)	(64.6)	(65.0)	(64.4)	(50.8)	(64.7)	(65.0)	(64.5)	(50.9)	(64.8)	(65.1)	(64.6)	(51.0)	(64.8)
PRMR	(63.9)	(64.0)	(47.0)	(63.6)	(64.9)	(64.4)	(50.8)	(64.6)	(65.0)	(64.4)	(50.8)	(64.7)	(65.0)	(64.5)	(50.9)	(64.8)	(65.1)	(64.6)	(51.0)	(64.8)
Project Assets	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Landfill Project	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Net Contracted Bilateral Capacity	PY 25/26			PY 26/27			PY 27/28			PY 28/29			PY 29/30		
	Net Bilat MW	Net Bilat \$'s	\$/kw-mo.	Net Bilat MW	Net Bilat \$'s	\$/kw-mo.	Net Bilat MW	Net Bilat \$'s	\$/kw-mo.	Net Bilat MW	Net Bilat \$'s	\$/kw-mo.	Net Bilat MW	Net Bilat \$'s	\$/kw-mo.
Total Net Capacity Bilats	(57.2)	(\$2,814,000)	\$4.10	(75.1)	(\$3,864,492)	\$4.29	(74.5)	(\$3,831,299)	\$4.29	(52.0)	(\$2,975,371)	\$4.77	(52.7)	(\$3,014,516)	\$4.77
Sum	(57.2)	(\$703,500)	\$4.10	(78.4)	(\$1,015,036)	\$4.32	(79.7)	(\$1,033,970)	\$4.32	(55.0)	(\$787,057)	\$4.77	(55.6)	(\$795,312)	\$4.77
Fall	(57.2)	(\$703,500)	\$4.10	(77.3)	(\$997,389)	\$4.30	(74.1)	(\$951,859)	\$4.28	(54.3)	(\$776,036)	\$4.77	(54.0)	(\$771,574)	\$4.77
Win	(57.2)	(\$703,500)	\$4.10	(67.2)	(\$852,918)	\$4.23	(66.5)	(\$843,277)	\$4.23	(48.7)	(\$695,997)	\$4.77	(50.0)	(\$714,426)	\$4.77
Spr	(57.2)	(\$703,500)	\$4.10	(77.3)	(\$999,148)	\$4.31	(77.5)	(\$1,002,193)	\$4.31	(50.1)	(\$716,281)	\$4.77	(51.3)	(\$733,203)	\$4.77

Net Capacity Position	PY 25/26			PY 26/27			PY 27/28			PY 28/29			PY 29/30		
	Market Cap MW	Market Cap \$'s	Total Cap \$'s	Market Cap MW	Market Cap \$'s	Total Cap \$'s	Market Cap MW	Market Cap \$'s	Total Cap \$'s	Market Cap MW	Market Cap \$'s	Total Cap \$'s	Market Cap MW	Market Cap \$'s	Total Cap \$'s
Total Net Capacity Position	3.7	\$255,300	(\$2,558,700)	21.5	\$1,483,500	(\$2,380,992)	20.0	\$1,380,000	(\$2,451,299)	(10.5)	(\$749,700)	(\$3,725,071)	(9.5)	(\$678,300)	(\$3,692,816)
Sum	3.7	\$63,825	(\$639,675)	21.5	\$370,875	(\$644,161)	20.0	\$345,000	(\$688,970)	(10.5)	(\$187,425)	(\$974,482)	(9.5)	(\$169,575)	(\$964,887)
Fall	3.7	\$63,825	(\$639,675)	21.5	\$370,875	(\$626,514)	20.0	\$345,000	(\$606,859)	(10.5)	(\$187,425)	(\$963,461)	(9.5)	(\$169,575)	(\$941,149)
Win	3.7	\$63,825	(\$639,675)	21.5	\$370,875	(\$482,043)	20.0	\$345,000	(\$498,277)	(10.5)	(\$187,425)	(\$883,422)	(9.5)	(\$169,575)	(\$884,001)
Spr	3.7	\$63,825	(\$639,675)	21.5	\$370,875	(\$628,273)	20.0	\$345,000	(\$657,193)	(10.5)	(\$187,425)	(\$903,706)	(9.5)	(\$169,575)	(\$902,778)

Forecasted Capacity Resource Position in Load Zone



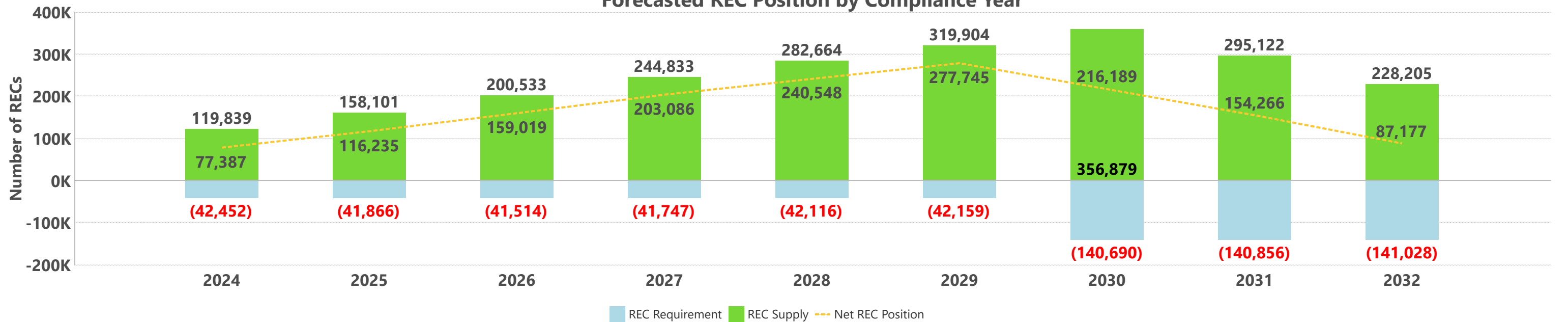
Forecasted Renewable Energy Credit (REC) Position for GRAN

Forecasted REC volumes are based on actual meter data when available and use the latest modeled generation for future timeframes.
Available Banked RECs in a compliance year reflect the forecasted Net REC Position at the end of the previous year.

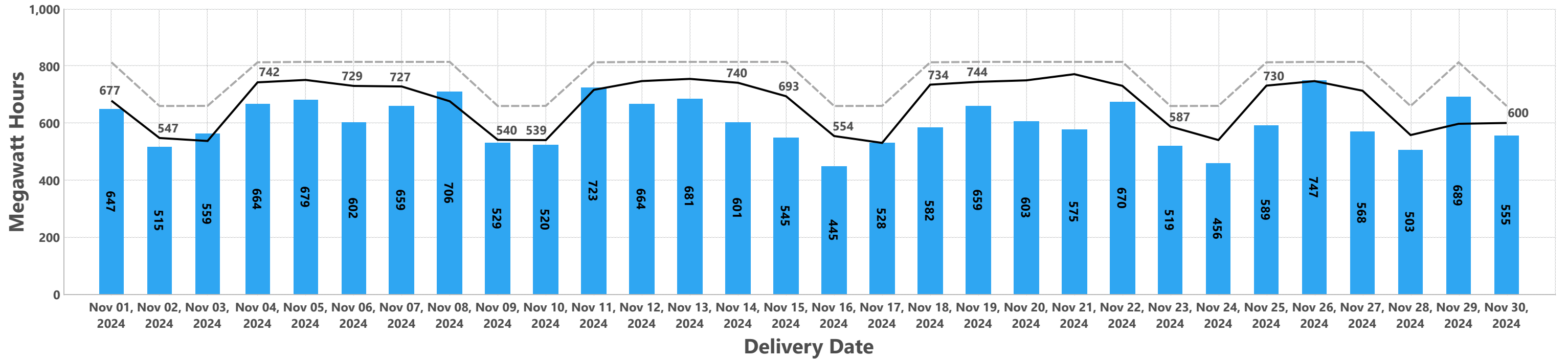
Compliance Year	2024	2025	2026	2027	2028	2029	2030	2031	2032
Net REC Position	77,387	116,235	159,019	203,086	240,548	277,745	216,189	154,266	87,177
Available Banked RECs	46,017	77,387	116,235	159,019	203,086	240,548	277,745	216,189	154,266
Hedge Policy REC Requirement	(42,452)	(41,866)	(41,514)	(41,747)	(42,116)	(42,159)	(140,690)	(140,856)	(141,028)
Assembly Solar	9,805	10,647	10,602	10,543	10,488	10,443	10,384	10,331	10,280
Assembly Solar Phase II	8,081	8,822	8,788	8,741	8,696	8,652	8,607	8,561	8,523
Beebe	5,753	5,803	5,801	5,802	5,801	5,801	5,801	5,803	5,803
Brandt Woods Solar		2,894	4,515	4,492	4,477	4,447	4,425	4,403	4,389
Hart Solar			161	7,628	7,618	7,582	7,559	7,537	7,527
Invenergy Calhoun Solar	10,898	13,793	13,763	13,716	13,676	13,632	13,588	13,543	13,510
Landfill Project (EDL)	17,603	15,618	14,461	8,700	2,640	2,645	2,644	2,644	2,640
Landfill Project (NANR)	4,599	4,839	4,839	4,839	4,839	4,839	4,837	4,837	
Pegasus	17,083	17,544	17,545	17,548	17,549	17,549	17,540	17,544	17,549
White Tail Solar		755	3,824	3,805	3,794	3,767	3,748	3,729	3,719

Compliance Year	2024	2025	2026	2027	2028	2029	2030	2031	2032
3 Year Avg Retail Sales	(283,015)	(279,104)	(276,761)	(278,315)	(280,770)	(281,063)	(281,380)	(281,712)	(282,056)
Hedge Policy REC Target %	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	50.0%	50.0%	50.0%
Hedge Policy REC Requirement	(42,452)	(41,866)	(41,514)	(41,747)	(42,116)	(42,159)	(140,690)	(140,856)	(141,028)
VGP REC %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
VGP REC Requirement	0	0	0	0	0	0	0	0	0

Forecasted REC Position by Compliance Year

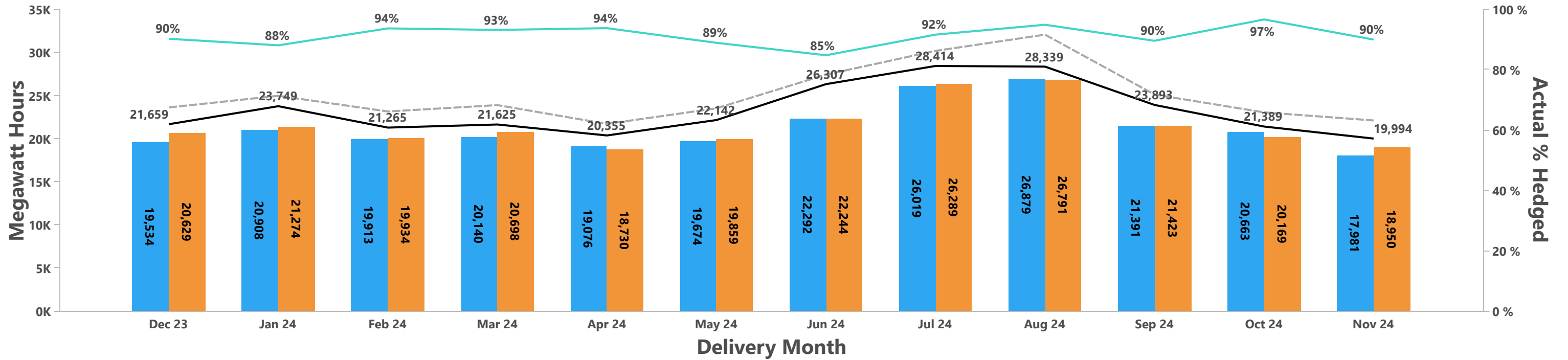


Daily Actual Lookback for GRAN



Actual Supply (w/o Peaking) Actual Load Avg Budgeted Load

Actual vs Budget Lookback for GRAN



Actual Supply (w/o Peaking) Budgeted Supply (w/o Peaking) Actual Load Budgeted Load Actual % Hedged

GRAND HAVEN BOARD OF LIGHT AND POWER
GENERAL MANAGER’S REPORT
BOARD MEETING OF JANUARY 16, 2025

6. B. The BLP Financial Statements and Dashboards for the month ending December 31, 2024, are provided for your information. These financial statements represent the BLP’s financial position through 50% of the fiscal year.

INCOME STATEMENT

Income Statement Budget Variance	
	over(under)
Total Charges for Service	\$ (5,120)
Other Revenue	230,277
	225,157
Purchased Power	(238,021)
Departments Salary and Fringe	(299,364)
Departments Other	(328,911)
Other	(242,841)
	(1,109,136)
Depreciation	20,358
Non-Operating Revenue (Expenses)	231,220
Transfers to City of Grand Haven	33,166
Increase in Net Assets	<u>\$ 1,511,989</u>

Operating Charge revenues are 51.64% of annual budgeted revenues. Industrial charges are below budget, yet Residential charges are above budget. The primary driver in the charge revenue variances is timing of the budget compared to actual. These variances are adjusting as the year proceeds. Overall Year-to-Date Kwhs are .89% above budget and Sales per Kwh are .91% below budget. This is the result of warmer than anticipated months and a different mix of Kwh’s consumed than budgeted, however this is very close to budget.

Retail Sales Budget Variance				
Kwh Over (Under) Budget	0.89%	1,255,756	Kwh	\$ 168,306
Sales\$ per Kwh Over (Under) Budget	-0.91%	\$ (0.00122)	per Kwh	<u>\$ (173,816)</u>
				<u>\$ (5,510)</u>

GRAND HAVEN BOARD OF LIGHT AND POWER
GENERAL MANAGER’S REPORT
BOARD MEETING OF JANUARY 16, 2025

Operating expenses are 46.74% of annual budgeted operating expenses. All departments are under budget. Purchased Power expenses in total were under budget. Purchased power Kwh’s purchased are still under budget but cost per Kwh is now running over budget. Cost per Kwh purchased will increase slightly during the winter months due to an anticipated reduction in sales yet fixed costs remaining the same.

Purchased Power Budget Variance				
Kwh Over (Under) Budget	-4.29%	(6,366,907)	Kwh	\$ (440,821)
Cost Over (Under) Budget per Kwh	2.06%	\$ 1.42720	per Kwh	\$ 202,800
				\$ (238,021)

Year-to-Date **Renewable Energy Purchases equal 35,839,286 Kwh’s, or 25.2%, of power purchases.**

The Increase in Net Position for the year is \$4,690,229.

BALANCE SHEET

Cash and Cash Equivalents are **\$27,723,672**. This is \$9,723,672 above the minimum cash reserve of \$18,000,000 and does not include funds set aside for remediation, bond funds and working capital held with MPIA and MPPA.

The **Capital Plan** approved for FY25 was \$5,747,500. As of December 31, 2024, 26% of the capital projects budget has been disbursed.

- 6. F. Confirm Purchase Order – There are two (2) confirming Purchase Orders on the Consent Agenda this month of **\$16,225** for your confirmation.

Confirming Purchase Orders on the Consent Agenda are either routine expenses within approved budgeted parameters, with prequalified and approved contractors or vendors, services or supplies that may have required immediate attention, again using prequalified and approved contractors or vendors when possible or change orders under a previously approved PO (and we are seeking after the fact concurrence/confirmation of the expenditure by the Board).

The PO number, contractor name, associated dollar value, and short description of this item are listed on the agenda.

All applicable purchasing policy provisions associated with these Purchase Orders were followed. Budgeted funds are available. Staff is recommending approval. (Board action is requested through the approval of the Consent Agenda).

GRAND HAVEN BOARD OF LIGHT AND POWER
GENERAL MANAGER'S REPORT
BOARD MEETING OF JANUARY 16, 2025

7. A. Approve Purchase Orders – There are two (2) Purchases Order totaling **\$32,353** on the regular agenda.

The PO number, contractor name, associated dollar value, and short description of this item are listed on the agenda.

I, or an appropriate staff member, can answer any further questions you may have regarding these items.

All applicable purchasing policy provisions associated with these items were followed. Capital planning or budgeted funds are available. Staff is recommending approval of these Purchase Orders. (Board action is requested).

7. C. PA235 Renewable Energy Plan – PA235 sets new renewable energy standards for Michigan electric utilities. The requirements are 15% for 2025-2029, 50% for 2030-2034, and 60% for 2035 and thereafter. The Act also requires that electric utilities submit a Renewable Energy Plan (REP) to meet these requirements to the MPSC by February 2025. This plan will be submitted by MPPA on behalf of GHBLP and is required to be reviewed every two years moving forward. Enclosed is the proposed GHBLP REP. Staff and MPPA are recommending approval.

RS/dm

Attachments 1/10/24



Strategic Plan

Fiscal Years 2022-2026



Grand Haven Board of Light & Power

Our Mission & Core Values

The **GHBLP mission** is to meet our community's expectations for reliable electric service that returns value to our customers, and ensures the economic and environmental sustainability of the utility.

Our core values are to:

Work cooperatively as a team

- Prioritize wellness, education and training
- Maintain a safe and secure workplace
- Treat our team members fairly, equitably and with mutual respect
- Value the contributions of everyone on the team

Continuously improve our performance

- Maintain modern and reliable infrastructure
- Consider the environmental impacts of what we do
- Implement best and sustainable practices
- Utilize technology cost effectively

Serve with integrity

- Be accountable for our actions
- Serve openly and honestly
- Treat all in our community fairly, equitably, and respectfully

Provide value to the community

- Improve the community we serve
- Remain a trusted energy partner
- Engage and understand our customers

Strategic Priorities



Customer and Community Engagement

Strategic Objective:

GHBLP will engage its customers and the community to gain an understanding of their values and utility expectations.



Specific Areas of Focus:

- Market research & intelligence
- Customer service tools/technology
- Social media/website
- Community education and outreach
- Data analytics
- Direct customer interaction

Goals:



Enhance targeted research, data analytics and annual reporting to better understand and communicate customer and community expectations



Continue and modify as appropriate annual customer satisfaction survey to understand customer and community interests and expectations



Update and implement annually a Communications/Education plan that highlights the utility's progress and the community benefits provided



Targeted Communication Programs

- ▶ Social Media Engagement Program
- ▶ Team Member Highlight Program
- ▶ Affordability & Cost Competitiveness Program
- ▶ Outage Response & Restoration Communications Program
- ▶ Leading in Sustainability Program



The BLP is more than 31% less expensive.

THIS
OR
THAT

GHBLP Energy Bill - June 2024			
Current Service Detail			
Service Charge			\$ 15.00
Kwh Charge	564 @ 0.1144		64.52
PSCA	564 @ 0.007		3.95
Environmental Remediation	564 @ 0.0035		1.97
Total Electric Charges			\$ 85.44
State Tax			3.42
Total Current Charges			\$ 88.86

Consumers Energy Bill			
Electric Charges			
Summer (Billed 06/06/2024 - 07/07/2024)			
On-Peak Energy (2 pm-7 pm)	99.036 @ 0.141184		\$13.98
Off-Peak Energy	464.964 @ 0.092207		\$42.87
Other Charges			
PSCR	564 @ 0.006170		\$3.48
System Access			\$8.00
Deferral Surcharge	564 @ 0.000430		\$0.24
IRM Surcharge	564 @ 0.000150		\$0.08
Distribution	564 @ 0.074267		\$41.89
FCM Incentive	564 @ 0.000198		\$0.11
Other Surcharges	564 @ 0.004527		\$2.55
Power Plant Securitization	564 @ 0.001148		\$0.65
Karr 1&2 Securitization Charge	564 @ 0.004407		\$2.49
Low-Income Assist Fund			<u>\$0.88</u>
Total Electric			\$117.23
State Sales Tax			\$4.67
Total Energy Charges			\$121.90

Crisis Communications Plan

- ▶ Ensure the public is informed during large-scale weather-related power outages.
- ▶ Developed tools for customers to plan and prepare for power outages ahead of time.
- ▶ Provide safety information to customers so they can stay safe during storm and once weather has passed and power restoration efforts are underway.
- ▶ Presented and provided plan to MMEA membership to assist smaller utilities that don't have the ability to create a comprehensive program.

“ Getting this from the BLP [a larger utility with more resources] is like having a big brother who looks out for you and says ‘Here grab my hand and come along with us.’ Now we have a roadmap that will be really easy to follow.”

Charlene Hudson, Superintendent
Sebewaing Light & Power

Grand Haven Board of Light & Power Shares Powerful Crisis Communications Plan

Hurricanes Helene and Milton are prompting utilities to dust off their communications programs. For utilities that have put the time and effort into learning best industry practices, their willingness to share their work and prepare other municipally-owned utilities reflects the value of public power. Smaller utilities that don't have the same resources can benefit from both the preparation and the collaborative nature of their larger partner utilities.

The **Grand Haven Board of Light and Power** (BLP) presented its Crisis Communication Plan to 26 member utilities during the 2024 MMEA Fall Membership Meeting. Grand Haven BLP took the extra step and provided a printed copy of its Crisis Communication Plan for extreme weather to all member utilities to use if they did not already have a plan or if their existing plan needed improvements.

“Public Power's strength has always been in our willingness to collaborate. Through the years, we have received support and assistance from many of our sister municipal utilities. Sharing this information and our plan was the BLP's way to pay that forward,” said Erik Booth, BLP Operations and Power Supply Manager.

Booth shared with the membership that the BLP maintains an extremely reliable electric system, continuously investing in its distribution system and substations. However, no utility is completely immune to power outages from extreme weather. How utilities serve their communities is exceptionally important, and good communication represents a vital part of that service.

“This will be a benefit for all of the small utilities that don't have the resources. It's straightforward and precise and I'll be able to take this and immediately implement it. Having a document like this is critical. The team at the BLP did a great job.”

Gerry Pirkola, Electric Utility Director
City of Escanaba Electric Department

The BLP's previous communications plan was ready for an overhaul. Developed primarily as an administrative document, it wasn't user-friendly or practical for use during the immediacy of an event. While the plan was reviewed annually, the organization is evolving. Significant turnover in the last few years and upcoming retirements made it important to develop the tools necessary before institutional knowledge left the organization. The newly created plan for the BLP is organized to serve as a functional document during extreme weather events. It outlines specific roles and responsibilities and the media channels available to communicate with the public. It also provides

Customer Satisfaction Surveys

- ▶ Conducted standard phone surveys in 2021 & 2022
 - ▶ Won first ever APPA Customer Satisfaction Award from 2022 survey results
- ▶ Conducted first ever digital only survey in 2024
 - ▶ Won second APPA Customer Satisfaction Award from digital survey results
- ▶ Preparing for first ever hybrid survey using both modern digital methods and traditional phone methods in 2025.
 - ▶ Survey will be conducted in February/March with results presented in May.



Community Outreach Programs

- ▶ Customer Technology Workshop (February 2023)
- ▶ Key Account Stakeholder Meetings (Spring 2024)
- ▶ Community Sustainability Committee's Energy Task Force (2023-2024)
- ▶ Governing Council & Boards: City of Grand Haven & Ferrysburg, GH Township, Spring Lake Township (Spring 2023 & Fall 2024)
- ▶ Weatherization Event with Ottawa County Community Action Agency (December 2024)
- ▶ Community Events: Coast Guard Festival, Earth Day, Public Safety Open Houses, Chamber Events, New Years Eve Ball Drop, Jingle Bell Parade, Soup for All, Haunted Haven, Boomerang, Holiday Lighting Contest, United Way Day of Caring
- ▶ Routine communications to various media outlets: WGHN, WAWL, Grand Haven Tribune
- ▶ Direct customer communications through print, video, social media, & website.



BLP
CUSTOMER
TECHNOLOGY WORKSHOP

TUESDAY, FEBRUARY 21, 2023
6:30 PM

CENTRAL PARK PLACE
421 Columbus Avenue, Grand Haven

smart hub
SMARTHUB

AMI

OMS

ABOUT THE WORKSHOP

Discover how you can access and use BLP technology tools to view and manage your energy use, report power outages, or access your account information and pay your electric bill.

We are coming to you!
presenting

**WEATHERIZATION
ASSISTANCE PROGRAM**

DATE: NOVEMBER 14, 2024

TIME: 3:00 TO 6:00 PM

**PLACE: RIVER HAVEN CLUB
HOUSE - 14546 MERCURY DR**



is partnering with



**2025-2045 MUNICIPAL UTILITY
PA 235 RENEWABLE ENERGY PLAN SUMMARY**

GRAND HAVEN

Row #		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
1	Sales and Requirement Calculation										
2	Method: Weather Normalized or 3 Year Average										
3	If Selected Weather Normalized:										
4	Current Year Sales to Retail Customers										
5	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy										
6	Current Year Weather Normalization Factor										
7	Less VGP Sales										
8	Less Outflow from DG Customers										
9	Current Year Weather Normalized Sales										
10	If Selected 3 Year Average:										
11	Current Year Retail Sales to Retail Customers	281,678	281,938	282,235	282,558	282,893	283,238	283,593	283,954	284,342	284,745
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy	-	-	-	-	-	-	-	-	-	-
13	Less VGP Sales	304	304	304	304	304	304	304	304	304	304
14	Less Outflow from DG Customers	122	122	122	122	122	122	122	122	122	122
15	3 Year Average of Retail Sales	280,247	278,297	279,539	281,950	282,244	282,562	282,896	283,241	283,595	283,963
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	279,821	277,871	279,113	281,524	281,818	282,136	282,470	282,815	283,169	283,537
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	41,973	41,681	41,867	42,229	42,273	141,068	141,235	141,408	141,584	141,769
19	Energy Credits										
20	Energy Credit Beginning Balance	125,181	165,996	211,213	285,966	353,820	421,390	389,948	388,359	381,136	390,119
21	Energy Credits Obtained Through Generation/BOT	-	-	-	-	-	-	-	-	-	-
22	Energy Credits Obtained Through PPA	82,788	86,898	88,927	82,391	82,150	81,933	111,954	106,492	122,875	122,312
23	Energy Credits Obtained Through REC Purchases	4,123	4,123	31,554	28,517	28,517	28,517	28,517	28,517	28,517	28,245
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	86,911	91,020	120,481	110,908	110,667	110,450	140,471	135,009	151,392	150,557
25	Less: Energy Credits Sold	4,123	4,123	3,861	825	825	824	825	825	825	552
26	Available Energy Credits (Row 20 + 24 - 25)	207,969	252,893	327,832	396,049	463,663	531,016	529,594	522,544	531,703	540,123
27	Compliance Requirement (Row 18)	41,973	41,681	41,867	42,229	42,273	141,068	141,235	141,408	141,584	141,769
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	165,996	211,213	285,966	353,820	421,390	389,948	388,359	381,136	390,119	398,355

**2025-2045 MUNICIPAL UTILITY
PA 235 RENEWABLE ENERGY PLAN SUMMARY**

GRAND HAVEN

Row #		2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
1	Sales and Requirement Calculation											
2	Method: Weather Normalized or 3 Year Average											
3	If Selected Weather Normalized:											
4	Current Year Sales to Retail Customers											
5	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy											
6	Current Year Weather Normalization Factor											
7	Less VGP Sales											
8	Less Outflow from DG Customers											
9	Current Year Weather Normalized Sales											
10	If Selected 3 Year Average:											
11	Current Year Retail Sales to Retail Customers	285,154	285,568	285,005	285,903	286,306	286,704	287,097	287,490	287,872	288,255	288,251
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy	-	-	-	-	-	-	-	-	-	-	-
13	Less VGP Sales	304	304	304	304	304	304	304	304	304	304	304
14	Less Outflow from DG Customers	122	122	122	122	122	122	122	122	122	122	122
15	3 Year Average of Retail Sales	284,347	284,747	285,156	285,242	285,492	285,738	286,304	286,703	287,097	287,487	287,872
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	283,921	284,321	284,730	284,816	285,066	285,312	285,878	286,277	286,671	287,061	287,446
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	170,353	170,593	170,838	170,890	171,040	171,187	171,527	171,766	172,003	172,236	172,468
19	Energy Credits											
20	Energy Credit Beginning Balance	398,355	395,538	364,531	349,589	334,229	318,354	311,077	302,876	313,071	322,573	330,596
21	Energy Credits Obtained Through Generation/BOT	-	-	-	-	-	-	-	-	-	-	-
22	Energy Credits Obtained Through PPA	139,844	139,585	155,896	155,530	155,165	163,910	163,325	181,961	181,505	180,259	175,795
23	Energy Credits Obtained Through REC Purchases	27,692	-	-	-	-	-	-	-	-	-	-
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	167,536	139,585	155,896	155,530	155,165	163,910	163,325	181,961	181,505	180,259	175,795
25	Less: Energy Credits Sold	-	-	-	-	-	-	-	-	-	-	-
26	Available Energy Credits (Row 20 + 24 - 25)	565,891	535,123	520,427	505,119	489,394	482,265	474,403	484,837	494,576	502,832	506,391
27	Compliance Requirement (Row 18)	170,353	170,593	170,838	170,890	171,040	171,187	171,527	171,766	172,003	172,236	172,468
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	395,538	364,531	349,589	334,229	318,354	311,077	302,876	313,071	322,573	330,596	333,923