

GRAND HAVEN BOARD OF LIGHT AND POWER MEETING AGENDA  
Monday, February 23, 2026  
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. Consent Agenda (1)
  - A. Approve Minutes
    1. January 15, 2025 Meeting Minutes \*
  - B. Receive and File: January Financial Statements, Power Supply & Retail Sales Dashboards \*
  - C. Receive and File: January Key Performance Indicators (KPI) Dashboard \*
  - D. Receive and File: MPPA ESP Resource Position Report (dated 1/30/2026) \*
  - E. Approve Payment of Bills (\$6,255,913.83 in total)
    1. In the amount of \$5,616,446.30 from the Operation & Maintenance Fund
    2. In the amount of \$639,467.53 from the Renewal & Replacement Fund
  - F. Approve Confirming Purchase Orders (\$36,906 in total)
    1. PO #23622, DataVoice, \$36,906 (2026 OMS Hosting Subscription)
6. General Manager's Report \*
  - A. Approve Purchase Orders (\$342,569 in total) (1)
    1. PO #23619, Resco, \$78,992 (Padmount Transformers x 20 for BLP Stock)
    2. PO #23620, Resco, \$31,200 (Polemount Transformers x 6 for BLP Stock)
    3. PO #23629, City of GH, \$232,377 (Phase 2 & 3 of Remedial Data Collection Work Plan)\*
  - B. MPPA – Energy Hedge Plan Power Purchase Commitment Authorization (1) \*
  - C. Winter Storm Fern Takeaways (3) \*
  - D. MPPA – BTMG Update (4) \*
  - E. MPPA – 2025 Carbon Report (3) \*
7. Chairman's Report
8. Other Business
  - A. Key Accounts Luncheon (4)\*
9. Public Comment Period
10. 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  
JANUARY 15, 2026

A regular meeting of the Grand Haven Board of Light and Power was held on Thursday, January 15, 2026, at 6:00 PM at 1700 Eaton Drive in Grand Haven, Michigan and electronically via live Zoom Webinar.

The meeting was called to order at 6:02 PM by Chairperson Westbrook.

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

**Absent:** Directors Crum and Knoth.

**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.

**26-01A** Director Welling, supported by Director Polyak, moved to excuse Directors Crum and Knoth from the meeting for personal reasons.

**Roll Call Vote:**

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

**26-01B** Director Welling, supported by Director Polyak, moved to approve the meeting agenda.

**Roll Call Vote:**

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

**Pledge of Allegiance**

**Public Comment Period:**

Jim Hagen, 400 Lake, commented on a Consumers Energy solar project he felt was well designed and encouraged the Board to look to it as an example.

**26-01C** Director Welling, supported by Director Polyak, moved to approve the consent agenda. The consent agenda includes:

- Approve the December 18, 2025 meeting minutes
- Receive and File the December Financial Statements and Power Supply and Retail Sales Dashboards
- Receive and File the December Key Performance Indicator (KPI) Dashboard
- Receive and File the MPPA Energy Services Project Resource Position Report dated 12/23/2025

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MINUTES  
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- Approve payment of bills in the amount of \$2,371,397.44 from the Operation & Maintenance Fund
- Approve payment of bills in the amount of \$712,996.37 from the Renewal & Replacement Fund

**Roll Call Vote:**

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

**26-01D** Director Welling, supported by Director Polyak, moved to approve the Purchase Orders. The Purchase Orders include:

- Purchase Order #23245-1 to Kent Power in the amount of \$91,071 for a Harbor Drive underground project change order
- Purchase Order #23603 to Western Tel-Com in the amount of \$34,668 for a directional bore at Waverly and Eastern

There were a few difficulties getting the wire through on Harbor Drive and the change order is for the associated additional labor costs. The project is now expected to be wrapped up by the first week of March.

**Roll Call Vote:**

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

**26-01E** Director Welling, supported by Director Polyak, moved to accept the strategic planning proposal from Steve Vandermeer.

Staff interviewed three firms for strategic planning facilitation. All three firms were equally qualified to conduct this work. Staff recommends accepting Steve Vandermeer's proposal because it was the low-cost bid and the Board has familiarity with Steve from the recently conducted governance training. The strategic planning timeline was reviewed and includes a Board strategic planning workshop in April with the final draft to be approved at the Board's June meeting.

**Roll Call Vote:**

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

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**26-01F** Erik Booth provided a presentation to kick off the discussion on community solar. The BLP's customer satisfaction survey results were reviewed along with three other community solar projects in the state. The BLP's concept for community solar is for a project size of 0.3 to 0.5 megawatts with an installation cost of approximately \$1 million. The piece of land identified as a desired location is eight acres.

It is important to note that purpose of a community solar project is to meet the wishes of the community; it would not be a power supply hedge for the BLP. Similarly, the voluntary program is not designed to reduce participants' electric bills, instead it offers an opportunity to participate in a program that generates clean energy.

By consensus, the Board provided the following guidance to staff for moving forward with the community solar project:

- A subscription rate of 33% must be reached before the project moves forward
- The project should start at 0.3 megawatts in size; additional phases may be added if the project is successful
- The subscriptions will have a 20-year term
- Ownership can be transferred if a customer moves within the BLP territory or donated to a non-profit organization if the customer is moving off system

**No formal action taken.**

**Other Business**

- Coffee with the General Manager sessions to gather input for strategic planning will be held January 23<sup>rd</sup> at Sidebar Café and February 27<sup>th</sup> at Kenzie's Be Café, both from 8:00am to 9:30am.
- Community forums to gather input for strategic planning will be held at Central Park Place on February 5<sup>th</sup> from 4:30pm to 6:00pm and February 10<sup>th</sup> from 6:30pm to 8:00pm.
- A joint meeting of the BLP and City Council will be held on May 7<sup>th</sup> at 6:00pm at City Hall.

**Public Comment Period:**

Jim Hagen, 400 Lake, asked the Board to consider including an escalation schedule to the credit rate for customers participating in the community solar project.

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**Adjournment**

At 7:19PM by motion of Director Welling, supported by Director Polyak, the January 15, 2026 Board meeting was unanimously adjourned.

Respectfully submitted,

Danielle Martin  
Secretary to the Board

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DRAFT

**GRAND HAVEN BOARD OF LIGHT AND POWER  
STATEMENT OF NET POSITION  
FOR THE MONTH ENDING JANUARY 2026**

	<u>JANUARY 2026</u>	<u>JANUARY 2025</u>
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
CASH AND CASH EQUIVALENTS	\$26,843,991	\$28,106,004
ACCOUNTS RECEIVABLE	4,294,909	4,340,416
PREPAID	2,246	2,581
	31,141,146	32,449,001
<b>NON-CURRENT ASSETS</b>		
DEPOSITS HELD BY MPIA	11,978,964	10,473,032
DEPOSITS HELD BY MPPA	2,500,000	2,500,000
ADVANCE TO CITY OF GRAND HAVEN	383,299	551,755
MITIGATION FUND	17,797,003	16,885,545
2021A BOND FUND	0	398,659
2021A BOND REDEMPTION FUND	242,656	273,427
	32,901,922	31,082,418
<b>CAPITAL ASSETS</b>		
CONSTRUCTION IN PROGRESS	5,429,163	1,622,394
PROPERTY, PLANT AND EQUIPMENT	69,945,897	68,381,811
LESS ACCUMULATED DEPRECIATION	(33,210,370)	(31,283,118)
	42,164,690	38,721,087
<b>TOTAL ASSETS</b>	<b>\$106,207,758</b>	<b>\$102,252,506</b>
<b>DEFERRED OUTFLOWS/(INFLOWS)</b>		
PENSION/OPEB RELATED	2,345,348	3,736,804
<b>LIABILITIES</b>		
<b>CURRENT LIABILITIES</b>		
ACCOUNTS PAYABLE	1,721,653	1,717,446
SERIES 2021A BOND CURRENT	2,520,408	2,423,568
ACCRUED PAYROLL LIABILITIES	421,763	220,015
CUSTOMER DEPOSITS	961,531	963,919
ACCRUED TRANSFER FUND	154,306	157,229
	5,779,661	5,482,177
<b>LONG TERM LIABILITIES</b>		
ASSET RETIREMENT OBLIGATION - MITIGATION	16,612,774	17,216,980
ACCRUED SICK AND PTO	273,602	241,712
SERIES 2021A BOND	13,000,000	15,500,000
NET PENSION LIABILITIES	4,747,289	5,491,563
NET OTHER POST EMPLOYMENT BENEFIT	644,413	929,482
	35,278,078	39,379,737
<b>TOTAL LIABILITIES</b>	<b>41,057,739</b>	<b>44,861,914</b>
<b>NET POSITION</b>		
BEGINNING OF THE YEAR	63,106,783	56,080,669
YTD INCREASE IN NET ASSETS	4,388,584	5,046,727
<b>NET POSITION</b>	<b>67,495,367</b>	<b>61,127,396</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$108,553,106</b>	<b>\$105,989,310</b>

**GRAND HAVEN BOARD OF LIGHT AND POWER  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION  
FOR THE MONTH OF JANUARY 2026**

	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
<b>Operating Revenue</b>									
Residential Sales	\$ 1,205,813	\$ 8,899,021	\$ 8,401,664	\$ 497,357	5.92%	\$ 1,216,898	\$ 8,261,447	\$ 637,574	7.72%
Commercial Sales	879,565	6,719,545	6,591,952	127,593	1.94%	872,244	6,379,220	340,325	5.33%
Industrial Sales	814,892	6,732,351	6,158,916	573,435	9.31%	874,244	6,771,457	(39,106)	-0.58%
Municipal Sales	84,370	676,600	592,956	83,644	14.11%	78,419	628,905	47,695	7.58%
Total Charges for Services	2,984,640	23,027,517	21,745,488	1,282,029	5.90%	3,041,805	22,041,029	986,488	4.48%
Street Lighting	28,232	197,435	195,999	1,436	0.73%	28,113	196,501	934	0.48%
Other Revenue	127,438	332,149	223,183	108,966	48.82%	64,230	444,306	(112,157)	-25.24%
<b>Total Operating Revenue</b>	<b>3,140,310</b>	<b>23,557,101</b>	<b>22,164,670</b>	<b>1,392,431</b>	<b>6.28%</b>	<b>3,134,148</b>	<b>22,681,836</b>	<b>875,265</b>	<b>3.86%</b>
<b>Operating Expenses</b>									
Net Purchased Power	2,398,578	12,548,405	11,913,976	634,429	5.33%	1,898,874	11,939,898	608,507	5.10%
Distribution Operations	121,622	882,105	818,754	63,351	7.74%	111,403	796,957	85,148	10.68%
Distribution Maintenance	285,145	1,959,095	2,307,328	(348,233)	-15.09%	278,973	1,740,487	218,608	12.56%
Energy Optimization	363	117,479	72,917	44,562	61.11%	8,621	101,443	16,036	15.81%
Administration	327,744	1,860,840	1,894,126	(33,286)	-1.76%	273,039	1,718,911	141,929	8.26%
Legacy Pension Expense	48,034	324,341	233,333	91,008	39.00%	15,317	92,153	232,188	251.96%
<b>Operating Expenses Before Depreciation</b>	<b>3,181,486</b>	<b>17,692,265</b>	<b>17,240,434</b>	<b>451,831</b>	<b>2.62%</b>	<b>2,586,227</b>	<b>16,389,849</b>	<b>1,302,416</b>	<b>7.95%</b>
<b>Operating Changes Before Depreciation</b>	<b>(41,176)</b>	<b>5,864,836</b>	<b>4,924,236</b>	<b>940,600</b>	<b>19.10%</b>	<b>547,921</b>	<b>6,291,987</b>	<b>(427,151)</b>	<b>-6.79%</b>
Depreciation	189,234	1,352,407	1,341,661	10,746	0.80%	184,227	1,294,991	57,416	4.43%
<b>Operating Changes</b>	<b>(230,410)</b>	<b>4,512,429</b>	<b>3,582,575</b>	<b>929,854</b>	<b>25.95%</b>	<b>363,694</b>	<b>4,996,996</b>	<b>(484,567)</b>	<b>-9.70%</b>
Nonoperating Revenue/(Expenses)	66,634	480,700	222,914	257,786	115.64%	75,361	590,547	(109,847)	-18.60%
Asset Retirement Expense	-	-	-	-	#DIV/0!	-	24,698	(24,698)	-100.00%
Environmental Surcharge	73,241	586,003	583,331	2,672	0.46%	74,674	575,118	10,885	1.89%
<b>Non-Operating Revenue/(Expenses)</b>	<b>139,875</b>	<b>1,066,703</b>	<b>806,245</b>	<b>260,458</b>	<b>32.31%</b>	<b>150,035</b>	<b>1,190,363</b>	<b>(123,660)</b>	<b>-10.39%</b>
Transfers to City of Grand Haven	(154,306)	(1,190,548)	(1,097,082)	(93,466)	8.52%	(157,230)	(1,140,632)	(49,916)	4.38%
<b>Increase in Net Assets</b>	<b>\$ (244,841)</b>	<b>\$ 4,388,584</b>	<b>\$ 3,291,738</b>	<b>\$ 1,096,846</b>	<b>33.32%</b>	<b>\$ 356,499</b>	<b>\$ 5,046,727</b>	<b>\$ (658,143)</b>	<b>-13.04%</b>

**GRAND HAVEN BOARD OF LIGHT AND POWER  
POWER SUPPLY DASHBOARD  
FOR THE MONTH OF JANUARY 2026**

<b>Power Supply for Month (kWh)</b>	<b><u>FY2026</u></b>		<b><u>FY2025</u></b>	
Net Purchased (Sold) Power	17,435,626	73.80%	18,063,820	75.02%
Renewable Energy Purchases	6,189,299	26.20%	6,015,092	24.98%
<b>Monthly Power Supply Total</b>	<b>23,624,925</b>		<b>24,078,912</b>	
Days in Month	31		31	
Average Daily kWh Supply for Month	<b>762,094</b>		<b>776,739</b>	
% Change	-1.89%			

<b>Power Supply FYTD</b>	<b><u>FY2026</u></b>		<b><u>FY2025</u></b>	
Net Purchased (Sold) Power	129,096,879	75.64%	126,418,041	75.05%
Renewable Energy Purchases	41,570,921	24.36%	42,021,970	24.95%
<b>FYTD Power Supply Total</b>	<b>170,667,800</b>		<b>168,440,011</b>	
FYTD Days	215		215	
<b>Average Daily kWh Supply FYTD</b>	<b>793,804</b>		<b>783,442</b>	
% Change	1.32%			

	<b><u>FY2026</u></b>		<b><u>FY2025</u></b>	
Net Purchased Power Expenses	\$12,548,405		\$11,939,898	
% Change	5.10%			
<b>Net Energy Expenses per kWh Supplied to System FYTD</b>	<b>\$0.07353</b>		<b>\$0.07089</b>	
% Change	3.72%			

**GRAND HAVEN BOARD OF LIGHT AND POWER  
SALES DASHBOARD  
FOR THE MONTH OF JANUARY 2026**

<u>Monthly Retail Customers</u>	<u>FY2026</u>		<u>FY2025</u>	
Residential	13,257	87.45%	13,260	87.52%
Commercial	1,663	10.97%	1,649	10.88%
Industrial	128	0.84%	127	0.84%
Municipal	111	0.73%	114	0.75%
<b>Total</b>	<b>15,159</b>		<b>15,150</b>	
<b><u>Monthly Energy Sold (kWh)</u></b>				
Residential	8,012,038	38.17%	7,935,836	37.08%
Commercial	6,247,541	29.76%	6,105,349	28.53%
Industrial	6,046,877	28.81%	6,675,172	31.19%
Municipal	618,171	2.94%	617,834	2.89%
Retail Monthly Total	20,924,627	99.68%	21,334,191	99.69%
Street Lighting	66,821	0.32%	66,752	0.31%
<b>Total Monthly Energy Sold</b>	<b>20,991,448</b>		<b>21,400,943</b>	
Days in Primary Meter Cycle	31		31	
<b>kWh Sold per Day</b>	<b>677,143</b>		<b>690,353</b>	
% Change	-1.91%			

<u>Energy Sold (kWh) FYTD</u>	<u>FY2026</u>		<u>FY2025</u>	
Residential	59,384,751	35.35%	56,060,024	34.01%
Commercial	47,924,702	28.53%	46,557,566	28.24%
Industrial	54,846,487	32.65%	56,542,347	34.30%
Municipal	5,348,114	3.18%	5,228,157	3.17%
Retail Energy Sold Total FYTD	167,504,054	99.72%	164,388,094	99.72%
Street Lighting	466,277	0.28%	465,573	0.28%
<b>Energy Sold FYTD</b>	<b>167,970,331</b>		<b>164,853,667</b>	
Weighted Days in Meter Cycles FYTD	214		214	
<b>kWh Sold per Day</b>	<b>784,908</b>		<b>770,344</b>	
% Change	1.89%			

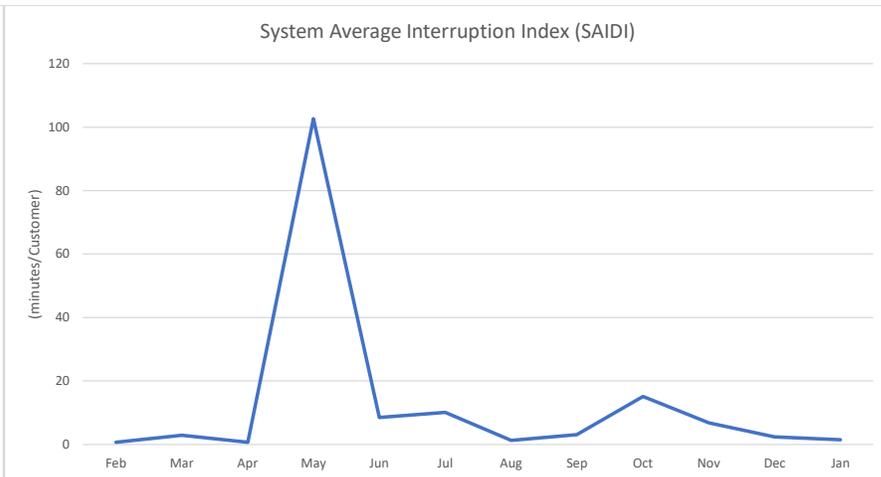
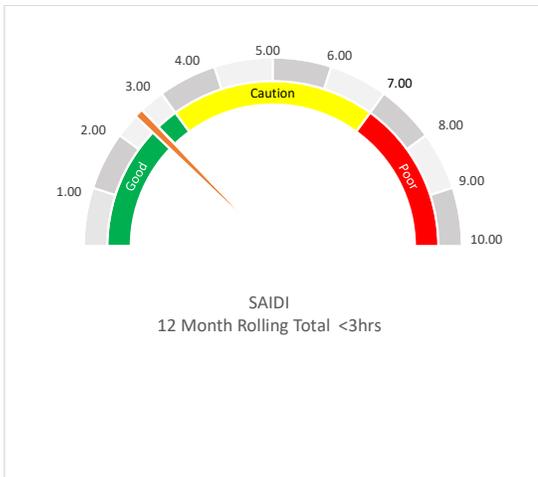
<u>Sales Revenue FYTD net ERS</u>	<u>FY2026</u>	<u>Average Rate (\$/kWh)</u>	<u>FY2025</u>	<u>Average Rate (\$/KWh)</u>	<u>Percent Change \$/kWh</u>
Residential	\$8,899,021	\$0.1499	\$8,261,447	\$0.1474	1.69%
Commercial	\$6,719,545	\$0.1402	\$6,379,220	\$0.1370	2.33%
Industrial	\$6,732,351	\$0.1227	\$6,771,457	\$0.1198	2.50%
Municipal	\$676,600	\$0.1265	\$628,905	\$0.1203	5.17%
<b>Retail Sales Revenue FYTD</b>	<b>\$23,027,517</b>	<b>\$0.1375</b>	<b>\$22,041,029</b>	<b>\$0.1341</b>	<b>2.53%</b>
Street Lighting	\$197,435		\$196,501		
<b>Total Sales Revenue FYTD (Excl. Wholesale)</b>	<b>\$23,224,952</b>	<b>\$0.1383</b>	<b>\$22,237,530</b>	<b>\$0.1349</b>	

	<u>FY2026</u>	<u>FY2025</u>
Approx. Distribution Losses FYTD	1.12%	1.67%
<b>Net Energy Expenses/kWh Sold FYTD</b>	<b>\$0.07435</b>	<b>\$0.07207</b>
% Change	3.16%	

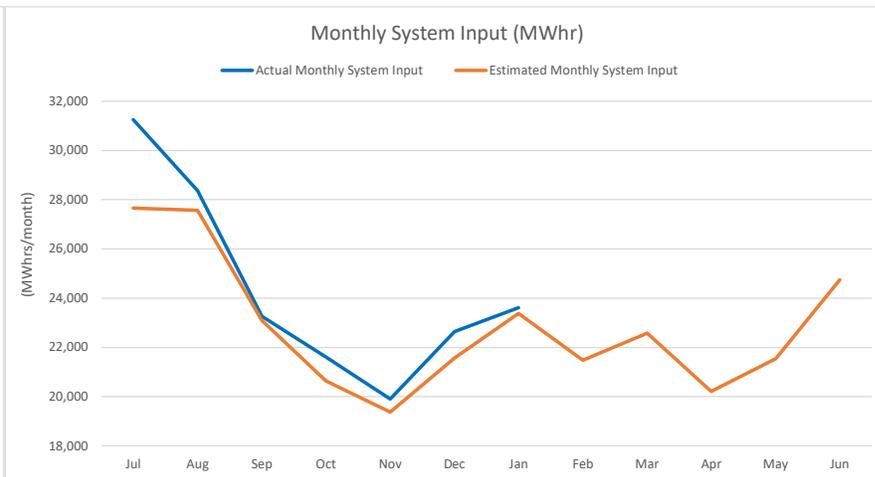
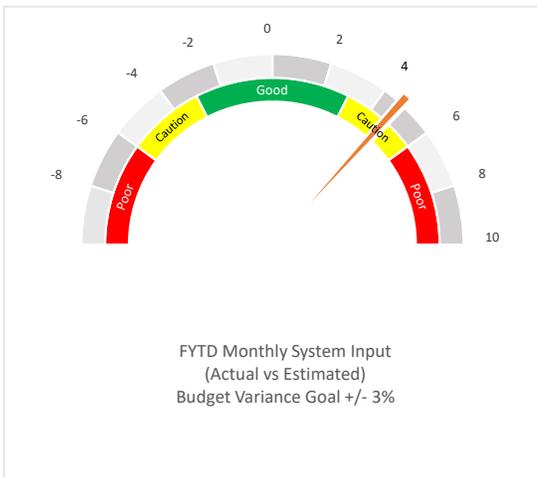
# GHBLP Key Performance Indicators

February 10, 2026

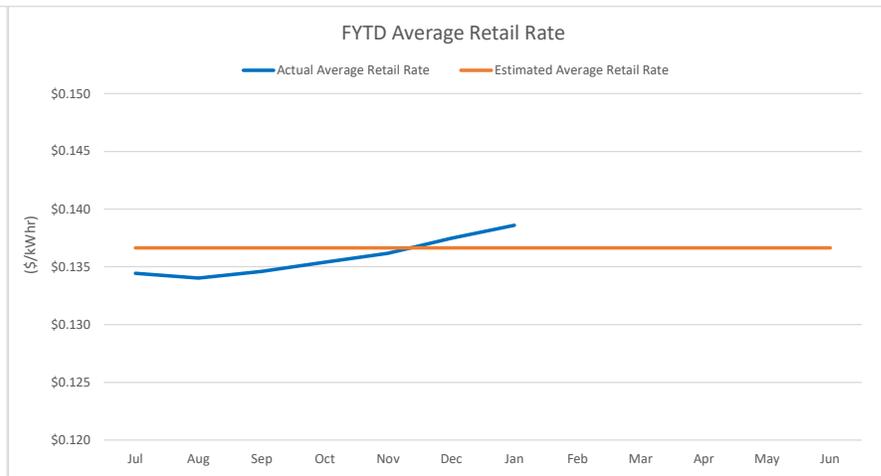
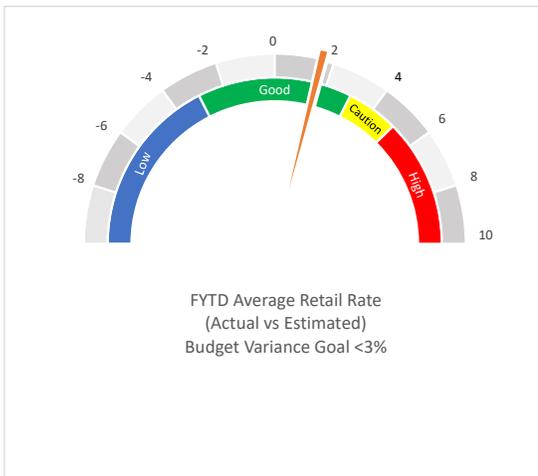
## 1) Reliability



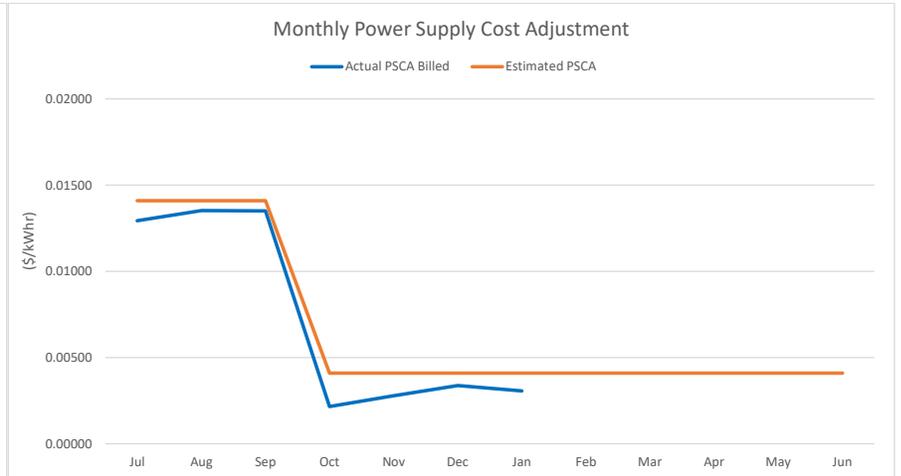
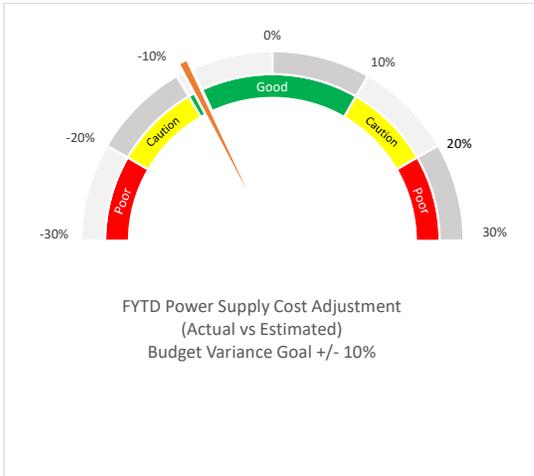
## 2) Power Supply



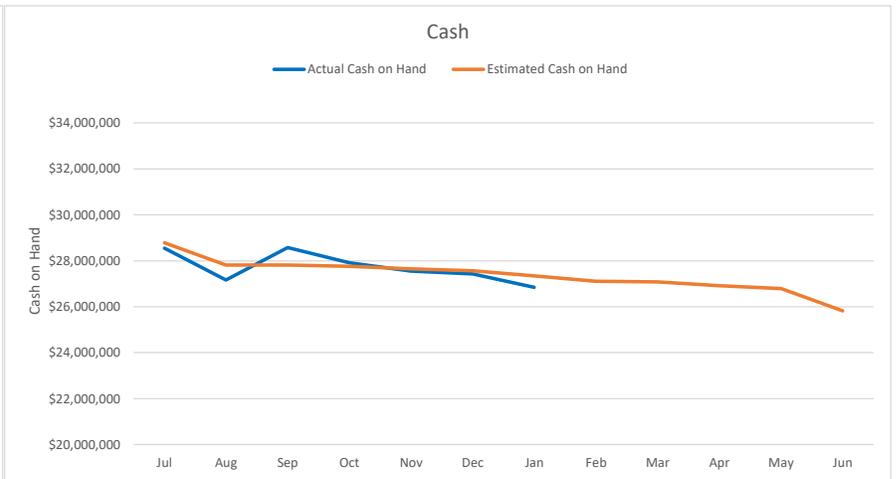
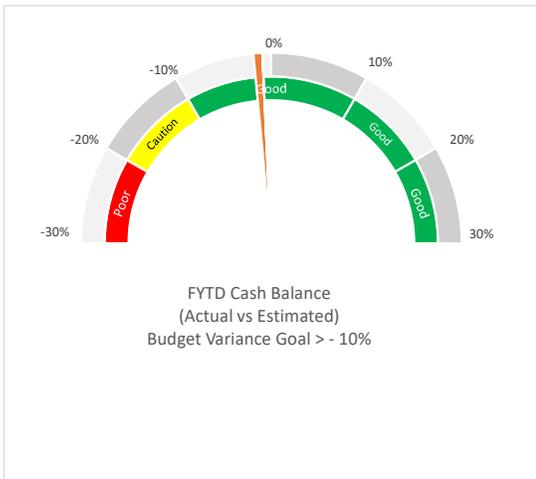
## 3) Average Retail Revenue per kWh



#### 4) Rates/PSCA



#### 5) Financial

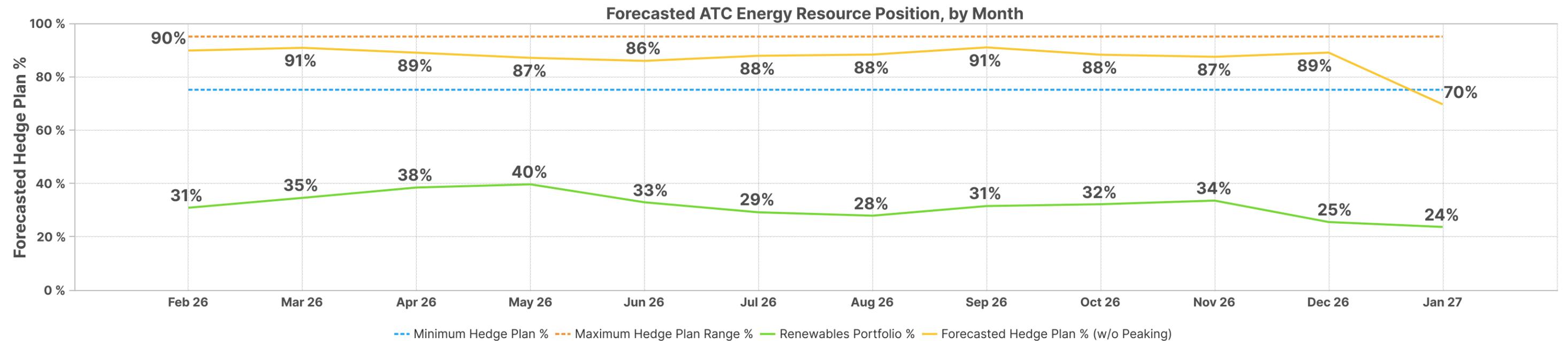


GRAN is forecasted to have an average of 87% of Around the Clock (ATC) Power Supply hedged over the upcoming 12 months, and Renewable Energy Resources are forecasted to provide an average of 31% towards load. Total Resources are forecasted to cost an average of \$54.16 Per MWh, and Market Balancing Energy is forecasted to come in at an average of \$56.84 per MWh. When including Locational Basis this results in a Total Forecasted Power Supply weighted average cost of \$55.45 over the upcoming 12 months.

### Forecasted Prompt 12 Months Energy Resource Position for GRAN

Power Supply, MWh	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
<b>Total Resources, MWh</b>	<b>18,528</b>	<b>19,492</b>	<b>17,467</b>	<b>18,578</b>	<b>21,447</b>	<b>23,957</b>	<b>23,922</b>	<b>20,630</b>	<b>18,302</b>	<b>17,090</b>	<b>18,765</b>	<b>15,800</b>
<b>Project Assets</b>	<b>1,667</b>	<b>1,916</b>	<b>1,809</b>	<b>1,894</b>	<b>1,760</b>	<b>1,834</b>	<b>1,829</b>	<b>1,699</b>	<b>1,829</b>	<b>1,844</b>	<b>1,907</b>	<b>1,891</b>
Landfill Project	1,667	1,916	1,809	1,894	1,760	1,834	1,829	1,699	1,829	1,844	1,907	1,891
<b>Contracted Power Supply</b>	<b>16,862</b>	<b>17,576</b>	<b>15,658</b>	<b>16,685</b>	<b>19,687</b>	<b>22,123</b>	<b>22,093</b>	<b>18,930</b>	<b>16,473</b>	<b>15,245</b>	<b>16,858</b>	<b>13,909</b>
Contracted Bilateral Energy Transactions	12,160	12,075	9,922	10,122	13,234	16,006	16,366	13,488	11,628	10,536	13,390	10,430
Contracted ESP Renewable PPAs	4,702	5,501	5,737	6,563	6,454	6,117	5,727	5,442	4,845	4,709	3,468	3,480

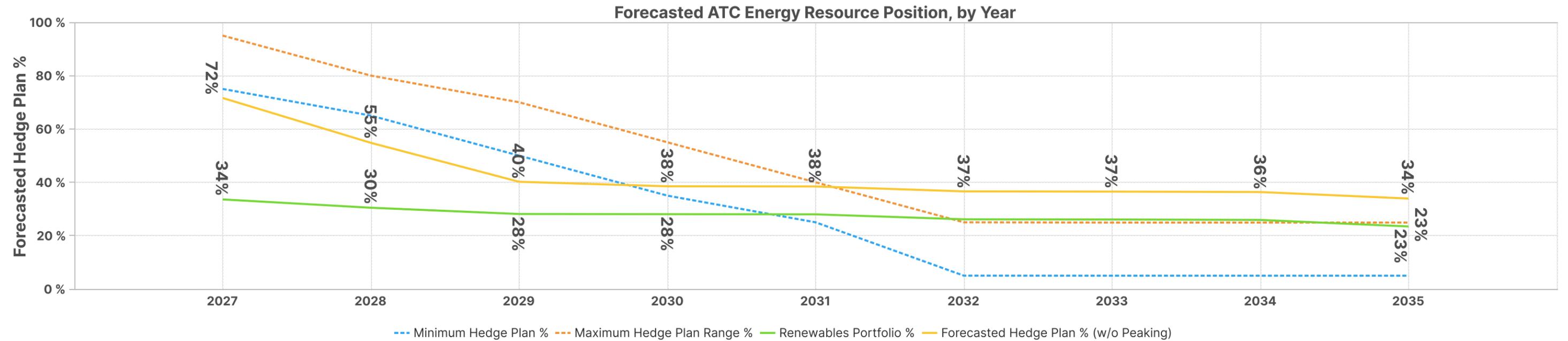
Total Power Supply	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
Forecasted Hedge Plan % (w/o Peaking)	90%	91%	89%	87%	86%	88%	88%	91%	88%	87%	89%	70%
Minimum Hedge Plan %	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Maximum Hedge Plan Range %	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Renewables Portfolio %	31%	35%	38%	40%	33%	29%	28%	31%	32%	34%	25%	24%
Forecasted Load	(20,639)	(21,464)	(19,629)	(21,341)	(24,962)	(27,278)	(27,098)	(22,679)	(20,744)	(19,542)	(21,080)	(22,695)
Forecasted Market Balancing, MWh	(2,111)	(1,972)	(2,162)	(2,763)	(3,515)	(3,320)	(3,177)	(2,049)	(2,442)	(2,452)	(2,315)	(6,895)
Forecasted Hedge % (w/ Peaking)	90%	91%	89%	87%	86%	88%	88%	91%	88%	87%	89%	70%



## Forecasted Outer Years Energy Resource Position for GRAN

Power Supply, MWh	2027	2028	2029	2030	2031	2032	2033	2034	2035
<b>Total Resources, MWh</b>	<b>192,437</b>	<b>147,113</b>	<b>107,875</b>	<b>103,294</b>	<b>103,102</b>	<b>98,153</b>	<b>97,886</b>	<b>97,415</b>	<b>90,868</b>
<b>Project Assets</b>	<b>21,880</b>	<b>13,620</b>	<b>7,491</b>	<b>7,491</b>	<b>7,490</b>	<b>2,652</b>	<b>2,653</b>	<b>2,371</b>	<b>1,818</b>
Landfill Project	21,880	13,620	7,491	7,491	7,490	2,652	2,653	2,371	1,818
<b>Contracted Power Supply</b>	<b>170,557</b>	<b>133,493</b>	<b>100,383</b>	<b>95,802</b>	<b>95,612</b>	<b>95,501</b>	<b>95,233</b>	<b>95,044</b>	<b>89,049</b>
Contracted Bilateral Energy Transactions	102,210	65,331	32,422	28,032	28,032	28,109	28,032	28,032	28,032
Contracted ESP Renewable PPAs	68,347	68,162	67,962	67,770	67,580	67,392	67,201	67,012	61,017

Total Power Supply	2027	2028	2029	2030	2031	2032	2033	2034	2035
Forecasted Hedge Plan % (w/o Peaking)	72%	55%	40%	38%	38%	37%	37%	36%	34%
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 %	34%	30%	28%	28%	28%	26%	26%	26%	23%
Forecasted Load	(268,720)	(268,491)	(268,393)	(268,325)	(268,238)	(268,176)	(268,090)	(268,021)	(267,986)
Forecasted Market Balancing, MWh	(76,283)	(121,378)	(160,518)	(165,031)	(165,136)	(170,022)	(170,204)	(170,606)	(177,119)
Forecasted Hedge % (w/ Peaking)	72%	55%	40%	38%	38%	37%	37%	36%	34%



## 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	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
<b>Total Resources, \$'s</b>	<b>(\$1,093,303)</b>	<b>(\$963,416)</b>	<b>(\$896,712)</b>	<b>(\$955,586)</b>	<b>(\$1,088,393)</b>	<b>(\$1,379,597)</b>	<b>(\$1,308,157)</b>	<b>(\$1,075,954)</b>	<b>(\$925,914)</b>	<b>(\$913,853)</b>	<b>(\$1,041,226)</b>	<b>(\$1,030,144)</b>
<b>Project Assets</b>	<b>(\$182,262)</b>	<b>(\$158,414)</b>	<b>(\$193,427)</b>	<b>(\$203,095)</b>	<b>(\$176,873)</b>	<b>(\$181,061)</b>	<b>(\$177,189)</b>	<b>(\$178,769)</b>	<b>(\$153,062)</b>	<b>(\$191,596)</b>	<b>(\$188,305)</b>	<b>(\$142,626)</b>
Landfill Project	(\$182,262)	(\$158,414)	(\$193,427)	(\$203,095)	(\$176,873)	(\$181,061)	(\$177,189)	(\$178,769)	(\$153,062)	(\$191,596)	(\$188,305)	(\$142,626)
<b>Contracted Power Supply</b>	<b>(\$911,042)</b>	<b>(\$805,002)</b>	<b>(\$703,285)</b>	<b>(\$752,491)</b>	<b>(\$911,520)</b>	<b>(\$1,198,537)</b>	<b>(\$1,130,968)</b>	<b>(\$897,185)</b>	<b>(\$772,852)</b>	<b>(\$722,257)</b>	<b>(\$852,921)</b>	<b>(\$887,518)</b>
Contracted Bilateral Energy Transactions	(\$683,733)	(\$537,696)	(\$424,613)	(\$434,172)	(\$597,212)	(\$900,867)	(\$852,218)	(\$622,040)	(\$529,467)	(\$488,399)	(\$682,597)	(\$712,244)
Contracted ESP Renewable PPAs	(\$227,308)	(\$267,306)	(\$278,672)	(\$318,319)	(\$314,308)	(\$297,670)	(\$278,750)	(\$275,144)	(\$243,385)	(\$233,857)	(\$170,324)	(\$175,274)

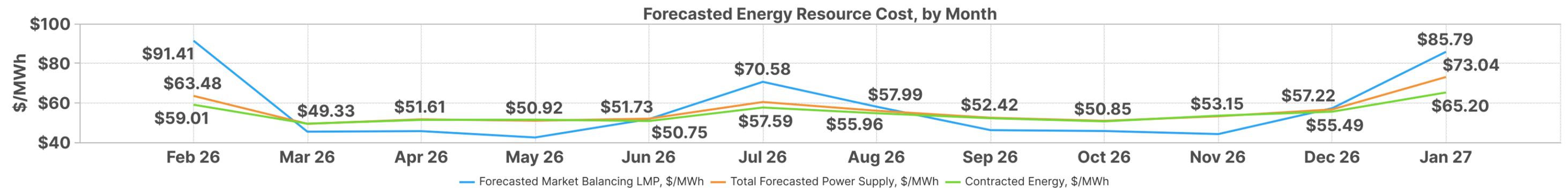
Locational Basis, \$'s	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
Locational Basis (Projects)	(\$1,944)	\$171	\$1,690	(\$937)	(\$1,196)	(\$993)	(\$2,241)	(\$535)	\$1,676	\$528	(\$167)	(\$1,530)
Locational Basis (Contracted Power Supply)	(\$21,978)	(\$6,154)	(\$19,302)	(\$12,984)	(\$25,094)	(\$31,868)	(\$21,771)	(\$17,684)	(\$19,027)	(\$17,113)	(\$19,456)	(\$34,397)

Power Supply \$/MWh	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
<b>Power Supply \$/MWh</b>	<b>\$71.31</b>	<b>\$58.60</b>	<b>\$66.10</b>	<b>\$66.22</b>	<b>\$64.78</b>	<b>\$67.88</b>	<b>\$65.87</b>	<b>\$67.29</b>	<b>\$59.82</b>	<b>\$66.63</b>	<b>\$66.27</b>	<b>\$64.70</b>
<b>Project Assets</b>	<b>\$109.35</b>	<b>\$82.66</b>	<b>\$106.93</b>	<b>\$107.25</b>	<b>\$100.50</b>	<b>\$98.71</b>	<b>\$96.87</b>	<b>\$105.20</b>	<b>\$83.68</b>	<b>\$103.89</b>	<b>\$98.73</b>	<b>\$75.43</b>
Landfill Project	\$109.35	\$82.66	\$106.93	\$107.25	\$100.50	\$98.71	\$96.87	\$105.20	\$83.68	\$103.89	\$98.73	\$75.43
<b>Contracted Power Supply</b>	<b>\$52.29</b>	<b>\$46.56</b>	<b>\$45.69</b>	<b>\$45.70</b>	<b>\$46.92</b>	<b>\$52.47</b>	<b>\$50.37</b>	<b>\$48.34</b>	<b>\$47.88</b>	<b>\$48.01</b>	<b>\$50.05</b>	<b>\$59.33</b>
Contracted Bilateral Energy Transactions	\$56.23	\$44.53	\$42.80	\$42.90	\$45.13	\$56.28	\$52.07	\$46.12	\$45.53	\$46.36	\$50.98	\$68.29
Contracted ESP Renewable PPAs	\$48.35	\$48.59	\$48.58	\$48.50	\$48.70	\$48.66	\$48.67	\$50.56	\$50.23	\$49.66	\$49.11	\$50.37

Locational Basis, \$/MWh	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
Locational Basis (Projects)	\$1.17	(\$0.09)	(\$0.93)	\$0.49	\$0.68	\$0.54	\$1.23	\$0.32	(\$0.92)	(\$0.29)	\$0.09	\$0.81
Locational Basis (Contracted Power Supply)	\$1.30	\$0.35	\$1.23	\$0.78	\$1.27	\$1.44	\$0.99	\$0.93	\$1.16	\$1.12	\$1.15	\$2.47

Total Power Supply	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
Forecasted Market Balancing LMP, \$/MWh	\$91.41	\$45.38	\$45.64	\$42.44	\$51.73	\$70.58	\$57.99	\$46.14	\$45.70	\$44.15	\$57.22	\$85.79
Forecasted Market Balancing LMP, \$'s	(\$192,925)	(\$89,460)	(\$98,681)	(\$117,245)	(\$181,844)	(\$234,358)	(\$184,192)	(\$94,552)	(\$111,586)	(\$108,276)	(\$132,480)	(\$591,488)
Total Forecasted Power Supply, \$/MWh	\$63.48	\$49.33	\$51.61	\$50.92	\$51.94	\$60.37	\$55.96	\$52.42	\$50.85	\$53.15	\$56.61	\$73.04
Total Forecasted Power Supply Costs, \$'s	(\$1,310,150)	(\$1,058,858)	(\$1,013,005)	(\$1,086,752)	(\$1,296,526)	(\$1,646,815)	(\$1,516,361)	(\$1,188,726)	(\$1,054,851)	(\$1,038,713)	(\$1,193,329)	(\$1,657,559)

Forecasted Intermittency Cost	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Aug 26	Sep 26	Oct 26	Nov 26	Dec 26	Jan 27
Solar \$/MWh	(\$8.80)	(\$4.80)	(\$4.90)	(\$2.06)	(\$2.53)	(\$3.70)	(\$3.01)	(\$2.34)	(\$4.98)	(\$4.56)	(\$5.78)	(\$8.39)
\$'s	(\$18,906.98)	(\$14,242.10)	(\$16,481.03)	(\$9,900.93)	(\$12,572.66)	(\$18,747.56)	(\$13,748.13)	(\$9,546.44)	(\$13,975.33)	(\$9,757.64)	(\$6,441.66)	(\$11,427.96)
Wind \$/MWh	(\$11.98)	(\$6.07)	(\$6.02)	(\$3.24)	(\$3.80)	(\$5.15)	(\$4.31)	(\$3.29)	(\$5.98)	(\$5.88)	(\$7.39)	(\$11.20)
\$'s	(\$30,579.30)	(\$15,394.69)	(\$14,271.17)	(\$5,709.43)	(\$5,645.21)	(\$5,430.47)	(\$5,000.14)	(\$4,460.93)	(\$12,201.54)	(\$15,105.61)	(\$17,392.28)	(\$23,727.40)



# 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	2027	2028	2029	2030	2031
<b>Total Resources, \$'s</b>	<b>(\$10,840,186)</b>	<b>(\$8,322,457)</b>	<b>(\$6,351,854)</b>	<b>(\$6,177,238)</b>	<b>(\$6,240,286)</b>
<b>Project Assets</b>	<b>(\$1,515,175)</b>	<b>(\$864,198)</b>	<b>(\$887,398)</b>	<b>(\$911,158)</b>	<b>(\$934,947)</b>
Landfill Project	(\$1,515,175)	(\$864,198)	(\$887,398)	(\$911,158)	(\$934,947)
<b>Contracted Power Supply</b>	<b>(\$9,325,011)</b>	<b>(\$7,458,258)</b>	<b>(\$5,464,456)</b>	<b>(\$5,266,081)</b>	<b>(\$5,305,339)</b>
Contracted Bilateral Energy Transactions	(\$5,840,157)	(\$3,936,021)	(\$1,904,942)	(\$1,667,904)	(\$1,667,904)
Contracted ESP Renewable PPAs	(\$3,484,854)	(\$3,522,237)	(\$3,559,514)	(\$3,598,177)	(\$3,637,435)

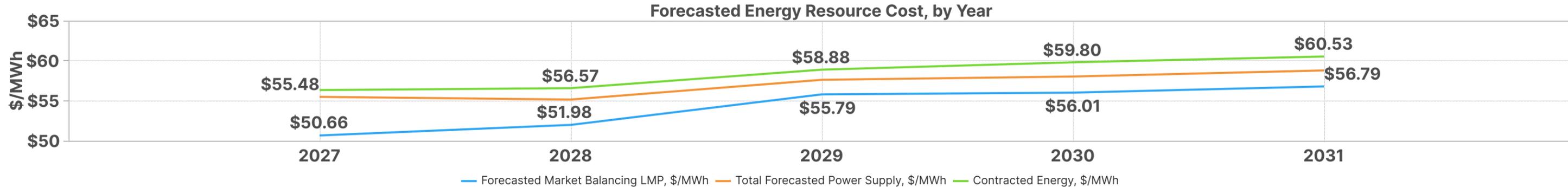
Locational Basis, \$'s	2027	2028	2029	2030	2031
Locational Basis (Projects)	(\$5,092)	(\$2,797)	(\$1,018)	(\$992)	(\$948)
Locational Basis (Contracted Power Supply)	(\$199,151)	(\$172,399)	(\$154,026)	(\$147,840)	(\$149,662)

Power Supply \$/MWh	2027	2028	2029	2030	2031
<b>Power Supply \$/MWh</b>	<b>\$59.13</b>	<b>\$58.46</b>	<b>\$76.53</b>	<b>\$78.07</b>	<b>\$79.38</b>
<b>Project Assets</b>	<b>\$69.25</b>	<b>\$63.45</b>	<b>\$118.46</b>	<b>\$121.63</b>	<b>\$124.82</b>
Landfill Project	\$69.25	\$63.45	\$118.46	\$121.63	\$124.82
<b>Contracted Power Supply</b>	<b>\$54.06</b>	<b>\$55.96</b>	<b>\$55.57</b>	<b>\$56.30</b>	<b>\$56.66</b>
Contracted Bilateral Energy Transactions	\$57.14	\$60.25	\$58.76	\$59.50	\$59.50
Contracted ESP Renewable PPAs	\$50.99	\$51.67	\$52.38	\$53.09	\$53.82

Locational Basis, \$/MWh	2027	2028	2029	2030	2031
Locational Basis (Projects)	\$0.23	\$0.21	\$0.14	\$0.13	\$0.13
Locational Basis (Contracted Power Supply)	\$1.17	\$1.29	\$1.53	\$1.54	\$1.57

Total Power Supply	2027	2028	2029	2030	2031
Forecasted Market Balancing LMP, \$/MWh	\$50.66	\$51.98	\$55.79	\$56.01	\$56.79
Forecasted Market Balancing LMP, \$'s	(\$3,864,368)	(\$6,309,301)	(\$8,955,856)	(\$9,243,372)	(\$9,377,604)
Total Forecasted Power Supply, \$/MWh	\$55.48	\$55.15	\$57.61	\$58.02	\$58.79
Total Forecasted Power Supply Costs, \$'s	(\$14,908,797)	(\$14,806,954)	(\$15,462,755)	(\$15,569,443)	(\$15,768,500)

Forecasted Intermittency Cost	2027	2028	2029	2030	2031
Solar \$/MWh	(\$3.51)	(\$3.58)	(\$3.90)	(\$3.90)	(\$3.97)
\$'s	(\$157,797.72)	(\$160,302.26)	(\$173,720.07)	(\$173,044.60)	(\$175,428.10)
Wind \$/MWh	(\$5.79)	(\$6.02)	(\$6.35)	(\$6.39)	(\$6.47)
\$'s	(\$135,376.97)	(\$140,691.56)	(\$148,265.18)	(\$149,174.48)	(\$151,219.09)

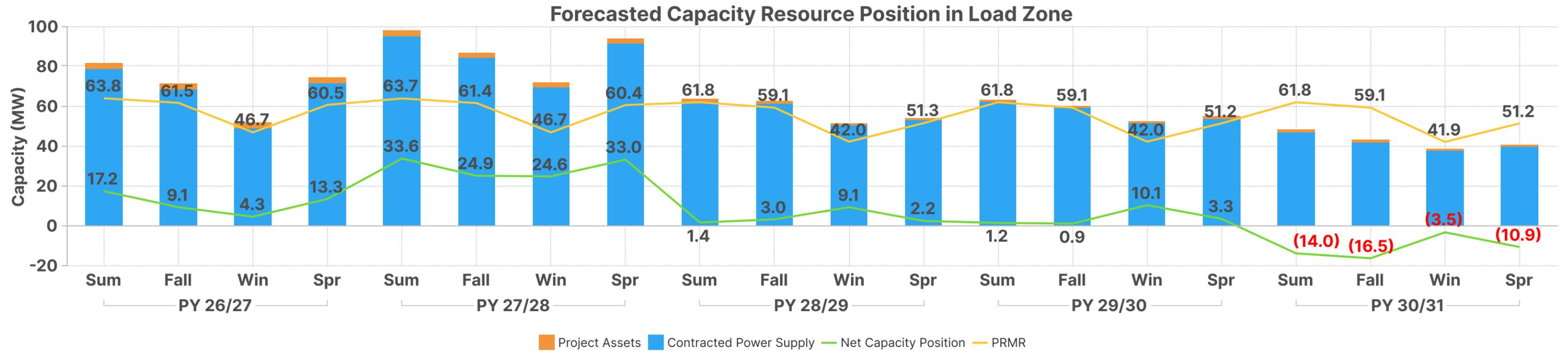


## Forecasted Outer Years Capacity Resource Position for GRAN

Capacity Resources, MW	PY 26/27				PY 27/28				PY 28/29				PY 29/30				PY 30/31			
	Sum	Fall	Win	Spr																
<b>Net Capacity Position</b>	17.2	9.1	4.3	13.3	33.6	24.9	24.6	33.0	1.4	3.0	9.1	2.2	1.2	0.9	10.1	3.3	(14.0)	(16.5)	(3.5)	(10.9)
<b>Zone 7</b>	17.2	9.1	4.3	13.3	33.6	24.9	24.6	33.0	1.4	3.0	9.1	2.2	1.2	0.9	10.1	3.3	(14.0)	(16.5)	(3.5)	(10.9)
<b>Contracted Power Supply</b>	78.9	68.5	49.0	71.7	95.2	84.3	69.3	91.4	62.5	61.4	50.4	52.8	62.3	59.3	51.5	53.8	47.0	41.9	37.7	39.6
Contracted Bilateral Capacity Transactions	64.5	57.2	47.1	58.0	79.7	74.1	66.5	77.5	55.0	54.3	48.7	50.1	55.6	54.0	50.0	51.3	41.1	38.4	36.2	37.3
Contracted ESP Renewable PPAs	14.4	11.3	1.9	13.7	15.5	10.2	2.8	13.9	7.5	7.2	1.7	2.8	6.7	5.3	1.5	2.6	5.9	3.5	1.5	2.3
<b>Planning Reserve Margin Requirement</b>	(63.8)	(61.5)	(46.7)	(60.5)	(63.7)	(61.4)	(46.7)	(60.4)	(61.8)	(59.1)	(42.0)	(51.3)	(61.8)	(59.1)	(42.0)	(51.2)	(61.8)	(59.1)	(41.9)	(51.2)
PRMR	(63.8)	(61.5)	(46.7)	(60.5)	(63.7)	(61.4)	(46.7)	(60.4)	(61.8)	(59.1)	(42.0)	(51.3)	(61.8)	(59.1)	(42.0)	(51.2)	(61.8)	(59.1)	(41.9)	(51.2)
<b>Project Assets</b>	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Landfill Project	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Net Contracted Bilateral Capacity	PY 26/27			PY 27/28			PY 28/29			PY 29/30			PY 30/31		
	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.
<b>Total Net Capacity Bilats</b>	(56.7)	(\$2,129,537)	\$3.11	(74.5)	(\$3,831,299)	\$4.29	(52.0)	(\$2,975,371)	\$4.77	(52.7)	(\$3,014,516)	\$4.77	(38.3)	(\$2,143,611)	\$4.67
Sum	(64.5)	(\$622,812)	\$3.22	(79.7)	(\$1,033,970)	\$4.32	(55.0)	(\$787,057)	\$4.77	(55.6)	(\$795,312)	\$4.77	(41.1)	(\$577,155)	\$4.68
Fall	(57.2)	(\$545,961)	\$3.18	(74.1)	(\$951,859)	\$4.28	(54.3)	(\$776,036)	\$4.77	(54.0)	(\$771,574)	\$4.77	(38.4)	(\$537,810)	\$4.67
Win	(47.1)	(\$401,505)	\$2.84	(66.5)	(\$843,277)	\$4.23	(48.7)	(\$695,997)	\$4.77	(50.0)	(\$714,426)	\$4.77	(36.2)	(\$506,379)	\$4.66
Spr	(58.0)	(\$559,259)	\$3.21	(77.5)	(\$1,002,193)	\$4.31	(50.1)	(\$716,281)	\$4.77	(51.3)	(\$733,203)	\$4.77	(37.3)	(\$522,267)	\$4.67

Net Capacity Position	PY 26/27			PY 27/28			PY 28/29			PY 29/30			PY 30/31		
	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
<b>Total Net Capacity Position</b>	4.3	\$361,200	(\$1,560,733)	24.6	\$2,140,200	(\$1,691,099)	1.4	\$126,000	(\$2,849,371)	0.9	\$83,700	(\$2,930,816)	(16.5)	(\$1,584,000)	(\$3,727,611)
Sum	4.3	\$90,300	(\$324,908)	24.6	\$535,050	(\$498,920)	1.4	\$31,500	(\$755,557)	0.9	\$20,925	(\$774,387)	(16.5)	(\$396,000)	(\$973,155)
Fall	4.3	\$90,300	(\$455,661)	24.6	\$535,050	(\$416,809)	1.4	\$31,500	(\$744,536)	0.9	\$20,925	(\$750,649)	(16.5)	(\$396,000)	(\$933,810)
Win	4.3	\$90,300	(\$311,205)	24.6	\$535,050	(\$308,227)	1.4	\$31,500	(\$664,497)	0.9	\$20,925	(\$693,501)	(16.5)	(\$396,000)	(\$902,379)
Spr	4.3	\$90,300	(\$468,959)	24.6	\$535,050	(\$467,143)	1.4	\$31,500	(\$684,781)	0.9	\$20,925	(\$712,278)	(16.5)	(\$396,000)	(\$918,267)



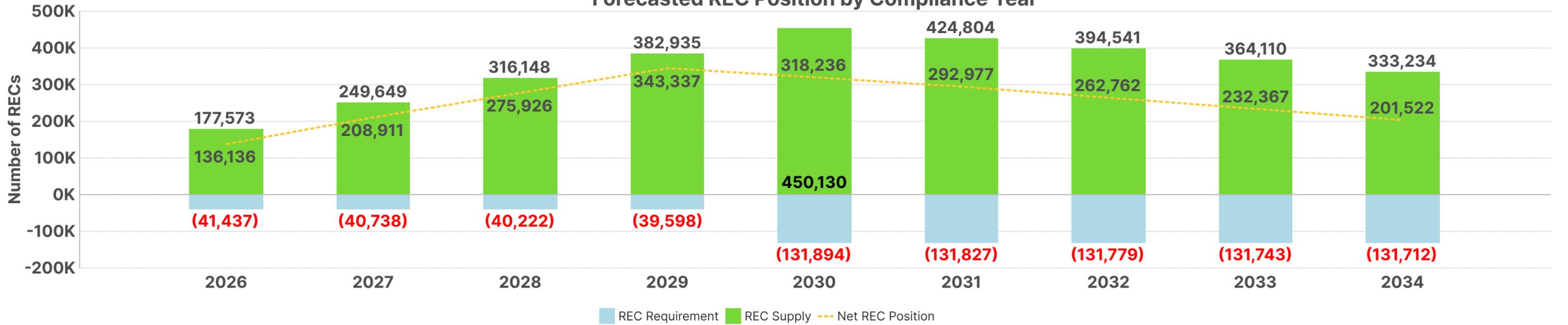
# Forecasted Renewable Energy Credit (REC) Position for GRAN

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.

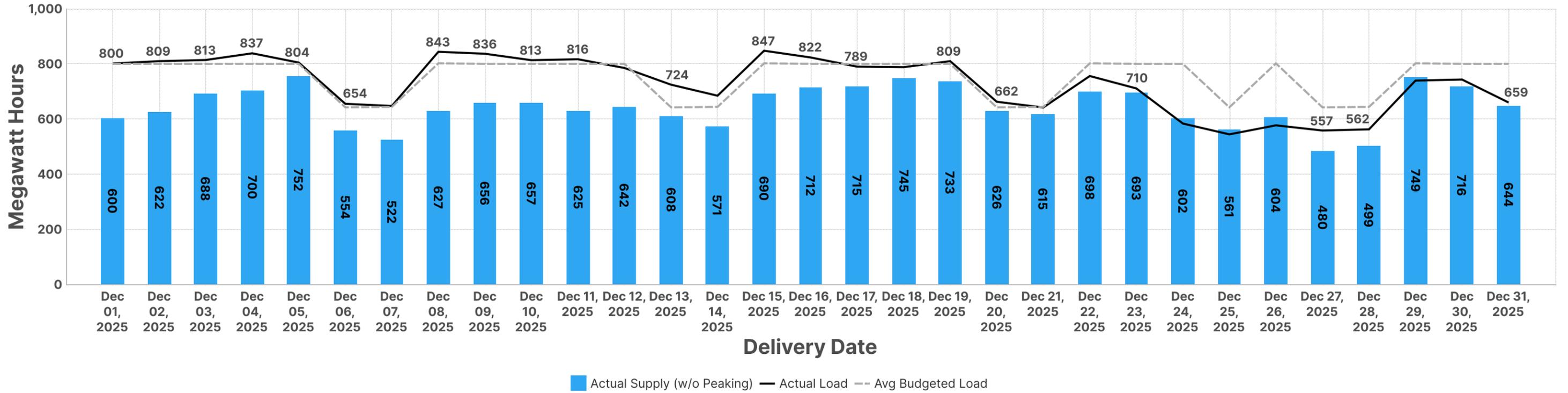
Compliance Year	2026	2027	2028	2029	2030	2031	2032	2033	2034
<b>Net REC Position</b>	<b>136,136</b>	<b>208,911</b>	<b>275,926</b>	<b>343,337</b>	<b>318,236</b>	<b>292,977</b>	<b>262,762</b>	<b>232,367</b>	<b>201,522</b>
Available Banked RECs	91,338	163,828	236,603	303,618	371,029	345,928	320,669	290,454	260,059
Hedge Policy REC Requirement	(41,437)	(40,738)	(40,222)	(39,598)	(131,894)	(131,827)	(131,779)	(131,743)	(131,712)
Assembly Solar	10,601	10,546	10,493	10,437	10,382	10,327	10,281	10,237	10,180
Assembly Solar Phase II	8,786	8,738	8,695	8,651	8,604	8,557	8,522	8,476	8,433
Beebe	5,805	5,804	5,804	5,803	5,803	5,801	5,804	5,804	5,804
Brandt Woods Solar	4,362	4,492	4,477	4,447	4,425	4,403	4,389	4,359	4,337
Hart Solar	1,710	7,700	7,670	7,639	7,608	7,578	7,548	7,518	7,487
Invenery Calhoun Solar	13,756	13,705	13,668	13,622	13,581	13,537	13,504	13,460	13,423
Landfill Project (EDL)	15,505	8,663	2,584	2,580	2,580	2,579	2,585	2,580	2,308
Landfill Project (NANR)	4,460	4,839	4,839	4,839	4,839	4,837			
Pegasus	17,544	17,544	17,544	17,547	17,546	17,542	17,544	17,544	17,544
White Tail Solar	3,706	3,790	3,771	3,752	3,733	3,715	3,696	3,677	3,659

Compliance Year	2026	2027	2028	2029	2030	2031	2032	2033	2034
3 Year Avg Retail Sales	(276,244)	(271,585)	(268,145)	(263,987)	(263,788)	(263,653)	(263,558)	(263,485)	(263,423)
Hedge Policy REC Target %	15.0%	15.0%	15.0%	15.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Hedge Policy REC Requirement	(41,437)	(40,738)	(40,222)	(39,598)	(131,894)	(131,827)	(131,779)	(131,743)	(131,712)
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

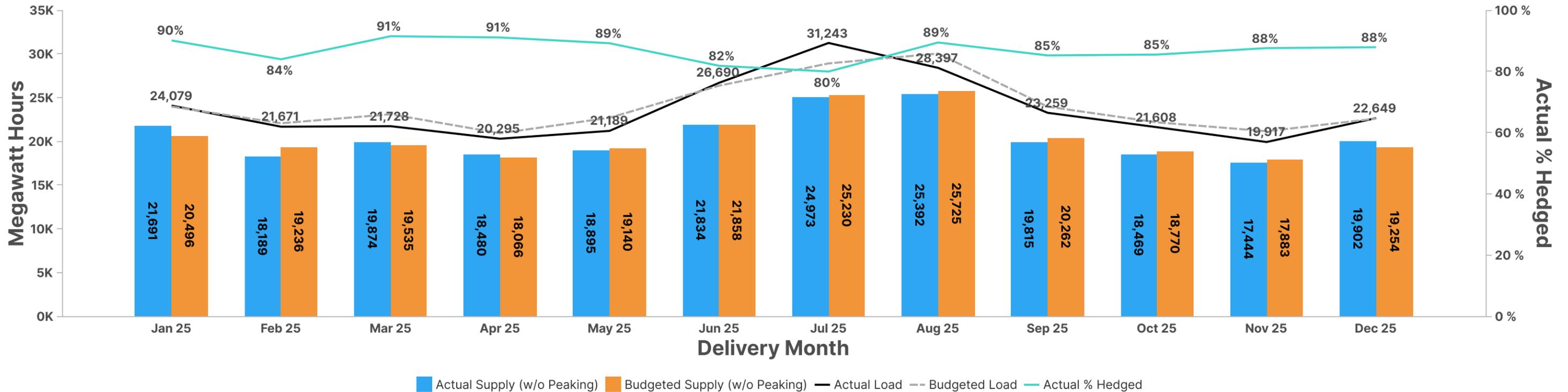
Forecasted REC Position by Compliance Year



### Daily Actual Lookback for GRAN



### Actual vs Budget Lookback for GRAN



GRAND HAVEN BOARD OF LIGHT AND POWER  
 GENERAL MANAGER'S REPORT  
 BOARD MEETING OF FEBRUARY 23, 2026

5. B. The BLP Financial Statements and Dashboards for the month ending January 31, 2026, are enclosed for review. These materials represent the utility's financial position through the first 58% of the fiscal year.

<b>Income Statement Budget to Actual Variance</b>	
	<b>over(under)</b>
Total Charges for Service	\$ 1,283,465
Other Revenue	108,966
	1,392,431
Purchased Power	634,429
Departments Salary and Fringe	(102,975)
Departments Other	(215,195)
Other	135,570
	451,830
Depreciation	10,746
Non-Operating Revenue (Expenses)	260,458
Transfers to City of Grand Haven	93,466
	451,830
Increase in Net Assets	\$ 1,096,846

**INCOME STATEMENT**

**Total charge revenues** are currently at 63% of the annual budget and are tracking 5.9% above projections. Year-to-date kilowatt-hour usage is 5.26% higher than budgeted, primarily due to warmer-than-expected weather during the first quarter of FY2026. See below:

<b>Retail Sales Budget Variance</b>				
Kwh Over (Under) Budget	5.26%	8,365,216	Kwh	\$ 1,143,063
Sales\$ per Kwh Over (Under) Budget	0.61%	\$ 0.00083	per Kwh	\$ 138,966
				\$ 1,282,029

As of this reporting period, **Operating Expenses** are at 61% of the annual budget. Purchased power, which comprises more than 70% of total operating expenses, is now 5% above budget due to purchased kwh greater than budgeted. See below:

GRAND HAVEN BOARD OF LIGHT AND POWER  
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<b>Purchased Power Budget Variance</b>				
Kwh Over (Under) Budget	4.54%	7,419,172	Kwh	\$ 541,460
Cost Over (Under) Budget per Kwh	0.75%	\$ 0.54472	per Kwh	\$ 92,966
				\$ 634,429

Year-to-Date **Renewable Energy Purchases** equal **41,570,921 kilowatt-hours**, representing **24%** of total power purchases.

**The Net Position has increased by \$4,388,584 since the start of the fiscal year.**

**BALANCE SHEET**

As of January 31, 2026, **Cash and Cash Equivalents** totaled \$26,843,991. This figure excludes funds designated for remediation, bond redemption, and working capital held with MPIA and MPPA. The current cash balance remains above the established minimum reserve threshold.

The **Asset Retirement Obligation** liability stands at \$16,612,774, with \$1,194,980 disbursed this year for remediation activities.

The FY2026 **Capital Plan** was approved at \$6,152,000. To date, 52.8% of the budgeted capital project funds have been expended.

- 5. F. Confirm Purchase Orders – There is one (1) confirming Purchase Order on the Consent Agenda this month of **\$36,906** 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 FEBRUARY 23, 2026

6. A. Approve Purchase Orders – There are three (3) Purchases Orders totaling **\$342,569** 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).

I have one (1) PO for which I would like to give more detail.

PO #23629 – City of Grand Haven: This PO is to allow the BLP to reimburse the City for work to be performed by HDR. The scope of work is to perform phases 2 & 3 of the Remedial Data Collection Work Plan (CCR portion only). Please see the attached memo and the City and proposal from HDR. This work is scheduled for spring and summer of 2026. City Staff is recommending approval.

6. B. Power Purchase Commitment – Enclosed in the packet is a Power Purchase Commitment (PPC). This PPC will authorize MPPA to make power purchases on behalf of the GHBLP consistent with our Energy Hedge Plan under the Energy Services Agreement between MPPA and Grand Haven. Staff recommends approval.

RS/dm

Attachments 2/19/26



## MEMORANDUM

TO: BLP Board

CC: Rob Shelley – General Manager BLP  
Ashley Latsch – City Manager

FROM: Derek Gajdos – Project Management Director *DG*

DATE: February 6, 2026

SUBJECT: HDR Task Order 27 – CCR Data Collection Work Plan Phase 2 & 3

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The City's Renew Harbor Island project is moving into its final data collection phases with the project's approved Michigan Department of Environment Great Lakes and Energy (EGLE) Data Collection Work Plan. The Work Plan is split into three phases. This is necessary because Phases II and III are dependent on what is found/identified in Phase I. All three phases are intended to gather final site-specific information to support remedial design and selection, which is anticipated to occur in the second or third quarter of 2026. City staff and the City's Environmental Legal Counsel reviewed the work plan prior to submission to EGLE.

Phase 2 & 3 of the Remedial Data Collection Work Plan will begin after authorization from the BLP and City Council and is anticipated to conclude in summer 2026.

Task Order 27 splits out the CCR efforts of the Work Plan and includes the following:

- Topographic and Bathymetric Surveys
- Wetland Evaluations
- Aquifer Testing
- Groundwater Modeling

One important note regarding Task 37.3, the aquifer test: To control costs and have flexibility with disposal of the pumped water, any treatment costs will be billed directly to the City. Currently, the City is permitted to return the water to the aquifer which should require no treatment costs, however, if there becomes a need to treat the pumped water city staff will move forward with the most efficient and cost-effective process. If there are any treatment costs, city staff will work with BLP staff to come up with an agreed upon cost share dependent on actual contamination observed within the discharge of waters.

The work plan will be considered by City Council at its February 16, 2026 Council Meeting. This was done in order to be expeditious and not prolong the start of this task orders efforts. It is proposed by city staff that City Council's approval is fully contingent upon the BLP Boards approval for this Task Order.

Therefore, city staff request the BLP Board approve the proposed Task Order 27, Task 37 with HDR of Ann Arbor Michigan in the not to exceed amount of \$232,377.



February 6, 2026

Mr. Derek Gajdos  
Program Management Director  
City of Grand Haven  
Grand Haven, MI 49417  
[dgajdos@grandhaven.org](mailto:dgajdos@grandhaven.org)

**RE: Former J.B. Sims Generating Station Phase 2 and Phase 3 CCR Data Collection Work Plan Task Order 027 for HDR Task 37**

Dear Derek,

HDR Michigan, Inc. (HDR) appreciates the opportunity to continue to assist the City of Grand Haven (City) with Coal Combustion Residuals (CCR) compliance and Per and Polyfluoroalkyl Substances (PFAS) at the former J.B. Sims Generating Station (Sims) owned by the Grand Haven Board of Light & Power (GHBLP) and environmental investigation at Harbor Island.

This Task Order is for HDR to implement recommendations related to Phases 2 and 3 of the Remedial Investigation Data Collection Work Plan. The Remedial Investigation Site Specific Data Collection Work Plan (Work Plan) was developed for the Former J.B. Sims Generating Station (Site or the Island) to support the remedial evaluation of potential alternatives as outlined in the Assessment of Corrective Measures (ACM). The Work Plan included activities for data collection related to the remediation of CCR and PFAS observed/detected at the Island. The Work Plan was submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) on July 8, 2025 and is posted on the Renew Harbor Island website Remedial Investigation Data Collection Work Plan and was approved by EGLE on July 9, 2025.

Fieldwork for Phase I was performed in the 4th Quarter of 2025 and reporting and analysis is underway.



## PROJECT DESCRIPTION

Phases 2 and 3 of the Remedial Investigation Data Collection Work Plan include four primary field tasks as presented below:

1. A topographic and bathymetric survey of Harbor Island to estimate land surface areas to provide engineering designs and calculate material volumes related to remedial alternatives. The survey will be coordinated by HDR and performed by The Mannik & Smith Group, Inc. (MSG) as a subcontractor to HDR. MSG will map the land surface topography and the bathymetry of the Units 1/2 impoundment ponds, the internal wetland, a portion of the Northern wetland, and the South and Main channels of the Grand River.
2. Wetland assessments will be performed to quantify the value of wetland resources present at Harbor Island, in support of potential wetland mitigation measures that may be required as part of remedial solutions.
3. An aquifer test is proposed to collect site-specific hydrogeologic data to support future remedy selection, which may include groundwater extraction and treatment. The test will assess the feasibility of sustained groundwater withdrawal by conducting a short-term pumping test and extrapolating results to predict long-term groundwater management performance.
4. A 3-dimensional numeric groundwater flow model will be developed to design groundwater extraction. Hydraulic control of contaminated groundwater through extraction is a component of most proposed remedial options.

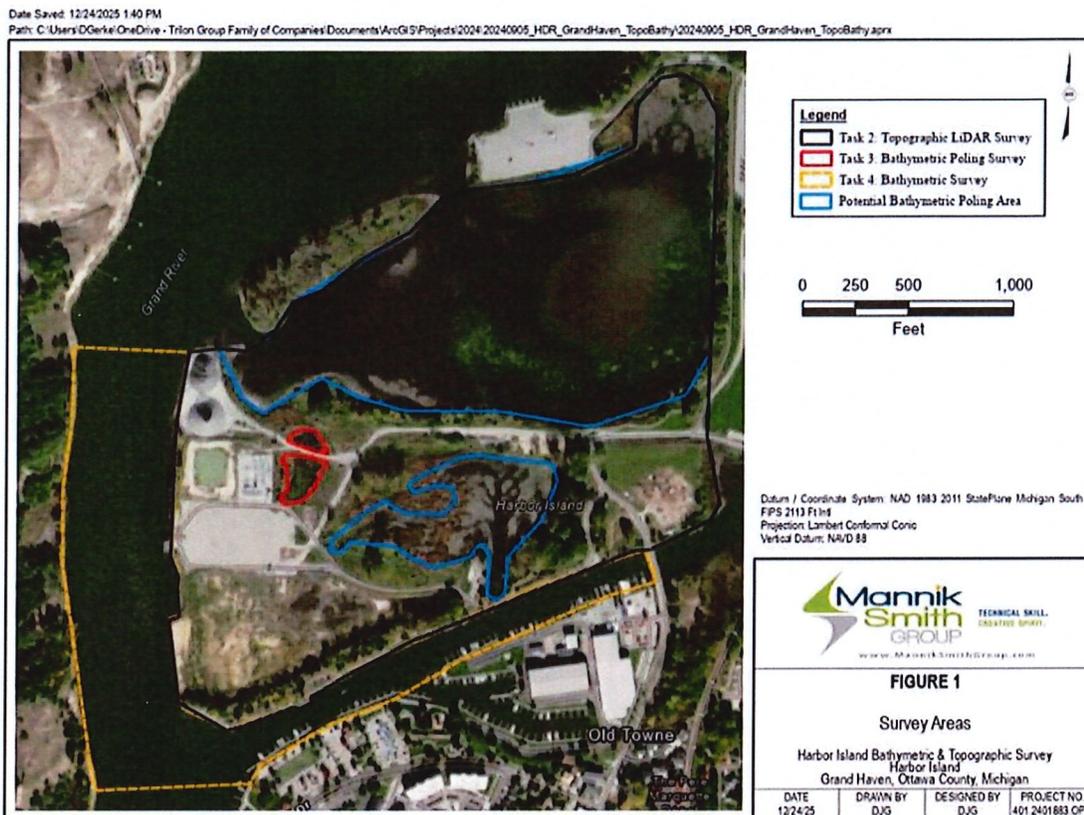
The purpose of these four tasks is to gather data needed to inform the Remedial Alternatives Assessment, to be initiated in the second quarter of 2026.

## SCOPE OF SERVICES

HDR proposes to perform the following scope of services:

### **Task 37.1: Topographic and Bathymetric Surveys**

The purpose of the topographic and bathymetric surveys is to gather surface data to perform remedy design, and to estimate the potential for groundwater flow under surface water features. The areas proposed for topographic and bathymetric surveys are shown on Figure 1:



**Figure 1: Survey Areas**

### Topographic Survey

MSG will conduct a LiDAR (Light Detection and Ranging) survey using Unmanned Aircraft Systems (UAS, i.e. drone technology). The survey unit is designed to collect up to 1.2 million points/second, with accuracies of 0.2 feet horizontal, and 0.3 feet vertical. The LiDAR data will be verified with elevation data on the site using Trimble survey and conventional equipment with horizontal and vertical accuracy of approximately 0.1 feet. Before and after the LiDAR survey, MSG will use a National Geodetic Survey Benchmark to QA/QC the GPS data.

The location and extent of the LiDAR survey is shown on Figure 1, and includes Harbor Island, the Internal Wetland, and the Northern Wetland. The annual minimum stage for Lake Michigan and the Grand River is typically around March 1, so the intent is to collect the LiDAR data after snow cover has melted from the land and wetland surfaces, and as near as practical to the minimum river stage to expose the maximum extent of wetland sediments.

### **Bathymetric Survey**

The location and extent of the bathymetric survey is shown on Figure 1 and includes the Main and South Channels of the Grand River, and the Units 1/2 Impoundment ponds. MSG will utilize a 2-person field team, an 18-foot bathymetric survey vessel, single-beam sonar equipment, and Trimble and conventional survey equipment to conduct a bathymetric survey of the South Channel and Main Channel of the Grand River. The survey will be conducted along transects set approximately 250 to 500 feet apart. The sonar data has vertical resolution of 0.01 feet and has a shallow-water limitation of approximately 2 feet. The sonar equipment will be coupled to Trimble equipment which has horizontal and vertical accuracy of better than 0.1 feet.

MSG will use a 12-foot survey vessel with Trimble and conventional survey equipment (horizontal and vertical accuracy of better than 0.1 feet) to collect “poling” survey data in wetlands with standing water, but are too shallow for sonar bathymetry. It is expected that the Units 1/2 Impoundment ponds will require that a topographic survey be completed by poling.

Data will be collected at 20-foot gridded intervals in the north and south Units 1/2 Impoundment ponds. The survey team will increase sampling density to accurately delineate anomalous areas. Before and after the survey, MSG will use a National Geodetic Survey Benchmark to QA/QC the GPS data.

With the minimum stage expected around March 1, it is intended that sufficient topographic data may be collected in the Internal Wetland through LiDAR; however, if the water stage covers the Internal Wetland sediment surface, the survey will be completed through poling at 50-foot gridded intervals in the Internal Wetland.

One HDR staff member will assist MSG in accessing the site and be present in the field during the first half-day of field activities.

### **Schedule**

The survey work is planned to occur in March 2026, as soon as practical after melting of the seasonal snowpack. The best likelihood for maximizing LiDAR data collection is to fly the drone as near as possible to March 1, which is historically, the annual minimum stage of Lake Michigan and Grand River.

The LiDAR effort is expected to take two days. The poling work is currently scoped for one day, and the bathymetry work one day. Survey data, figures, and a data report will be received from MSG within six weeks of the end of the field effort.

### **Meetings**

One kick-off meeting between HDR and MSG will occur prior to field mobilization.

### **Deliverables**

MSG will prepare a summary report providing the details of the field tasks including methods, settings, QA/QC procedures, depictions, maps, drawings, and project summary. The report will also include geo-referenced aerial photographs as figure background to show relevant project information.

Survey data will be reported in the State Plane coordinate system (Michigan South).

### **Assumptions**

- No permits (i.e., wetland permits) will be required to complete the proposed work.
- MSG has safe and adequate access to survey locations.
- Bathymetric data will not be collected using sonar in water depths of less than 3 feet.
- The project site is accessible with the use of waders or survey vessels. MSG considers the site inaccessible by wading if water depths are greater than 3 feet, or if the wetland(s) consist of soft sediments that preclude safe wading (i.e., silt, mud, soft clay, industrial debris). If unsafe, MSG may recommend alternative methods of access, which may require wetland permits.
- Costs are predicated on the absence of any delays, particularly weather-related. Conditions that could potentially delay field data collection, and which may incur stand-by costs, include snow, ice, winds greater than 20 miles per hour (mph), waves greater than 1 foot, air temperatures below freezing, combined air and water temperatures less than 85 degrees Fahrenheit, heat index greater than 100 degrees Fahrenheit, moderate to heavy rain, heavy fog, or lightning. Additionally, MSG does not launch or operate the survey vessels before sunrise or after sunset.
- If significant gaps remain in the LiDAR survey due to standing water, or in the sonar bathymetry survey due to shallow water, MSG will collect additional survey data using the bathymetric poling method. One additional day of poling at a daily rate of \$1,969.00 has been included in the cost proposal for this method.
- Every effort will be made to avoid standby occurrences. However, a standby allowance of \$7,556 has been included as contingency and will only be billed if used due to unanticipated delays. The use of this contingency will be communicated with the City prior to using.

### **Task 37.2: Wetland Evaluations**

The objective of Task 37.2 is to characterize and quantify wetland communities on the Island with the expectation that future remedial actions are likely to require mitigation. HDR will meet with the City to discuss probable wetland mitigation options, and with EGLE staff to clarify data objectives. Following the meetings, HDR wetland scientists will perform a Wetland Function Assessment and Wetland Type Determination during the growing season (approximately May 2026). The data collected during the field assessment will be used to evaluate the quality and ecological functions of the onsite wetlands, ensuring that mitigation measures comply with legal requirements for in-kind replacement.

HDR proposes to conduct a site visit to perform the Wetland Functional Assessment and Wetland Type Determination. HDR will use the “Michigan Wetlands Monitoring and Assessment Strategy” Levels 1 and 2 and the “Natural Communities of Michigan: Classification and Description” to determine the wetland types of each wetland identified on site. HDR will complete the Level 1 Landscape Assessment using GIS and remote sensing to gain a landscape view of the watershed and wetland conditions. Two HDR wetland professionals will conduct the field portion of the Assessment over three days.

Subsequently, HDR will perform the Level 2 Rapid Wetland Assessment, completing the Michigan Rapid Assessment Method for Wetlands (MiRAM) for each wetland. Finally, HDR will collect Floristic Quality Assessment data for each wetland. Data will be compiled into a summary report, for review by EGLE Water Resources Division (WRD).

### **Schedule**

The field portion of the Wetland Function Assessment and Wetland Type Determination cannot be initiated until the beginning of the growing season, approximately May 2026. Meetings with the City and EGLE WRD are proposed for April 2026.

Due to the required wetlands assessment timing, the wetlands assessment findings will not likely be available to include in the first draft of the Remedial Alternatives Assessment anticipated in approximately June 2026. Therefore, the costs in the Alternatives Assessment will have to assume impact costs for an assumed wetland function.

### **Meetings**

One teleconference meeting is proposed between HDR and the City, and one is proposed to include HDR, the City, and decision-making representatives from EGLE WRD and Material Management Division (MMD).

The purpose of the meeting with the City is to clarify the desired outcomes for a subsequent meeting with EGLE that will involve representatives from both WRD and MMD. HDR will coordinate with the City to discuss the probable extent of wetlands that may potentially impacted through a remedial solution and estimate the wetland acreage that will likely require mitigation. HDR will present the proposed data collection plan to the City, that will subsequently be presented to EGLE, for the purpose of quantifying wetland future mitigation needs.

The purpose of the meeting with EGLE MMD and WRD is to develop alignment regarding data objectives for the field effort. Ahead of the meeting with both the WRD and MMD divisions at EGLE, HDR will send to EGLE a visual representation of the site, a project description, an agenda, and any other agreed-upon supporting materials. After the meeting, HDR will document the meeting outcomes in a meeting summary that will be distributed to all attendees.

### **Deliverables**

HDR will prepare a draft summary report with figures illustrating the results of the Wetland Function Assessment and Wetland Type Determination. The report will be finalized upon review and comment by EGLE and the City.

### **Assumptions**

- No permits (i.e., wetland permits) will be required to complete the proposed work.
- EGLE staff are available for meeting prior to mobilizing for the field effort (May). Two HDR staff will attend the meeting with the City, and two HDR staff will attend the meeting with EGLE.
- The field effort is assumed to require two staff members for three field days.

### **Task 37.3: Aquifer Testing**

An aquifer test is proposed to collect hydrogeologic data to evaluate the feasibility of groundwater extraction at the Site, and to support design of a groundwater extraction and treatment (GWET) system and groundwater modeling efforts. Task 37.3 is divided into the following six sections to better describe the steps needed to prepare for and execute the test:

1. Work Plan Preparation
2. Design and Installation of Pumping Well (PW-1)
3. Water Staging, Storage and Disposal
4. Aquifer Testing
5. Reporting

#### **3a: Work Plan**

An aquifer test work plan will be prepared to manage each component of Task 3, including the construction of a new pumping well, the staging and sampling of water, the test execution, and data synthesis. A draft Work Plan will be provided to the City for review and comment prior to getting EGLE approval on the Work Plan. If EGLE's approval results in changes to the planned field work, HDR will discuss changes with the City prior to field mobilization and discuss impact to the scope, schedule, and/or budget.

#### **3b: Design and Installation of Pumping Well (PW-1)**

A new pumping well (PW-1) suitable for performing an aquifer test is proposed to be constructed north of Unit 3AB, generally between monitoring wells MW-06 and MW-11, by an approved drilling subcontractor. The well is proposed to be constructed using 6-inch diameter, Schedule 40 PVC materials and a wire-wrapped screen. The maximum screen length will be 20 feet, and the screen slot size will be determined from a sieve analysis of three fine-to-medium sand samples collected approximately 30 feet below grade at nearby wells MW-09B and MW-01R2, which were drilled in November 2025. The six-inch diameter well materials are necessary to allow a four-inch diameter pump to be installed, which is necessary to pump a constant withdrawal rate of up to 100 gallons per minute (GPM). The intent of the well design is to achieve a reasonably high withdrawal rate to stress the aquifer.

A cost estimate for construction and development of pumping well PW-1 was obtained from Stearns Drilling (Dutton, MI). Well installation is targeted for February 2026. During well construction, one soil sample will be collected for geotechnical analysis by Soil & Material Engineers (SME) for grain size and permeameter testing to characterize the hydraulic properties of the silt unit underlying the shallow aquifer.

The pumping well location was chosen to be in an area with reported contamination of PFAS and CCR constituents; and to evaluate the degree of hydraulic communication between the aquifer and surface water (i.e., Units 1/2 Impoundment ponds). Additionally, the proposed test well PW-1 could potentially serve as a production well under a later GWET remedy implementation. From the proposed location north of Unit 3AB, and at a rate of 100 GPM, it is predicted that aquifer drawdown may be observed within approximately 250 feet of the pumping well. Monitoring wells at which aquifer drawdown may reasonably be expected include: MW-01R, MW-01RB, MW-02, MW-05, MW-06, MW-02, MW-10, MW-11, MW-12, and MW-31. Additional nearby wells will be manually monitored (with a water level meter) for water level drawdown before, during, and after the pumping phase of the test.

HDR personnel will be onsite to oversee the well drilling, log geologic materials, and monitor well development. The well will be developed by the driller to remove fine sediments from the screen and improve efficiency of the production well. Water withdrawn from the well will be temporarily staged in a fractionation tank ("frac tank") located near the well.

Near the end of well development, one water sample will be collected and analyzed for CCR constituents and water treatment-related parameters (Tables 1 and 2, under Task 3e). This sample will be analyzed under accelerated, 3- to 5-day turnaround for the purpose of having analytical results before the start of the aquifer test. The results from this sample will help define expectations for both sample collection and water management during the pumping phase of the test.

### **3c: Water Staging, Storage, and Disposal**

Water generated from well development and aquifer testing will be staged in frac tanks located near the test well. The number of tanks needed for storage will depend on the test rate and duration of the test. Assuming that 100 gallons per minute (GPM) is withdrawn for 48 hours, up to 288,000 gallons may be generated during the pumping phase. A step drawdown test may generate up to 15,000 gallons and development of the pumping well may generate an additional 50,000 gallons. In total, 353,000 gallons would require eighteen 20,000-gallon frac tanks to store all of the water.

A cost estimate was obtained from Taplin Enterprises (Taplin) to stage up to 18 frac tanks for up to 60 days.

Water samples will be collected from a spigot plumbed to the pumping well wellhead at 6-hour intervals during the test. Water samples will also be collected from individual frac tanks after they

have been filled. In part to inform decision-making regarding water disposal, a robust water sampling plan has been established (Task 3e).

### **3d: Aquifer Testing**

The active testing portion of the aquifer test consists of four stages: the preliminary monitoring phase; a step drawdown test to estimate efficiency and select the constant pumping rate; the pumping phase at that constant withdrawal rate; and the recovery phase.

#### **PRELIMINARY MONITORING PHASE**

Approximately 48 hours before testing, datalogging transducers will be deployed in up to 9 monitoring wells, and the PW-1 pumping well. Note that Solinst-brand transducers are already located at MW-05 and MW-31, and a transducer has been purchased for MW-09; these transducers are currently programmed to record data at one-hour intervals, but will be reprogrammed to shorter intervals (i.e., 1 minute) for the duration of the testing phases. Therefore 7 transducers will be rented.

The purpose of the preliminary phase is to identify and document background trends or interferences that may persist during the active pumping phases of the test.

#### **STEP DRAWDOWN PUMP TEST**

Following development of well PW-1, the optimal rate for the constant-rate test will be determined through a step drawdown test ("step test"). The step test consists of pumping the new well at three different rates, for one hour at each rate. The three rates will be proposed after well development. For illustration purposes, the rates could be 80, 100 and 120 GPM. Water withdrawn from well PW-1 during the step test will be temporarily staged in a frac tank.

The drilling subcontractor used to construct the well will also be contracted to provide the pump(s), piping, valve, flow meters, power, and up to 600 feet of discharge hose to the frac tanks complete the step test. The subcontractor will also plumb a sampling port at the wellhead to allow in-stream water quality to be monitored, and water quality samples to be collected.

HDR will be present during the step test to coordinate the test, monitor water levels in the well, and to download the datalogging transducers in nearby wells.

#### **CONSTANT-RATE PUMPING TEST**

Following water level recovery in the test well after the step test, a constant-rate aquifer test will be completed at a rate selected following review of the step test results. The duration of the constant-rate test is planned to be a minimum of 24 hours, and a maximum of 48 hours; the test will be terminated before 48 hours if it is determined that the goals of the test have been accomplished.

HDR will staff the pump test with 2 personnel during the daylight hours to collect manual measurements from wells, download and analyze transducer data, collect water samples, and monitor the pump discharge. Note that at least two water samples will need to be collected late-

night or early morning (i.e., midnight to 4 AM) in which case one personnel will be onsite to collect the samples. The drilling subcontractor will provide staff who will be present through the night to maintain the pumping equipment and refueling the generator. HDR will be available "on-call" to the driller for on-call during off-hours incase an issue need to be resolved.

Water withdrawn from the well during the constant-rate test will be staged in frac tanks.

#### **RECOVERY PHASE - TEST DEMOBILIZATION**

The recovery phase begins with shutdown of the pump. After the test, the drilling subcontractor will remove the pump and transducer from PW-1 once the water level has recovered 90% from its maximum drawdown, disassemble the discharging piping, and demobilize from the site. Transducers located in monitored wells will continue to log recovery data for a minimum of 48 hours after the end of the pumping phase.

Following the recovery phase, water will be released from the frac tanks to the ground surface as approved by EGLE. The flow of released water will be directed and slowed using plastic sheeting, straw bales, and other equipment as needed, reducing its velocity to prevent erosion.

#### **ANALYTICAL SAMPLING PROGRAM**

During the test, water samples will be collected from a spigot plumbed to the pumping well discharge, and from the filled frac tanks.

Water samples will be collected during the test for two groups of analytical parameters:

- CCR parameters (Table 1): The analyte list is identical to the sampling program described in the Hydrogeologic Monitoring Plan (HMP), with the exception that radium will be excluded due to its 6-week turnaround time. Radium has not had concentrations greater than groundwater protection standards at the site. The CCR parameters will be analyzed by Trace Analytical (Muskegon, MI).
- Water treatment parameters (Table 2): To inform future treatment system design, these parameters will be analyzed by Trace Analytical (Muskegon, MI).



<b>Table 1. Groundwater Quality Parameters for Analysis</b>	
<b>Metals by EPA 6020B</b>	<b>Metals by EPA 6010D</b>
Antimony	Boron
Arsenic	Calcium
Barium	Iron
Beryllium	Lithium
Cadmium	
Chromium	<b>EPA 300.0</b>
Cobalt	Chloride
Copper	Fluoride
Lead	Sulfate
Molybdenum	
Nickel	<b>SM2540</b>
Selenium	Total Dissolved Solids (TDS)
Silver	Total Suspended Solids (TSS)
Thallium	
Vanadium	<b>SM4500-H+</b>
Zinc	pH
<b>Metals by EPA 245.1</b>	
Mercury	

<b>Table 2. Additional Treatment Parameters</b>	
<b>EPA 300.0</b>	<b>SM4500</b>
Nitrate	Total Phosphorus
Nitrite	Ortho-phosphorus
<b>EPA 350.1</b>	<b>By Calculation</b>
Ammonia	Hardness
<b>SM3230</b>	
Alkalinity	

There are several purposes associated with the sampling program:

- The initial samples (post-development, and at the start of the pumping phase) will provide baseline information about contaminant concentrations at the pumping well, which will be screened in the range of 25 to 45 feet below grade.
- The purpose of collecting samples every 6 hours during the pumping phase will be to monitor potential changes in water quality. Changes in quality during the test may be a proxy for changes in quality that would need to be anticipated and incorporated into the water treatment design under a GWET remedial alternative.
- The groundwater withdrawn during the test will be staged in frac tanks; the analytical characterization of the staged water will support water treatment design.

Based on these considerations, three types of samples will be collected during test:

- A post-development sample will be collected from the new pumping well to provide a baseline understanding of water quality, and to set expectations for the remainder of the test.
- Up to 9 samples, collected every 6 hours, during the pumping phase (i.e., near the start of the test, after 6, 12, 18, 24, 30, 36, and 42 hours of pumping, and a final sample just before the pumping phase is discontinued).
- Up to 3 samples selected from the filled frac tanks (early, midpoint, end of test).

### **3e: Reporting**

Following completion of the testing phase, an aquifer test report will be prepared to document the pumping well construction, the analytical data collected, and data plots and figure interpreting the hydraulic characteristics of the aquifer.

### **Schedule**

The pumping well installation and development will be scheduled for February 2026. The testing phases will be scheduled for March 2026. Note that first frac tank will be mobilized and the rental period will begin with the start of pumping well PW-1 development.

The preliminary monitoring phase of the test may begin soon after development, but the step test is proposed to begin approximately one week after the end of development. The constant-rate portion of the test is proposed to begin on the day following the step test. The recovery portion of the test will occur immediately after the constant-rate pumping phase. The length of the recovery portion will be at least as long as the pumping phase.

For example, if the step-test were scheduled for a Monday; the constant-rate pumping phase would begin Tuesday morning; the pumping phase would end Thursday morning; the pump and piping disassembled Thursday afternoon; and the transducers would remain collecting data through late Friday, or the following Monday, depending on the length of the pumping phase.

The report will be completed approximately 6 weeks after the conclusion of the test.

### **Meetings**

One meeting will be scheduled with the drilling subcontractor before the installation of the test well, and one meeting will be scheduled with the drilling subcontractor before the aquifer testing phase. It is assumed that 2 HDR staff will participate in each of the two meetings.

### **Deliverables**

HDR will prepare an Aquifer Test Technical Memorandum documenting the results of the aquifer test, including pumping well installation, step test results, and constant-rate test results. The report will be provided in draft format to the City for review and comment, and a final report will be submitted approximately 2 weeks following the receipt of comments.

### **Assumptions**

- No permits (i.e., wetland permits or well permits) will be required to complete the proposed work. If any permit is required, the permit fee will be paid by the City.
- One HDR personnel will be onsite to oversee well drilling for an estimated 3 days. Well development will be performed by the driller and overseen by one HDR staff, and it is assumed the well can be properly developed in two days.
- A maximum of 353,000 gallons of groundwater will be withdrawn and temporarily stored onsite in eighteen (18) 20,000-gallon frac tanks. Water will be released from the tanks and allowed to infiltrate to groundwater as approved by EGLE.
- HDR has assumed analytical profiles (Tables 1 and 2) that are consistent with the groundwater characterization that has occurred at Harbor Island since 2022.
- .
- The analytical program assumes up to 13 water samples will be submitted to Trace Analytical for analysis of CCR constituents and treatment parameters. No quality control samples are required.
- Water samples will be analyzed for mercury using EPA Method 245.1 with a method detection limit (MDL) of 140 ng/L. The low-level mercury protocol cannot reasonably be simulated using a submersible pump discharging up to 100 GPM.
- The driller will maintain the generator to continue running throughout the duration of the test and will have a backup generator onsite in case of any generator failure that would force the test to restart. The driller will also provide appropriate pumps to cover the full range of expected pumping rates.

### **Task 37.4: Groundwater Modeling**

A three-dimensional (3D) groundwater flow model will be developed for the site to simulate potential remedies of CCR constituents and PFAS at Grand Haven Harbor Island. This model will use existing data that has been compiled, along with additional data that has been proposed to create a conceptual site model (CSM) that will serve as the framework for the flow model.

The major steps involved in developing the groundwater flow model include the following:

- Assemble the site geologic/hydrogeologic information including water level data, boring logs, and hydraulic properties (e.g., transmissivity, storativity) into a format to be compatible with GMS (Groundwater Modeling Systems) that will be used to create the 3D groundwater flow model in GMS.
- Calibrate the model to available water level data and surface water data (steady-state calibration), and to the drawdown observed at various monitoring wells (transient calibration).
- Run sensitivity analyses on the model. Because models necessarily use average conditions, the sensitivity analyses are necessary to show which input parameters are most sensitive to variability (where smaller value changes result in larger effects on the model calibration and outcome) and the amount of uncertainty that is inherent in the data used as the foundation to the input parameters chosen for the model. Sensitivity analyses are used to help bound the range of potential outcomes of predictive modeling.
- Prepare a presentation regarding the model for purpose of presenting results and considerations to the City.
- Prepare a model report that will document the model domain, layers, hydraulic characteristics, calibrations, and results.

### **Schedule**

Data review and construction of the numeric model can begin immediately after authorization. Aquifer testing in Task 37.3 will provide hydraulic characteristics and the aquifer test is planned to occur in March 2026. The model report is expected to be completed in May 2026.

### **Assumptions**

- HDR assumes that at this time, the groundwater flow model will be sufficient to inform the selection of remedial alternatives and support the design of GWET infrastructure, such as the placement and operation of extraction wells. The proposed groundwater flow model will not evaluate the fate and transport of CCR and PFAS constituents, but the flow model may potentially be adapted in the future to become a “fate and transport model”.
- The model is a numeric representation of a physical site about which significant inferences are made from existing data. For example, geologic materials have only been examined where soil borings have been drilled, requiring inferences to be made to describe the lateral and vertical dimensions of site’s geologic units. Similarly, aquifer testing is used to estimate average hydraulic properties in the immediate vicinity of the test, requiring the model to extrapolate these estimates, and/or rely on reasonable literature values in developing the numeric representation.
- The model will rely on information and data developed by HDR, but also by others, and it is assumed that these data are delivered on time or are accessible (such as government agency data). Examples of data on which the model will rely include:
  - The timely completion of the aquifer test (Task 3)

- Local authoritative sources of precipitation data (i.e., National Oceanic and Atmospheric Administration)
- Literature estimates of local evapotranspiration and groundwater recharge rates
- EGLE review and comment on the groundwater model is not included in this proposed Scope of Work. If it is determined that the model will likely be reviewed by EGLE as part of the Remedy Implementation Plan, that review and revisions process will be included in that later scope of work.

### **Deliverables**

A Groundwater Modeling report describing the 3D groundwater flow model will be prepared, as well as a presentation that will be delivered to the project team and City. The memorandum will include how the model was developed, the calibration statistics, sensitivity analyses and results from remedy alternatives simulation runs on the calibrated model.

The report will be provided in draft format to the City for review and comment, and a final report will be submitted approximately 2 weeks following the receipt of comments.

### **PERIOD OF SERVICE**

HDR anticipates that these services begin in February/March 2026 provided HDR receives the notice to proceed by February 20, 2026.

### **ENGINEER'S FEE**

The Engineering Fee presented below is based on the 2026 Rate Schedule previously provided by HDR to the City. HDR proposes to execute our scope of services for a fee of **\$232,377**

HDR's fee is based on general adherence to the schedule noted in this proposal. Significant delays which are not caused by HDR may impact the required fee. In the event of significant changes to the project schedule, HDR will work together with the City to assess the impact and adjust the fee as required. Task Order TO#27 has been allocated on approximately a 50/50 basis with Task Order TO#28 to distribute costs between the City of Grand Haven and the Grand Haven Board of Light and Power.



TASK ORDER 27						
Task #	Task Description	Hours	Labor	Subcontractors	Expenses	Total
37.1	Topographic and Bathymetric Surveys	11	\$2,246	\$21,727	\$333	\$24,305
37.2	Wetland Evaluations	126	\$24,830	\$0.00	\$920	\$25,750
37.3	Aquifer Testing	225	\$43,042	\$93,686	\$2,246	\$138,974
37.4	Groundwater Modeling	244	\$43,348	\$0.00	\$0.00	\$43,348
	<b>Subtotal</b>	606	\$113,466	\$115,413	\$3,499	\$232,377

Both Task Orders are scheduled to be executed concurrently, and approval of each is a prerequisite for the execution of the other.

## Approval

We appreciate the opportunity to continue this work with the City. If you have questions, please feel free to contact me at 734-332-6405 or [Lara.Zawaideh@hdrinc.com](mailto:Lara.Zawaideh@hdrinc.com).

### ENGINEER

(Approval required by all listed below)

02/06/2026

#### Project Manager

Lara Zawaideh, PE ENV SP  
 Associate Vice President | Area  
 Business Development Leader

Date

### CLIENT

(Approval required by authorized signatory)

#### Authorized Signatory:

Robert Monetza  
 Mayor

Date

02/06/2026

#### Authorized Signatory:

Khaled S. Soubra, PhD, PD, LEED AP  
 Vice President | Michigan Area  
 Manager

Date

#### Authorized Signatory:

Maria Boersma  
 City Clerk

Date



January 15, 2026

**Subject: Power Purchase Commitment Authorization**

The Grand Haven Board of Light & Power (“Grand Haven”), through its Member Authorized Representative, hereby authorizes the purchase of Energy by Michigan Public Power Agency (“MPPA”) on behalf of Grand Haven at the following Quantity, Term, Delivery Location and not to exceed price levels. These transactions, if executed by MPPA, are Power Purchase Commitments under the Energy Services Agreement between MPPA and Grand Haven.

Energy:

Delivery Period	ONPK (5x16)	OFFPK (5x8, 2x24)	ONPK (5x16)	OFFPK (5x8, 2x24)	ATC (7x24)	ATC (7x24)	
Term	2028	2028	2029	2029	2030	2031	Total
Max Monthly Quantity (MW)	12.3	9.2	12.4	11.2	8.2	3.6	
Total Quantity (MWh)	39,768.0	34,626.2	41,296.0	39,274.6	45,043.2	8,992.8	<b>209,000.8</b>
Total \$ (not to exceed)	\$3,270,000.00	\$1,998,717.40	\$3,518,388.80	\$2,351,402.00	\$3,331,464.00	\$716,102.40	<b>\$15,186,074.60</b>
Average Price, \$/MWh	\$82.23	\$57.72	\$85.20	\$59.87	\$73.96	\$79.63	<b>\$72.66</b>
% of Load	27.5%	27.8%	28.6%	31.5%	16.6%	3.3%	
Forecasted Hedge % After Transaction	80.2%	80.2%	70.1%	70.3%	55.1%	41.7%	

The transaction(s) above will be for Financially-Firm Energy with Physical delivery to the MISO Michigan Hub in the Day Ahead Market at or below the annual total dollar not to exceed limits.

The purchase transactions outlined above account for the identified percentages of Grand Haven’s forecasted energy requirements in the applicable forward calendar years. The sum of all purchases represents a maximum commitment of \$15,186,074.60.

MPPA will endeavor to wait to execute wholesale power transaction confirmations until it receives PPC Authorization from each Member Authorized Representative (“MAR”) unless a delay in execution by an individual MAR would result in power supply price risk that could prevent MPPA from complying with volume and dollar price approval limits.

Member Authorized Representative:

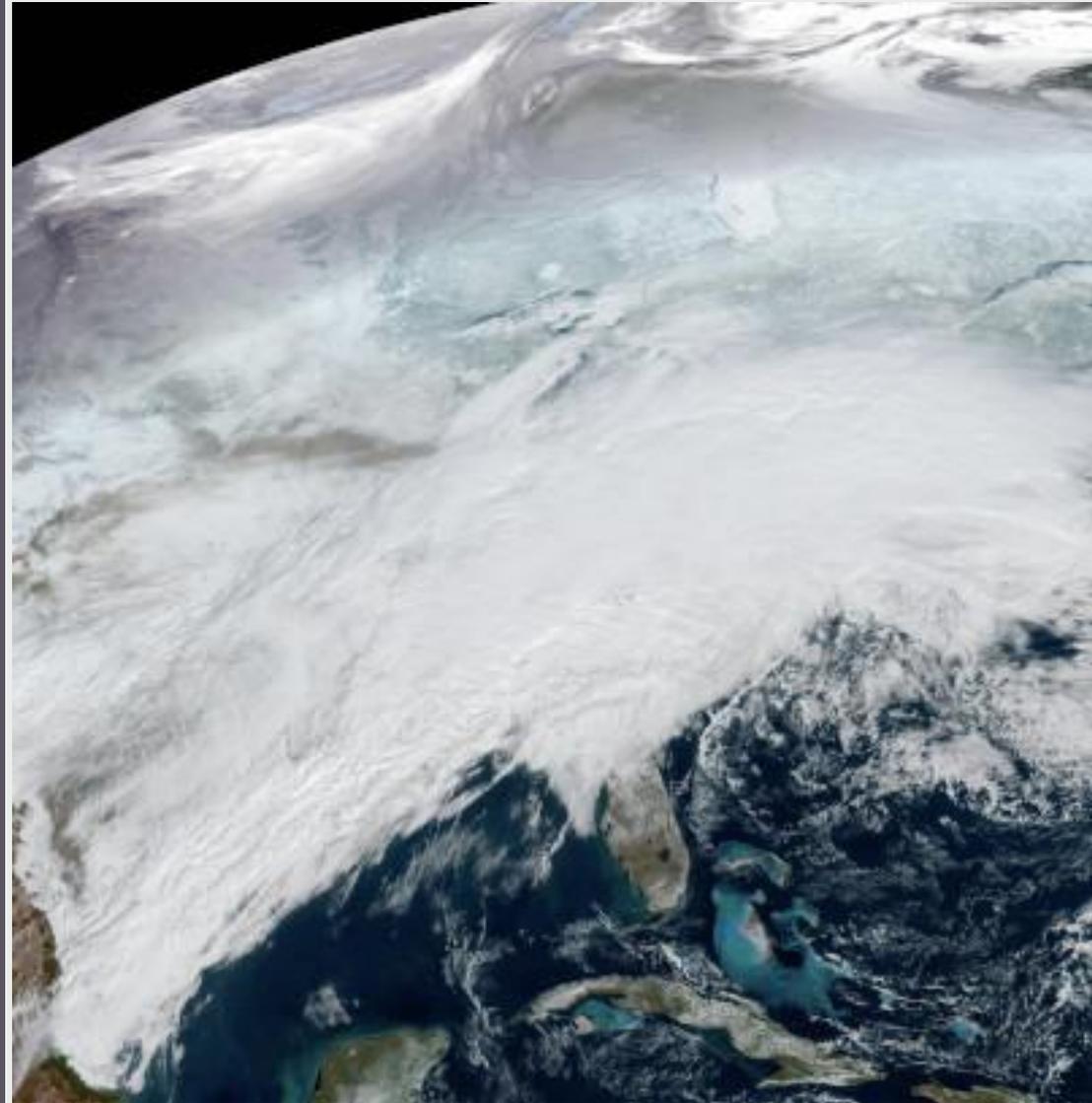
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Signature

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Date

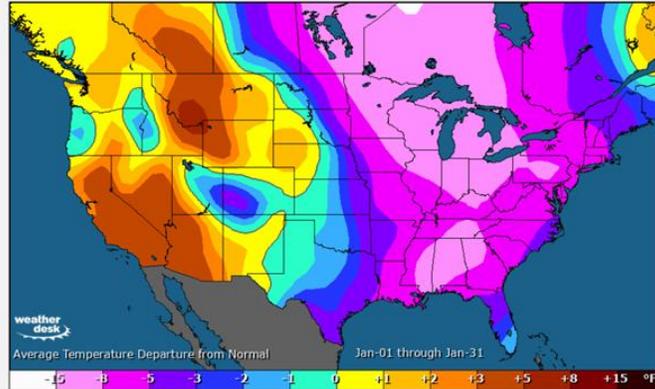
# POWER SUPPLY: WINTER STORM FERN TAKEAWAYS

January 23-February 1, 2026



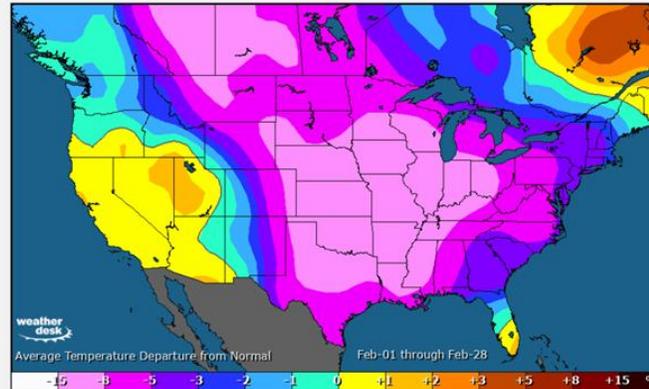
Presented to Board of Directors on February 23, 2026

**Polar Vortex Jan. 2014 Weather**  
**(1050 GWHDDs vs 10-year average of 900)**



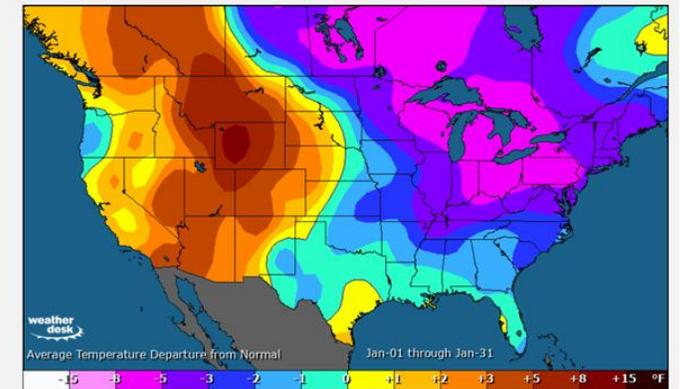
**+16% colder**

**Uri Feb. 2021 Weather**  
**(875 GWHDDs vs 10-year average of 728)**



**+20% colder**

**Fern Jan. 2026 Weather**  
**(975 GWHDDs vs 10-year average of 900)**

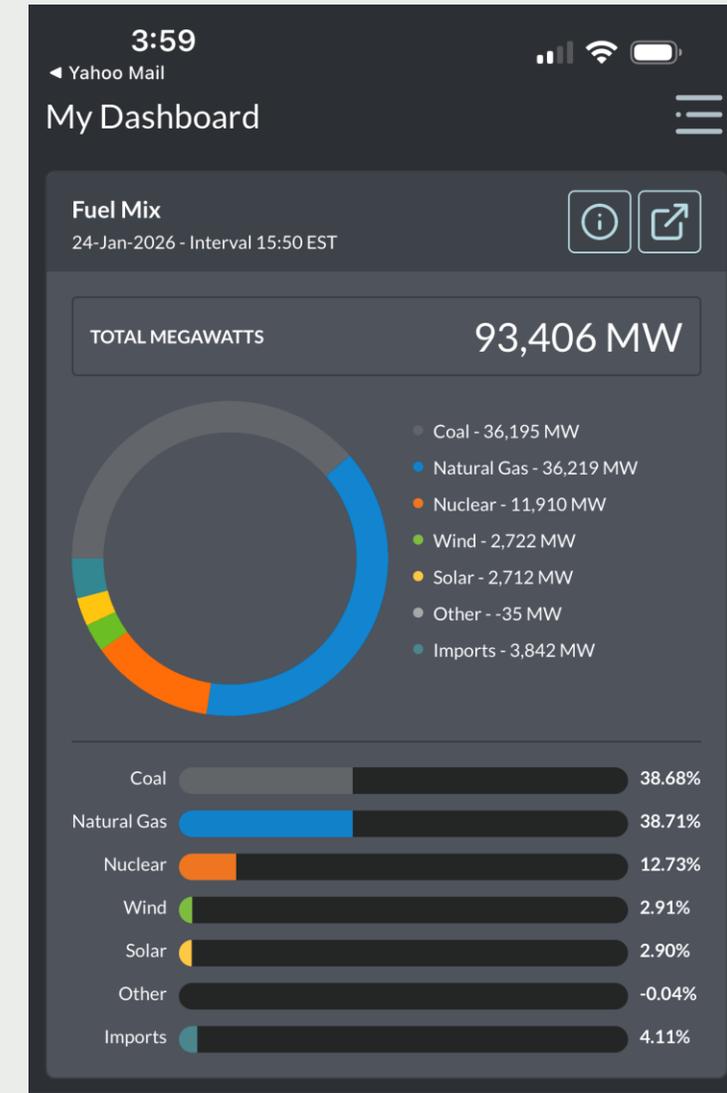
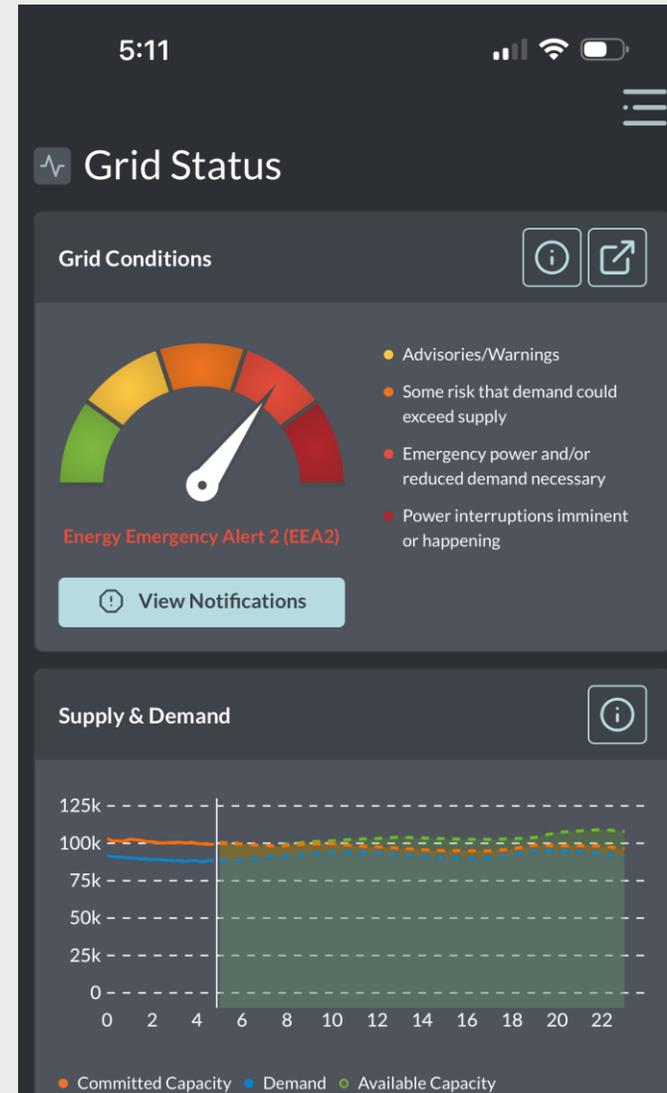


**+8% colder**

**COLD DURING WINTER STORM FERN, NOT AS WIDESPREAD AS OTHER RECENT STORMS**

# Midcontinent Independent System Operator (MISO)

- MISO provided an *Overview of Winter Storm Fern* on February 17, 2026 (available online).
- A Conservative Operations Alert (System Wide) was in effect from Jan 23, 00:00 EST – Jan 29, 23:59 EST.
- To maintain reliability, two Maximum Generation Events were declared on January 24 allowing MISO access to generation unit emergency ranges, load modifying resource curtailments, and emergency power purchases.
- Energy was imported from neighboring systems.
- Dashboard screenshots from 1/24/2026 show strong reliance on baseload generating assets.



# MPPA Portal: January 24, 2026

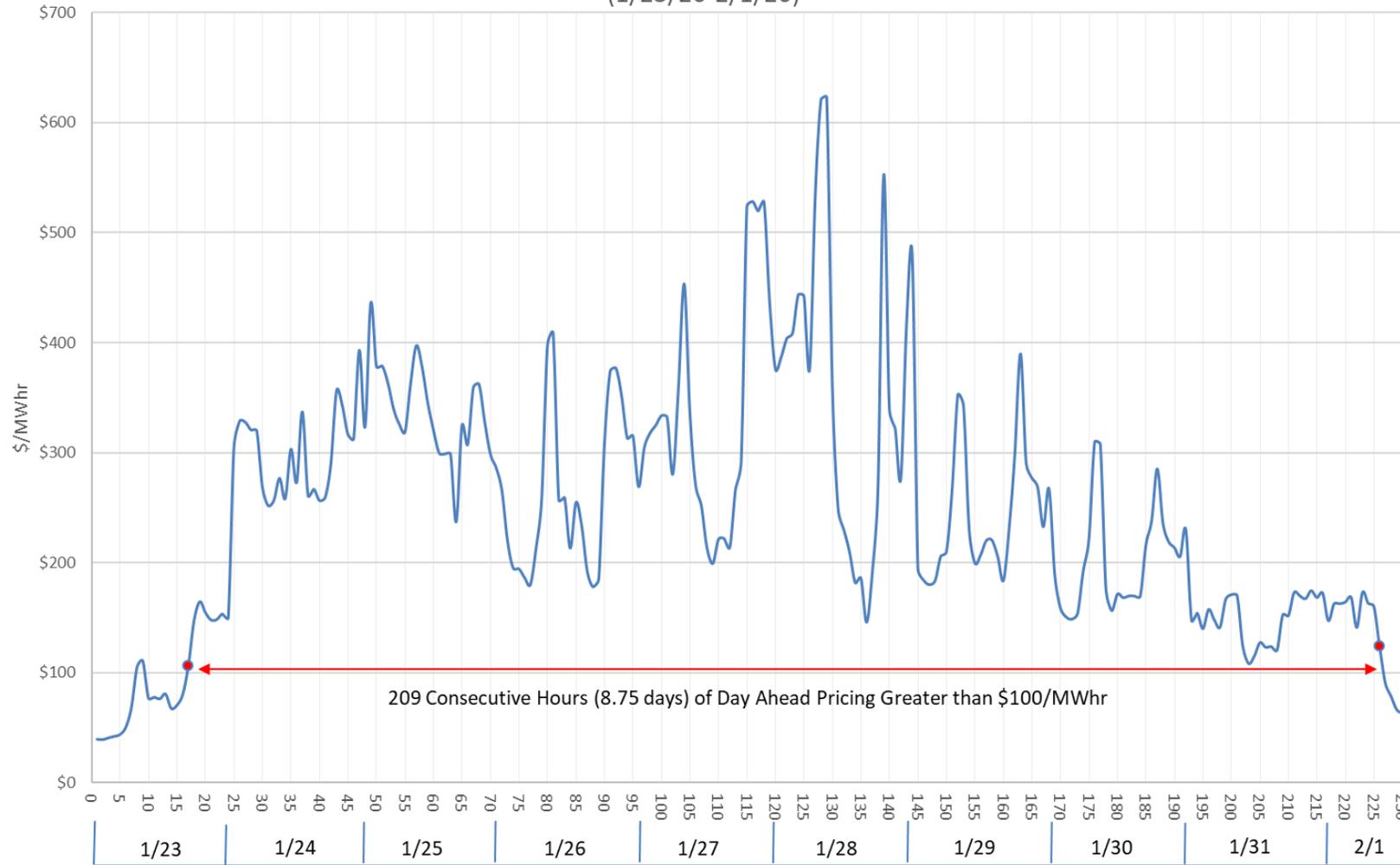
Hour Ending	Forecasted Load	Bilateral	LandFill Gas	Solar Ent	Wind Ent	Forecasted LMP MW	Day Ahead LMP MW	Day Ahead LMP Price
1	29.4	17.2	1.9	0.0	1.9	10.3	8.4	\$305.18
2	29.1	17.2	1.9	0.0	2.0	10.0	8.0	\$328.85
3	28.7	17.2	1.9	0.0	2.0	9.6	7.6	\$327.79
4	28.5	17.2	1.9	0.0	1.9	9.4	7.5	\$320.72
5	28.9	17.2	1.9	0.0	1.4	9.8	8.4	\$319.94
6	29.7	17.2	1.9	0.0	1.3	10.6	9.3	\$268.58
7	30.9	17.2	1.9	0.0	0.9	11.8	10.9	\$252.11
8	32.2	17.2	1.9	0.0	0.7	13.1	12.4	\$256.75
9	33.3	17.2	1.9	0.6	0.5	14.2	13.1	\$276.89
10	34.1	17.2	1.9	2.8	0.3	15.0	11.9	\$258.50
11	34.7	17.2	1.9	6.7	0.2	15.6	8.7	\$303.25
12	34.8	17.2	1.9	8.6	0.2	15.7	6.8	\$273.18
13	34.7	17.2	1.9	7.5	0.2	15.6	7.8	\$337.18
14	34.1	17.2	1.9	9.4	0.3	15.0	5.3	\$261.17
15	33.6	17.2	1.9	6.9	0.3	14.5	7.4	\$267.06
16	33.4	17.2	1.9	5.5	0.2	14.3	8.6	\$256.71
17	33.6	17.2	1.9	3.6	0.2	14.5	10.8	\$259.44
18	34.4	17.2	1.9	0.5	0.3	15.3	14.4	\$289.70
19	34.6	17.2	1.9	0.0	0.3	15.5	15.2	\$356.40
20	33.8	17.2	1.9	0.0	0.3	14.7	14.4	\$343.17
21	32.3	17.2	1.9	0.0	0.4	13.2	12.8	\$316.63
22	30.5	17.2	1.9	0.0	0.7	11.4	10.7	\$312.70
23	28.6	17.2	1.9	0.0	0.7	9.5	8.8	\$393.24
24	26.9	17.2	1.9	0.0	0.6	7.8	7.2	\$323.51

- BLP System Operators monitor portal on a 24/7 basis.
- Units in portal are in Megawatts (MW).
- Forecasted Load – Bilateral – Landfill Gas = **Forecasted LMP**
- **Forecasted LMP – Solar – Wind = Day Ahead LMP**
- Low wind and solar forecast on 1/24/2026 required purchases from Day Ahead (DA) markets.
- Solar maximum hourly generation was **14.4 MW** in 2025.
- Wind maximum hourly generation was **8.3 MW** in 2025.

# High Day Ahead Energy Prices

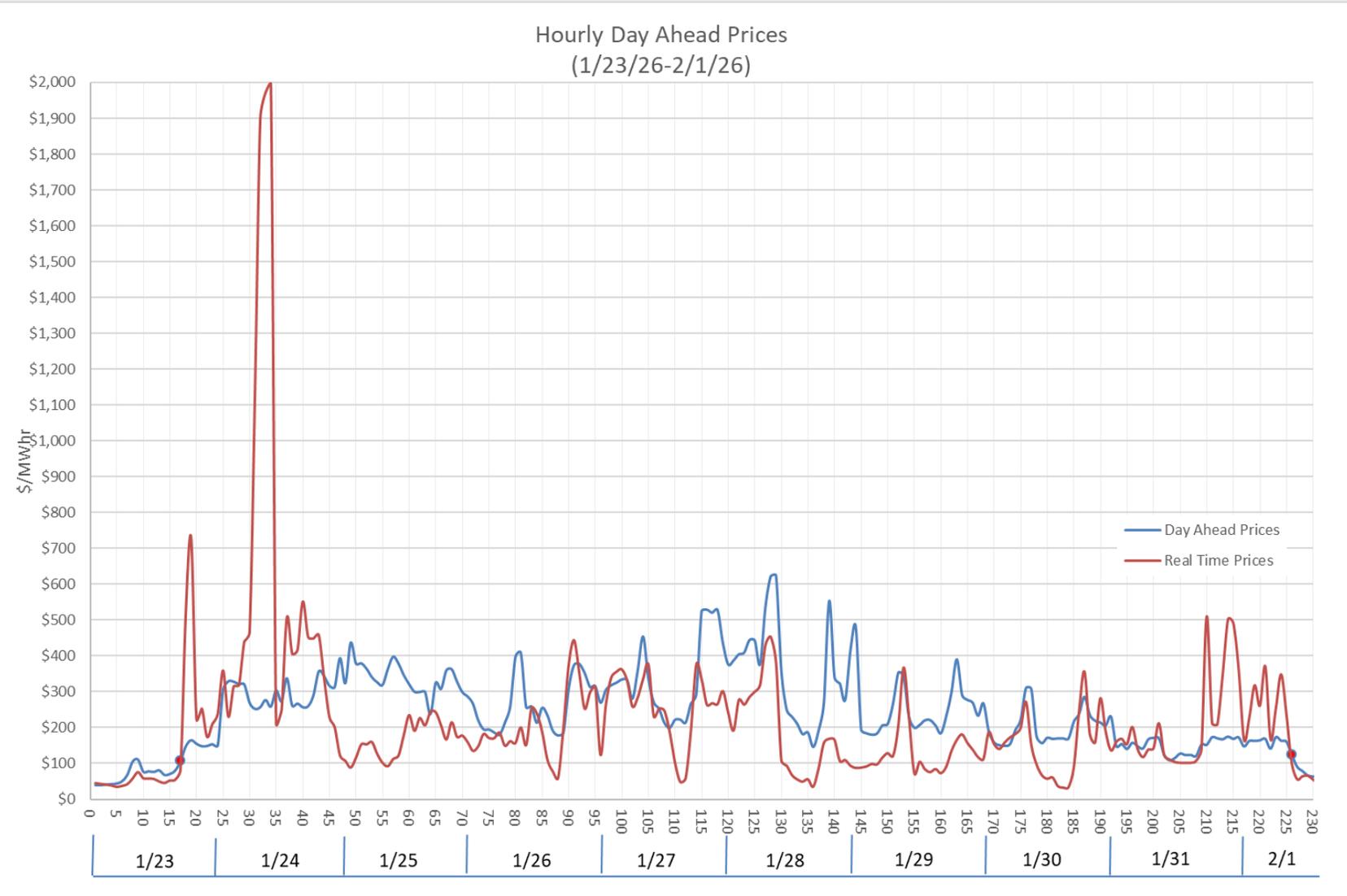
- This is the longest consecutive time frame where Day Ahead prices stayed above \$100/MWh.
- Graph shows the importance of following a proper hedge plan.
- Grand Haven's targeted hedge plan is 75%-95% during the current year.
- If load exceeds forecast, then additional power must be purchased in the **Real Time** Market.
- If any generation is less than forecast then additional power must be purchased in the **Real Time** Market.

Hourly Day Ahead Prices  
(1/23/26-2/1/26)



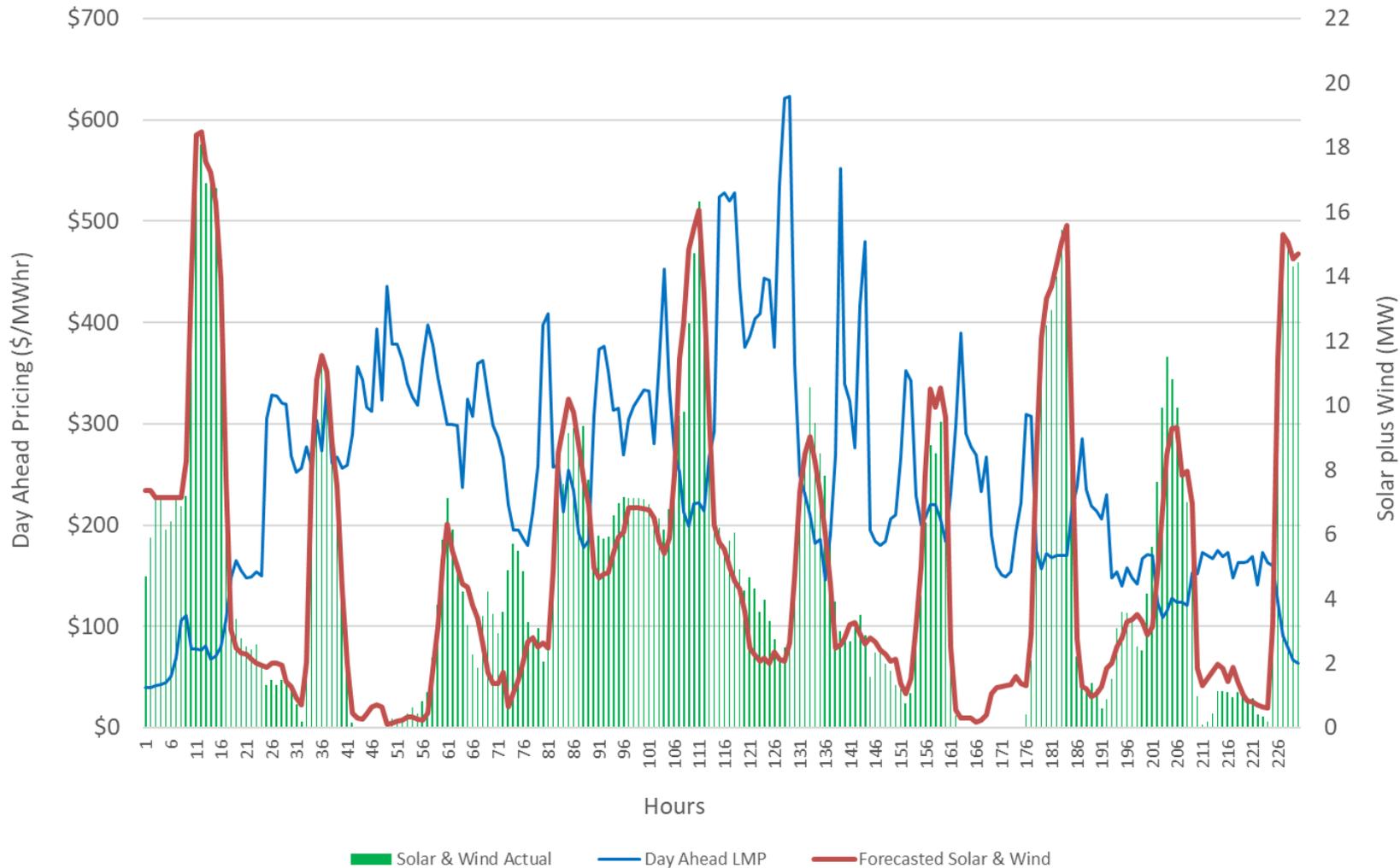
## Highly Volatile Real Time Pricing

- Price spikes in real time markets are signals of supply-demand imbalance and system strain.
- Emergency prices were not published by MISO on January 24 due to technical issues.
- Therefore, emergency conditions and imports were not properly incentivized.



# Renewable Energy

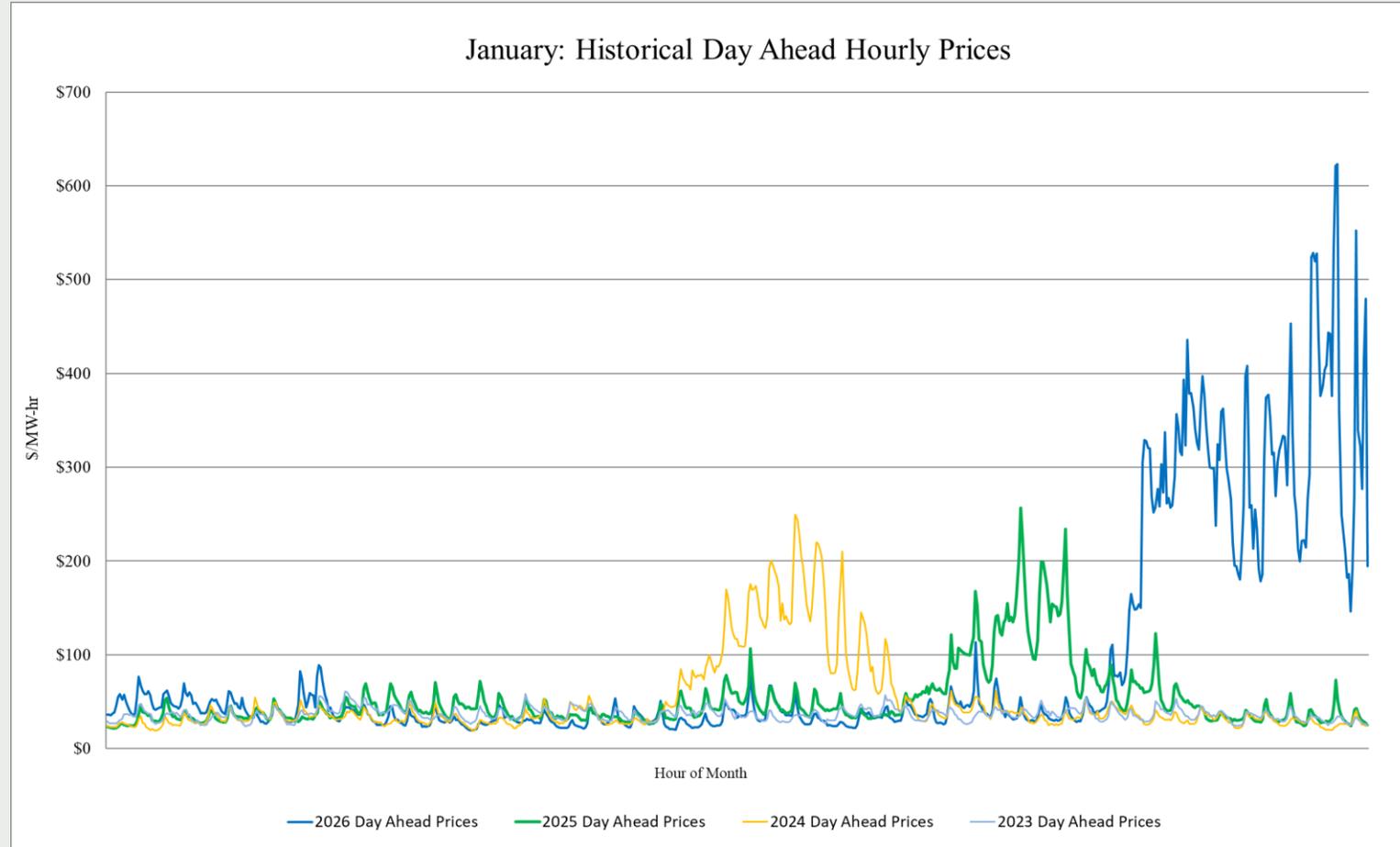
Renewable Generation during Winter Storm Fern  
(1/23/2026-2/1/2026)



- Wind maximum hourly generation was **8.3 MW** in 2025.
- Solar maximum hourly generation was **14.4 MW** in 2025.
- As wind and solar continue to grow in our portfolio, periods of lower generation are expanding from daily variations to seasonal timescales.
- Periods of low renewable output increase reliance on short-term energy markets, sometimes during high priced periods.
- Dispatchable flexible resources will grow in importance during these seasonal constraints.

# January

- January is becoming one of the most expensive months of the year for energy.
  - ✓ 2023 – Highest month (\$1.5 million)
  - ✓ 2024 – 3<sup>rd</sup> highest month (\$1.4 million)
  - ✓ 2025 – 4<sup>th</sup> highest month (\$1.4 million)
  - ✓ 2026 – To Be Determined (\$1.9 million)
- Patterns are emerging with higher day ahead energy prices for longer durations in January.
- Renewable generation is lower in January.
- Average weekly costs for energy prior to storm was ~\$316,000.
- Weekly costs for energy during storm was ~\$763,000.



# POWER

ENERGY SECURITY

## NERC Warns Long-Term Grid Reliability Risks Mounting from Surging Demand, Lagging Resources



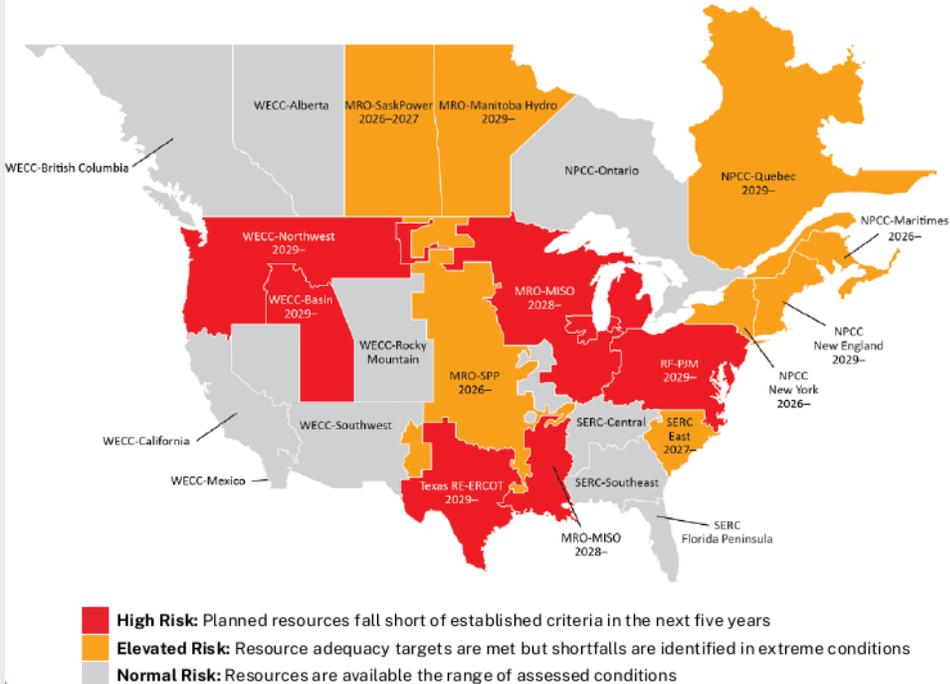
Sonal Patel

Thursday, January 29, 2026

SHARE: [in](#) [✉](#) [✕](#) [f](#) [+](#)

### Risk Area Summary 2026-2030

(Shows highest risk classification occurring in the first 5 years and the initial year of occurrence)



## A Balanced Approach for Effective Utility Management

The BLP is committed to delivering exceptional service to our community through a balanced approach to electric utility management and strategic planning. This approach prioritizes the three pillars of the BLP's mission - like a three-legged stool with the legs representing **Reliability, Affordability, and Sustainability**.



**THERE IS NO SILVER BULLET TO THE ENERGY TRANSITION.  
IT WILL TAKE AN "ALL OF THE ABOVE" BALANCED APPROACH.**

- Resource adequacy is an increasing concern and will become even more critical over time.
- Maintaining a degree of local control can help preserve affordability in the future.
- Energy price volatility may persist as traditional baseload generating assets are retired.
- While intermittent & emerging generation technologies (such as storage) are important, there will continue to be a need for dispatchable, on-demand resources that can operate reliably through seasonal constraints.
- Proactive planning & prudent decision-making today are essential to ensuring our community-owned utility remains strong and sustainable for future generations.

# Behind the Meter Resource Adequacy Assessment Strategic Objective

## 2026 – 2027 Workplan

February 11, 2026

# Background

- In 2025, **MPPA initiated a multi-year, multi-phase resource adequacy objective:**
  - Phase I - Assessment of individual Members' **interest and capability to install behind-the-meter generation (BTMG)** – natural gas and/or Battery Energy Storage Systems ("BESS") – within their service territories, connected to their distribution system
- This objective is **essential** to:
  - Help address the forecasted **capacity deficit** starting in Planning Year/Delivery Year ("PY" or "DY") 2030/2031
  - Meet **PA 341's Capacity Compliance Demonstration** Requirements, for PY 30/31, in March 2027
- MPPA's Position:
  - **Investments in and/or contracts for new thermal and BESS power supply capacity** resources will be **required** to help meet our future resource adequacy needs and compliance requirements
  - **Locating power supply capacity** resources in our **Member communities** is a logical strategy that leverages our assets & control

# Resource Adequacy Strategic Objective Workplan Overview

- **Phase I (2025): Member Interest & Capability in Projects**
  - Identified **numerous sites** across Member communities with a potential capability to install **over 200 MWs**.
- **Phase 2 (2026): BTMG Projects & Power Supply Portfolio Analysis; BTMG Project Ownership Structure; Member Engagement, Feedback & Direction**
- **Phase 3 (2027): BTMG Projects Approval and Development Implementation**
- **Phase 4 (2028-2030): BTMG Project Development and Commercialization**

# Q1 to Mid-Year 2026: Activities & Outcomes

BTMG Ownership Analysis & MPPA Project Creation Strategies

Vendor & technology  
assessment (RFI)  
Owner's engineer /  
consultant selection



Economic modeling  
(Dispatch &  
Investment Models)



Power supply  
resource fit &  
portfolio analysis



DECISION POINT #1:  
MPPA  
recommendation for  
how to proceed  
Member "decision"  
& direction

Member & Governing Body Engagement and Feedback

# Member & Governing Body Engagement

Comprehensive and Detailed Plan

“All of the Above Playbook” engagement strategy

- MPPA BOC
- Long Term Power Supply Planning Project
- Individual Member
- Member Governing Body

Critical that Members engage ... and *prioritize* engagement

# Mid-Year 2026 to Q4: Activities & Outcomes

Environmental phase II studies  
Distribution system impact studies  
Fuel supply due diligence



DECISION POINT #2:  
MPPA recommendation for how to proceed  
Member “decision” & direction



Vendor(s) best and final pricing  
Refresh economic modeling & power supply resource fit & portfolio analysis  
Pre-Financing Activities  
Pre-Permitting Activities  
Pre-MPPA Project Creation Activities

# 2027 Activities\*

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MPPA recommendations

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DECISION POINT #3: MPPA BOC and Member governing body approvals of BTMG projects

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Create internal MPPA Project(s) / Members join Project(s)

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Vendor contract negotiation & execution

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Financing

---

Major equipment and material orders

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Environmental permitting

---

Fuel supply contracts and procurement strategy

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RTO BTMG registration strategy

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\*Not all are sequenced in order of operations

# 2025 Carbon Report



MPPA has established a standardized methodology for calculating both historical and forward-looking carbon emissions from its Members' power supply portfolios. This initiative is increasingly important as the energy sector transitions to a more diverse mix of generation assets and carbon footprints become more prominent in legislative, policy, and end use customer considerations and actions.

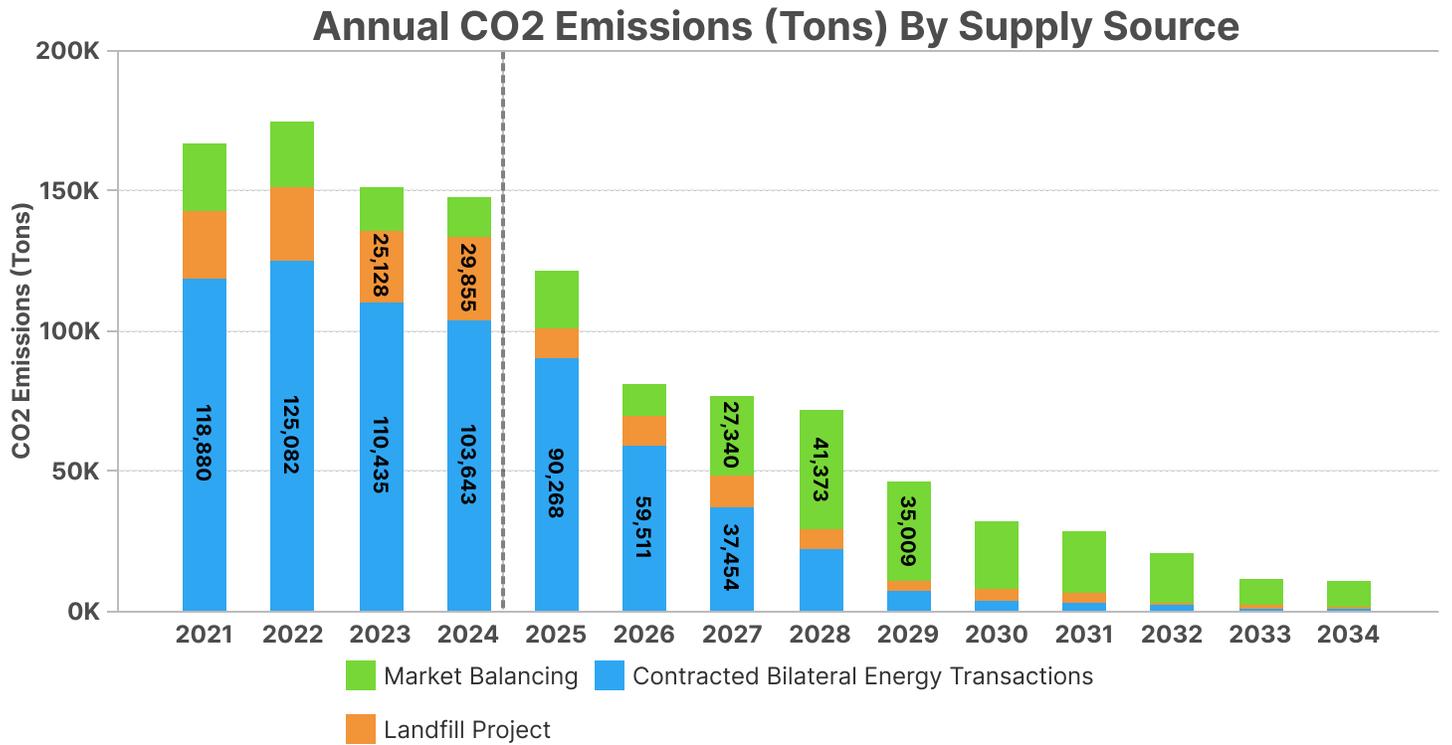
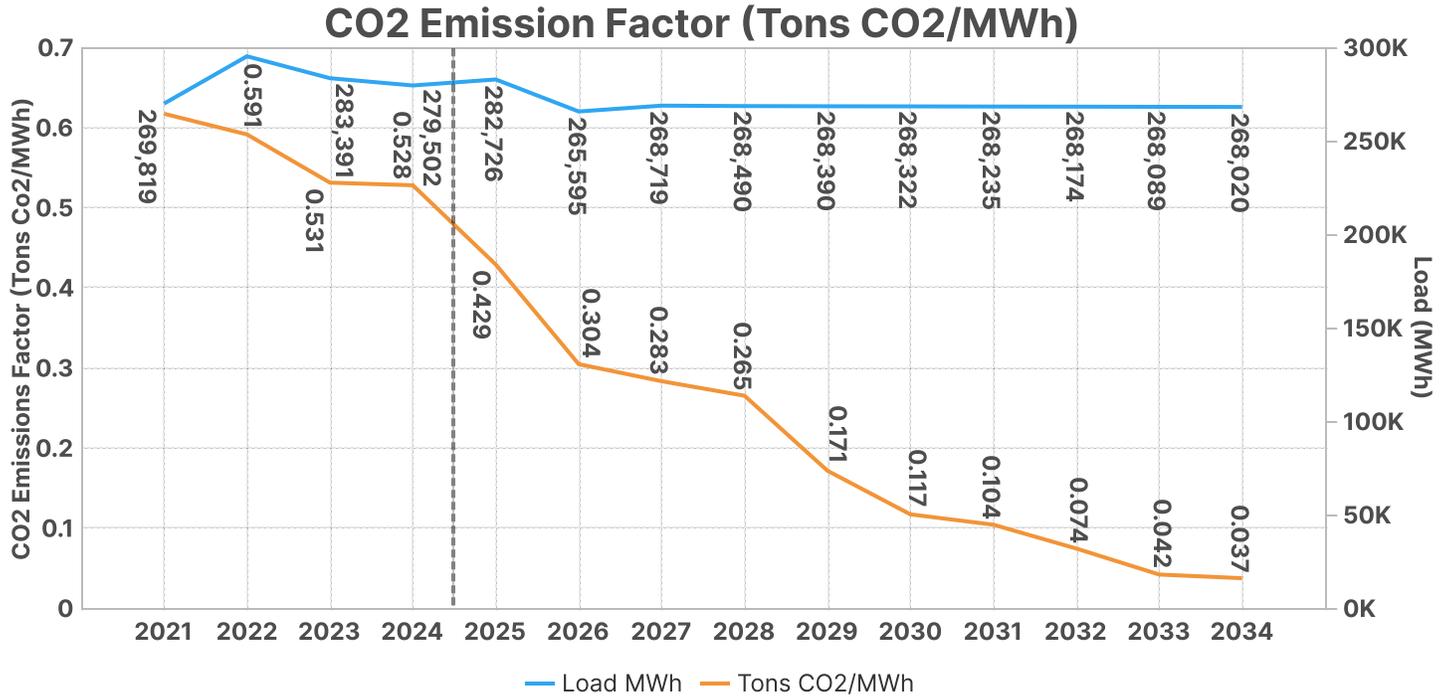
The methodology relies on MISO's (the regional transmission organization) regional reliability forecasts and latest emissions data, MPPA asset project generation data and internal modeling forecasts, historical and forecasted Member load, and Environmental Protection Agency (EPA) data to produce accurate Member-level carbon intensity reports – which are all compiled annually for analysis. MISO's historical emissions datasets that provide actual CO<sub>2</sub> emission rates by fuel type are constrained by EPA data, which is released with a 2-year lag. 2024 data was released in February 2026, with future releases expected in the first quarter of subsequent years.

To calculate emissions, the methodology assigns emission rates to project assets and Member owned resources based on respective fuel type—such as coal, natural gas, nuclear, wind, and solar—and uses these rates to calculate total carbon output. Since actual resource type is unknown for bilateral energy hedge transactions and market balancing energy, emission rates are given the emission rates at the MISO Zone 7 market fuel sources percentages. The results present historical monthly data and forward-looking yearly projections as visual summaries of total emissions and carbon intensity. Currently, CO<sub>2</sub> equivalents (CO<sub>2</sub>e) are unavailable for MISO projection/forecast data but can potentially be considered in future iterations of this report. Similarly, the process and results will be continuously improved through annual updates, such as further integration with internal systems, with future enhancements planned as MISO's reporting capabilities expand.

Each forward-looking chart and graph demonstrates the general trends of increasing load and reduced carbon emission. The drivers of these are a combination of MPPA's contracting efforts, renewable generation penetration, and coal resource retirements within MISO. However, an everchanging energy market and political climate have increased uncertainty and may increase the variance between forecasts and observed data. For example, MISO's projections may shift in future data updates as renewable penetration is slower than previously expected. MPPA's approach mitigates this turbulence and ensures that carbon reporting is consistent and aligns with evolving standards set by MISO.

# GRAN

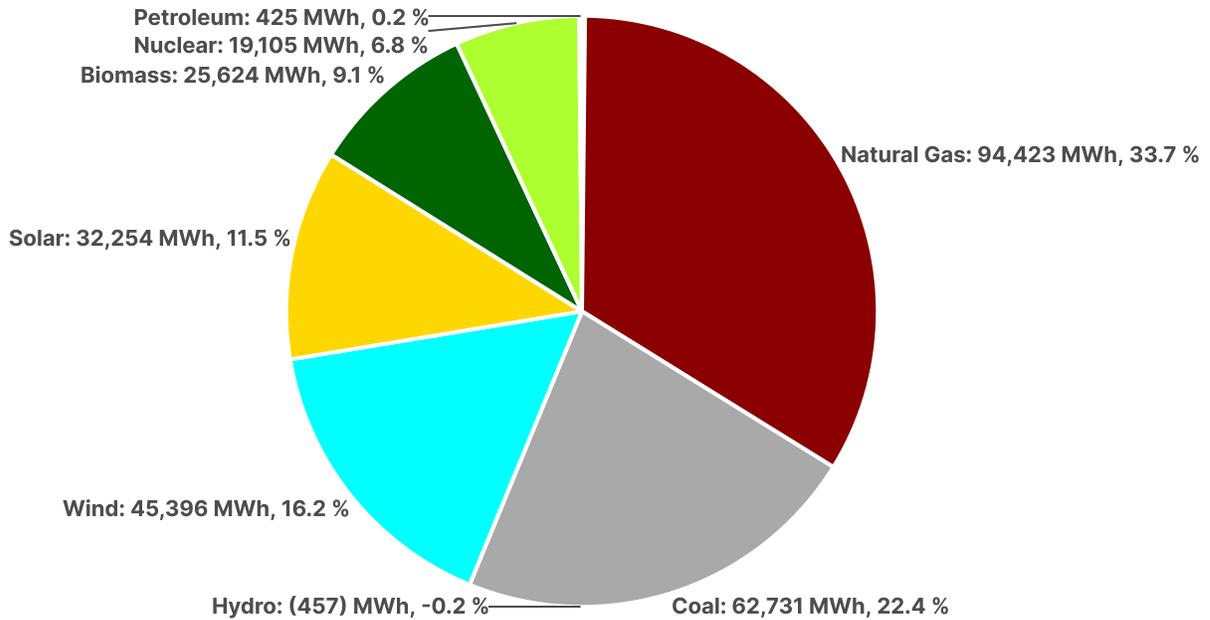
A dashed line indicates the cutoff where emissions data becomes forecasted instead of reported



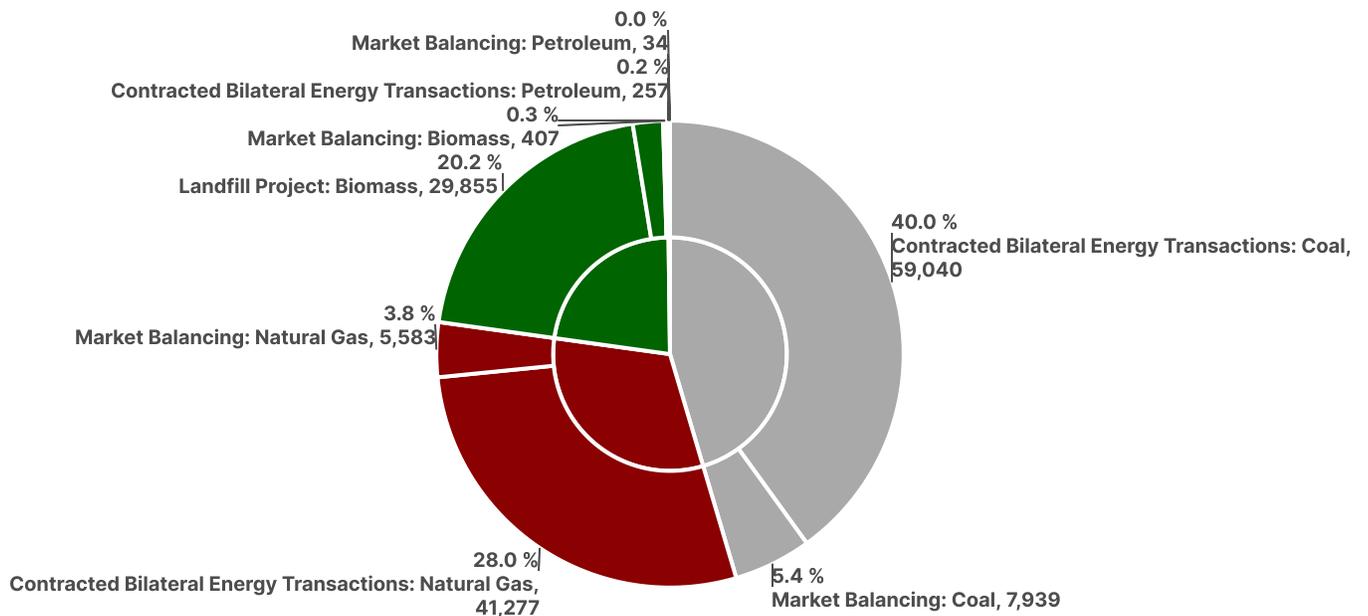
# GRAN

Since actual resource type is unknown, emission rates for bilateral energy hedge transactions and market balancing energy are assigned the emission rates at the MISO Zone 7 market fuel sources percentages.

## Member Portfolio Fuel Source (%) including Market Fuel 2024

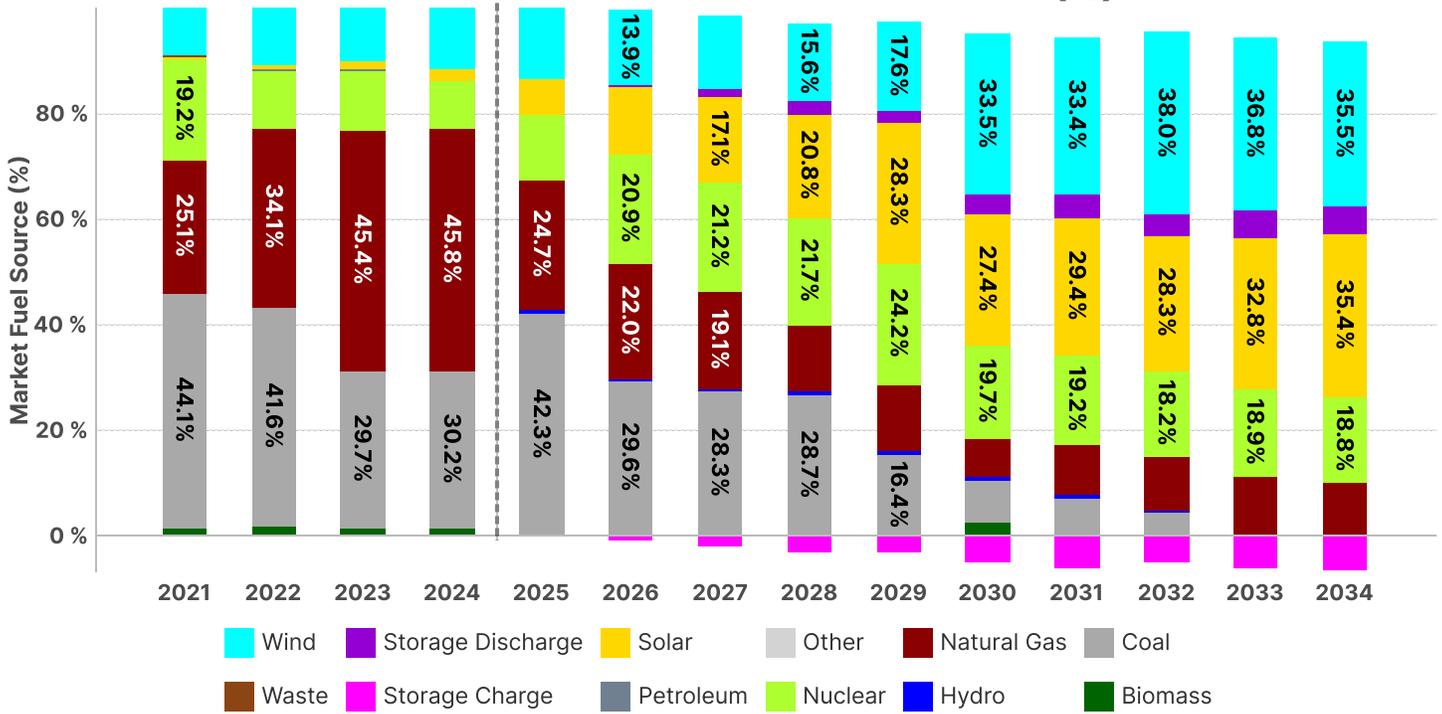


## CO2 Emissions (Tons) by % of Total including Market Fuel 2024

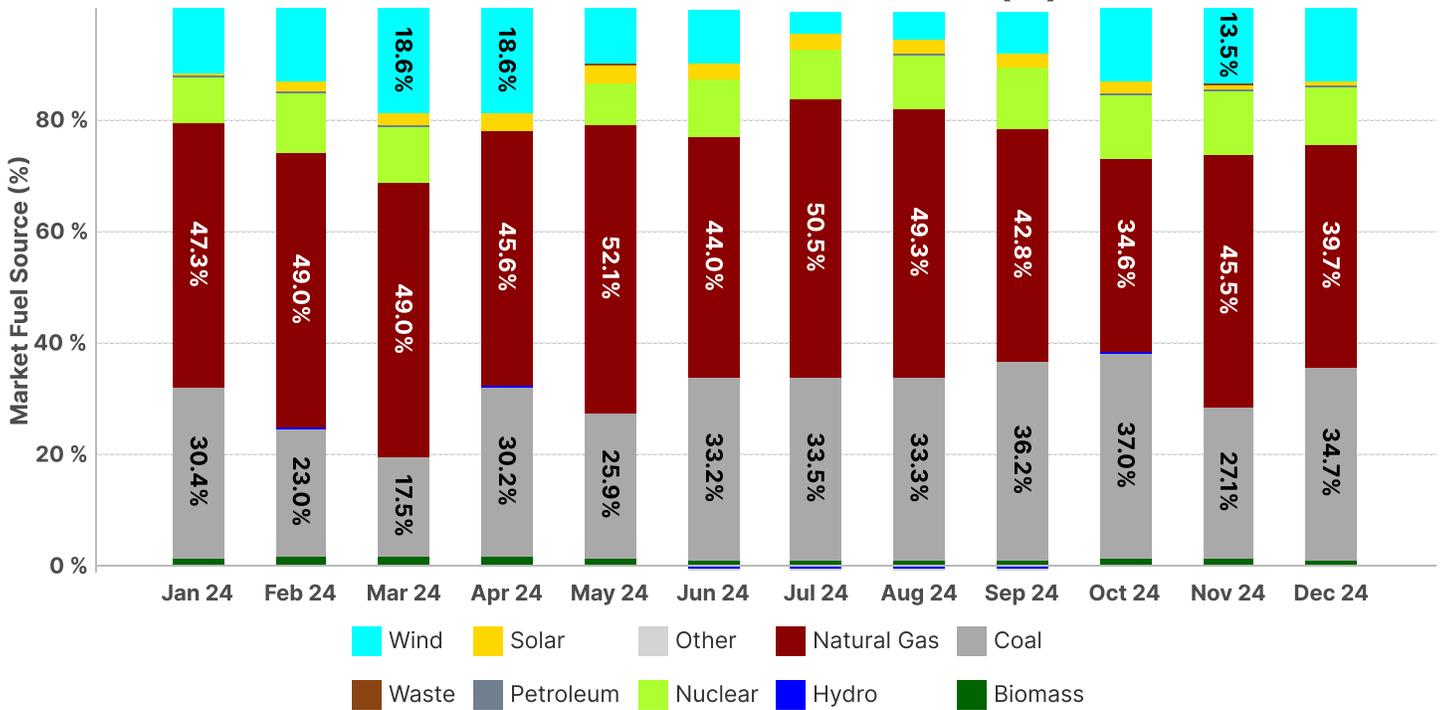


# GRAN

## MISO Zone 7 Market Fuel Source (%)

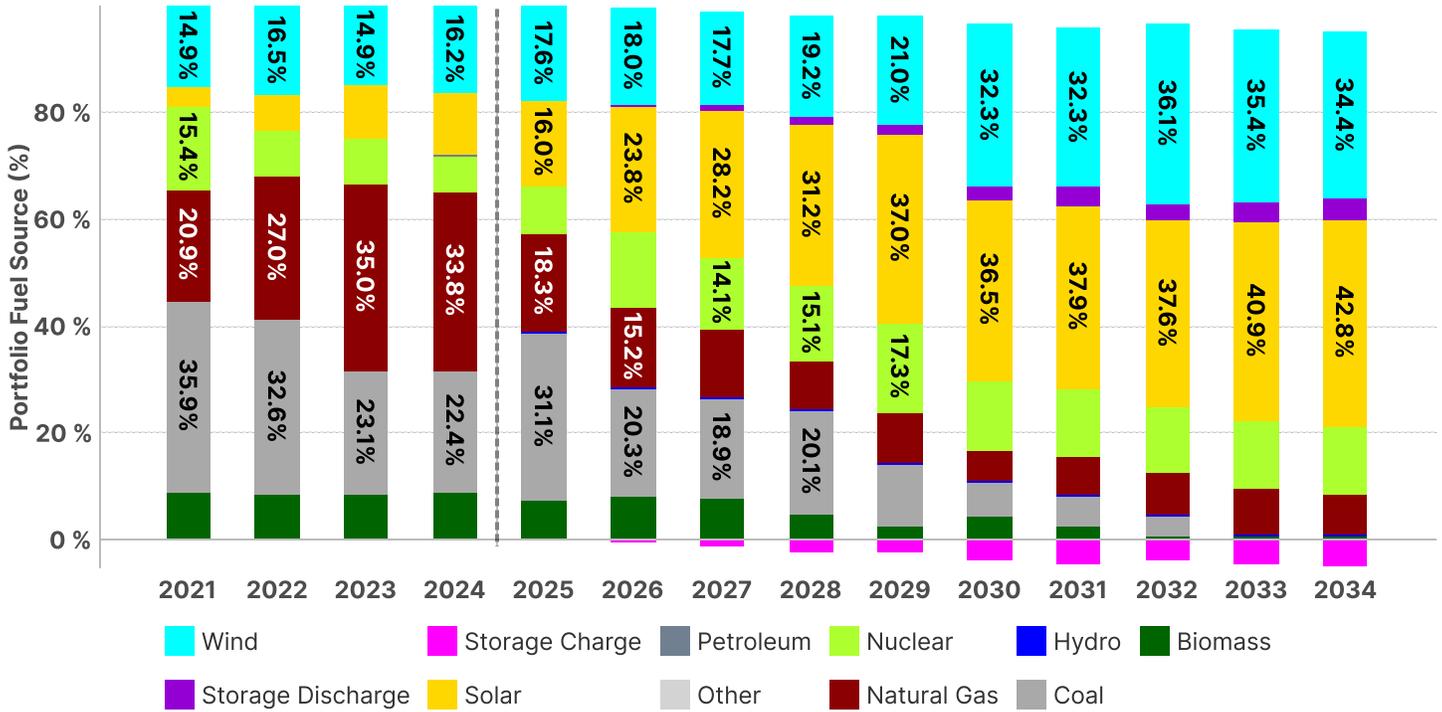


## MISO Zone 7 Market Fuel Source (%) 2024

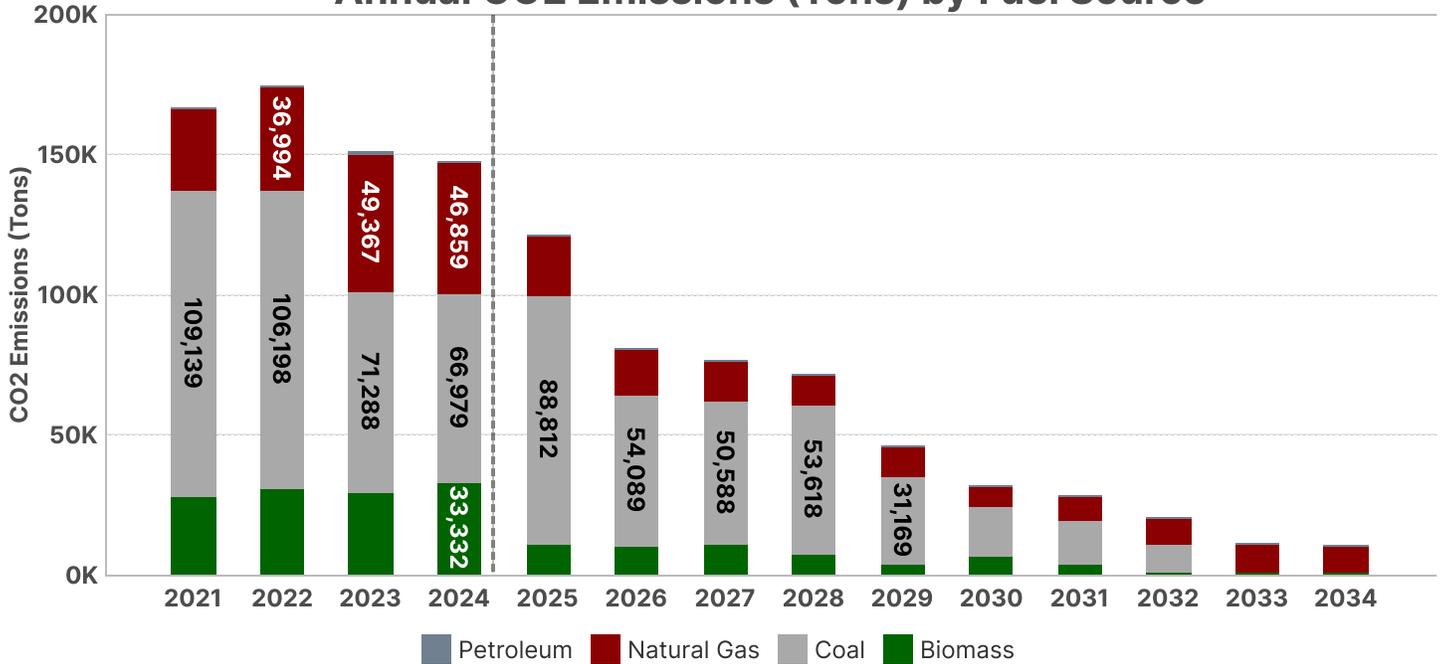


# GRAN

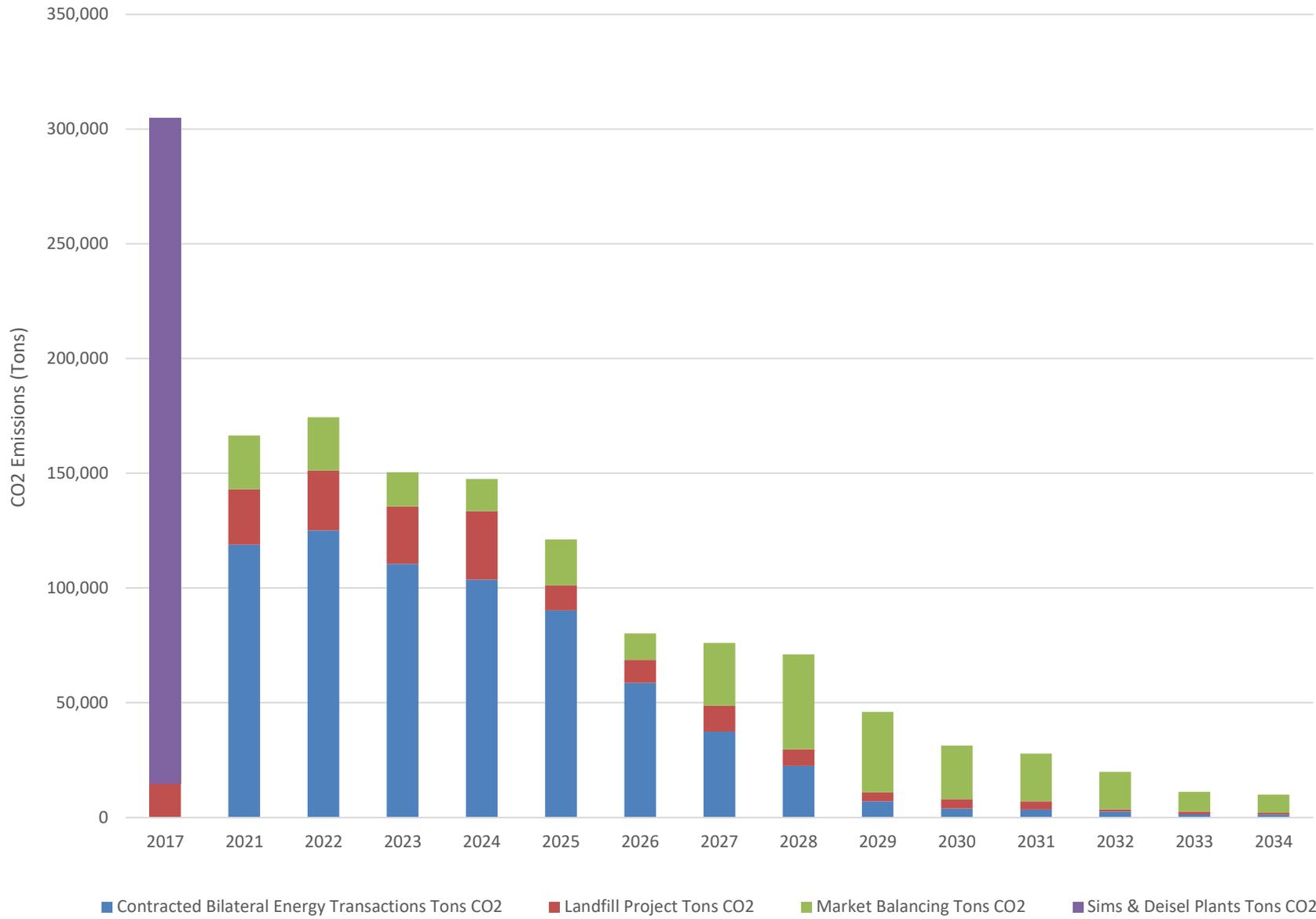
## Member Portfolio Fuel Source (%)



## Annual CO2 Emissions (Tons) by Fuel Source



### Chart Annual CO2 Emissions (Tons) By Supply Source



# STRATEGIC PLANNING BUSINESS LUNCH

Grand Haven Board of Light & Power cordially invites you to attend a key accounts meeting to discuss the upcoming Strategic Plan.

**WEDNESDAY, MARCH 18<sup>TH</sup>, 2026  
11:30 AM-1:00 PM**

**NOTO'S AT THE BIL MAR  
1223 S Harbor Drive, Grand Haven**

**Lunch will be provided.**

Please RSVP by March 1<sup>st</sup>, 2026 to [kmorrow@ghblp.org](mailto:kmorrow@ghblp.org)  
or call 616-607-1319.

*\*Please indicate dietary restrictions.*



**Grand Haven Board of Light & Power**

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