GRAND HAVEN BOARD OF LIGHT AND POWER MEETING AGENDA
Thursday, August 21, 2025
Meeting to be held at 421 Columbus Avenue
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. July 17, 2025 Special Meeting Minutes *
      2. July 17, 2025 Regular Meeting Minutes *
   B. Receive and File: July Financial Statements, Power Supply & Retail Sales Dashboards *
   C. Receive and File: July Key Performance Indicators (KPI) Dashboard *
   D. Receive and File: MPPA ESP Resource Position Report (dated 7/31/2025) *
   E. Approve Payment of Bills ($3,717,226.31 in total)
      1. In the amount of $3,073,051.02 from the Operation & Maintenance Fund
      2. In the amount of $644,175.29 from the Renewal & Replacement Fund
   F. Approve Confirming Purchase Orders ($55,901 in total)
      1. PO #23409-1, MidWest Construction, $8,688 (Change Order #1 for Garage Foundations)
      2. PO #23519, Waste Management, $47,213 (Coal Yard Cleanup Landfill Fees)

6. General Manager's Report *
   A. Approve Purchase Orders ($427,827 in total) (1)
      1. PO #23335-1, City of Grand Haven, $57,905 (Change Order for Coal Yard Clean Up)*
      2. PO #23509, VDA Labs, $8,772 (Cyber Security Subscriptions)
      3. PO #23518, Koppers Utility, $17,921 (Wood Distribution Poles x 40 for BLP Stock)
      4. PO #23520, City of Grand Haven, $263,570 (CCR Data Collection Work Plan)*
      5. PO #23526, Dewitt Trenching, $25,944 (Industrial Park D. Bore for Street Lights)
      6. PO #23527, Todd Wenzel GMC, $53,715 (2026 GMC 1500 Pickup)
   B. Strategic Goals Update – Financial Management (3) *
   C. City Council Update (4) *

7. Chairman's Report

8. Other Business (4)

9. Public Comment Period

10. Adjourn

Notes:
(1) Board Action Required
(2) Future Board Action
(3) Information RE: Policy or Performance
(4) General Information for Business or Education
* Information Enclosed

GRAND HAVEN BOARD OF LIGHT AND POWER
MINUTES
JULY 17, 2025

A special meeting of the Grand Haven Board of Light and Power was held on Thursday, July 17, 2025, at 4:00 PM at Central Park Place, 421 Columbus Avenue, Grand Haven, MI.

The meeting was called to order at 4:00 PM by Chairperson Westbrook.

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

Absent: None.

Others Present: General Manager Rob Shelley, Secretary to the Board Danielle Martin, and Distribution and Engineering Manager Austin Gagnon.

25-10A Director Welling, supported by Director Polyak, moved to approve the meeting agenda.

> **Roll Call Vote:**
> In favor: Directors Crum, Knoth, Polyak, Welling and Westbrook; Opposed: None.
> Motion carried.

25-10B The Board discussed the results of its self-evaluation.

The self-evaluation was conducted using the Governing Board Self-Evaluation Survey from the American Public Power Association's "Governing for Excellence" book. Survey instructions recommend further discussion on questions with an average score below 4. Four open-ended questions were also discussed. A summary of the Board's discussion follows:

- The Board appreciated the recent APPA on-demand training and would like to participate in similar training in the future.
- Staff will continue to share MMEA/MPPA/APPA event opportunities and members are encouraged to participate.
- The Board Secretary will ensure all members are receiving the APPA Public Power magazine.
- The Board is committed to improving the relationship with Grand Haven City Council and will continue to attempt to schedule a joint meeting following the election.
- Staff will continue to share Chamber event opportunities and members are encouraged to participate.
- The Board Secretary will document the process that is followed when there is a vacancy in the GM or an Executive Staff position.

No formal action taken.

Public Comment – none.

Adjournment

At 4:53 PM by motion of Director Knoth supported by Director Welling, the July 17, 2025 special Board meeting was unanimously adjourned.

Respectfully submitted,

Danielle Martin
Secretary to the Board

DM

GRAND HAVEN BOARD OF LIGHT AND POWER
MINUTES
JULY 17, 2025

A regular meeting of the Grand Haven Board of Light and Power was held on Thursday, July 17, 2025, at 6:00 PM at Central Park Place, 401 Columbus Avenue in Grand Haven, Michigan and electronically via live Zoom Webinar.

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

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

Absent: None.

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

25-11A Director Welling, supported by Director Polyak, moved to approve the meeting agenda.

> **Roll Call Vote:**
> In favor: Directors Crum, Knoth, Polyak, Welling and Westbrook; Opposed: None.
> Motion carried.

Pledge of Allegiance

Public Comment Period:

Jim Hagen, 400 Lake Avenue, commented on an email he sent to the Board and City Council regarding energy efficiency and carbon reduction actions. Hagen would like the BLP to conduct a study on offering a special rate for heat pumps in the winter.

25-11B Director Welling, supported by Director Polyak, moved to approve the consent agenda. The consent agenda includes:

- Approve the minutes of the June 19th special meeting, June 19th closed session, June 19th regular meeting, June 25th special meeting, and June 25th closed session.
- Receive and File the June Financial Statements, Power Supply and Retail Sales Dashboards
- Receive and File the June Key Performance Indicator (KPI) Dashboard
- Receive and File the MPPA Energy Services Project Resource Position Report dated 06/30/2025
- Approve payment of bills in the amount of $2,728,412.59 from the Operation & Maintenance Fund
- Approve payment of bills in the amount of $782,454.18 from the Renewal & Replacement Fund

- Approve confirming Purchase Order #23452 to Traverse City Light and Power in the amount of $6,885 for mutual aid work

- Approve confirming Purchase Order #23464 to Waste Management in the amount of $71,835 for coal yard cleanup landfill fees

The financial statements unaudited reports for the fiscal year 2025 end. Overall, sales were 0.75% under budget, expenses were 5% under budget, and there was a $6.6 million increase in net assets.

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

25-11C Director Welling, supported by Director Crum, moved to approve the Purchase Orders. The Purchase Orders include:

- Purchase Order #23429 to Zervas Facility Maintenance in the amount of $24,000 for fiscal year 2026 cleaning services at Eaton Drive

- Purchase Order #23454 to Interphase Office Interiors in the amount of $6,637 for office furniture for the human resources office

- Purchase Order #23457 to C&S Solutions in the amount of $15,890 for a new underground locator

- Purchase Order #23468 to CRC in the amount of $16,500 for fiscal year 2026 call center services

- Purchase Order #23470 to CDW in the amount of $8,366 for building wifi replacement

- Purchase Order #23479 to Verdantas in the amount of $47,000 for engineering services for the Grand Avenue rebuild project

- Purchase Order #23480 to Verdantas in the amount of $88,000 for engineering services for the circuits 21 and 22 rebuild project

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

25-11D Director Crum, supported by Director Welling, moved to approve the four policies as presented.

Four accounting policies were presented for the Board's consideration including a Cash Reserve Policy, Investment Policy, Purchasing Policy and Purchasing Authority Policy. Following Board approval, the Purchasing Authority policy will need to be approved by the City Council.

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

25-11E Director Welling, supported by Director Polyak, moved to approve the fiscal year 2026 rates as presented.

The proposed rates follow the recommendations of the Cost-of-Service Study presented in May. The adjustments will bring customer charges in closer alignment with the true cost to serve each class and are revenue neutral. Adjustments include increasing the monthly service charge, decreasing the energy charge, and resetting the base power cost. Changes will take effect for the October 2025 billing period. The proposed rates also include new monthly charges to comply with the requirements of the State's Low Income Energy Assistance Program and Energy Waste Reduction Program.

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

25-11F The Chairman advised the Board will likely meet at Central Park Place again in August due to construction on its office at Eaton Drive. He also advised the Board completed its self-evaluation process during a special meeting held earlier this evening.

No formal action taken.

Other Business

- The General Manager advised the Board that key account meetings have been completed. Staff contacted 25 customers and community groups and about half accepted the invitation to meet. Feedback was positive overall and there was interest in discussing generation and community solar projects.

No formal action taken.

Public Comment Period:

Jim Hagen, 400 Lake Avenue, spoke on IRA incentives that are phasing out and encouraged the Board and City to take advantage of opportunities that exist.

Adjournment

At 6:30PM by motion of Director Welling, supported by Director Polyak, the July 17, 2025 Board meeting was unanimously adjourned.

Respectfully submitted,

Danielle Martin
Secretary to the Board

DM

GRAND HAVEN BOARD OF LIGHT AND POWER
STATEMENT OF NET POSITION
FOR THE MONTH ENDING JULY 2025

	JULY 2025	JULY 2024
ASSETS		
CURRENT ASSETS		
CASH AND CASH EQUIVALENTS	$28,320,783	$22,925,136
ACCOUNTS RECEIVABLE	4,821,489	4,559,450
PREPAID	2,246	2,580
	33,144,518	27,487,166
NON-CURRENT ASSETS		
DEPOSITS HELD BY MPIA	11,144,874	10,704,743
DEPOSITS HELD BY MPPA	2,500,000	2,500,000
ADVANCE TO CITY OF GRAND HAVEN	479,055	614,260
MITIGATION FUND	17,335,150	14,507,269
2021A BOND FUND	0	4,806,539
2021A BOND REDEMPTION FUND	1,480,669	1,460,884
	32,939,748	34,593,695
CAPITAL ASSETS		
CONSTRUCTION IN PROGRESS	2,463,029	3,488,856
PROPERTY, PLANT AND EQUIPMENT	69,945,897	65,446,915
LESS ACCUMULATED DEPRECIATION	(32,051,825)	(30,166,461)
	40,357,101	38,769,310
TOTAL ASSETS	$106,441,367	$100,850,171
DEFERRED OUTFLOWS/(INFLOWS)		
PENSION/OPEB RELATED	3,736,804	3,736,804
LIABILITIES		
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	1,975,343	2,219,964
SERIES 2021A BOND CURRENT	2,423,568	2,426,728
ACCRUED PAYROLL LIABILITIES	320,533	147,094
CUSTOMER DEPOSITS	986,860	1,022,139
ACCRUED TRANSFER FUND	198,257	174,844
	5,904,561	5,990,769
LONG TERM LIABILITIES		
ASSET RETIREMENT OBLIGATION - MITIGATION	17,788,502	17,474,809
ACCRUED SICK AND PTO	300,241	263,672
SERIES 2021A BOND	15,500,000	17,900,000
NET PENSION LIABILITIES	5,491,563	5,491,563
NET OTHER POST EMPLOYMENT BENEFIT	929,482	929,482
	40,009,788	42,059,526
TOTAL LIABILITIES	45,914,349	48,050,295
NET POSITION		
BEGINNING OF THE YEAR	63,540,194	56,080,669
YTD INCREASE IN NET ASSETS	723,628	456,011
NET POSITION	64,263,822	56,536,680
TOTAL LIABILITIES AND EQUITY	$110,178,171	$104,586,975

GRAND HAVEN BOARD OF LIGHT AND POWER
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE MONTH OF JULY 2025

	Current Period Actual	YTD Actual	YTD Budget	Variance Over (Under)	Percent Variance Actual vs Budget	Previous Year Current Period	Previous Year YTD	Variance Over (Under)	Percent Variance Actual vs Last Year
Operating Revenue									
Residential Sales	$ 1,618,040	$ 1,618,040	$ 1,422,869	$ 195,171	13.72%	$ 1,319,571	$ 1,319,571	$ 298,469	22.62%
Commercial Sales	1,093,771	1,093,771	1,116,384	(22,613)	-2.03%	974,817	974,817	118,954	12.20%
Industrial Sales	1,008,905	1,008,905	1,043,047	(34,142)	-3.27%	982,523	982,523	26,382	2.69%
Municipal Sales	116,451	116,451	100,421	16,030	15.96%	102,437	102,437	14,014	13.68%
Total Charges for Services	3,837,167	3,837,167	3,682,721	154,446	4.19%	3,379,348	3,379,348	457,819	13.55%
Street Lighting	28,138	28,138	28,000	138	0.49%	28,000	28,000	138	0.49%
Other Revenue	22,363	22,363	31,883	(9,520)	-29.86%	26,567	26,567	(4,204)	-15.82%
Total Operating Revenue	3,887,668	3,887,668	3,742,604	145,064	3.88%	3,433,915	3,433,915	453,753	13.21%
Operating Expenses									
Net Purchased Power	2,255,916	2,255,916	1,962,560	293,356	14.95%	2,266,100	2,266,100	(10,184)	-0.45%
Distribution Operations	118,430	118,430	124,123	(5,693)	-4.59%	105,077	105,077	13,353	12.71%
Distribution Maintenance	279,244	279,244	326,808	(47,564)	-14.55%	226,291	226,291	52,953	23.40%
Energy Optimization	11,918	11,918	10,417	1,501	14.41%	9,957	9,957	1,961	19.69%
Administration	226,207	226,207	266,242	(40,035)	-15.04%	199,093	199,093	27,114	13.62%
Legacy Pension Expense	47,929	47,929	33,333	14,596	43.79%	14,823	14,823	33,106	223.34%
Operating Expenses Before Depreciation	2,939,644	2,939,644	2,723,483	216,161	7.94%	2,821,341	2,821,341	118,303	4.19%
Operating Changes Before Depreciation	948,024	948,024	1,019,121	(71,097)	-6.98%	612,574	612,574	335,450	54.76%
Depreciation	193,863	193,863	191,666	2,197	1.15%	178,335	178,335	15,528	8.71%
Operating Changes	754,161	754,161	827,455	(73,294)	-8.86%	434,239	434,239	319,922	73.67%
Nonoperating Revenue/(Expenses)	67,881	67,881	31,845	36,036	113.16%	107,076	107,076	(39,195)	-36.60%
Asset Retirement Expense	-	-	-	-	#DIV/0!	-	-	-	#DIV/0!
Environmental Surcharge	99,843	99,843	83,333	16,510	19.81%	89,540	89,540	10,303	11.51%
Non-Operating Revenue/(Expenses)	167,724	167,724	115,178	52,546	45.62%	196,616	196,616	(28,892)	-14.69%
Transfers to City of Grand Haven	(198,257)	(198,257)	(185,543)	(12,714)	6.85%	(174,844)	(174,844)	(23,413)	13.39%
Increase in Net Assets	$ 723,628	$ 723,628	$ 757,090	$ (33,462)	-4.42%	$ 456,011	$ 456,011	$ 267,617	58.69%

GRAND HAVEN BOARD OF LIGHT AND POWER
POWER SUPPLY DASHBOARD
FOR THE MONTH OF JULY 2025

Power Supply for Month (kWh)	**FY2026**		**FY2025**	
Net Purchased (Sold) Power	24,106,756	77.18%	21,892,289	77.07%
Renewable Energy Purchases	7,125,786	22.82%	6,512,798	22.93%
Monthly Power Supply Total	**31,232,542**		**28,405,087**	
Days in Month	31		31	
Average Daily kWh Supply for Month	**1,007,501**		**916,293**	
% Change	9.95%			

Power Supply FYTD	**FY2026**		**FY2025**	
Net Purchased (Sold) Power	24,106,756	77.18%	21,892,289	77.07%
Renewable Energy Purchases	7,125,786	22.82%	6,512,798	22.93%
FYTD Power Supply Total	**31,232,542**		**28,405,087**	
FYTD Days (from 7/1)	31		31	
Average Daily kWh Supply FYTD	**1,007,501**		**916,293**	
% Change	9.95%			

	FY2026	**FY2025**
Net Purchased Power Expenses	$2,255,916	$2,266,100
% Change	-0.45%	
Net Energy Expenses per kWh Supplied to System FYTD	**$0.07223**	**$0.07978**
% Change	-9.46%	

GRAND HAVEN BOARD OF LIGHT AND POWER
SALES DASHBOARD
FOR THE MONTH OF JULY 2025

Monthly Retail Customers	**FY2026**		**FY2025**	
Residential	13,301	87.58%	13,320	87.60%
Commercial	1,648	10.85%	1,645	10.82%
Industrial	128	0.84%	126	0.83%
Municipal	111	0.73%	114	0.75%
Total	**15,188**		**15,205**	
Monthly Energy Sold (kWh)				
Residential	11,247,985	39.31%	9,301,049	36.25%
Commercial	8,023,781	28.04%	7,249,997	28.25%
Industrial	8,272,545	28.91%	8,176,577	31.86%
Municipal	1,000,362	3.50%	866,323	3.38%
Retail Monthly Total	28,544,673	99.77%	25,593,946	99.74%
Street Lighting	66,275	0.23%	66,134	0.26%
Total Monthly Energy Sold	**28,610,948**		**25,660,080**	
Days in Primary Meter Cycle	30		30	
kWh Sold per Day	**953,698**		**855,336**	
% Change	11.50%			

Energy Sold (kWh) FYTD	**FY2026**		**FY2025**	
Residential	11,247,985	39.31%	9,301,049	36.25%
Commercial	8,023,781	28.04%	7,249,997	28.25%
Industrial	8,272,545	28.91%	8,176,577	31.86%
Municipal	1,000,362	3.50%	866,323	3.38%
Retail Energy Sold Total FYTD	28,544,673	99.77%	25,593,946	99.74%
Street Lighting	66,275	0.23%	66,134	0.26%
Energy Sold FYTD	**28,610,948**		**25,660,080**	
Weighted Days in Meter Cycles FYTD	30		30	
kWh Sold per Day	**953,698**		**855,336**	
% Change	11.50%			

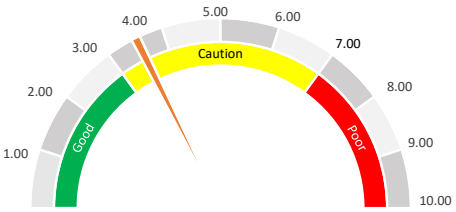
Sales Revenue FYTD net ERS	**FY2026**	**Average Rate ($/kWh)**	**FY2025**	**Average Rate ($/KWh)**	**Percent Change $/kWh**
Residential	$1,618,040	$0.1439	$1,319,571	$0.1419	1.39%
Commercial	$1,093,771	$0.1363	$974,817	$0.1345	1.38%
Industrial	$1,008,906	$0.1220	$982,523	$0.1202	1.49%
Municipal	$116,451	$0.1164	$102,437	$0.1182	-1.55%
Retail Sales Revenue FYTD	**$3,837,167**	**$0.1344**	**$3,379,347**	**$0.1320**	**1.81%**
Street Lighting	$28,138		$28,000		
Total Sales Revenue FYTD (Excl. Wholesale)	$3,865,305	**$0.1351**	$3,407,347	**$0.1328**	

	FY2026	**FY2025**
Approx. Distribution Losses FYTD	5.34%	6.65%
Net Energy Expenses/kWh Sold FYTD	**$0.07609**	**$0.08509**
% Change	-10.58%	

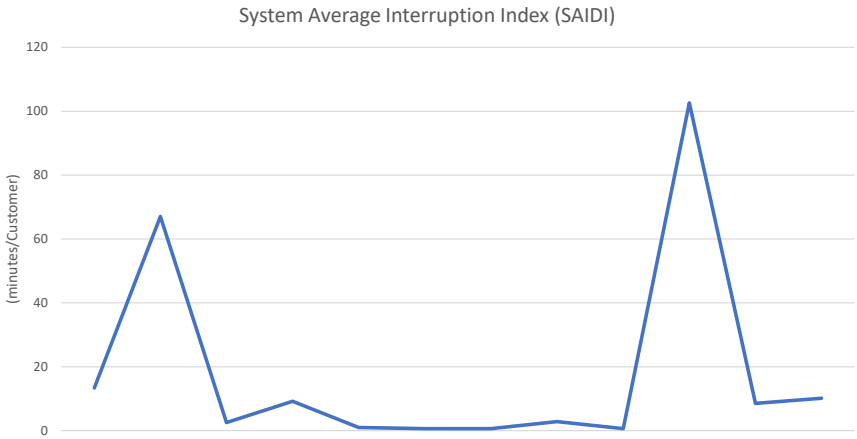
GHBLP Key Performance Indicators

August 14, 2025

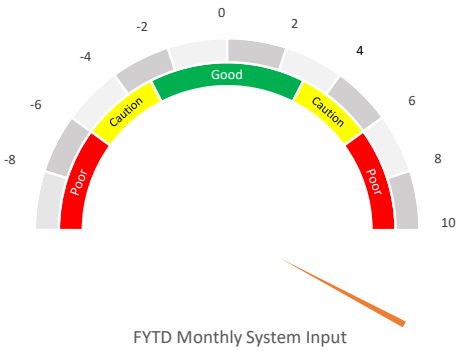
1) Reliability



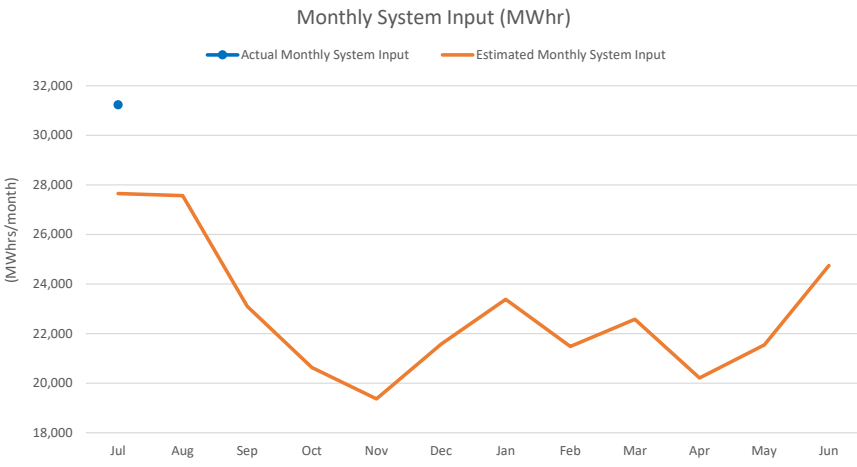
SAIDI
12 Month Rolling Total <3hrs



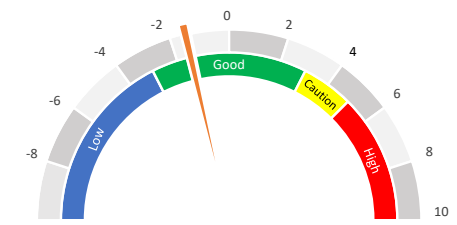
2) Power Supply



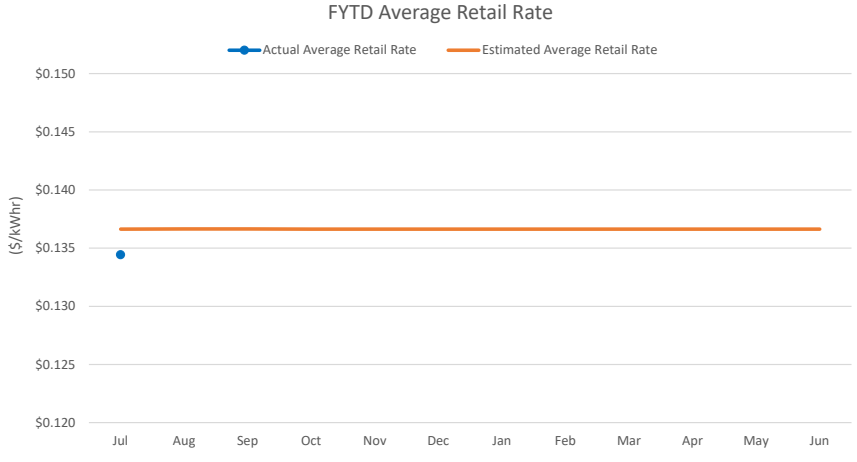
FYTD Monthly System Input
(Actual vs Estimated)
Budget Variance Goal +/- 3%



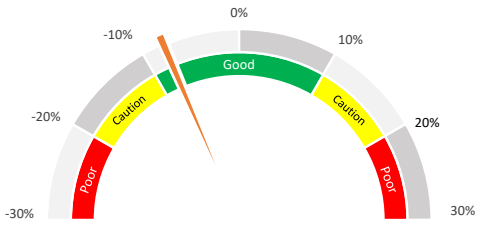
3) Average Retail Revenue per kWh



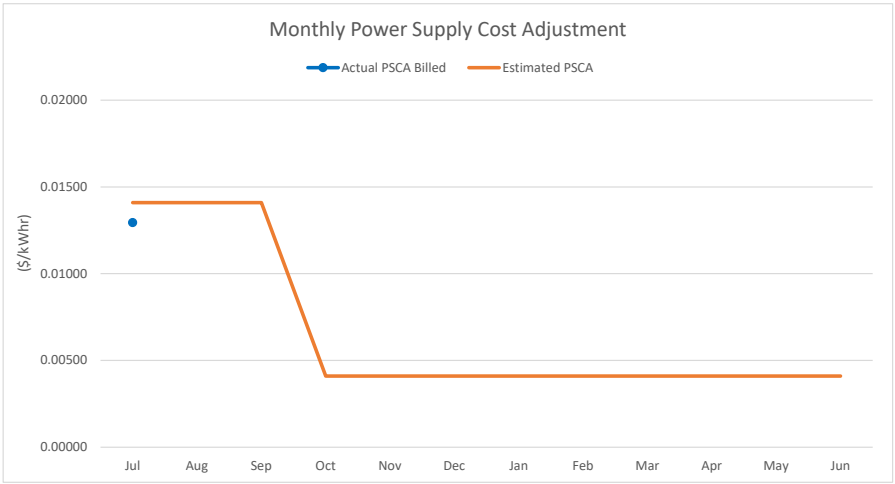
FYTD Average Retail Rate
(Actual vs Estimated)
Budget Variance Goal <3%



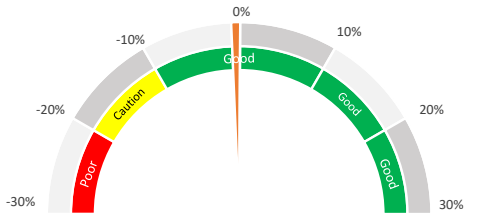
4) Rates/PSCA



FYTD Power Supply Cost Adjustment
(Actual vs Estimated)
Budget Variance Goal +/- 10%



5) Financial



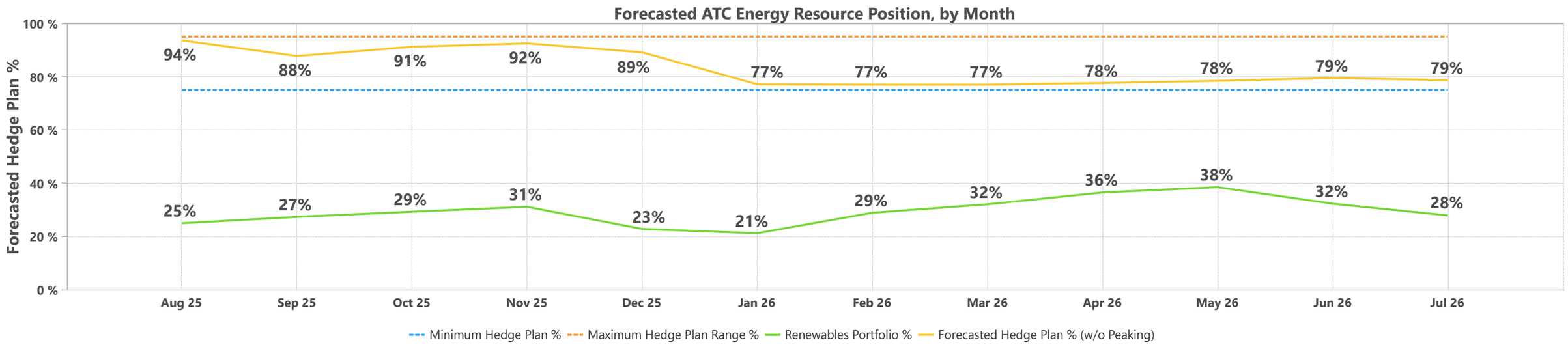
FYTD Cash Balance
(Actual vs Estimated)
Budget Variance Goal > - 10%

GRAN is forecasted to have an average of 83% of Around the Clock (ATC) Power Supply hedged over the upcoming 12 months, and Renewable Energy Resources are forecasted to provide an average of 29% towards load.
Total Resources are forecasted to cost an average of $53.16 Per MWh, and Market Balancing Energy is forecasted to come in at an average of $49.28 per MWh.
When including Locational Basis this results in a Total Forecasted Power Supply weighted average cost of $53.39 over the upcoming 12 months.

Forecasted Prompt 12 Months Energy Resource Position for GRAN

Power Supply, MWh	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Total Resources, MWh	**25,658**	**20,261**	**18,807**	**17,904**	**19,214**	**18,024**	**16,542**	**17,373**	**15,669**	**16,878**	**19,664**	**21,743**
Project Assets	**1,545**	**1,556**	**1,701**	**1,655**	**1,639**	**1,657**	**1,488**	**1,694**	**1,612**	**1,673**	**1,529**	**1,578**
Landfill Project	1,545	1,556	1,701	1,655	1,639	1,657	1,488	1,694	1,612	1,673	1,529	1,578
Contracted Power Supply	**24,113**	**18,705**	**17,106**	**16,250**	**17,575**	**16,367**	**15,054**	**15,679**	**14,057**	**15,205**	**18,135**	**20,165**
Contracted ESP Renewable PPAs	5,283	4,747	4,327	4,360	3,266	3,285	4,712	5,530	5,751	6,604	6,449	6,117
Contracted Bilateral Energy Transactions	18,830	13,958	12,778	11,890	14,310	13,082	10,342	10,149	8,306	8,601	11,686	14,048

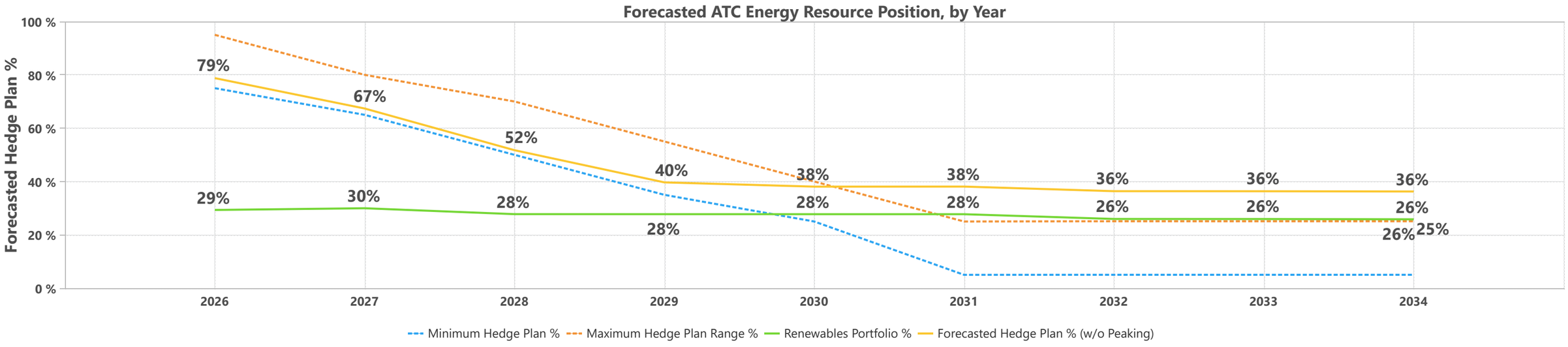
Total Power Supply	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Forecasted Hedge Plan % (w/o Peaking)	94%	88%	91%	92%	89%	77%	77%	77%	78%	78%	79%	79%
Minimum Hedge Plan %	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Maximum Hedge Plan Range %	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Renewables Portfolio %	25%	27%	29%	31%	23%	21%	29%	32%	36%	38%	32%	28%
Forecasted Load	(27,419)	(23,099)	(20,627)	(19,362)	(21,569)	(23,378)	(21,492)	(22,574)	(20,197)	(21,531)	(24,745)	(27,647)
Forecasted Market Balancing, MWh	(1,760)	(2,839)	(1,821)	(1,458)	(2,355)	(5,354)	(4,950)	(5,201)	(4,528)	(4,653)	(5,081)	(5,904)
Forecasted Hedge % (w/ Peaking)	94%	88%	91%	92%	89%	77%	77%	77%	78%	78%	79%	79%



Forecasted Outer Years Energy Resource Position for GRAN

Power Supply, MWh	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Resources, MWh	**215,667**	**183,992**	**140,957**	**107,834**	**103,261**	**103,072**	**98,163**	**97,876**	**97,422**
Project Assets	**19,325**	**13,564**	**7,493**	**7,493**	**7,493**	**7,490**	**2,654**	**2,654**	**2,382**
Landfill Project	19,325	13,564	7,493	7,493	7,493	7,490	2,654	2,654	2,382
Contracted Power Supply	**196,341**	**170,429**	**133,464**	**100,341**	**95,768**	**95,582**	**95,508**	**95,222**	**95,040**
Contracted ESP Renewable PPAs	60,986	68,289	68,133	67,920	67,736	67,550	67,400	67,190	67,008
Contracted Bilateral Energy Transactions	135,355	102,139	65,331	32,422	28,032	28,032	28,109	28,032	28,032

Total Power Supply	2026	2027	2028	2029	2030	2031	2032	2033	2034
Forecasted Hedge Plan % (w/o Peaking)	79%	67%	52%	40%	38%	38%	36%	36%	36%
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 %	29%	30%	28%	28%	28%	28%	26%	26%	26%
Forecasted Load	(273,791)	(273,091)	(272,429)	(271,800)	(271,180)	(270,537)	(269,893)	(269,289)	(268,715)
Forecasted Market Balancing, MWh	(58,124)	(89,099)	(131,472)	(163,966)	(167,919)	(167,465)	(171,731)	(171,412)	(171,293)
Forecasted Hedge % (w/ Peaking)	79%	67%	52%	40%	38%	38%	36%	36%	36%



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.

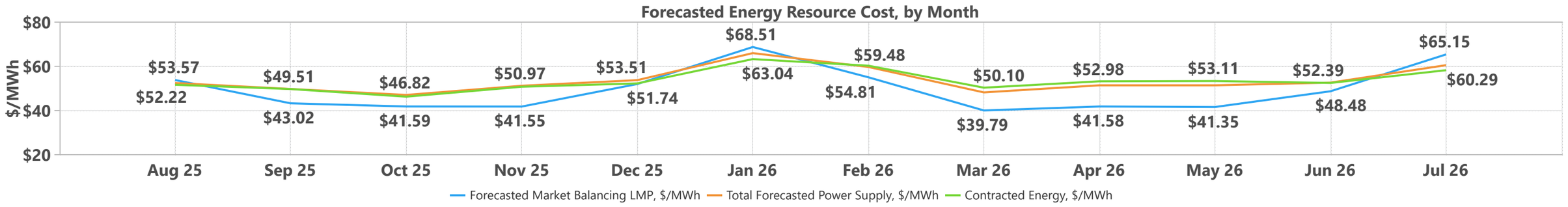
Power Supply $'s	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Total Resources, $'s	**($1,318,997)**	**($1,002,686)**	**($865,656)**	**($904,602)**	**($999,642)**	**($1,136,173)**	**($993,404)**	**($870,377)**	**($830,201)**	**($896,402)**	**($1,027,282)**	**($1,261,266)**
Project Assets	**($180,738)**	**($182,027)**	**($137,671)**	**($194,173)**	**($191,977)**	**($196,648)**	**($177,654)**	**($142,926)**	**($193,227)**	**($202,123)**	**($182,621)**	**($185,706)**
Landfill Project	($180,738)	($182,027)	($137,671)	($194,173)	($191,977)	($196,648)	($177,654)	($142,926)	($193,227)	($202,123)	($182,621)	($185,706)
Contracted Power Supply	**($1,138,259)**	**($820,659)**	**($727,985)**	**($710,429)**	**($807,666)**	**($939,525)**	**($815,750)**	**($727,451)**	**($636,975)**	**($694,280)**	**($844,661)**	**($1,075,561)**
Contracted ESP Renewable PPAs	($245,965)	($226,918)	($206,813)	($207,997)	($154,673)	($160,120)	($227,951)	($269,172)	($279,611)	($320,933)	($314,004)	($297,627)
Contracted Bilateral Energy Transactions	($892,294)	($593,741)	($521,172)	($502,432)	($652,993)	($779,405)	($587,799)	($458,279)	($357,364)	($373,347)	($530,657)	($777,934)

Locational Basis, $'s	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Locational Basis (Projects)	($1,011)	($334)	$342	($648)	$727	($1,270)	($1,217)	$128	$1,476	($892)	($1,034)	($663)
Locational Basis (Contracted Power Supply)	($17,504)	($18,585)	($24,636)	($21,053)	($33,327)	($32,782)	($12,366)	($5,527)	($16,432)	($12,041)	($21,902)	($20,203)

Power Supply $/MWh	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Power Supply $/MWh												
Project Assets												
Landfill Project	$116.98	$117.00	$80.94	$117.35	$117.16	$118.70	$119.42	$84.36	$119.87	$120.83	$119.45	$117.65
Contracted Power Supply												
Contracted ESP Renewable PPAs	$46.56	$47.81	$47.79	$47.70	$47.36	$48.74	$48.38	$48.67	$48.62	$48.60	$48.69	$48.66
Contracted Bilateral Energy Transactions	$47.39	$42.54	$40.79	$42.26	$45.63	$59.58	$56.83	$45.16	$43.03	$43.41	$45.41	$55.38

Locational Basis, $/MWh	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Locational Basis (Projects)	$0.65	$0.21	($0.20)	$0.39	($0.44)	$0.77	$0.82	($0.08)	($0.92)	$0.53	$0.68	$0.42
Locational Basis (Contracted Power Supply)	$0.73	$0.99	$1.44	$1.30	$1.90	$2.00	$0.82	$0.35	$1.17	$0.79	$1.21	$1.00

Total Power Supply	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26
Forecasted Market Balancing LMP, $/MWh	$53.57	$43.02	$41.59	$41.55	$51.74	$68.51	$54.81	$39.79	$41.58	$41.35	$48.48	$65.15
Forecasted Market Balancing LMP, $'s	($94,308)	($122,120)	($75,724)	($60,580)	($121,852)	($366,797)	($271,300)	($206,943)	($188,292)	($192,402)	($246,301)	($384,641)
Total Forecasted Power Supply, $/MWh	$52.22	$49.51	$46.82	$50.97	$53.51	$65.75	$59.48	$47.96	$51.17	$51.17	$52.39	$60.29
Total Forecasted Power Supply Costs, $'s	($1,431,820)	($1,143,725)	($965,674)	($986,882)	($1,154,094)	($1,537,022)	($1,278,287)	($1,082,719)	($1,033,450)	($1,101,737)	($1,296,520)	($1,666,774)



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.

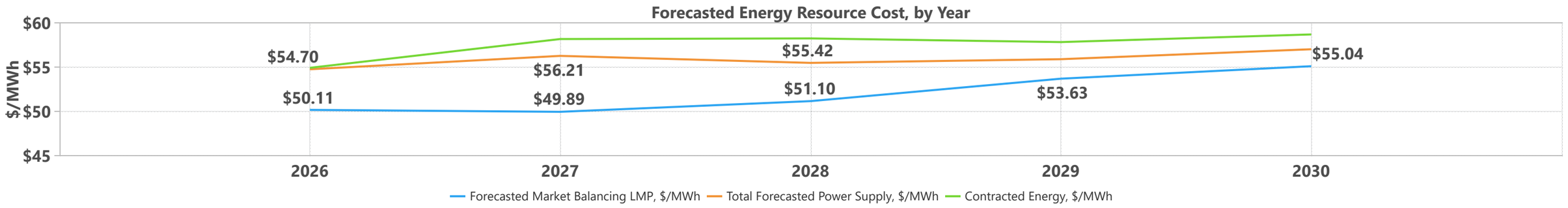
Power Supply $'s	2026	2027	2028	2029	2030
Total Resources, $'s	**($11,830,799)**	**($10,691,769)**	**($8,200,973)**	**($6,229,122)**	**($6,054,202)**
Project Assets	**($2,121,355)**	**($1,492,827)**	**($862,621)**	**($884,885)**	**($907,489)**
Landfill Project	($2,121,355)	($1,492,827)	($862,621)	($884,885)	($907,489)
Contracted Power Supply	**($9,709,444)**	**($9,198,941)**	**($7,338,352)**	**($5,344,237)**	**($5,146,713)**
Contracted ESP Renewable PPAs	($2,962,561)	($3,362,931)	($3,402,331)	($3,439,294)	($3,478,809)
Contracted Bilateral Energy Transactions	($6,746,882)	($5,836,010)	($3,936,021)	($1,904,942)	($1,667,904)

Locational Basis, $'s	2026	2027	2028	2029	2030
Locational Basis (Projects)	($4,487)	($5,365)	($974)	($912)	($924)
Locational Basis (Contracted Power Supply)	($227,632)	($207,807)	($177,205)	($151,813)	($147,968)

Power Supply $/MWh	2026	2027	2028	2029	2030
Power Supply $/MWh					
Project Assets					
Landfill Project	$109.77	$110.06	$115.12	$118.10	$121.11
Contracted Power Supply					
Contracted ESP Renewable PPAs	$48.58	$49.25	$49.94	$50.64	$51.36
Contracted Bilateral Energy Transactions	$49.85	$57.14	$60.25	$58.76	$59.50

Locational Basis, $/MWh	2026	2027	2028	2029	2030
Locational Basis (Projects)	$0.23	$0.40	$0.13	$0.12	$0.12
Locational Basis (Contracted Power Supply)	$1.16	$1.22	$1.33	$1.51	$1.55

Total Power Supply	2026	2027	2028	2029	2030
Forecasted Market Balancing LMP, $/MWh	$50.11	$49.89	$51.10	$53.63	$55.04
Forecasted Market Balancing LMP, $'s	($2,912,371)	($4,444,991)	($6,717,717)	($8,793,742)	($9,242,584)
Total Forecasted Power Supply, $/MWh	$54.70	$56.21	$55.42	$55.83	$56.96
Total Forecasted Power Supply Costs, $'s	($14,975,288)	($15,349,932)	($15,096,869)	($15,175,589)	($15,445,678)

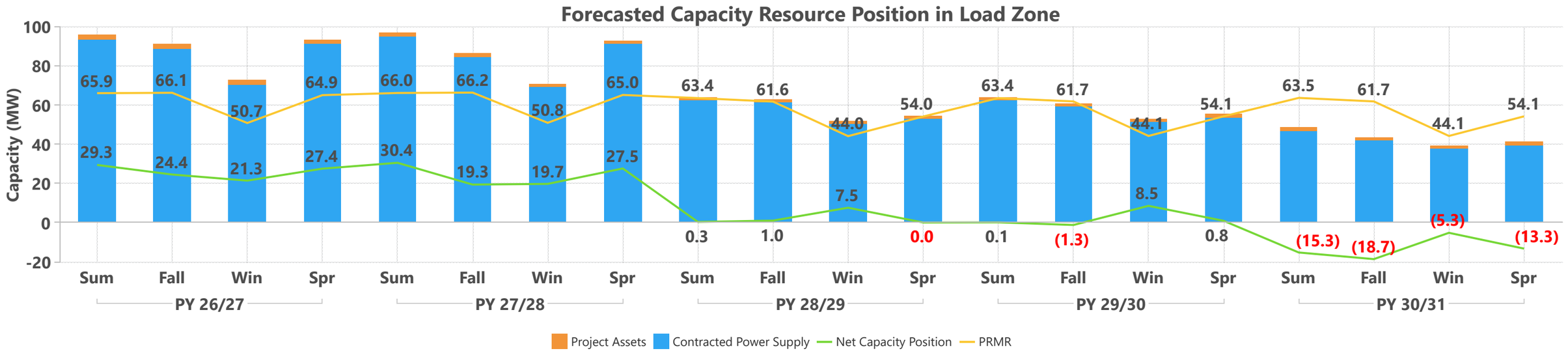


Forecasted Outer Years Capacity Resource Position for GRAN

Capacity Resources, MW	PY 26/27				PY 27/28				PY 28/29				PY 29/30				PY 30/31			
	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr	Sum	Fall	Win	Spr
Net Capacity Position	**29.3**	**24.4**	**21.3**	**27.4**	**30.4**	**19.3**	**19.7**	**27.5**	**0.3**	**1.0**	**7.5**	**0.0**	**0.1**	**(1.3)**	**8.5**	**0.8**	**(15.3)**	**(18.7)**	**(5.3)**	**(13.3)**
Zone 7	**29.3**	**24.4**	**21.3**	**27.4**	**30.4**	**19.3**	**19.7**	**27.5**	**0.3**	**1.0**	**7.5**	**0.0**	**0.1**	**(1.3)**	**8.5**	**0.8**	**(15.3)**	**(18.7)**	**(5.3)**	**(13.3)**
Contracted Power Supply	**93.5**	**88.8**	**70.3**	**91.2**	**95.2**	**84.3**	**69.3**	**91.4**	**62.5**	**61.4**	**50.4**	**52.8**	**62.3**	**59.3**	**51.5**	**53.8**	**47.0**	**41.9**	**37.7**	**39.6**
Contracted Bilateral Capacity Transactions	78.4	77.3	67.2	77.3	79.7	74.1	66.5	77.5	55.0	54.3	48.7	50.1	55.6	54.0	50.0	51.3	41.1	38.4	36.2	37.3
Contracted ESP Renewable PPAs	15.1	11.5	3.1	13.9	15.5	10.2	2.8	13.9	7.5	7.2	1.7	2.8	6.7	5.3	1.5	2.6	5.9	3.5	1.5	2.3
Planning Reserve Margin Requirement	**(65.9)**	**(66.1)**	**(50.7)**	**(64.9)**	**(66.0)**	**(66.2)**	**(50.8)**	**(65.0)**	**(63.4)**	**(61.6)**	**(44.0)**	**(54.0)**	**(63.4)**	**(61.7)**	**(44.1)**	**(54.1)**	**(63.5)**	**(61.7)**	**(44.1)**	**(54.1)**
PRMR	(65.9)	(66.1)	(50.7)	(64.9)	(66.0)	(66.2)	(50.8)	(65.0)	(63.4)	(61.6)	(44.0)	(54.0)	(63.4)	(61.7)	(44.1)	(54.1)	(63.5)	(61.7)	(44.1)	(54.1)
Project Assets	**1.7**	**1.7**	**1.7**	**1.2**	**1.2**	**1.2**	**1.2**	**1.2**	**1.2**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.1**	**1.2**	**1.1**	**1.1**	**1.1**
Landfill Project	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1

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.
Total Net Capactiy Bilats	**(75.1)**	**($3,864,492)**	**$4.29**	**(74.5)**	**($3,831,299)**	**$4.29**	**(52.0)**	**($2,975,371)**	**$4.77**	**(52.7)**	**($3,014,516)**	**$4.77**	**(38.3)**	**($2,143,611)**	**$4.67**
Sum	**(78.4)**	**($1,015,036)**	**$4.32**	**(79.7)**	**($1,033,970)**	**$4.32**	**(55.0)**	**($787,057)**	**$4.77**	**(55.6)**	**($795,312)**	**$4.77**	**(41.1)**	**($577,155)**	**$4.68**
Fall	**(77.3)**	**($997,389)**	**$4.30**	**(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	**(67.2)**	**($852,918)**	**$4.23**	**(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	**(77.3)**	**($999,148)**	**$4.31**	**(77.5)**	**($1,002,193)**	**$4.31**	**(50.1)**	**($716,281)**	**$4.77**	**(51.3)**	**($733,203)**	**$4.77**	**(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
Total Net Capacity Position	**21.3**	**$1,789,200**	**($1,736,946)**	**19.3**	**$1,679,100**	**($2,152,199)**	**0.0**	**$0**	**($2,975,371)**	**(1.3)**	**($120,900)**	**($3,135,416)**	**(18.7)**	**($1,795,200)**	**($3,938,811)**
Sum	**21.3**	**$447,300**	**($229,391)**	**19.3**	**$419,775**	**($614,195)**	**0.0**	**$0**	**($787,057)**	**(1.3)**	**($30,225)**	**($825,537)**	**(18.7)**	**($448,800)**	**($1,025,955)**
Fall	**21.3**	**$447,300**	**($550,089)**	**19.3**	**$419,775**	**($532,084)**	**0.0**	**$0**	**($776,036)**	**(1.3)**	**($30,225)**	**($801,799)**	**(18.7)**	**($448,800)**	**($986,610)**
Win	**21.3**	**$447,300**	**($405,618)**	**19.3**	**$419,775**	**($423,502)**	**0.0**	**$0**	**($695,997)**	**(1.3)**	**($30,225)**	**($744,651)**	**(18.7)**	**($448,800)**	**($955,179)**
Spr	**21.3**	**$447,300**	**($551,848)**	**19.3**	**$419,775**	**($582,418)**	**0.0**	**$0**	**($716,281)**	**(1.3)**	**($30,225)**	**($763,428)**	**(18.7)**	**($448,800)**	**($971,067)**

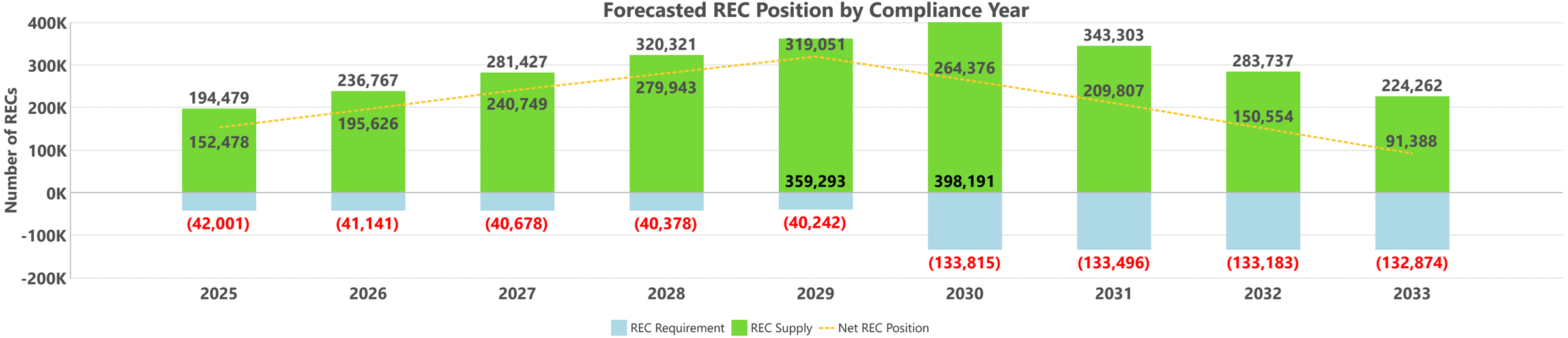


Forecasted Renewable Energy Credit (REC) Position for GRAN

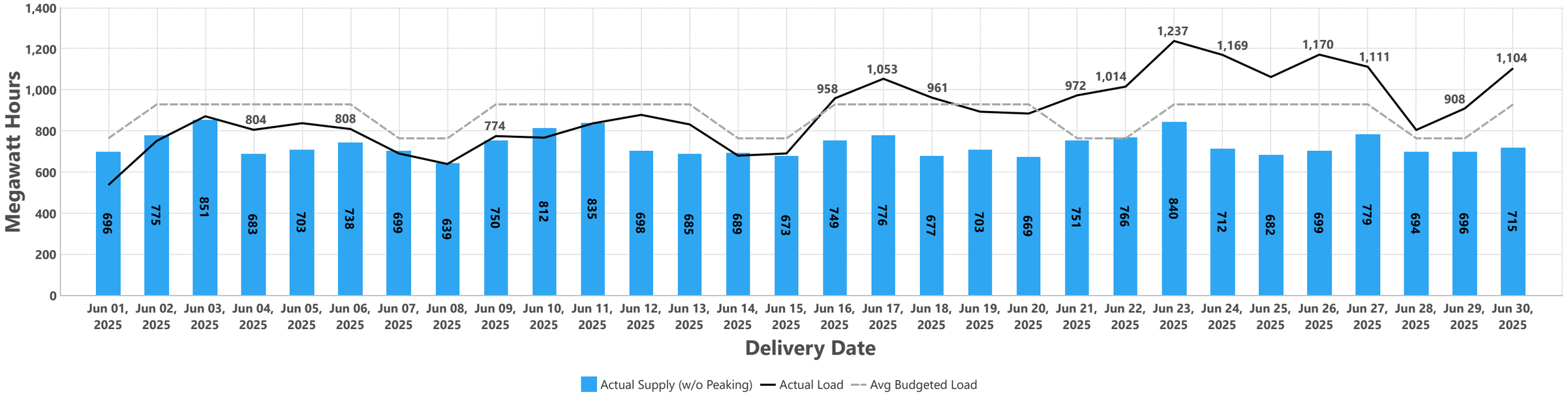
Forecasted REC volumes are based on actual meter data when available and use the latest modeled generation for future timeframes.
Available Banked RECs in a compliance year reflect the forecasted Net REC Position at the end of the previous year.

Compliance Year	2025	2026	2027	2028	2029	2030	2031	2032	2033
Net REC Position	**152,478**	**195,626**	**240,749**	**279,943**	**319,051**	**264,376**	**209,807**	**150,554**	**91,388**
Available Banked RECs	115,990	152,478	195,626	240,749	279,943	319,051	264,376	209,807	150,554
Hedge Policy REC Requirement	(42,001)	(41,141)	(40,678)	(40,378)	(40,242)	(133,815)	(133,496)	(133,183)	(132,874)
Assembly Solar	10,053	10,609	10,550	10,497	10,444	10,389	10,335	10,287	10,239
Assembly Solar Phase II	8,398	8,791	8,745	8,702	8,656	8,610	8,565	8,527	8,481
Beebe	5,900	5,803	5,804	5,802	5,804	5,803	5,802	5,804	5,803
Brandt Woods Solar	3,437	4,515	4,492	4,477	4,447	4,425	4,403	4,389	4,359
Hart Solar		161	7,628	7,618	7,582	7,559	7,537	7,527	7,491
Invenergy Calhoun Solar	11,245	13,748	13,700	13,660	13,620	13,575	13,531	13,496	13,454
Landfill Project (EDL)	16,079	14,455	8,695	2,638	2,643	2,643	2,644	2,638	2,643
Landfill Project (NANR)	4,537	4,839	4,839	4,839	4,839	4,839	4,836		
Pegasus	18,084	17,545	17,544	17,545	17,548	17,548	17,545	17,544	17,545
White Tail Solar	755	3,824	3,805	3,794	3,767	3,748	3,729	3,719	3,692

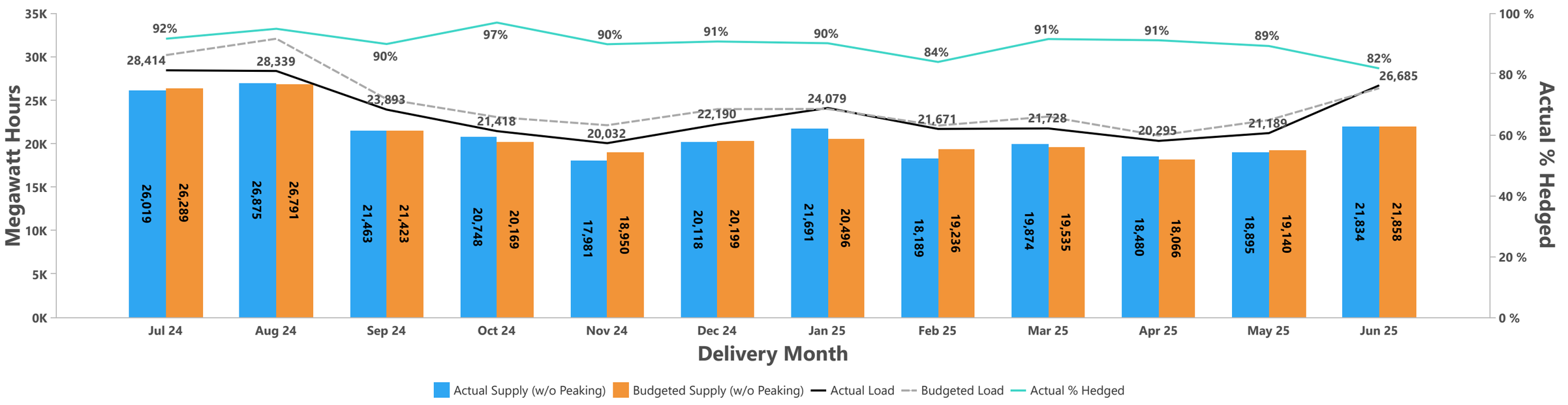
Compliance Year	2025	2026	2027	2028	2029	2030	2031	2032	2033
3 Year Avg Retail Sales	(280,006)	(274,276)	(271,187)	(269,186)	(268,282)	(267,629)	(266,991)	(266,365)	(265,747)
Hedge Policy REC Target %	15.0%	15.0%	15.0%	15.0%	15.0%	50.0%	50.0%	50.0%	50.0%
Hedge Policy REC Requirement	(42,001)	(41,141)	(40,678)	(40,378)	(40,242)	(133,815)	(133,496)	(133,183)	(132,874)
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



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 AUGUST 21, 2025

5. B. The Preliminary BLP Financial Statements and Dashboards for the month ending July 31, 2025, are provided for your information. These financial statements represent the BLP's financial position through 8% of the fiscal year.

Income Statement Budget Variance	
	over(under)
Total Charges for Service	$ 154,446
Other Revenue	(9,382)
	145,064
Purchased Power	293,356
Departments Salary and Fringe	(6,961)
Departments Other	(86,331)
Other	16,096
	216,160
Depreciation	2,197
Non-Operating Revenue (Expenses)	52,546
Transfers to City of Grand Haven	12,714
Increase in Net Assets	$ (33,462)

INCOME STATEMENT

Operating Charge revenues are 10.5% of annual budgeted revenues. See below:

Retail Sales Budget Variance				
Kwh Over (Under) Budget	5.91%	1,593,613	Kwh	$ 217,759
Sales$ per Kwh Over (Under) Budget	-1.62%	$ (0.00222)	per Kwh	$ (63,313)
				$ 154,446

Operating expenses are 10% of the annual operating expenses budget. All departments are under budget. However, purchased power, more than 70% of our operating expenses, was 15% above budget. Cooling for residential customers being the driving factor for this increase. We purchased 3,585 Mwhs more energy than was budgeted for. See below:

Purchased Power Budget Variance				
Kwh Over (Under) Budget	12.97%	3,585,466	Kwh	$ 254,520
Cost Over (Under) Budget per Kwh	1.75%	$ 1.24346	per Kwh	$ 38,836
				$ 293,356

To note: Purchases of power and retail sales do follow a different timeline as the sales are billed in the following month and purchases are current. This balances out over the year but can create variances at the beginning of the fiscal year.

Year-to-Date **Renewable Energy Purchases equal 7,125,786 KWh's, or 23%, of total power purchases.**

The Increase in Net Position for the year is equal to $723,628.

BALANCE SHEET

Cash and Cash Equivalents are $28,320,783. This does not include funds set aside for remediation, bond funds and working capital held with MPIA and MPPA. Current cash balance falls above the established minimum cash reserve.

The **Capital Plan** approved for FY26 was $6,152,000. As of July 31, 2025, 5% of the capital projects budgeted funds have been disbursed.

5. F. Confirm Purchase Orders – There are two (2) confirming Purchase Orders on the Consent Agenda this month of **$55,901** 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).

I have two (2) PO's for which I would like to give more detail.

PO #23409-1 – MidWest Construction: This PO is to cover contract change order #1 for the Service Center Remodel Project. This change is to account for the larger foundations required after final design of the garage building.

PO #23519 – Waste Management: This PO is part of the Coal Yard Cleanup Project. This project was bid to have the contractor haul the waste from the site to the landfill and the BLP

would pay the landfill tipping fees directly. This PO is to cover the July invoice from Waste Management.

6. A. Approve Purchase Orders – There are six (6) Purchases Order totaling **$427,827** 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 two (2) PO's for which I would like to give more detail.

PO #23335-1 – City of Grand Haven: This PO is for the change order for the Coal Yard Cleanup Project. This change order covers the cost of filling in the coal yard run off area to prevent future water collection on site. City Staff recommends approval.

PO #23520 – City of Grand Haven: This PO is to reimburse the City for future HDR work under Task Order 22 Task 32.1-32.5. The scope of work is to gather final site-specific CCR information to support remedial design and selection. Please see the enclosed memo from Derek Gajdos and proposal from HDR for more details. City Staff recommends approval.

RS/dm

Attachments 8/15/25

City of Grand Haven
City Manager's Office
616-847-4888

MEMORANDUM

TO: BLP Board

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

FROM: Derek Gajdos – Project Management Director DG

DATE: August 6, 2025

SUBJECT: Coal Pile Removal Project – Change Order #5 TL Contracting

---

The Coal Pile Removal project is in its final stages. After removal of the coal from the storm water retention area, a clay layer was observed covering almost the entire retention area. Removal efforts were aimed at keeping as much of the clay layer as possible. The clay layer is below the current water table, therefore, as the coal material was removed, ground water is able to accumulate above the clay layer. The storm water runoff area was originally proposed to be left near its pre-cleanout elevations and thus not restored with topsoil and seed.

However, subsequent discussion and considerations by city and BLP staff, have concluded with a recommendation that this area should be filled in, to an elevation that will allow for it to be maintained similarly to the rest of the coal pile area in the future. This would avoid any potential creation of wetlands as well. Approximately 4' of fill will be needed in the lowest areas, which equals approximately 6,500 cubic yards of fill material. A quote from our current contractor TL Construction was requested. The cost to haul in that amount of fill material spread and subsequently restore with topsoil and grass seed totaled $108,010.40.

HDR and city staff reviewed the quote from TL Contracting and have concluded that it aligns with industry standard pricing and equivalent to what would be anticipated within a competitive bidding environment.

Therefore, BLP and city staff recommend that BLP Board authorize Change Order #5 with TL Contracting of Lansing Michigan, in the not to exceed amount of $108,010.40 to fill in the east coal pile area as outlined in the proposed change order.

CHANGE ORDER NO.: 005

Owner:	City of Grand Haven	Owner's Project No.:	N/A
Engineer:	HDR Michigan, Inc.	Engineer's Project No.:	10337505
Contractor:	TL Contracting, Inc.	Contractor's Project No.:	N/A
Project:	Renew Harbor Island		
Contract Name:	Coal Yard Closure		
Date Issued:	8/12/2025	Effective Date of Change Order:	8/12/2025

The Contract is modified as follows upon execution of this Change Order:

Description:

- **Fill in coal yard stormwater pond area with 4-feet of Class II sand (approx. 6,500 CY).**

Attachments:

TL cost breakdown for Stormwater Area Fill services

Change in Contract Price	Change in Contract Times
Original Contract Price: $ 673,268.75	Original Contract Times: Substantial Completion: 06/27/2025 Ready for final payment: 07/25/2025
Increase from previously approved Change Orders: $ -50,105.50	Increase from previously approved Change Orders: Substantial Completion: 111 days Ready for final payment: 100 days
Contract Price prior to this Change Order: $ 623,163.25	Contract Times prior to this Change Order: Substantial Completion: 10/15/2025 Ready for final payment: 11/1/2025
Increase this Change Order: $ 108,010.40	Increase this Change Order: Substantial Completion: 0 Ready for final payment: 0
Contract Price incorporating this Change Order: $ 731,173.65	Contract Times with all approved Change Orders: Substantial Completion: 10/15/2025 Ready for final payment: 11/1/2025

Recommended by Engineer (if required)	Accepted by Contractor
By: Bryce Burkett	Tony Landosky
Title: Project Manager	President
Date: 8/12/2025	08/12/2025
Authorized by Owner	Approved by Funding Agency (if applicable)
By:	
Title:	
Date:	

TL Contracting Inc.

16803 Industrial Pkwy.

Lansing, MI 48906

tony@tlcontractinginc.org

(517) 669-0600, (517) 669-8919 fax

Grand Haven Coal Cleanup Additional Materials= 4'

Date	07/16/25	T&M? (Enter Y for Yes)	Y
Ordered By	HDR / Grand Haven	Office Reviewed (Office Use Only - Click for YES)	☑
Job Name	Coal Cleanup	Customer Order/Job No.	HDR / Grandhaven
Job Location	harbor Island coal cleanup		

Work Items and Tasks Completed This Day

City of Grand Haven would like cost to fill in east end of coal stockpile area, this area was left low and tends to hold water / and with remaining coal removed (Should be filled in to provide proper drainage. Cost for 4' of Class 2 sand = 6,500 cyds

EQUIPMENT	HRS.	RATE	AMOUNT	LABOR	HRS.	RATE	AMOUNT
Dozer, D4GL	30	$ 65.00	$ 1,950.00	Operator Regular	30.00	$ 90.59	$ 2,717.70
Service Viehcle - A Day	3	$ 100.00	$ 300.00	Operator Regular	30.00	$ 90.59	$ 2,717.70
		EQUIPMENT SUBTOTAL	$ 2,250.00			LABOR SUBTOTAL	$ 5,435.40

QTY	UNIT	MATERIAL	PRICE	AMOUNT	OTHER CHARGES	AMOUNT
6500	CYD	Class 2 Sand Deleiverd	$ 14.00	$ 91,000.00		
					OTHER SUBTOTAL	$ -
		MATERIAL SUBTOTAL		$ 91,000.00		

Problems, Significant decisions, Issues needing to be resolved: (Take Pictures)

Accidents, Injuries, Unusual Events (if none, state none)

TOTAL MATERIAL		$ 91,000.00
TOTAL LABOR		$ 5,435.40
TOTAL EQUIPMENT		$ 2,250.00
TOTAL OTHER		$ -
MARK UP	10%	$ 9,325.00
TOTAL		$ 108,010.40

SAFETY:

List Attendees	Topic:			

Complete this report DAILY. Submit weekly with time sheet. Attach all tickets, receipts, packing slips to each DAILY report.

City of Grand Haven
City Manager's Office
616-847-4888

MEMORANDUM

TO: BLP Board

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

FROM: Derek Gajdos – Project Management Director DG

DATE: August 6, 2025

SUBJECT: HDR Task Order 22 – CCR Data Collection Work Plan

The City's Renew Harbor Island project is moving into its final data collection phases with the recently 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 quarter of 2026. City staff and the City's Environmental Legal Counsel, reviewed the work plan prior to submission to EGLE. We believe this is the next and appropriate step to renewing harbor island and complying with all state and federal regulations.

Phase I will begin after authorization from the BLP and City Council and is anticipated to conclude by the end of 2025. Phase II and II are anticipated to be conducted in the first quarter of 2026. Authorization from the BLP and City Council for Phases II and III, are anticipated to be requested in December of 2025.

Task Order 22 splits out the CCR efforts of the Work Plan and includes the following:

- Investigating Impoundment Unit 3A/B for coal ash located outside the impoundment
- Deep surface soil investigations
- Shallow well installation and replacement
- Investigating Impoundment ½ for coal ash characterization

The work plan will be considered by City Council at its August 18, 2025 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 22, Task 32 with HDR of Ann Arbor Michigan in the not to exceed amount of $263,570.

August 6, 2025

Derek Gajdos
Program Management Director
City of Grand Haven
Grand Haven, MI 49417
dgajdos@grandhaven.org

Re: CCR Data Collection Work Plan Implementation - Task Order 22 for HDR Task 32
Former J.B. Sims Generating Station

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 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 scope amendment is for HDR to implement the Remedial Investigation Data Collection Work Plan, dated July 8, 2025, including the Limited PFAS Remedial Investigation Work Plan authored by WSP, dated July 1, 2025. The plan was approved by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) on July 09, 2025.

This scope of work is separated into two task orders to accommodate separating the budgeting and invoicing related to CCR and PFAS: Task Order 22 for HDR Task 32 (CCR Data Collection Work Plan Implementation) and Task Order 23 for HDR Task 33 (PFAS Data Collection Work Plan Implementation). However, the two Task Orders are intended to be implemented at the same time; HDR assumes that approval of will be granted for both Task Orders such that each can be implemented simultaneously.

The purpose of implementing the work plan is to gather site-specific information to support the remedial investigation and to aid in the design of the selected remedy. The following data collection tasks will be conducted in parallel with groundwater assessment monitoring under an existing scope. The remedial alternative data collection process will be phased to ensure only necessary information is collected. Additionally, data collected in earlier phases will be utilized in the development of later phase tasks.

This scope amendment covers Phase I Data collection and is generally broken down by Task Order based on the relevance of the activity to either CCR or PFAS, denoted by a "check mark":

Activity	CCR Related (Task Order 22)	PFAS Related (Task Order 23)
Unit 3A/B Impoundment Road Ash Investigation	✓	
Deep Subsurface Investigation	✓	✓
Shallow Monitoring Well Installation and Replacements	✓	✓
Units 1/2 Impoundment Ash Characterization	✓	
Phase 2 and 3 Planning and Scheduling	✓	✓
Surface Water Sampling		✓
PFAS Groundwater Sampling		✓
Underground Utility Survey		✓

PART 1.0 PROJECT DESCRIPTION:

HDR continues to support the City with environmental services related to the former Sims site. Task Order 22 will include funding for the following tasks as a continuation of our services:

Task #	Description
Task 32	Remedial Investigation Data Collection
Subtask 32.1	Unit 3A/B Impoundments Road Ash Investigation
Subtask 32.2	Deep Subsurface Investigation
Subtask 32.3	Shallow Monitoring Well Installation and Well Replacements
Subtask 32.4	Units 1/2 Impoundment Ash Investigation
Subtask 32.5	Phases 2 and 3 Planning and Scheduling

PART 2.0 SCOPE OF SERVICES

Subtask 32.1 Unit 3A/B Impoundments Road Ash Investigation

CCR disposal to the Unit 3A/B Impoundments ceased in 2020 and initial ash removal has been completed. However, EGLE raised concerns that ash may have extended onto surrounding roads, based on 2014 aerial imagery. EGLE's closure review noted that earlier documentation relied on limited sampling and requested more robust evidence to confirm that all ash has been removed.

HDR will conduct a focused investigation to determine whether coal ash remains along the former roadways adjacent to the closed Unit 3A/B impoundments (Figure 1).

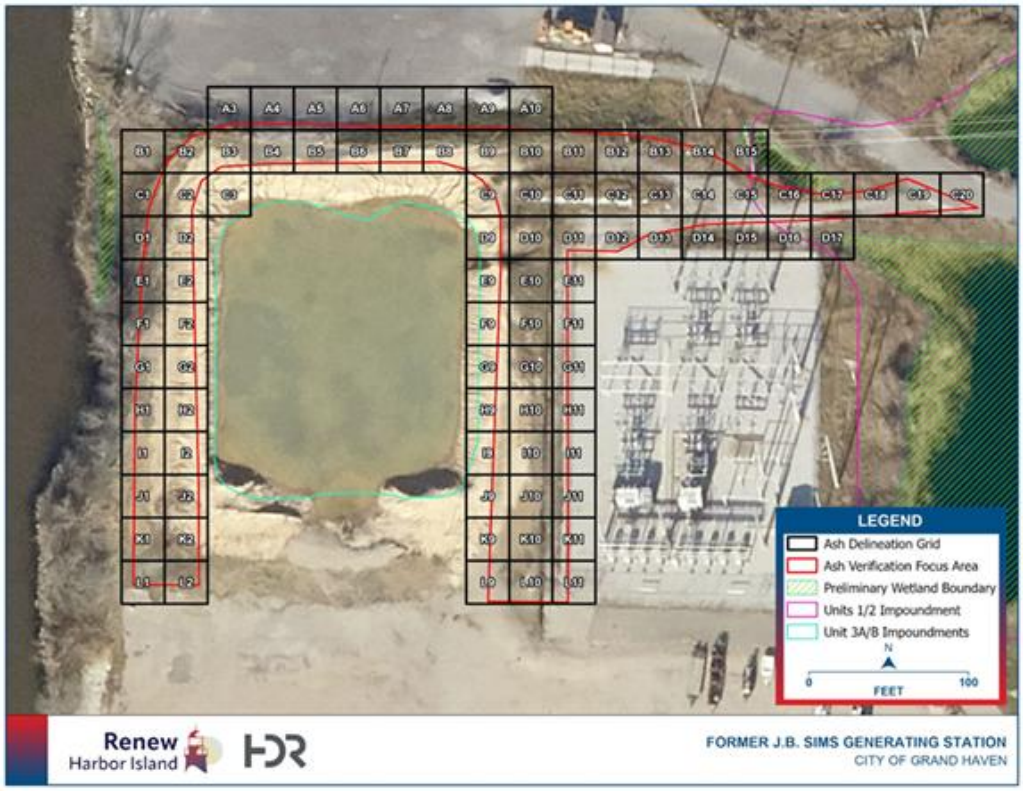


Figure 1 Unit 3A/B Ash Verification Focus Area grid

A two-person field team will establish a grid of 27-foot by 27-foot cells. Within each cell, the team will use a shovel or hand auger to expose soils to approximately 2 feet below ground surface and perform visual inspections to check for signs of remaining ash. If ash is observed, additional step-out probing will be conducted to determine its horizontal and vertical extent. Soil at each location will be photo documented.

The investigation is designed to provide EGLE with a clear and defensible assessment of whether any residual coal ash remains in the area. This work will help advance closure certification of the site.

Deliverable

A technical memorandum will summarize the findings of the ash delineation. The memorandum will include maps and tables of ash locations, depths, and descriptions of ash quantities within the focus area.

Schedule

The investigation is tentatively scheduled for September 2025. The field effort is anticipated to require 5 days for a two-person field team.

Meetings/Travel

Meetings are included in Task 32 as part of the project costs.

One 5-day field effort by two HDR personnel to establish the grid and collect samples.

Assumptions

- HDR assumes that the City surveyor will be made available to locate and reference the grid corners to the existing site survey.
- The City will provide one round of comments to HDR within two weeks of receiving the draft technical memorandum.
- Mechanical equipment (e.g., Geoprobe) may potentially be required if deeper or highly resistant materials are encountered. A contingency of $16,500 has been allocated and will be used, if needed.

Subtask 32.2 Deep Subsurface Investigation

Four deep soil borings will be advanced to gather information regarding the subsurface geology, specifically the depth and characteristics of the fine-grained (silt and/or clay) unit underlying the shallow sand aquifer. Previous borings indicate a fine-grained unit underlies the shallow sand aquifer, but its continuity, depth, and influence on groundwater movement requires better definition to understand vertical contaminant migration, to refine the site's hydrogeologic conceptual model, and to develop remedial designs.

Four borings (Figure 2: DB-01 to DB-04) will be advanced to approximately 70 feet below ground surface using hollow-stem augers. Soil will be continuously logged and sampled during drilling. Shelby tube geotechnical samples will be collected at borings DB-03 and DB-04 and analyzed for permeability (ASTM Method D5856) and grain-size (ASTM Methods D7928 and/or D6913). The results of these borings will clarify subsurface conditions and inform the evaluation of groundwater flow and containment strategies.

Figure 2 Proposed Locations of Deep Borings

Three of the four borings will be completed as monitoring wells. One well (MW-44B) will be completed in the fine-grained unit; monitoring well MW-09B and piezometer PZ-15B will be completed just above the fine-grained unit. The three new monitoring wells will be paired with existing shallow monitoring wells (Figure 3).

Figure 3 Proposed Deep/Shallow Well Pairs

The three new wells will be constructed of 2-inch diameter, Schedule 40 polyvinyl chloride (PVC) materials with a 5-foot long stainless-steel wire-wrapped well screen. The screen length will be 5 or 10 feet, depending on observed geology. Filter sand will be placed from screen bottom to two feet above the top of the screen, and the remaining annulus will be grouted to the surface. Monitoring wells will be completed at the surface with an above-ground, protective steel casing secured in a 2-foot by 2-foot cement pad. The wells will be developed using airlift methods by the driller with an HDR representative onsite to record development progress. Development will be conducted in accordance with approved Standard Operating Procedures and monitored using a water quality meter (YSI or similar) and a turbidity meter.

The three new monitoring wells will be slug tested to estimate the hydraulic conductivity of the screened lithology. Well MW-44B is expected to be completed in fine-grained sediments with low hydraulic conductivity. Wells MW-09B and PZ-15B are expected to be completed primarily in the coarse-textured sediments (i.e., sand).

Following development, each well will be sampled by HDR and analyzed by Trace Analytical Laboratories in Muskegon, MI for the constituents in **Table 1**. The results of the sampling

will be evaluated to determine if CCR constituents exceed groundwater protection standards.

Table 1. Groundwater Quality Parameters for Analysis	
Antimony	Lithium
Arsenic	Mercury
Barium	Molybdenum
Beryllium	Nickel
Boron	pH
Cadmium	Radium 226 and 228 combined
Calcium	Selenium
Chloride	Silver
Chromium	Sulfate
Cobalt	Thallium
Copper	Total Dissolved Solids (TDS)
Fluoride	Vanadium
Iron	Zinc
Lead	Total Suspended Solids (TSS)

Deliverables

- Details of the monitoring well installation and slug testing will be documented through updated revisions to the Monitoring Well Installation Report; the Hydrogeologic Monitoring Plan; and the Groundwater Monitoring Certification Report. Boring logs, updated cross sections, and results of the geotechnical analysis will be included as required in the reports. Note that these same documents will be revised with additional new wells installed during Subtask 32.3.
- The results of groundwater analytical testing will be included in the subsequent quarterly Groundwater Monitoring Report.

Schedule

- The investigation is tentatively scheduled for October 2025 and will be performed concurrently with Subtask 32.3 (shallow monitoring well installation). The field effort for the well installation is anticipated to require approximately two weeks for one field staff.
- The slug testing and groundwater sampling will occur approximately 2 weeks after well installation. The field effort for the well sampling and slug testing is anticipated to require approximately three days for two field staff and will be performed concurrently with Subtask 32.3

Meetings/Travel

- Meetings are included in Subtask 32.2 as part of the project costs.
- Subtask 32.2 will be completed concurrently with Subtask 32.3. Two mobilizations will be required between the two subtasks; the first mobilization for a two-week drilling program, and the second for the subsequent sampling and slug testing effort. Additional travel time is set aside for coordinating and meeting with utility clearance contractors and subcontractors.

Assumptions

- HDR assumes that the City surveyor will be made available to survey new well locations and elevations.
- HDR assumes that monitoring well permits may be required by the Ottawa County Health Department, and that permit fees ($975 for 3 wells) will be paid directly by the City.
- HDR will contract with a Ground-Penetrating Radar (GPR) subcontractor to support subsurface utility clearance. HDR will mark proposed drilling locations in the field, and answer questions from utility clearance contractors. The drilling subcontractor will be responsible for a one-call utility notification.
- The cost estimate includes the cost of analytical services from Trace Analytical Laboratory. Analytical services will include three groundwater samples, a duplicate sample, an atmospheric field duplicate, an equipment blank, and MS/MSD volume. The QC samples (duplicate sample, field blank, and equipment blank) will be shared with the Subtask 32.3 analytical program if performed concurrently.
- The City will provide one round of comments to HDR within two weeks of receiving the draft report revisions (Monitoring Well Installation Report, Hydrogeologic Monitoring Plan, and Groundwater Monitoring Certification Report).
- To facilitate locating the borings/monitoring wells, HDR may need to retain the services of a private utility locate company. HDR has allocated $1,500 for this service. HDR will communicate with the City once the actual amount is determined based on the area needed for utility clearance. HDR will adjust the scope fee based on the actual amount used for this service.
- The estimated costs for Subtask 32.2 (Task Order 22) have been split with Task Order 23 at a 67/33 ratio, on the basis of two of the three new monitoring wells will be installed and sampled to monitor groundwater constituents of CCR, and one new well will monitor PFAS in groundwater.

Subtask 32.3 Shallow Monitoring Well Installation and MW-01R/MW-04 Replacement

Four new monitoring wells will be installed in response to recent exceedances of Groundwater Protection Standards (GPS) observed in nature and extent wells during quarterly sampling events in 2024. The new wells will be located downgradient of known

impacts at both the Units 1/2 and 3A/B impoundments (Figure 4). Additionally, existing wells MW-01R and MW-04 will be replaced due to coal ash having been logged in saturated soils just above the screened intervals of the wells.

Figure 4 Proposed Locations of New Shallow Monitoring Wells

The expanded network includes the formal addition of existing wells MW-13 and MW-39 to the quarterly groundwater monitoring network in the third quarter of 2025. New monitoring wells MW-41 through MW-43 will also be added to the quarterly monitoring network following installation. New monitoring wells MW-43 and MW-44 will also support PFAS monitoring (Task 33).

The six new wells (four new locations, MW-41 through MW-44: and two replacement wells, MW-01R and MW-04) will be constructed of 2-inch diameter, Schedule 40 polyvinyl chloride (PVC) materials with 5-foot long stainless-steel wire-wrapped well screen. The screen length will be 5 or 10 feet, depending on observed geology. Well depths will be on the order of 20 feet below grade, depending on the borehole's lithology. Filter sand will be placed from screen bottom to two feet above the top of the screen, and the remaining annulus will be grouted to the surface. The monitoring wells will be completed at the surface with an above-ground, protective steel casing secured in a 2-foot by 2-foot cement pad. The wells will be developed using airlift methods by the driller with an HDR representative onsite to record

development progress. Development will be in accordance with approved Standard Operating Procedures and monitored using a water quality meter (YSI or similar) and a turbidity meter.

The six wells will be slug tested to estimate the hydraulic conductivity of the screened lithology.

Following development, groundwater from three of the four new wells (excluding well MW-44B), plus the two replacement wells (MW-01R and MW-04) will be sampled by HDR and analyzed by Trace Analytical Laboratories in Muskegon, MI for the constituents in **Table 1** (a total of five groundwater samples). The results of the sampling will be evaluated to determine if CCR constituents exceed groundwater protection standards.

Deliverables

- Details of the monitoring well installation and slug testing will be provided through revisions to the Monitoring Well Installation Report; the Hydrogeologic Monitoring Plan; and the Groundwater Monitoring Certification Report.
- The three reports (Monitoring Well Installation Report, the Hydrogeologic Monitoring Plan, and the Groundwater Monitoring Certification Report) will only be updated once, with new well information from both Subtasks 32.2 and 32.3.
- The results of groundwater analytical testing will be included in the subsequent quarterly Groundwater Monitoring Report.

Schedule

- The investigation is tentatively scheduled for October 2025 and will be executed concurrently with Subtask 32.2 (deep monitoring well installation). The shallow well installations and monitoring well replacement effort is anticipated to require approximately four days for one field staff.
- The slug testing and groundwater sampling will occur approximately 2 weeks after well installation. The field effort for the well sampling and slug testing is anticipated to require approximately three days for two field staff (total of 5 days when including deep monitoring wells installed and tested under Subtask 32.2).

Meetings/Travel

- Meetings are included in Subtask 32.3 as part of the project costs.
- Subtask 32.3 will be completed concurrently with Subtask 32.2. Two mobilizations will be required between the two subtasks; the first mobilization for a two-week drilling program which is expected to last 10 days, and the second for the subsequent sampling and slug testing effort which is expected to last 5 days. Additional travel time is set aside for coordinating and meeting with utility clearance contractors and subcontractors.

Assumptions

- HDR assumes that the City surveyor will be made available to survey new well locations and elevations.
- HDR assumes that monitoring well permits may be required by the Ottawa County Health Department, and that permit fees ($1,950 for 6 wells) will be paid directly by the City.
- HDR will contract with a Ground-Penetrating Radar (GPR) subcontractor to support subsurface utility clearance. HDR will mark proposed drilling locations in the field, and answer questions from utility clearance contractors. The drilling subcontractor will be responsible for a one-call utility notification.
- The cost estimate includes the cost of analytical services from Trace Analytical Laboratory. Analytical services for Subtask 32.3 will include five groundwater samples, a duplicate sample, an atmospheric field duplicate, an equipment blank, and MS/MSD volume. The QC samples (duplicate sample, field blank, and equipment blank) will be shared with the Subtask 32.2 analytical program if performed concurrently.
- The City will provide one round of comments to HDR within two weeks of receiving the draft report revisions (Monitoring Well Installation Report, Hydrogeologic Monitoring Plan, and Groundwater Monitoring Certification Report).

Subtask 32.4 Units 1/2 Impoundment Ash Characterization

Additional sampling and analysis will be performed to better characterize ash and ash-bearing sediments remaining within the Units 1/2 Impoundment. Previous sampling efforts were completed by various consultants but those analyses did not include the full suite of constituents required under current State CCR regulations. Subtask 32.4 will fill that data gap by providing updated chemical and physical property data for both solid and pore water phases.

Nine ash samples and nine pore water samples will be collected to meet EGLE's minimum requirements for statistical analysis (Figure 5). Sampling will target three distinct areas of the unit: the northern and southern ponds (where ash was historically observed up to 2 feet below pond bottom) and the eastern wetlands (where ash occurs intermittently up to 14 feet deep). Hand tools will be used for shallow sampling around the pond edges, while a Vibracore sampler will be used to collect deeper samples in the wetland area.

Prior to field work, HDR will prepare a Joint Permit Application (JPA), Category X (Soil Borings). The JPA will identify proposed drilling locations (Figure 5). It is expected that a site walk with EGLE staff will be necessary to have the JPA approved prior to field activities.

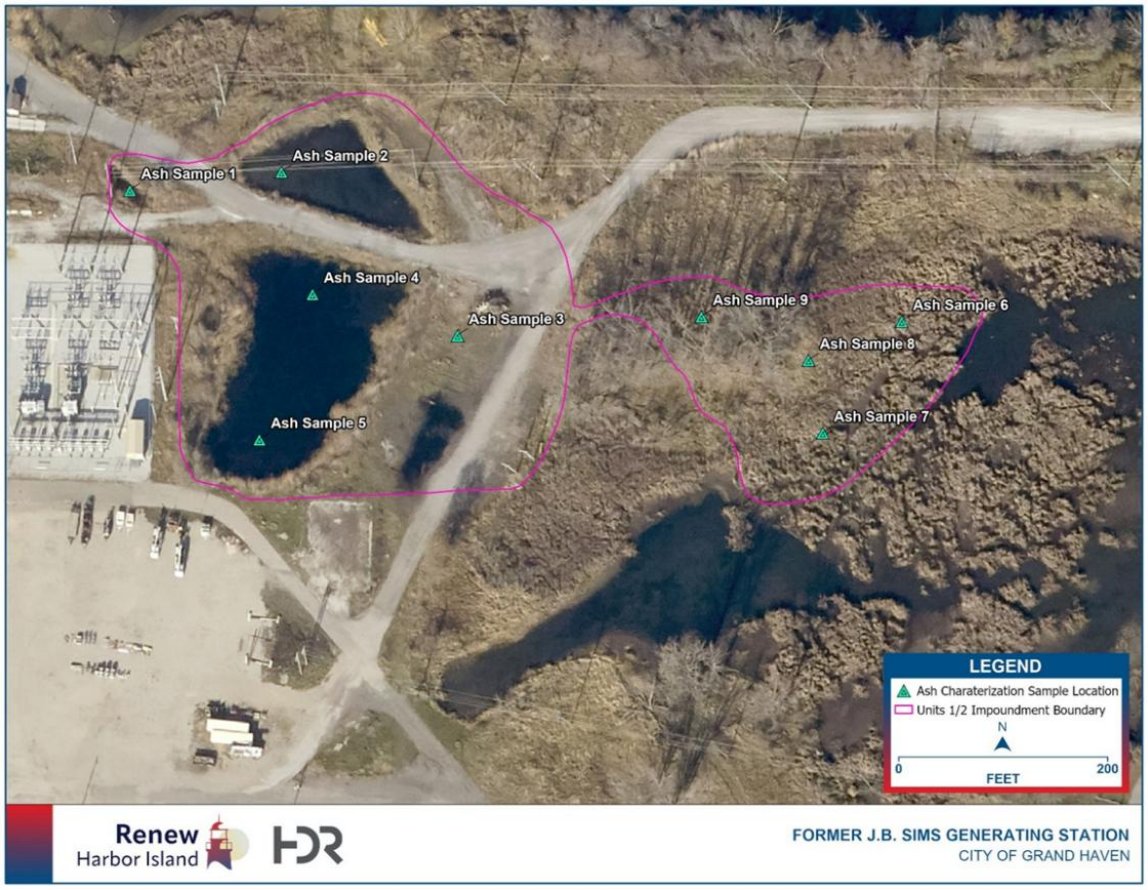


Figure 5. Proposed Locations of Ash and Pore Water Samples

Mechanical equipment (e.g., Geoprobe) may potentially be required to obtain ash and/or ash-bearing sediment samples if deeper or highly resistant materials are encountered.

Pore water samples will be collected from each ash sampling location using PushPoint™ samplers (Henry sampler) to determine in-situ groundwater concentrations of key analytes.

Analytical Program

Ash and pore water samples will be analyzed by Trace Analytical Laboratories in Muskegon, Michigan.

Each ash sample will be analyzed for total metals, leachability (via TCLP and SPLP), and other constituents identified in Table 2. Selected samples will also be provided to contractors for future bench-scale physical testing in support of potential in-situ stabilization (ISS) design.

Table 2. Ash Characterization Methods and Analytes			
Soil - Total Metals Analysis	Soil – TCLP Analysis	Soil – SPLP Analysis	Pore Water – Metals Analysis
Metals (Method SW 6020A) - mg/Kg	Metals (Method SW-846 or equivalent) – mg/Kg	Metals (ASTM 1320) - mg/Kg	Metals (EPA 200.7) - mg/L
Aluminum	Aluminum	Aluminum	Antimony
Antimony	Antimony	Antimony	Arsenic
Arsenic	Arsenic	Arsenic	Barium
Barium	Barium	Barium	Beryllium
Beryllium	Beryllium	Beryllium	Boron
Boron	Boron	Boron	Cadmium
Cadmium	Cadmium	Cadmium	Calcium
Calcium	Calcium	Chromium	Chromium
Chromium	Chromium	Cobalt	Cobalt
Cobalt	Cobalt	Copper	Copper
Copper	Copper	Iron	Lead
Iron	Iron	Lead	Lithium
Lead	Lead	Lithium	Molybdenum
Lithium	Lithium	Manganese	Nickel
Manganese	Manganese	Molybdenum	Selenium
Molybdenum	Molybdenum	Nickel	Silver
Nickel	Nickel	Selenium	Thallium
Selenium	Selenium	Silver	Vanadium
Silver	Silver	Thallium	Zinc
Thallium	Thallium	Vanadium	Metals (EPA 200.7) - mg/L
Vanadium	Vanadium	Zinc	Mercury
Zinc	Zinc	Mercury	Metals (EPA 300) - mg/L
Mercury (Method SW 7471B) - mg/Kg	Total Sulfate	Fluoride	Chloride
Mercury		Moisture (%)	Iron
Fluoride (Method A4500) - mg/Kg			Sulfate
Fluoride			Metals (EPA 9056) - mg/L
Moisture (%)			Fluoride
			Metals (EPA SM2540C) - mg/L
			Total Dissolved Solids
			Metals (EPA SM2540D) - mg/L
			Total Suspended Solids
			Inorganics ASTM 7511
			Cyanide
			EPA 335.4 Rev 1.0
			Ammonia

Deliverable

- A technical memorandum will summarize the findings of the ash-sampling program.

Schedule

- The investigation is tentatively scheduled for November 2025. The field effort for the sampling program is expected to require approximately three days for two field staff.

Meetings/Travel

- Meetings are included in Subtask 32.4 as part of the project costs.
- One field mobilization will be required.

Assumptions

- HDR assumes that the City surveyor will be made available to survey the sampled locations.
- HDR's proposed cost assumes that a Geoprobe subcontractor will not be required to complete the investigation, but $8,000 has been set aside as contingency if mechanized sample collection (Geoprobe mobilization and utility clearance) is required.
- HDR will be responsible for one-call utility clearance, marking the locations of proposed borings, and coordinating site visits if required by a one-call contractor.
- The cost estimate includes the cost of analytical services from Trace Analytical Laboratory. The analytical services include 9 soil/ash samples for total metals, metals by TCLP and SPLP leaching, and select ions and physical parameters (Table 2); and 9 pore water samples for total metals including low-level mercury, and select ions and general chemistry parameters (Table 2).
- The City of Grand Haven will provide one round of comments to HDR within two weeks of receiving the draft technical memorandum.

Subtask 32.5 Phase 2 and 3, Planning and Schedule

Phase 2 of the Remedial Investigation Data Collection Work Plan consists of the following tasks:

- A constant-rate aquifer test to characterize aquifer properties, and create a dataset for transient calibration of a groundwater model.
- A topographic and bathymetric survey of Harbor Island, to support estimating land surface areas and volumes related to potential remedial alternatives.

Phase 3 of the Remedial Investigation Data Collection Work Plan consists of the following tasks:

- A groundwater model estimating contaminant fate and transport to support the development of remedial alternatives.
- A wetland function assessment to quantify the value of wetland resources, in support of selecting remedial alternatives.

The groundwater model requires a significant degree of planning with respect to its domain (area of study), its objectives, and its calibration. An aquifer pumping test is a common source of hydrologic data needed to inform the model, and also a common data source for a transient (time-series) calibration of the model. However, given the PFAS contamination at the site, groundwater withdrawn may require treatment for PFAS prior to its discharge elsewhere on the island, potentially making groundwater discharge impractical.

The purpose of this task is to review modeling objectives, and to determine the best methodologies for obtaining the hydrologic data needed to support these objectives. Data collected during the first five subtasks in this current scope of work will be integral to more accurately pricing tasks such as the aquifer test (i.e., depth, diameter, and location of a test well; length of test; selecting monitoring targets), and evaluating whether another form of data collection such as slug testing could potentially be recommended given the likely complications related to PFAS contamination of the groundwater.

Concurrently with the aquifer test planning and the development of new data from the Phase 1 tasks, a medium-term to long-term formal project schedule (i.e., Gantt chart) will be developed. The task schedule will be integrated into the existing generalized schedule, and will be used for upcoming City meetings and stakeholder public forums.

Deliverable

- A technical memorandum will summarize plans for aquifer testing and modeling.
- A Gantt chart and a presentation will be developed outlining upcoming tasks over the next 2 to 4 years of the project.

Schedule

- The planning effort will be performed currently with the scope of field services presented in this proposal.

Meetings/Travel

- Meetings are included in Subtask 32.5 as part of the project costs. No travel is anticipated.

Assumptions

- The City of Grand Haven will provide one round of comments to HDR within two weeks of receiving the draft aquifer test and modeling plan (technical memorandum).
- A Gantt chart and presentation deck will be delivered to the City during a 2-hour meeting, during which time the City will provide feedback. HDR will prepare a revised final Gantt chart and presentation materials within 2 weeks of the meeting.
- The estimated costs for Subtask 32.5 have been split with Task Order 23 at a 50/50 ratio, on the basis of planning a holistic approach for future phases of the project which include PFAS as well as CCR.

PART 3.0 OWNER'S RESPONSIBILITIES:

- Provide HDR's Team access to site
- Coordinate with the City's surveyor

PART 4.0 PERIODS OF SERVICE:

- HDR anticipates that these services will be performed through June 30, 2026. A detailed schedule will be developed as part of this scope of services.

PART 5.0 ENGINEER'S FEE:

The Engineering Fee presented below is based on the 2025 Rate Schedule previously provided by HDR to the City of Grand Haven with a 3% escalation from 2025 billing rates to determine 2026 billing rates.

TASK ORDER 22						
Task #	**Task Description**	**Hours**	**Labor**	**Subcontractors**	**Expenses**	**Total**
32.1	**Unit 3A/B Impoundments Road Ash Investigation**	268	$43,794	$16,500	$1,700	$61,994
32.2	**Deep Subsurface Investigation**	177	$29,689	$32,155	$1,407	$63,251
32.3	**Shallow Monitoring Well Installation**	201	$35,198	$36,967	$1,190	$73,354
32.4	**Units 1/2 Impoundment Ash Characterization**	188	$31,166	$12,676	$3,793	$47,634
32.5	**Phase 2 and 3 Planning**	71	$17,337	-	-	$17,337
	Subtotal	**905**	**$157,184**	**$98,298**	**$8,090**	**$263,570**

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.

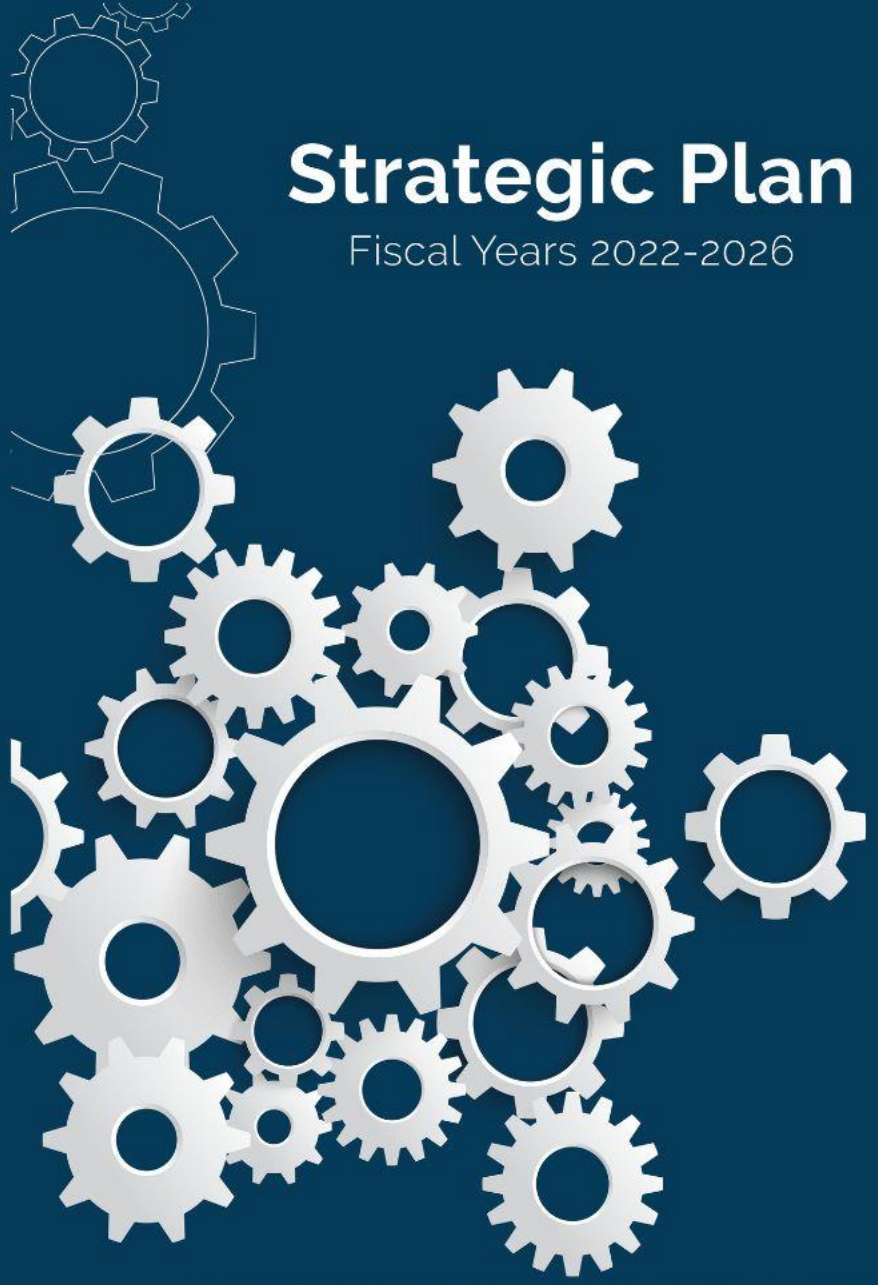
Approval

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.

ENGINEER (Approval required by all listed below)		**CLIENT** (Approval required by authorized signatory)	
Project Manager Lara Zawaideh, PE ENV SP *Associate Vice President | Area Business Development Leader*	**Date**	**Authorized Signatory:** Robert Monetza *Mayor*	**Date**
Authorized Signatory: Khaled S. Soubra, PhD, PD, LEED AP *Vice President | Michigan Area Manager*	**Date**	**Authorized Signatory:** Maria Boersma *City Clerk*	**Date**

Strategic Plan

Fiscal Years 2022-2026



Grand Haven Board of Light & Power

Our Mission & Core Values

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

Our core values are to:

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

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

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

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

Strategic Priorities

Financial Management

Strategic Objective:

GHBLP will operate in a manner that manages financial resources to provide rate stability, customer value, and appropriately address risks.

Specific Areas of Focus:

- Cash reserve management
- Bonding processes
- Financial policies
- Rate setting practices
- Inventory and purchasing
- Financial monitoring and reporting
- Budgeting and capital planning
- Addressing unfunded liabilities

Goals:

- Implement a 5-year rate plan
- Maintain minimum cash reserves consistent with board approved policy
- Achieve and maintain bond ratings
- Enhance processes for capital/ operating budgeting annually

Implement a 5-year rate plan

- Contracted with Utility Financial Solutions for a rate study in 2025
- Finalized with Board approval adjustment in rates
  - Rate increases were revenue neutral overall
  - Increased Service charges
  - Decreased Energy charges
  - Increasing the base power cost to $.69/kwh
  - Slight adjustment from general service secondary to general service large secondary
  - Implement State of Michigan mandated program surcharges in 2025

Average Residential Bill	Before		After	
1 Service Charge		$ 15.00		$ 20.00
2 kWh Charge	580 kWh @ 0.1144	66.35	580 kWh @ 0.1157	67.11
3 PSCA	580 kWh @ 0.01294	7.51	580 kWh @ 0.0029	1.68
4 Environmental Remediation Surcharge	580 kWh @ 0.0035	2.03	580 kWh @ 0.0035	2.03
Total Electric Charges		**$ 90.89**		**$ 90.82**
5 Low-Income Energy Assistance (effective 09/25)		NA		$ 0.41
6 MI Energy Waste Reduction (effective 12/25)		NA		$ 2.00
State Tax 4%		3.64		3.71
Total Charges		**$ 94.52**		**$ 96.94**

Maintain minimum cash reserves consistent with board approved policy

- Minimum unrestricted cash reserve set at $18,000,000 on May 25,2023 and board approved.
  - Cash balance Jun 30, 2023, $19,055,755
  - Cash balance Jun 30, 2024, $23,281,715
- Cash reserve policy revised and approved on July 17,2025. Policy uses two methods including analysis of several risk factors and using Standard and Poor's Global AA rating of 150-270 days of operating cost.
  - Cash balance Jun 30, 2025, $28,602,575

RESOLUTION OF THE GRAND HAVEN BOARD OF LIGHT & POWER

TO SET MINIMUM UNRESTRICTED CASH RESERVE POSITION AT $18,000,000

WHEREAS THE BOARD OF LIGHT AND POWER BELIEVES IT IS BEST PRACTICES TO REQUIRE A MINIMUM CASH RESERVE TO ENSURE FUNDS EXIST TO PAY EXPENSES, FUND CAPITAL IMPROVEMENTS TO MAINTAIN SYSTEM RELIABILITY, AND FUND CURRENT AND FUTURE LIABILITIES; AND,

WHEREAS THE BOARD OF LIGHT & POWER HAS PROJECTED RESERVE FUNDS NEEDED FOR THE NEXT FIVE YEARS TO MEET THIS REQUIREMENT.

NOW THEREFORE BE IT RESOLVED THE BOARD OF LIGHT AND POWER HAS BEEN ADVISED BY RATE CONSULTANTS AND THE MICHIGAN PUBLIC POWER AGENCY OF CRITERIA THAT SHOULD BE USED TO DETERMINE AN ADEQUATE MINIMUM RESERVE; AND,

BE IT FURTER RESOLVED THE BOARD OF LIGHT AND POWER WILL MAINTAIN A MINIMUM OF $18,000,000 IN UNRESTRICTED CASH RESERVES UNTIL SUCH TIME AS THIS LEVEL IS REVISED BY THE BOARD.

FY 2026 Calculation

Recommended MINIMUM Reserves	Annual Cost	Percent Allocated	Minimum Reserve
Operations and Maintenance Risk	9,131,106	12.3%	1,123,126
Power Supply Risk	20,006,655	15.6%	3,117,918
Historical Investment Risk	65,446,915	1.0%	654,469
Debt Service Risk	2,400,000	100.0%	2,400,000
Five-Year Capital Plan Risk	26,505,000	20.0%	5,301,000
MPIA Deposit	800,000	100.0%	800,000
MPPA Deposits additionally needed	3,117,918		617,918
Recommended MINIMUM Reserves			$ 14,014,431

FY 2026 Calculation

Recommended MINIMUM Reserves		
Annual Operating Cost	29,137,761	
Daily Operating Cost	79,829	
	150 Days	270 Days
Recommended MINIMUM Reserves	$11,974,422	$21,553,960

Achieve and maintain bond rating ❌

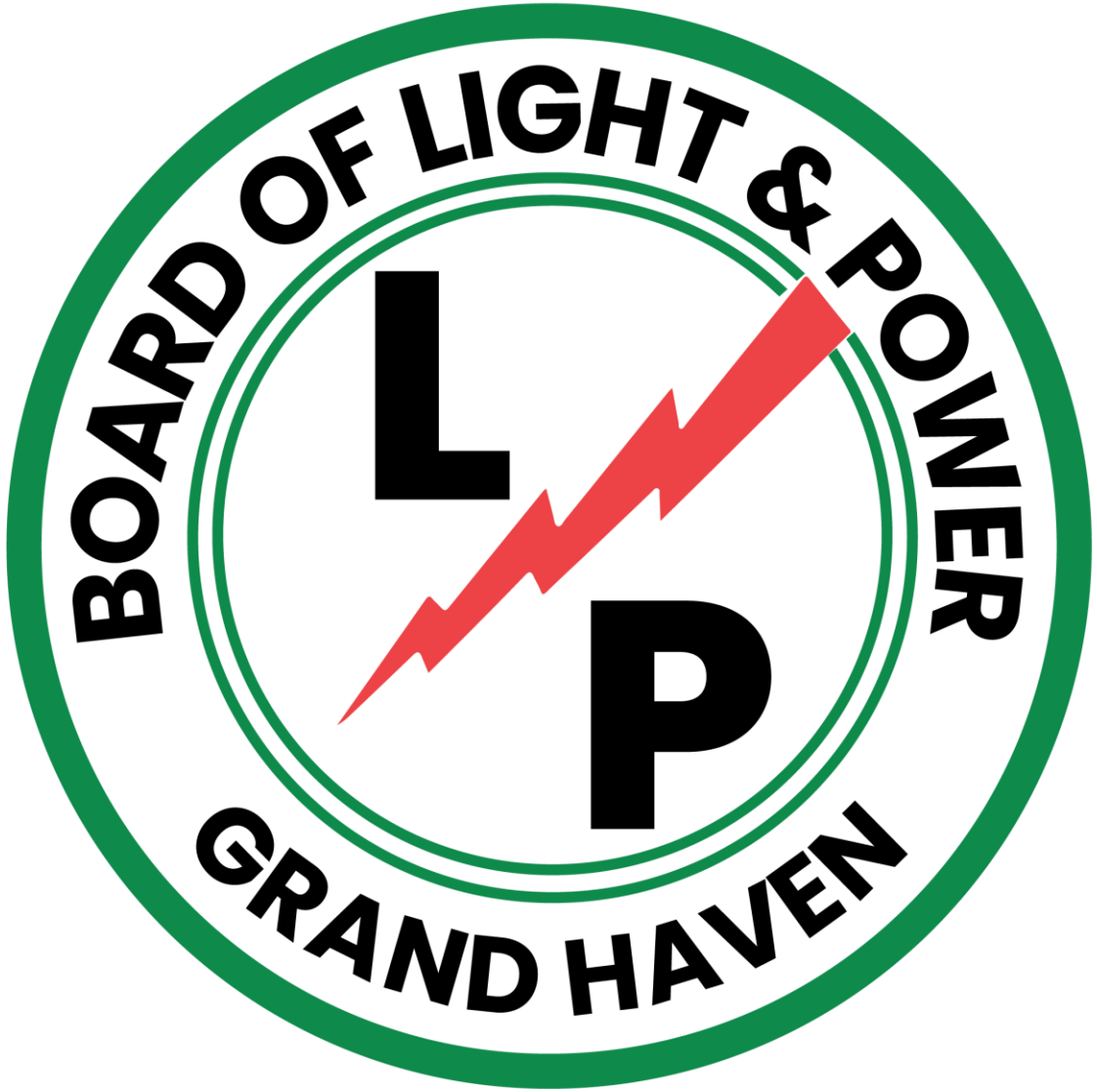
- This goal was not completed.
- After the removal of the operations center and local generation from the strategic plan in September of 2021, the bond rating was no longer needed.
- An alternative bonding option called a Direct Purchase was utilized for $25,000,000 and it did not require a bond rating.

Enhance processes for capital/operating budgeting annually

Continuous improvement of performance is one of our core values

- Streamlining the budget cycle by sharing files
- Utilizing outside resources for rate, load and purchased power budgeting
- Offering flexible timelines to accommodate changes and updates
- Improve collaboration across departments
- Compile and communicate details behind numbers to all applicable staff
- Analyze variances to identify areas of improvement

Key Accounts - 2025



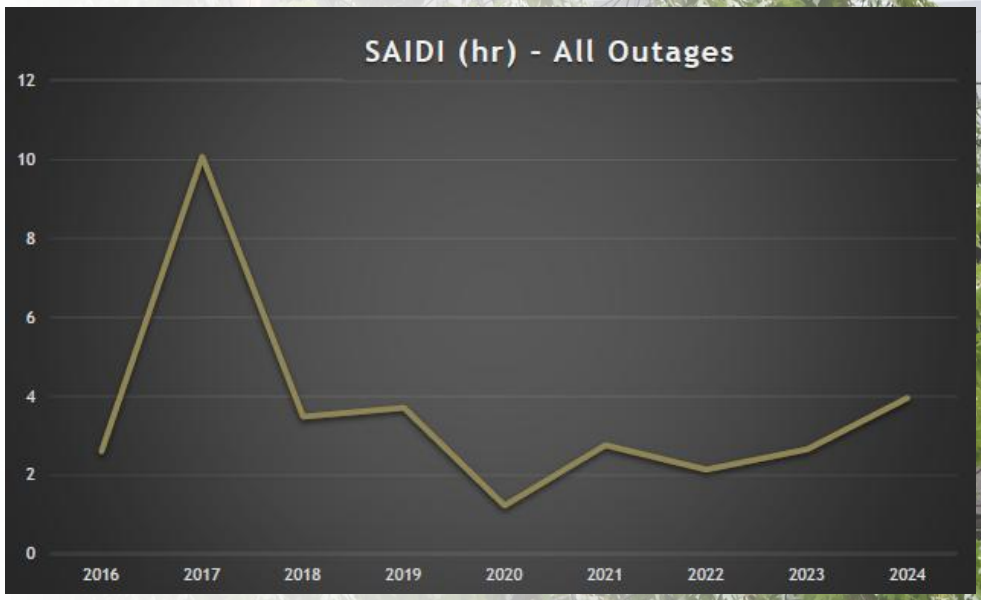
Robert Shelley P.E.
General Manager

GHBLP Stats:

- Created 1896
- 15,000 Customers
- 22.2 Square Miles
  - City of GH, Ferrysburg, Spring Lake Twp, GH Twp, Robinson Twp
- 4 Substations
- 13 Miles of Transmission Lines
- 112 Miles of Overhead Lines
- 76 Miles of Underground Lines

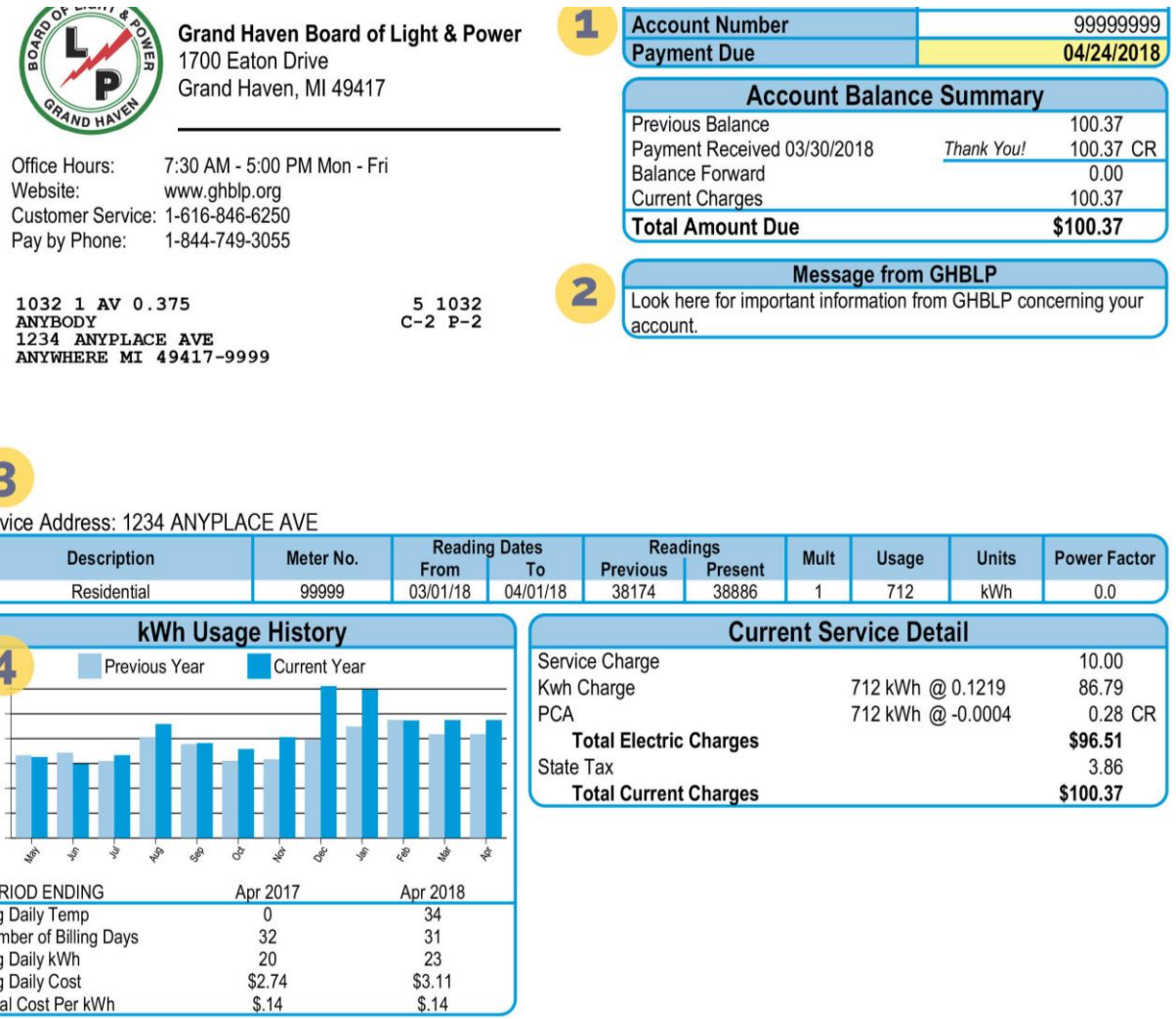
Reliability

- APPA RP3 Awards
  - 2021 – 2024
  - 2024 – 2027
- APPA Safety Awards
  - 2021
  - 2023
  - 2024
- 2023 Outage hours: 2.65
  - 2023 MI Avg: 5.07



Affordability

- Community Owned Not for Profit
- Lower Rates
  - >28% on Residential (8th in Michigan 2023)
  - >16% on Commercial & Industrial
- Financial Management
  - Adequate Cash Reserves
  - Diversified Power Portfolio
- $17M Reserved for Harbor Island
  - CCR Remediation
- Revenue Neutral Rates for 2025
  - LIEAF Surcharge ($0.41 per meter)
  - EWR Surcharge
    - $2.00 Residential to $700 Industrial



Grand Haven Board of Light & Power
1700 Eaton Drive
Grand Haven, MI 49417

Office Hours: 7:30 AM - 5:00 PM Mon - Fri
Website: www.ghblp.org
Customer Service: 1-616-846-6250
Pay by Phone: 1-844-749-3055

1032 1 AV 0.375 5 1032
ANYBODY C-2 P-2
1234 ANYPLACE AVE
ANYWHERE MI 49417-9999

1

Account Number	99999999
Payment Due	04/24/2018

Account Balance Summary

Previous Balance		100.37
Payment Received 03/30/2018	*Thank You!*	100.37 CR
Balance Forward		0.00
Current Charges		100.37
Total Amount Due		**$100.37**

2

Message from GHBLP
Look here for important information from GHBLP concerning your account.

3

Service Address: 1234 ANYPLACE AVE

Description	Meter No.	Reading Dates From	Reading Dates To	Readings Previous	Readings Present	Mult	Usage	Units	Power Factor
Residential	99999	03/01/18	04/01/18	38174	38886	1	712	kWh	0.0

kWh Usage History

4

PERIOD ENDING	Apr 2017	Apr 2018
Avg Daily Temp	0	34
Number of Billing Days	32	31
Avg Daily kWh	20	23
Avg Daily Cost	$2.74	$3.11
Total Cost Per kWh	$.14	$.14

Current Service Detail

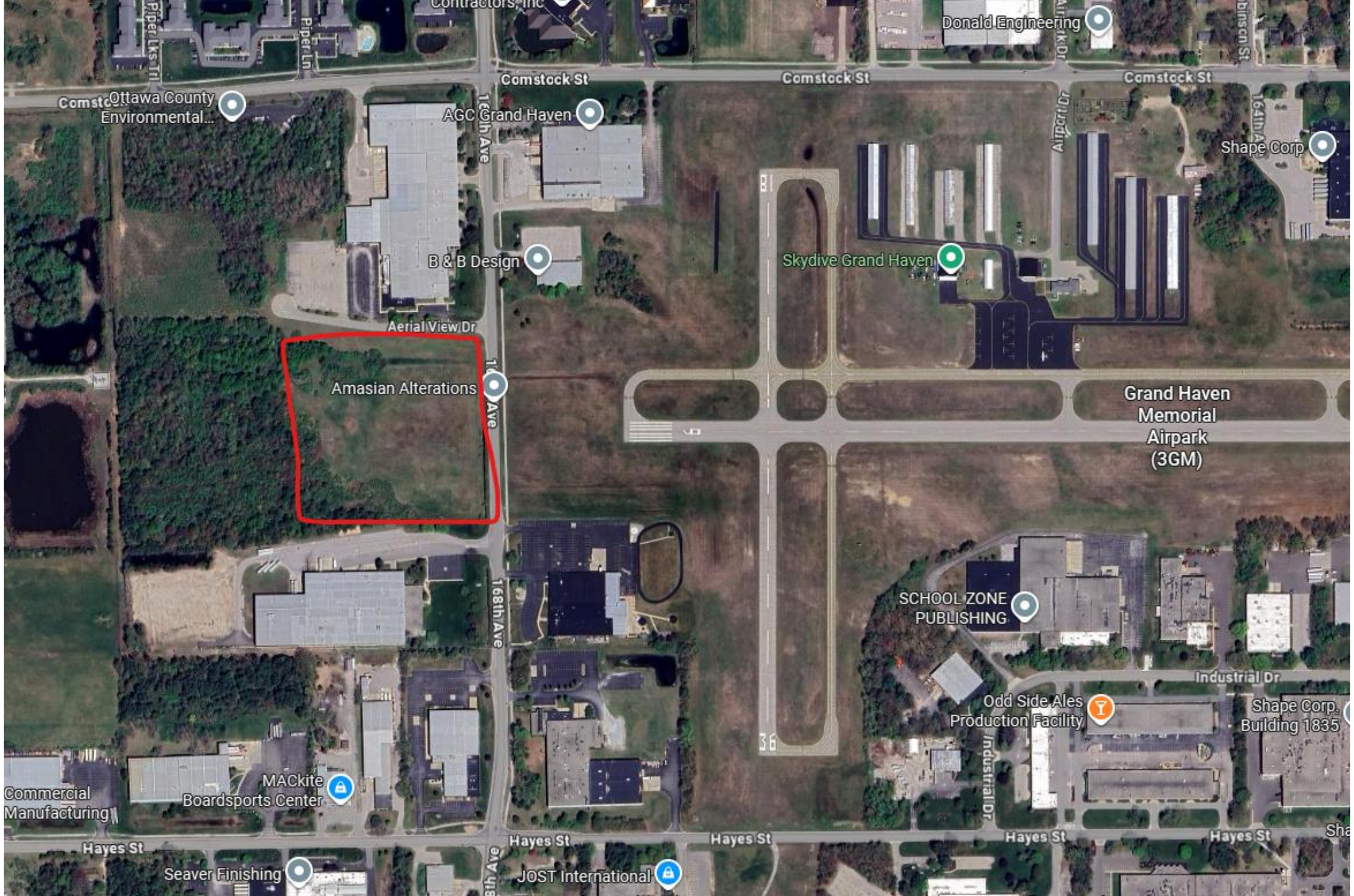
Service Charge		10.00
Kwh Charge	712 kWh @ 0.1219	86.79
PCA	712 kWh @ -0.0004	0.28 CR
Total Electric Charges		**$96.51**
State Tax		3.86
Total Current Charges		**$100.37**

Sustainability

- Currently 26% Green Energy
- 30% Renewable by 2027
- Energy Waste Reduction
  - State Program for 2026
  - 1.5%kWh Savings/yr
  - EWR Surcharge
- Green Energy Rider
  - $0.80 per 100kWh
- Community Solar Garden
- Resource Adequacy

Community Solar

- Identify Sites
- Review Funding Sources
- Project Feasibility
  - Economics
  - Customer Participation


Contractors, Inc
Donald Engineering
Piper Lks Trl
Piper Ln
Comstock St
Comstock St
Comstock St
Ottawa County Environmental...
AGC Grand Haven
16th Ave
Airport Dr
164th Ave
Shape Corp
B & B Design
Skydive Grand Haven
Aerial View Dr
Amasian Alterations
16th Ave
Grand Haven Memorial Airpark (3GM)
SCHOOL ZONE PUBLISHING
168th Ave
Industrial Dr
Odd Side Ales Production Facility
Shape Corp. Building 1835
Industrial Dr
MACkite Boardsports Center
Commercial Manufacturing
Hayes St
Hayes St
Hayes St
Hayes St
Seaver Finishing
168th Ave
JOST International

25/26 Projects

2025

- West Spring Lake Rd Rebuild
- Harbor Dr Underground
- Beechtree Rebuild
- Robbins/Wisconsin Rebuild
- Coal Yard Cleanup

2026

- Grand Ave
- Beechtree/Waverly Area
- Ckt 21 & 22 Rebuild (2 yr project)

Contact Info

Grand Haven BLP Website:

ghblp.org

Customer Service:

616-846-6250

customerservice@ghblp.org

Office:

1700 Eaton Drive

Grand Haven

Hours: 8:00 – 5:00 M - F