

Wakefield Municipal Gas and Light Department

Board of Commissioners



April 8, 2025

<p style="text-align: center;"><u>NOTICE OF MEETING</u> <u>WAKEFIELD MUNICIPAL LIGHT & GAS DEPARTMENT</u> <u>BOARD OF COMMISSIONERS</u></p>
--

DATE: April 8, 2025
CALL TO ORDER: 6:30 P.M.
LOCATION: 480 North Ave, Wakefield, MA 01880

This meeting will be in person at 480 North Ave in Wakefield. The public is NOT required to physically attend this meeting. Every effort will be made to allow the public to view and or listen to the meeting in real time. Persons who wish to do so are invited to click on the following link

Register for the Zoom Meeting

<https://us06web.zoom.us/meeting/register/k2AnPaUERPqUOXn3bv59HQ>

Please only use dial in or computer and not both as feedback will distort the meeting.

WMGLD BOARD OF COMMISSIONERS MEETING
480 North Ave
Wakefield, Massachusetts 01880

April 8, 2025
6:30 PM
AGENDA

- A. **Call to Order**
- B. **Opening Remarks**
 - Chair's Remarks – Sharon Daly
 - Commissioners Reports
 - Town Council Liaison Comments
 - Public Comments
- C. **Secretary's Report**
 - 1 Approval of March 4, 2025 Minutes
- D. **Electric Department Annual Report – Paul Redmond, Vincent McMahon and Abdeer Chil**
- E. **Old Business**
 - 1 Project Updates
 - A. Energy Park
 - 2 Cyber Security - Recent Local Issues
 - 3 Large Building Energy Reporting (LBER) Update
 - 4 Commercial Time of Use EV Rate – Discussion
 - 5 General Manager 2025 Goals
- F. **New Business**
 - 1 Potential Impact of Tariffs on Energy Supply, Materials and Equipment and Contingency Planning
- G. **Any other matter not reasonably anticipated by the Chair**
- H. **Executive Session**
 - 1 Collective Bargaining Update
- I. **Adjournment**

WMGLD
P.O. BOX 190 480 North Ave.
Wakefield, MA 01880
Tel. (781) 246-6363 Fax (781)
246-0419



Peter D. Dion, General Manager

Sharon Daly, Chair
Thomas Boettcher,
Secretary
Jennifer Kallay
Elton Prifti
John J. Warchol

WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT
BOARD OF GAS & LIGHT COMMISSIONERS MEETING

March 4, 2025

IN ATTENDANCE:

Comms., Chair Sharon Daly
Thomas Boettcher, Secretary
Jennifer Kallay
Elton Prifti
Jack Warchol

Peter Dion, General Manager
Mark Cousins, Finance Manager
Joe Collins, Business Analyst
Olivia Hayes, Business Analyst
James Brown, Gas Superintendent
Paul Robertson, Gas Street Foreman
Raven Fournier, Senior Gas System Engineer
Sylvia Vaccaro, Minute Secretary

PLACE:

480 North Ave., Wakefield, MA
& ZOOM MEETING

CALL TO ORDER:

Commr. Daly called the meeting to order at 6:30 pm and advised the meeting was being recorded.

CHAIR REMARKS:

None

COMMISSIONERS REMARKS:

Commr. Kallay noted that there was a meeting of the Massachusetts Light Commissioners Association's group that included a discussion of the Interagency Rate Working group. She will make the recording available to the Board. The key takeaway from this meeting was the seasonal rate structures. Pete stated that there may be a possibility for WMGLD to have a Heat Pump rate for customers that completely convert to all electric heating and cooling. Joe Collins is gathering information for a future discussion.

TOWN COUNCIL LIASON:

Not present.

Public Comments

None

SECRETARY'S REPORT

Approval of February 12, 2025, minutes was before the Board for approval. Commr. Daly provided an additional edit.

A motion to accept the December 12, 2024, minutes as amended was made by Commr. Boettcher and seconded by Commr. Prifti.

Vote: The motion was approved unanimously 5-0.

Gas Department Annual Report- Jim Brown, Paul Robertson, Ravin Fournier

Paul reviewed completed DPW Coordination Project 2024 which included replacing 6810 feet of steel main on Oak St. and numerous neighboring side streets. He explained that PHMSA FY22 Grant Project in the Water and Crescent Street areas is 75% complete with remaining construction being mains and services on Water St.

Jim explained that as of December 2024 all cast iron on the WMGLD system has been replaced. He stated that coated steel, which must be cathodically protected and requires testing every 3 years, is being replaced with plastic. The test points for coated steel have been reduced to 17 in 2025 down from 33 in 2021. Plastic pipe makes up 88.73% of our system and will be over 90% by the end of 2025. Class 3 leaks have gone down to 13 with 2 more being eliminated with the current grant project. All leaks left are non-significant which means the reads are under 20%. Jim said that we are required to change meters every seven years, so we are moving the inside meters to the outside. These meters now have a bypass on them, so service is not interrupted if the meter needs to be changed in the future.

Raven noted that the major project for 2025 will be the southern portion of Main Street located in the Greenwood section of town. The gas main work is now out for bid and will hopefully start at the end of March or beginning of April. Once the gas main work is complete, WMGLD staff will start the service work. Not only will this project resolve three leaks in this area, but it will also fix pressure issues. She mentioned that this aligns with the DPW paving plans. Raven provided an update on the PHMSA NGDISM Grant Program as follows:

2022 Application – Water St & Crescent St Project ~replace 1.37 miles

- Application submitted August 2022
- Awarded April 2023
- Environmental Assessment – July through December 2023
- Engineering & Planning – Spring 2024
- Bidding Materials & Labor – Spring 2024
- Construction – Present

2023 Application – Main St Replacement Project ~replace 3.61 miles

- Application submitted August 2023
- Project would replace 3.61 miles of existing infrastructure on 14 street in Greenwood
- Did not Receive Funding

2024 Application – Morrison Road Replacement Project ~replace 1 mile

- Application submitted June 2024
- Awarded October 2024
- Awaiting instruction due to change in Presidential Administration 24

Old Business

Project Updates

Energy Park

Pete noted that work is progressing despite the weather and water runoff issues. The manholes have been set, and the conduit work is being performed by WMGLD crews. The priority for the conduit work is from the battery portion, so it can be up and running by June 1st. The conduit work for a temporary piece of switch gear will be done in the next few weeks. The battery contractor has been on site for about 3 weeks working on putting in the foundations. Everything is moving along schedule. Weekly coordination meetings are ongoing to ensure progress continues. The solar bid for both the Tech and High School will go out at the same time next month with the roofs anticipated for completion next year. Pete mentioned that the bid may also include more public buildings if possible.

Commercial Time of Use Rate

Joe Collins reviewed the proposed rate with the assumption of 300 KW capacity. He stated the recommendation would be a rate savings of 5 cents on off peak with a premium of 9 cents for on peak. In looking at the level III chargers in town, we found that they are being used 66% of the time during off peak and 34% of the time during on peak. Based on the rate we are going to offer, we are not sure how much behavior change will occur. Joe provided three different behavior change scenarios over a 3-year period. He shared both Concord and Holyoke's Commercial Time of Use Rate with the Board for review and discussion. Pete stated it is best to keep the rate structure simple. Page 45 in the Board book is the proposed Commercial Time of Use Rate. Commr. Warchol stated that the proposed revenue neutral rate could be approved and evaluated in six months to a year and tweaked if needed. Pete said that we will write up a rate sheet to be reviewed at the next Board Meeting in April with a public hearing at the beginning of the May Board meeting.

WMGLD Website Development Update

Olivia Hayes explained that during a recent meeting with the Website Developer a few templates were reviewed to ensure that the design works on smartphones as well as a tablet. Pete stated that other industry websites were researched and a few ideas from Reading, Taunton, and Hingham were incorporated into the design. He clarified that the website would utilize an updated version of WordPress.

Board Letter to the State Re: Clean Heat Standard Regulations

Commrs. Daly and Warchol worked on a revised letter for the Board to review and comment on tonight. A discussion ensued and edits were incorporated into the letter. The Board letter will be mailed out to Commissioner Bonnie Heiple, Massachusetts Department of Environmental Protection and copied to Representative Donald Wong, Representative Kate Lipper-Garabedian, and Senator Jason Lewis.

General Manager 2024 Results and 2025 Goals

Pete provided the Board with a detailed review of his 2024 performance versus goals (included in the Board book). The Board also reviewed 2025 goals and will finalize the goals at the April meeting.

New Business

None

Any other matter not reasonably anticipated by the Board.

Executive Session if necessary

A motion to go into Executive Session was made by Commr. Boettcher at 9:50pm to discuss labor negotiations and management performance and to come out of Executive session to inform management staff of findings and to adjourn was seconded by Commr. Warchol.

Roll Call Vote

Commr. Daly	Aye
Commr. Kallay	Aye
Commr. Prifti	Aye
Commr. Boettcher	Aye
Commr. Warchol	Aye

The motion was approved unanimously 5-0.

Executive Session

A motion to come out of Executive session and back into General session was made by Commr. Boettcher and seconded by Commr. Prifti.

Vote: The motion was approved unanimously 5-0.

Commr. Prifti thanked Pete Dion and the WMGLD team for their efforts in 2024. He mentioned some notable 2024 accomplishments as follows: PHMSA Grant award, 100% of cast iron on the system being replaced, Website focus group, and strategic planning work with Jon Wortman. Commr. Prifti also noted some future areas of focus: putting strategic plan into action, additional communication in connection with the Commissioners on legislative matters.

A motion to award Pete Dion a 6% bonus for 2024 was seconded by Commr. Warchol.

Vote: The motion was approved unanimously 5-0

Adjournment

A motion to adjourn was made at 10:34 pm by Commr. Warhol and seconded by Commr. Boettcher.

Vote: The motion was approved unanimously 5-0.



FEBRUARY 2025 WMGLD COMMISSIONER'S DASHBOARD

	Outages (Elec)	
	SAIFI	CAIDI
Dec	0.47	59
Jan	0.10	51
Feb	0.20	52
Cal YTD	0.15	52

	CYTD Pipe Replacement	
	Replaced	System Total
4"	-	168,742
6"	-	160,403
8"	-	87,774

	New Services on the System	
	Electric	Gas
Dec	2	-
Jan	2	-
Feb	4	-

Solar Generation 125 Customers		
	Generated	Back to WMGLD
CYTD	120,806	40,948
Comm'l	11,504,810	2,702,992
Res	4,142,765	2,464,462
Inception	15,647,575	5,167,454

	Monthly & Annual Peaks	
	Prior Year	Current Year
Dec	25.4Mw	28.7 Mw
Jan	26.5 Mw	29.2 Mw
Feb	25.4 Mw	27.5 Mw

Summer YTD Peak	
9/7/23	6/20/24
39.3 Mw	41.2 Mw

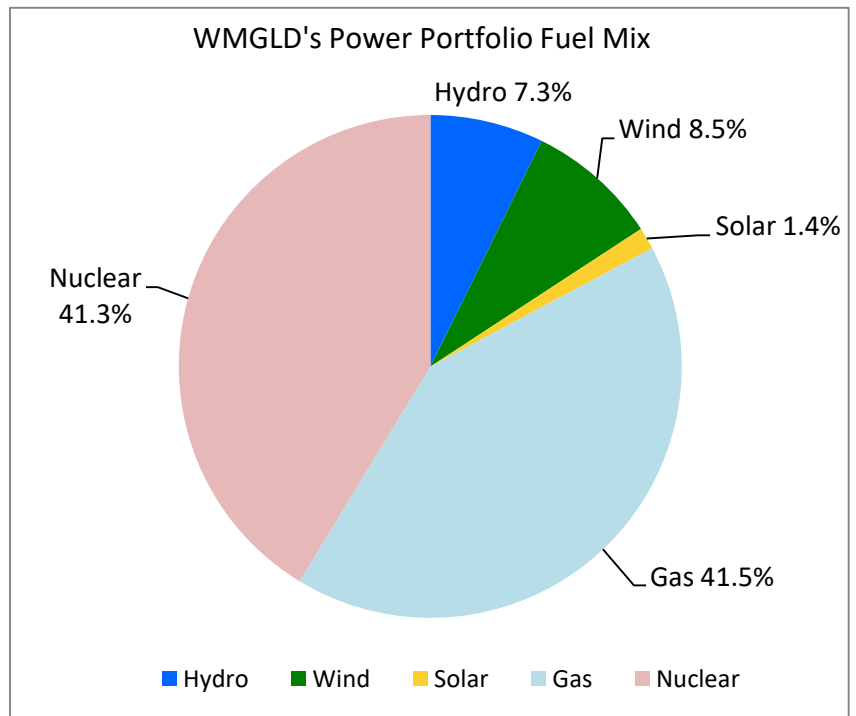
Winter YTD Peak	
1/7/24	1/20/25
26.5 Mw	29.2 Mw

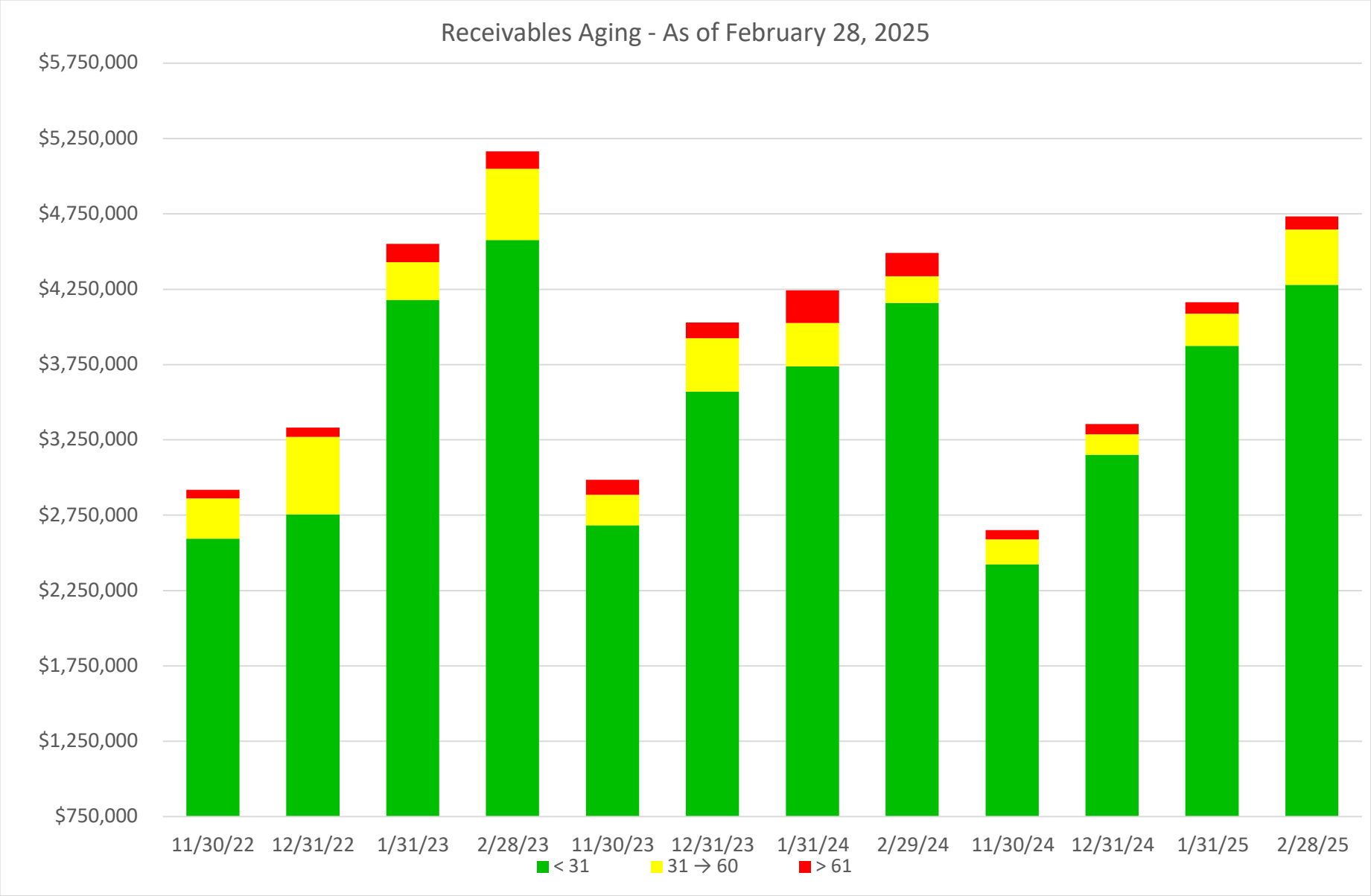
All Time Peak	
1/2/14	8/2/06
36.5 Mw	50.7 Mw

CONSERVATION BUDGET		
YTD FY25 Conservation Revenue Billed	\$	526,329
YTD FY25 Paid out to Customers:		
287 Appliances & Thermostats	\$	(21,427)
47 Air Sealing (insulation/windows)		(41,346)
72 Heating & Cooling		(130,893)
7 Residential Solar		(37,604)
69 Cordless Yard Equipment	\$	(4,065)

GREEN CHOICE RATE	Feb	CYTD
Green Choice Revenues	\$ 1,465	\$ 2,939
KwH billed on GC Rate	84,853	165,217
Number of Customers		107

Natural Gas Peak Usage	
Current Year Peak (Nov '24 → May '25)	1,274,416 CCF
Prior Year Peak (Nov '23 → May '24)	1,069,156 CCF
All-Time Peak - Jan '18	1,370,554 CCF

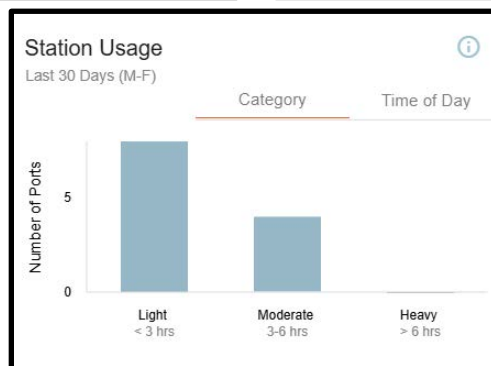
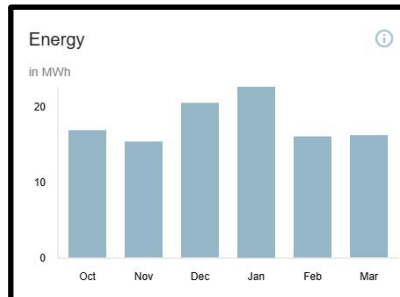
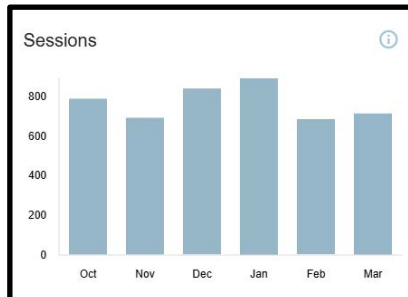
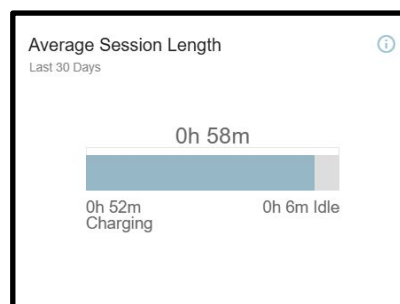
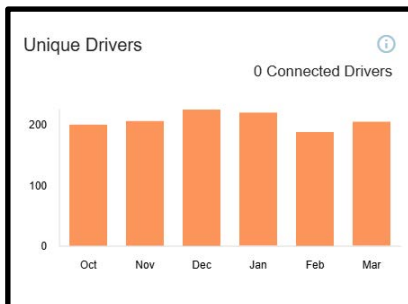
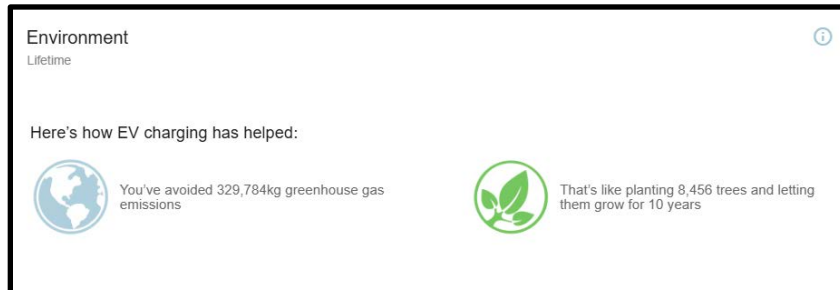




Electric Vehicle Charging Stations

Dashboard – March 2025

Lincoln St. - level 3 (1 plug)
Civic Center – Level 2 (2 plugs)
Vets Field – Level 2 (2 plugs)
Quannapowitt Pkwy @ Lowell St – Level 3 (2 plugs)
North Ave Garage – level 2 (4 plugs)
North Ave Garage – level 3 (1 plug)



EV Charging Stations				
Utility Billing and Town Revenue				
Mar-25				
Locations	Utility Billing	KWh	Town Revenue From Charge Point	KWh
Vets Field	\$184.15	843	\$189.68	843
Civic Center	\$120.72	590	\$126.99	590
Public Parking Lot	\$675.89	3237	\$1,165.32	3237
Totals	\$980.76	4670	\$1,481.99	4670
EV Charging Stations				
Usage and Revenue				
Mar-25				
Locations			Revenue From Charge Point	KWh
Quannapowitt			\$4,438.59	11421

COMMISSIONER REQUESTS LOG	Requested By	Request Date	Completion Date
Create Separate Rates Tab on Website	JW, TB	3/8/23	3/29/23
Share Community Solar Design Spreadsheet	JW, TB	6/21/23	7/7/23
Presentation on ISO-NE Load Shedding Requirements	JW	9/6/23	In progress
Update Community Solar Powerpoint	JW, SD, TB	12/6/23	12/28/23
Update Grant Summary Sheet to Include Matching Funds	EP, JK	6/17/24	6/26/24
Update service form and renter deposit obligation clarity	JW	7/17/24	8/28/24
Review of renter deposit requirement	JW, JK	7/17/24	10/2/24

Wakefield Municipal Gas & Light Department
Customer Issues Log

Date	Issue	Resolution
December 12, 2024	Customer from Whittemore Terrace expressed concern with temporary binder left in front of his driveway in relation to the gas main replacement project underway in the area. Additionally a customer on Chestnut St. relayed to WMGLD that debris from the project was funneling down to his house.	WMGLD resolved the binder issue promptly, both with a temporary and long-term resolution in the days following the customer expressing his concern. WMGLD relayed to both customers that project work in that area would be concluding soon.
November 22, 2024	Customer reached out to Board of Commissioners to express the desire to change gas utility bill structure to mirror Investor Owned Utilities bills and had questions about how gas rates are derived	WMGLD management referred customer to November 2024 board meeting with our gas supplier. Customer attended December meeting where questions were answered. WMGLD improved clarity of rates on the website following the December meeting.
November 4, 2024	Customer that was delinquent on utility payments contacted WMGLD and the Board of Commissioners with disapproval with the possibility of being shutoff and questioned the notification process.	WMGLD followed all appropriate shutoff notification procedures to the customer. Ultimately, WMGLD made the decision to delay the shutoff to this customer as they work to pay off their delinquent balance.
January 26, 2024	Customer expressed disapproval that gas could not be brought to her house. Customer has indicated an interest in joining WMGLD board meetings to learn more about why she cannot receive gas.	WMGLD has informed the customer that no new gas lines are being installed. The policy is in line with state and local decarbonization goals. WMGLD will answer any questions the customer has in open session.
April 5, 2023	Customer on Gumwood joined board meeting in regards to opposing an additional potential streetlight desired by customer who reached out in November 29, 2022 customer issue.	WMGLD informed customer that streetlight placement must be dealt with through the town, and that WMGLD has added LED lights to brighten current streetlighting on Gumwood.
February 15, 2023	Customer contacted board of commissioners and WMGLD management with concerns about increase in natural gas prices.	WMGLD met with the customer to discuss the driving factors that lead to gas supply rate. In addition, referred customer to November 2022 board meeting with our gas supplier.

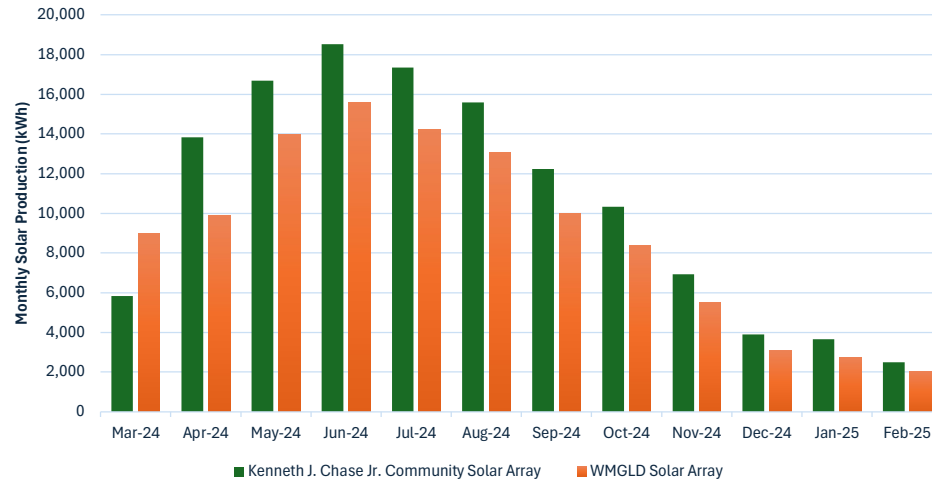


WMGLD 480 North Ave Solar Arrays Dashboard

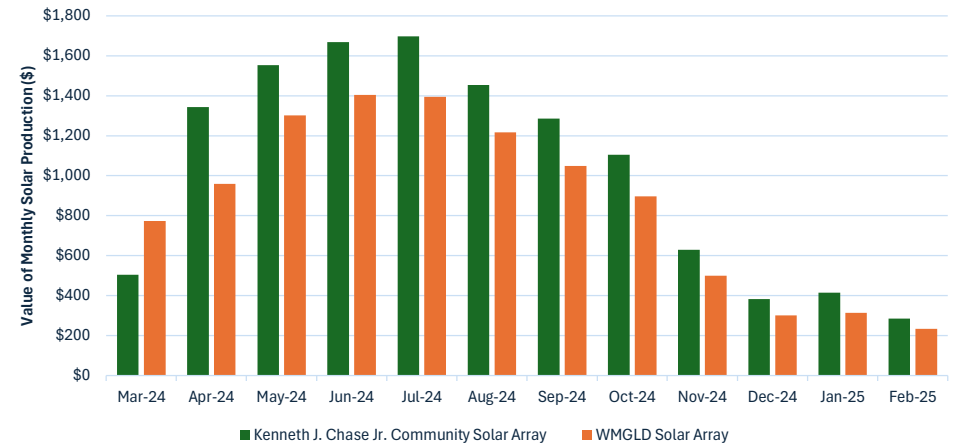
Last Updated: March 2025

480 North Ave Solar Arrays Combined Performance (Total 225 KWdc)

480 North Ave Solar Production (Both Arrays - 225 KWdc)

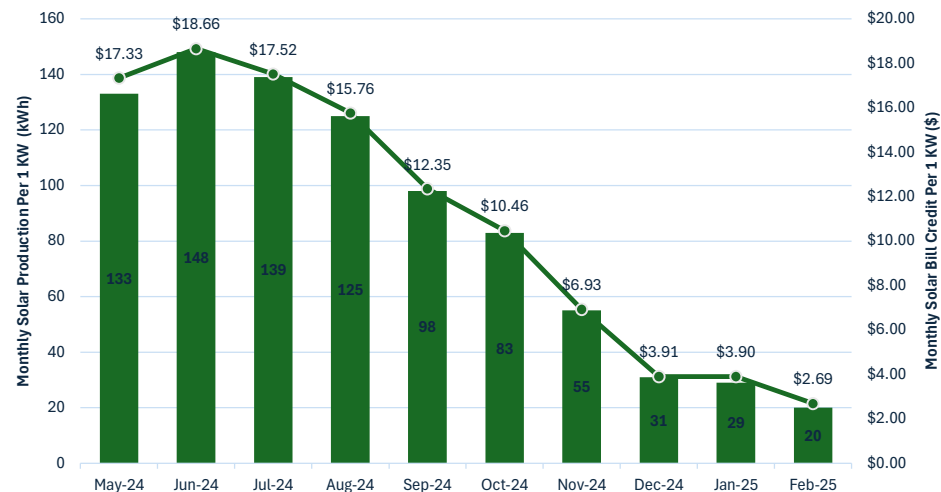


480 North Ave Solar - Value of Solar Produced (Both Arrays - 225 KWdc)



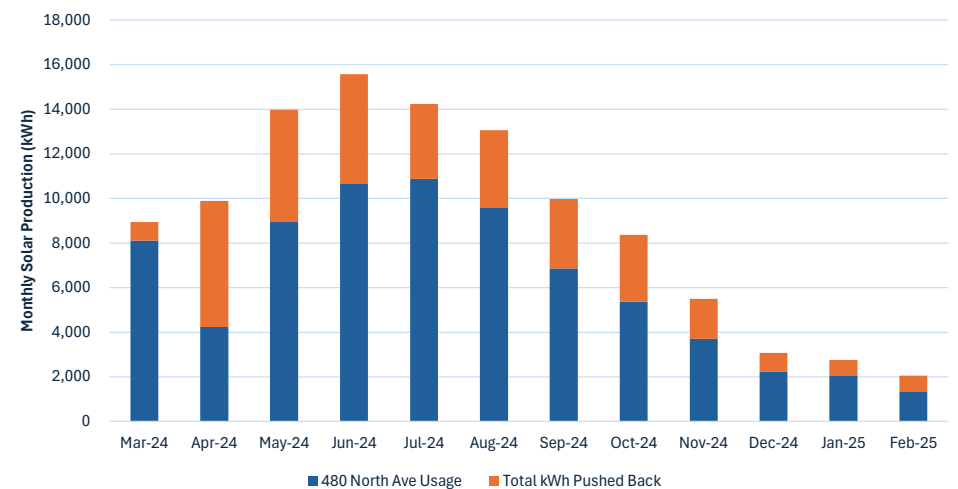
Kenneth J. Chase Jr. Community Solar Array (125 KWdc)

WMGLD Community Solar - Customer Outlook Per 1 KW Subscribed

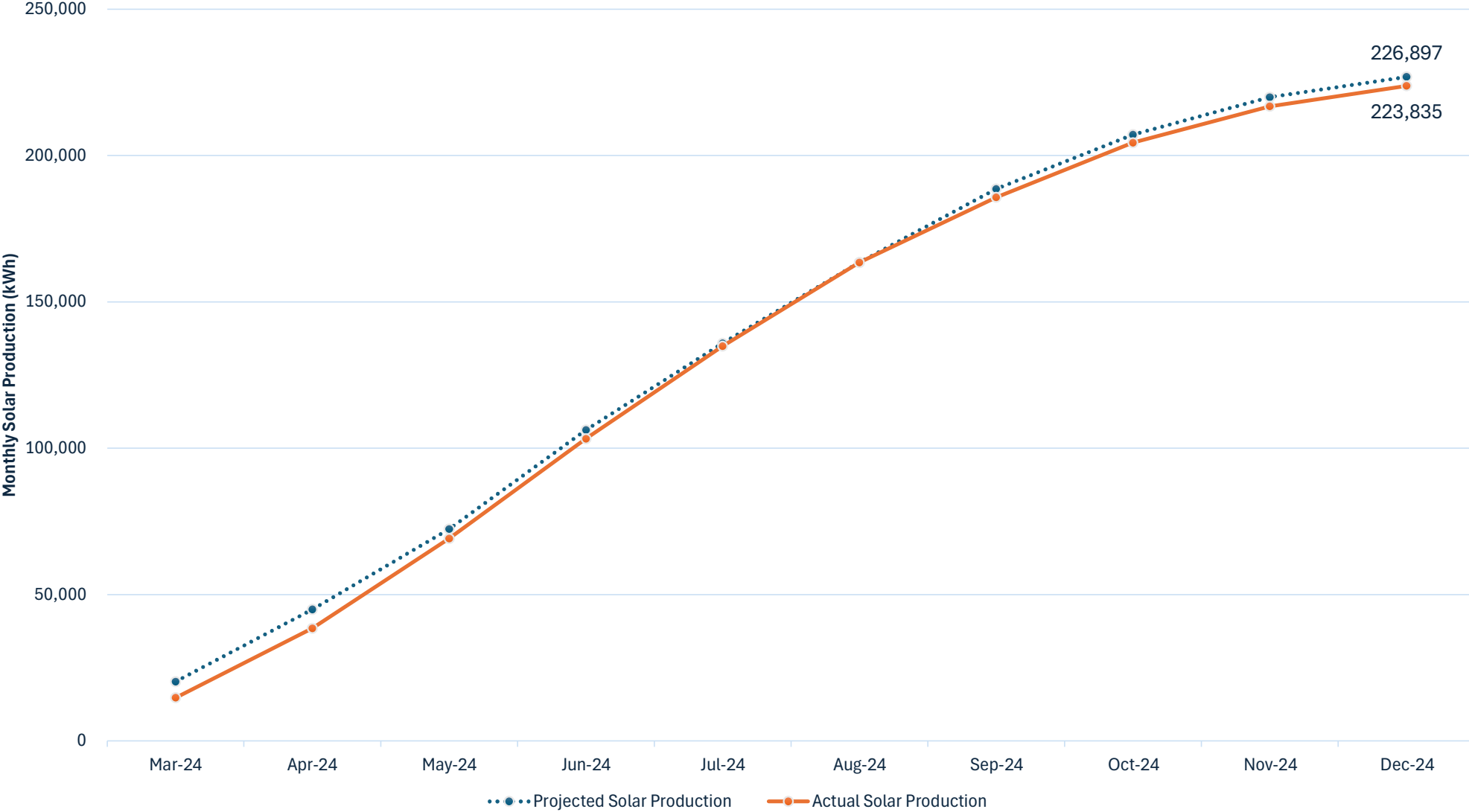


WMGLD 480 North Ave Solar Array (100 KWdc)

WMGLD 480 North Ave Array - Building Usage vs. Grid Pushback



WMGLD 480 North Ave Solar Arrays Cumulative Annual Production - Projected Vs. Actual (CY2024)



General Manager's Report

The following is the General Managers Report for April, 2025

Engineering and Operations Report

Major New Customer Projects:

Working:

- 198 Albion Street – 10 units – **Complete**
- 596 North Ave – 30 units - **Working**
- 405 Main Street – Commercial - **Working**
- 610 Salem St. – New 34 unit apartment building – **Complete**
- 330 Salem St. – 19 Residential units – **Working**
- 200 Quannapowitt – 440 Apartments / 3 buildings / parking garage – **Working**
 - Building Demolition/Disconnect – **Q2- 2023 (Complete)**
 - WMGLD installing conduit on QP to meet customer installed MH – **Complete**
 - Site contractor Installing 6 MHs, 3200' of ductback, 2 switch bases and 4 transformer foundations - **Complete**
 - 4 Transformers set in-place
 - Temporary Power (construction) – Q2/2024 **(COMPLETED 5/23/2024)**
 - Permanent Power Pulling cable
 - Building 1 – 8/1/2025 64 units
 - Building 3a – 1/26/2026 160 units and garage
 - Building 3b – 4/20/2026 130 units
 - Building 2 – 7/22/2026 86 units
 - Full Occupancy: Q3 2026
- 62 Foundry Street phase 2 – 55 unit condo complex and commercial space – **COMPLETED**
- 184 Water St – 8 Residential units and commercial – **Complete**

Permitting:

- 97-99 Water St – 5 Residential Apartments – **Permitting Phase – Cancelled**
- 10 Broadway St. - 124 Residential apartments – **Permitting Stage**
- 46 Crescent St. - 56 Residential units – **Permitting Stage**

Planning:

- 369 – 371 Main St – 20 residential apartments and rehab of the existing commercial space (former Santander Bank – on-hold)
- 460-472 Main St – 16 residential apartments and commercial space (former Molise Building)

- **127 Nahant St.** – 26 Residential units proposed – **Planning stage**
- **525-527 Salem St** – New 22-unit building – **On-Hold**
- **32 Nahant St** – 32 Units

Gas Department

- PHMSA grant related work is on going. All main and service work will continue in thru March. Main installation on the last section of the project on Water Street was completed in March. There are a limited number of tie ins and services to complete. Main and service replacement continues on Harrison Ave.
- 375 meters were replaced so far this year with a target of 1067 for the year.
- There are currently 1683 inside gas services and 3524 outside services. 41 services have been moved outside this year so far.
- Leaks Class 1 – 0* Class 2 – 0 Class 3 –13.

Financial Reports

Monthly Financials for through January and Consumption Reports through February are enclosed.

Project Updates

Energy Park

- Bill H3995 – update: Signed by the Governor on November 14, 2023 – **COMPLETE**
- Town Council meeting – **12/11 to sign easement**
- Conservation Commission - **accepted easement on 1/2/2023**
- Generator Bid: **Awarded**
- Switchgear Bid: **Awarded**
- Padmount switches : **Awarded**
- Finalizing the operating plan, design and engineering documents – **Working**
- Battery vendor Delorean/Lightshift and MMWEC contract language – **COMPLETED**
- DPW Storm Water Advisory Board – **Approval letter received 5/1/2024**
- Site Clearing – **(COMPLETED)**
- Site Work Scheduled Q4 2024, equipment foundations, manholes, ductbank, fencing –**removing ledge, site drainage and retaining wall.**
 - Manholes installation complete
 - Conduit installation underway
- Battery Installation scheduled to start Q1/Q2 2025 - Lightshift – **WORKING** Progressing to a June in service date.

NEMT:

- Meeting as needed with the NEMT design team and OPMs
- Poles and associated wire relocated to facilitate the construction of the access road – **COMPLETED**
- Temporary Services provided for construction trailers – **COMPLETED**
- Finalized the permanent utility service design – **COMPLETED**
- Solar design- working with Neo and NEMT design team – 99% **Completed**
- Procurement process for long lead time items – (3) Transformers – **Received & Tested - Complete**
- Temporary construction power – **Completed**
- Permanent power -**January 2026**
- Occupancy - **September 2026**

- Electric Service – Hemlock Road ductbank from Energy Park to point of interconnection – **Working** - **95% complete**

WMHS:

- Meetings held bi-weekly with the WMHS design team and OPMs – **On-going**
- Working with design team on permanent power design – **Complete**
- Solar design- working with Zapotec Energy and WMHS design team – **Completed**
- Procurement process for long lead time items – (3) Transformers – **Received and tested – COMPLETE**
- Temporary service for construction of the new building – **Completed**
- Permanent and emergency power for testing and commissioning: **2026**
- Substantial completion / occupancy: **Students and Staff January 2027**
- Electric Service – Hemlock Road ductbank from Energy Park to point of interconnection – **Working** - **95% Complete**

Major Projects:

Solar Projects:

- 480 North Ave. – **COMPLETE**

Convert remaining 2 MAT type enclosures to Padmount or OH construction

- Lowell at Vernon – Customer moved outage scheduled May 20th – **COMPLETE**
- 50 Audubon Rd - - scheduled Q3 2024 – **COMPLETE**

Electric Meter Inspections - Progress

- Residential – in progress 13,662 of 13,805 meters inspected, 99.0% complete
 - 2393 had missing or cut seals - 20% (list has been provided to Building Dept.)
 - 2039 have been re-inspected and new seals installed
 - 1 theft of current found
 - 1 meter & socket that needed immediate attention.
 - 4 customer services found in poor condition – pictures and information provided to wiring inspector and homeowner contacted
- Commercial – CT Testing: 114 of 156 locations inspected and tested, 73% completed

Pole replacements:

- Verizon replacing Poles & WMGLD crews transferring – On-going

Vegetation:

- Tree Trimming for 2024 scheduled to start February 2024 – Area 1 (East side / Montrose Area) – **Completed**
- Residential Tree Planting Program (Utility Friendly and Shade Trees) - 54 Residents signed-up – **Completed**
- Public Tree Planting Program (Utility Friendly Trees) – 50 Trees Planted – **Completed**
- Maple Way – Reforestation – 96 Trees Planted – **Completed**
- **Total of 200 Trees planted in 2024**
- Tree Trimming for 2025 Started February 6, 2025 – Area 3 West Side – **WORKING**

Substations:

- **Beebe Substation** – Load Tap Changer project underway
- **Beebe Substation** – Relay upgrades on main breakers and NGrid communications project - **Complete**
- **Beebe Substation** – Wave trap - **Complete**
- **Burns Station** – Remove remaining equipment (**COMPLETED**) and site remediation – **Completed**

Town Projects:

- **Vets Field Lighting** – Upgrade lighting at Vets field with LED fixtures and install secondary cable – **80% complete**

Summer Preparation, Monitoring & Load Balancing:

- May 2025
- Distribution transformer additions and replacements based on transformer load management – 15 locations identified – **COMPLETED**

Hurricane Preparation / Survey:

- Overheat circuit patrols: Evaluating wire, equipment, hardware, poles and vegetation – corrective action scheduled as needed – **Completed**

Padmount Transformer and Switch Maintenance:

- As needed repairing rust, rot and repainting - **Completed**

IR Survey OH Distribution System & Substation Yard:

- Survey scheduled for August 14 & 15th - **COMPLETED**

Information for Discussion

**Board of Commissioners
April 8, 2025
Agenda Item No E-2**

Cyber Security and Recent Local Issues

There have been two Cyber Incidents recently within the Power Industry and close to Massachusetts. IT Manager Jeff Morris will review the incidents and steps WMGLD has taken to confirm we have not been impacted by these incidents. He will also review the training that has recently been given to all employees.

Information for Discussion

**Board of Commissioners
April 8, 2025
Agenda Item No E-3**

Large Building Energy Reporting (LBER) Update

MEAM, MMWEC and ENE have been meeting with Massachusetts EEA to discuss MLP objection to the “requirement” the State is attempting to impose. A subcommittee including the Managers from Mansfield, Middleton and Wakefield have been identified to meet with a group appointed by the Secretary to resolve the issue. The March 31 deadline for the clean up of the list has passed and the list still has SIGNIFICANT ISSUES.

Information for Discussion

**Board of Commissioners
April 8, 2025
Agenda Item No E-4**

Commercial Time of Use EV Rate

The Board will continue discussion of a Commercial Time of Use EV rate including review of a Draft Tariff sheet.

Information for Discussion

**Board of Commissioners
April 8, 2025
Agenda Item No. E-5**

General Manager 2024 Review and 2025 Goals

The Board will discuss the General Manager's 2025 goals.

Information for Discussion

**Board of Commissioners
April 8, 2025
Agenda Item No. F-1**

**Potential Impact of Tariffs on Energy Supply, Materials, Equipment and
Contingency Planning**

The Board will discuss the current status of the potential impacts of tariffs on key areas of the business including power supply and purchasing.

Information for Discussion

Executive Session- Collective Bargaining Update

APPENDICIES

**Wakefield Municipal Gas and Light Department
Comparative Balance Sheet - Electric Division**

	1/31/2024	1/31/2025
ASSETS		
Sinking Fund - Self Insurance	\$ 194,134.55	\$ 204,619.14
Depreciation Fund	188,943.85	193,735.19
Consumer Deposits	940,131.96	990,933.92
Total Investments	<u>1,323,210.36</u>	<u>1,389,288.25</u>
Operating Cash	18,346,277.39	18,779,314.70
Depreciation Fund	2,811.50	2,882.81
Consumer Deposits	327,433.22	360,757.26
Petty Cash	525.00	525.00
Total Cash	<u>18,677,047.11</u>	<u>19,143,479.77</u>
Accounts Receivable-Rates	4,290,575.45	4,300,003.33
Accounts Receivable-Other	1,222,976.88	1,303,705.28
Inventory	948,564.32	1,141,964.55
Prepayments Other	1,047,345.79	1,026,044.93
Prepayments Power	4,927,364.97	4,958,057.36
Other Deferred Debits	1,919,967.61	2,991,449.99
Total Other Assets	<u>14,356,795.02</u>	<u>15,721,225.44</u>
Total Current Assets	34,357,052.49	36,253,993.46
Distribution Plant	18,676,923.18	21,426,773.44
General Plant	1,536,835.18	1,580,673.47
Net Fixed Assets	<u>20,213,758.36</u>	<u>23,007,446.91</u>
Total Assets	<u>\$ 54,570,810.85</u>	<u>\$ 59,261,440.37</u>
LIABILITIES AND EQUITY		
Accounts Payable	\$ 92,379.82	\$ 99,363.62
Consumer Deposits	1,258,665.18	1,351,691.18
Other Accrued Liabilities	3,970.02	2,093.31
Reserve for Uncollectable Accounts	96,530.56	93,373.36
Total Current Liabilities	<u>1,451,545.58</u>	<u>1,546,521.47</u>
Compensated Absences	371,881.39	391,167.51
MMWEC Pooled Loan Debt	7,902,460.37	6,953,370.07
OPEB Liability	302,334.00	975,204.00
Pension Liability	7,528,500.00	7,528,500.00
Total Long Term Liabilities	<u>16,105,175.76</u>	<u>15,848,241.58</u>
Total Liabilities	17,556,721.34	17,394,763.05
Retained Earnings	14,970,237.70	22,772,912.39
Year to Date Income	6,038,943.22	2,133,832.75
Sinking Fund Reserve-Self Ins	194,134.55	204,619.14
Contribution in Aid of Construction	3,705,337.66	3,705,337.66
Investment in Fixed Assets	12,105,436.38	13,049,975.38
Total Equity	<u>37,014,089.51</u>	<u>41,866,677.32</u>
Total Liabilities and Equity	<u>\$ 54,570,810.85</u>	<u>\$ 59,261,440.37</u>

Wakefield Municipal Gas and Light Department
Budget vs Actual - Electric Division
For the Seven Months Ending, January 31, 2025

	CURRENT MONTH	YEAR TO DATE		
	FY 2025	FY 2024	FY 2025	YTD Budget
Energy Revenue (Net of Discounts)				
Residential Sales	\$ 1,705,730.78	\$ 10,967,774.92	\$ 10,675,011.87	\$ 9,394,000.00
Commercial Sales	1,218,677.74	8,752,778.46	7,944,345.24	7,620,000.00
Street Lighting	15,678.00	109,741.00	109,741.00	109,741.00
Municipal Sales	126,620.79	992,860.19	928,250.90	866,000.00
Private Area Lighting	7,466.00	52,230.53	52,292.14	51,925.00
Green Choice Revenue	1,435.37	8,060.33	8,855.42	-
Total Energy Revenue	3,075,608.68	20,883,445.43	19,718,496.57	18,041,666.00
Other Revenues				
Unbilled Revenue	-	-	-	-
Interest Income-Consumer Deposits	4,301.59	30,519.64	30,055.03	58,335.00
Interest Income-Depreciation Fund	416.59	2,800.16	2,871.58	-
Interest Income-Self Ins Sinking Fund	791.74	6,243.57	6,006.98	-
Interest Income-MMWEC	11,453.57	55,964.11	72,142.04	-
Income (Exp) - Merchandise & Jobbing	(12,826.96)	297,849.99	(619,954.46)	58,335.00
Other Revenues-Temp Services	100.00	900.00	800.00	585.00
Sales Tax	64,283.95	471,185.46	425,563.42	437,500.00
Conservation Charge	68,683.08	414,884.63	444,792.88	438,319.00
Reconnect Fees	-	1,750.00	1,200.00	1,750.00
Comcast & RCN Pole Fees	14,766.00	76,433.59	65,319.41	81,665.00
Insurance Reimbursements	-	3,071.41	5,815.63	-
EV Chargers	5,283.35	14,116.44	27,864.24	-
Other Electric Revenue	13,544.01	187,778.67	103,386.11	133,585.00
Total Other Revenue	170,796.92	1,563,497.67	565,862.86	1,210,074.00
Total Revenue	3,246,405.60	22,446,943.10	20,284,359.43	19,251,740.00
Power Costs				
Purchased Power	(1,933,424.81)	(9,144,954.57)	(10,452,284.16)	(10,443,000.00)
Power Expense Generation	(1,408.90)	(14,217.32)	(10,745.29)	(302,433.00)
Power Expense Battery	(4,994.33)	(39,238.77)	(35,828.66)	(147,422.00)
Total Power Costs	(1,939,828.04)	(9,198,410.66)	(10,498,858.11)	(10,892,855.00)
Gross Profit	\$ 1,306,577.56	\$ 13,248,532.44	\$ 9,785,501.32	\$ 8,358,885.00
Operating Expenses				
Miscellaneous Operating Expenses				
Depreciation Expense	(253,519.25)	(1,336,362.80)	(1,448,640.46)	(1,394,592.00)
Sales Tax	(54,000.00)	(471,185.46)	(415,211.33)	(460,000.00)
Interest Expense-Consumer Deposits	(2,115.16)	(21,638.79)	(33,561.85)	(21,000.00)
Interest Expense-Sub + MMWEC	(12,148.46)	(98,001.37)	(87,668.92)	(85,468.00)
Total Misc Operating Expenses	(321,782.87)	(1,927,188.42)	(1,985,082.56)	(1,961,060.00)
Distribution Expenses				
Supervision and Engineering	(30,614.95)	(147,431.36)	(193,890.85)	(172,085.00)
Substation Salaries and Expense	(92,788.92)	(455,256.68)	(461,671.65)	(449,165.00)
Customer Installation Expenses	(751.59)	(4,406.56)	(5,211.27)	(7,000.00)
Distribution Operations Expense	(67,585.40)	(387,360.04)	(459,783.71)	(466,665.00)
Total Distribution Expenses	(191,740.86)	(994,454.64)	(1,120,557.48)	(1,094,915.00)

Wakefield Municipal Gas and Light Department
Budget vs Actual - Electric Division
For the Seven Months Ending, January 31, 2025

	CURRENT MONTH	YEAR TO DATE		
	FY 2025	FY 2024	FY 2025	YTD Budget
Maintenance Expenses				
Supervision and Engineering	(19,272.00)	(146,144.19)	(148,001.60)	(160,415.00)
Maintenance of Station Equipment	-	-	-	(7,000.00)
Maintenance of Other Equipment	-	(217.50)	(48.50)	-
Maintenance of Overhead Lines	(110,561.56)	(880,072.86)	(811,606.37)	(991,665.00)
Maintenance of Underground Lines	-	-	(4,174.35)	(7,000.00)
Maintenance of Line Transformers	-	-	-	(5,835.00)
Maintenance of Street Lighting	-	-	-	(2,915.00)
Maintenance of Meters	(751.59)	(64,957.50)	(16,196.86)	(29,165.00)
Maintenance of Distribution Plant	(1,678.68)	(9,134.13)	(11,070.49)	(14,000.00)
Total Maintenance Expenses	(132,263.83)	(1,100,526.18)	(991,098.17)	(1,217,995.00)
Customer Account Expense				
Meter Reading Expense	(4,936.51)	(30,202.13)	(34,585.36)	(31,500.00)
Customer Records & Collection Exp	(86,248.83)	(569,748.97)	(588,891.79)	(630,000.00)
Total Customer Account Exp	(91,185.34)	(599,951.10)	(623,477.15)	(661,500.00)
Administrative and General Expenses				
Community Relations & Advertising	(3,355.25)	(69,390.18)	(172,401.08)	(64,165.00)
Administrative Salaries and Expense	(24,327.54)	(140,446.65)	(134,363.03)	(154,585.00)
Business Mgr, Office Salaries & Exp	(10,664.86)	(100,733.03)	(97,620.08)	(128,335.00)
MIS Salaries and Expense	(32,061.48)	(239,091.59)	(270,884.32)	(247,915.00)
Outside Services	-	(16,500.00)	(18,450.00)	-
Conservation & Rebates	(54,589.97)	(496,899.05)	(366,735.00)	438,319.00
Property & Liability Insurance, Damages	(12,108.50)	(79,743.51)	(83,123.90)	(84,585.00)
Employee Pensions and Benefits	(142,589.62)	(848,815.21)	(906,814.07)	(816,665.00)
General Administrative Expense	(23,270.75)	(32,253.14)	(48,390.72)	(210,000.00)
Maintenance of General Plant	(9,019.83)	(47,698.51)	(105,121.94)	(64,165.00)
Total Admin & General Expenses	(311,987.80)	(2,071,570.87)	(2,203,904.14)	(1,332,096.00)
Net Income (Loss) Before Surplus				
Adjustments	\$257,616.86	\$6,554,841.23	\$2,861,381.82	\$2,091,319.00
Surplus Adjustments				
Additions				
Sale of Scrap	-	10,404.63	49,684.64	11,665.00
MMWEC Refund	-	-	-	-
Total Additions to Surplus	-	10,404.63	49,684.64	11,665.00
Subtractions				
Interest on Sinking Fund	791.74	6,243.57	6,006.98	4,665.00
Payment in Lieu of Taxes	60,901.00	420,006.41	426,307.00	426,305.00
Plant Removal Costs	-	100,052.66	344,919.73	81,665.00
Total Subtractions from Surplus	61,692.74	526,302.64	777,233.71	512,635.00
Net Income (Loss)	\$ 195,924.12	\$ 6,038,943.22	\$ 2,133,832.75	\$ 1,590,349.00

Wakefield Municipal Gas and Light Department
Comparative Balance Sheet - Gas Division

	1/31/2024	1/31/2025
ASSETS		
Sinking Fund - Self Insurance	\$ 194,134.54	\$ 204,619.13
Consumer Deposits	110,865.72	123,566.21
Total Investments	305,000.26	328,185.34
Operating Cash	(23,143,747.11)	(25,253,582.65)
Consumer Deposits	219,552.28	215,225.79
Petty Cash	175.00	175.00
Total Cash	(22,924,019.83)	(25,038,181.86)
Accounts Receivable-Rates	1,758,130.48	1,748,681.54
Inventory	916,704.80	828,213.54
Prepayments Miscellaneous	187,590.33	191,616.53
Other Deferred Debits	642,737.42	995,921.25
Total Other Assets	3,505,163.03	3,764,432.86
Total Current Assets	(19,113,856.54)	(20,945,563.66)
Distribution Plant	25,465,289.29	28,109,507.04
General Plant	631,794.14	661,164.52
Net Fixed Assets	26,097,083.43	28,770,671.56
Total Assets	\$ 6,983,226.89	\$ 7,825,107.90
LIABILITIES AND EQUITY		
Accounts Payable	\$ (10,319.96)	\$ 785,496.87
Consumer Deposits	330,418.00	338,792.00
Other Accrued Liabilities	2,744.81	4,479.63
Reserve for Uncollectable Accounts	96,530.56	93,373.36
Total Current Liabilities	419,373.41	1,222,141.86
Compensated Absences	206,684.73	239,196.95
OPEB Liability	100,778.00	325,068.00
Pension Liability	2,509,500.00	2,509,500.00
Total Long Term Liabilities	2,816,962.73	3,073,764.95
Total Liabilities	3,236,336.14	4,295,906.81
Retained Earnings	(21,449,604.81)	(22,498,089.53)
Year to Date Income (Loss)	(1,256,455.05)	(1,235,366.18)
Sinking Fund Reserve-Self Ins	194,087.94	204,619.13
Contribution in Aid of Construction	13,600.00	13,600.00
Investment in Fixed Assets	26,245,262.67	27,044,437.67
Total Equity	3,746,890.75	3,529,201.09
Total Liabilities and Equity	\$ 6,983,226.89	\$ 7,825,107.90

Wakefield Municipal Gas and Light Department
Income Statement - Gas Division
For the Seven Months Ending, January 31, 2025

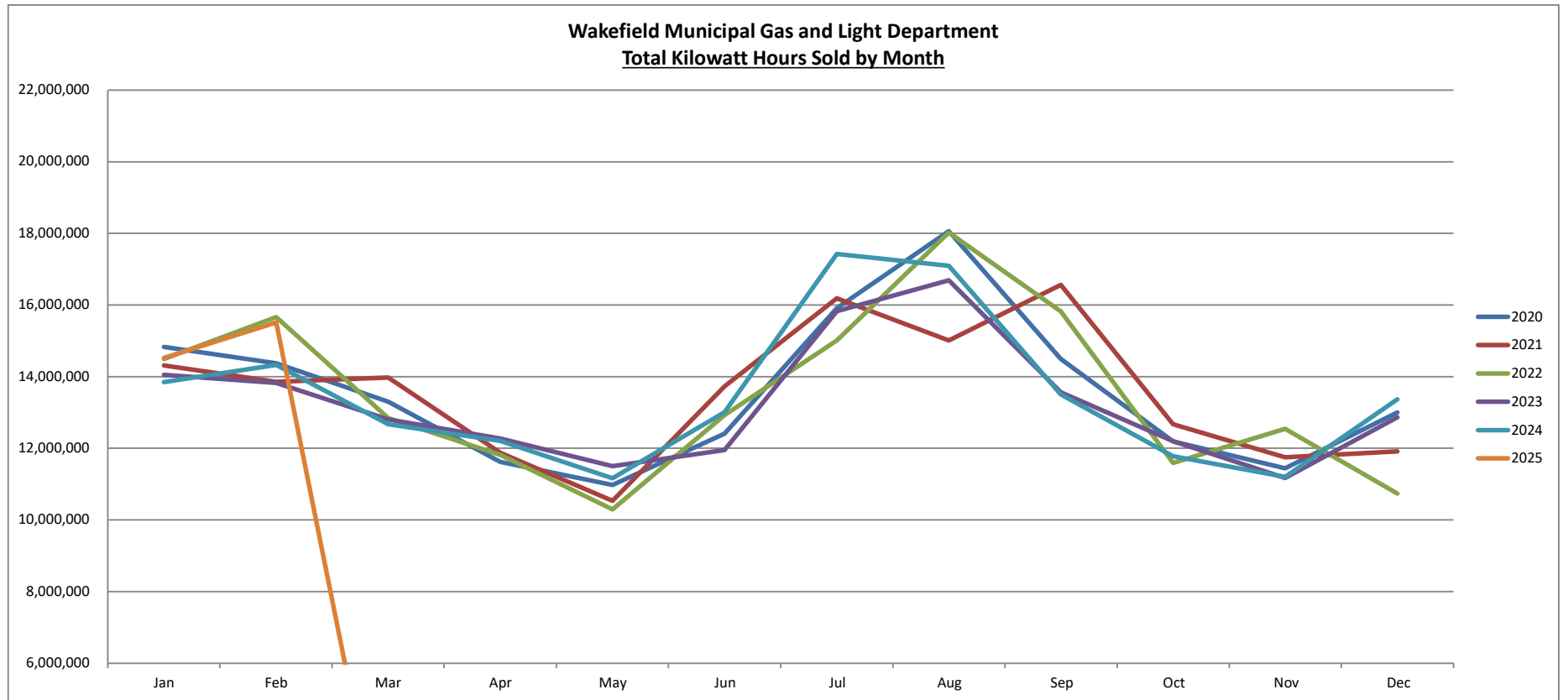
	CURRENT MONTH	YEAR TO DATE		
	FY 2025	FY 2024	FY 2025	YTD Budget
Energy Revenue (Net of Discounts)				
Residential Sales	\$ 1,443,897.05	\$ 4,003,276.29	\$ 3,777,114.11	\$ 5,975,000.00
Commercial Sales	388,502.26	1,122,885.89	1,032,489.09	1,623,000.00
Municipal Sales	182,652.80	428,665.96	438,976.01	576,000.00
Total Energy Revenue	2,015,052.11	5,554,828.14	5,248,579.21	8,174,000.00
Other Revenues				
Unbilled Revenue	-	-	-	-
Interest Income-Consumer Deposits	1,075.39	7,629.94	7,513.75	11,665.00
Interest Income-Self Ins Sinking Fund	791.74	6,243.57	6,006.97	-
Income from Merchandise & Jobbing	1,000.00	22,484.73	4,107.48	14,585.00
Special Gas Charges	95.34	4,000.00	3,582.43	5,835.00
Sales Tax	17,506.00	52,638.60	47,077.02	64,165.00
Reconnect Fees	-	-	50.00	-
Insurance Reimbursements	-	-	-	-
Other Gas Revenue	197,562.12	54,956.77	1,030,214.40	72,915.00
Total Other Revenue	218,030.59	147,953.61	1,098,552.05	169,165.00
Total Revenue	2,233,082.70	5,702,781.75	6,347,131.26	8,343,165.00
Cost of Gas Purchased	(1,310,999.41)	(3,843,988.84)	(4,297,435.13)	(4,753,000.00)
Gross Profit	\$ 922,083.29	\$ 1,858,792.91	\$ 2,049,696.13	\$ 3,590,165.00
Operating Expenses				
Miscellaneous Operating Expenses				
Depreciation Expense	(197,077.75)	(1,261,698.12)	(1,284,706.67)	(1,268,750.00)
Sales Tax	(12,000.00)	(52,638.60)	(41,558.43)	(64,165.00)
Interest Expense-Consumer Deposits	(4,486.18)	(5,409.70)	(8,390.46)	(5,835.00)
Total Misc Operating Expenses	(213,563.93)	(1,319,746.42)	(1,334,655.56)	(1,338,750.00)
Distribution Expenses				
Supervision and Engineering	(26,838.93)	(174,096.03)	(174,213.93)	(186,665.00)
Station Labor and Expenses	(21,019.55)	(120,201.38)	(140,477.46)	(140,000.00)
Mains and Service	(6,651.70)	(36,780.90)	(24,729.73)	(35,000.00)
Customer Installation Expenses	(25,250.89)	(133,366.32)	(172,166.66)	(140,000.00)
Distribution Operations Expense	(13,083.90)	(71,475.01)	(46,558.14)	(58,335.00)
Total Distribution Expenses	(92,844.97)	(535,919.64)	(558,145.92)	(560,000.00)
Maintenance Expenses				
Maintenance of Mains	(48,628.94)	(258,380.47)	(323,069.30)	(344,165.00)
Maint of Meters and House Regulators	(1,275.00)	(12,329.74)	(8,245.00)	(17,500.00)
Maintenance of Distribution Plant	(6,980.37)	(42,341.58)	(17,045.11)	(23,335.00)
Total Maintenance Expenses	(56,884.31)	(313,051.79)	(348,359.41)	(385,000.00)
Customer Account Expense				
Meter Reading Expense	(1,645.50)	(10,067.27)	(11,528.45)	(11,665.00)
Customer Record and Collection Expenses	(28,749.43)	(189,975.05)	(197,328.48)	(210,000.00)
Total Customer Account Expenses	(30,394.93)	(200,042.32)	(208,856.93)	(221,665.00)

Wakefield Municipal Gas and Light Department
Income Statement - Gas Division
For the Seven Months Ending, January 31, 2025

	CURRENT MONTH	YEAR TO DATE		
	FY 2025	FY 2024	FY 2025	YTD Budget
Administrative and General Expenses				
Community Relations & Advertising	(853.75)	(11,487.77)	(37,405.11)	(11,665.00)
Administrative Salaries and Expense	(7,529.97)	(44,789.72)	(42,411.43)	(46,665.00)
Business Mgr, Office Salaries & Exp	(2,976.44)	(28,679.25)	(28,694.13)	(35,000.00)
MIS Salaries and Expense	(10,461.92)	(79,697.11)	(90,269.70)	(93,335.00)
Outside Services	(23,500.00)	(19,130.39)	(36,920.60)	(21,000.00)
Property & Liability Insurance, Damages	(2,533.29)	(16,624.28)	(19,429.51)	(22,165.00)
Employee Pensions and Benefits	(31,156.94)	(144,494.65)	(166,043.03)	(210,000.00)
General Administrative Expense	(7,221.25)	(9,107.40)	(17,076.46)	(58,335.00)
Maintenance of General Plant	(3,006.62)	(23,388.93)	(35,040.67)	(25,665.00)
Total Admin & General Expenses	(89,240.18)	(377,399.50)	(473,290.64)	(523,830.00)
Net Income (Loss) Before Surplus Adjustments	\$439,154.97	(\$887,366.76)	(\$873,612.33)	\$560,920.00
Surplus Adjustments				
Additions	-	-	-	-
Subtractions	-	-	-	-
Interest on Sinking Fund	791.74	6,243.57	6,006.97	4,665.00
Payment in Lieu of Taxes	20,300.25	140,002.34	142,101.75	142,105.00
Plant Removal Costs	-	222,842.38	213,645.13	43,750.00
Total Subtractions from Surplus	21,091.99	369,088.29	361,753.85	190,520.00
Net Income (Loss)	\$418,062.98	(\$1,256,455.05)	(\$1,235,366.18)	\$370,400.00

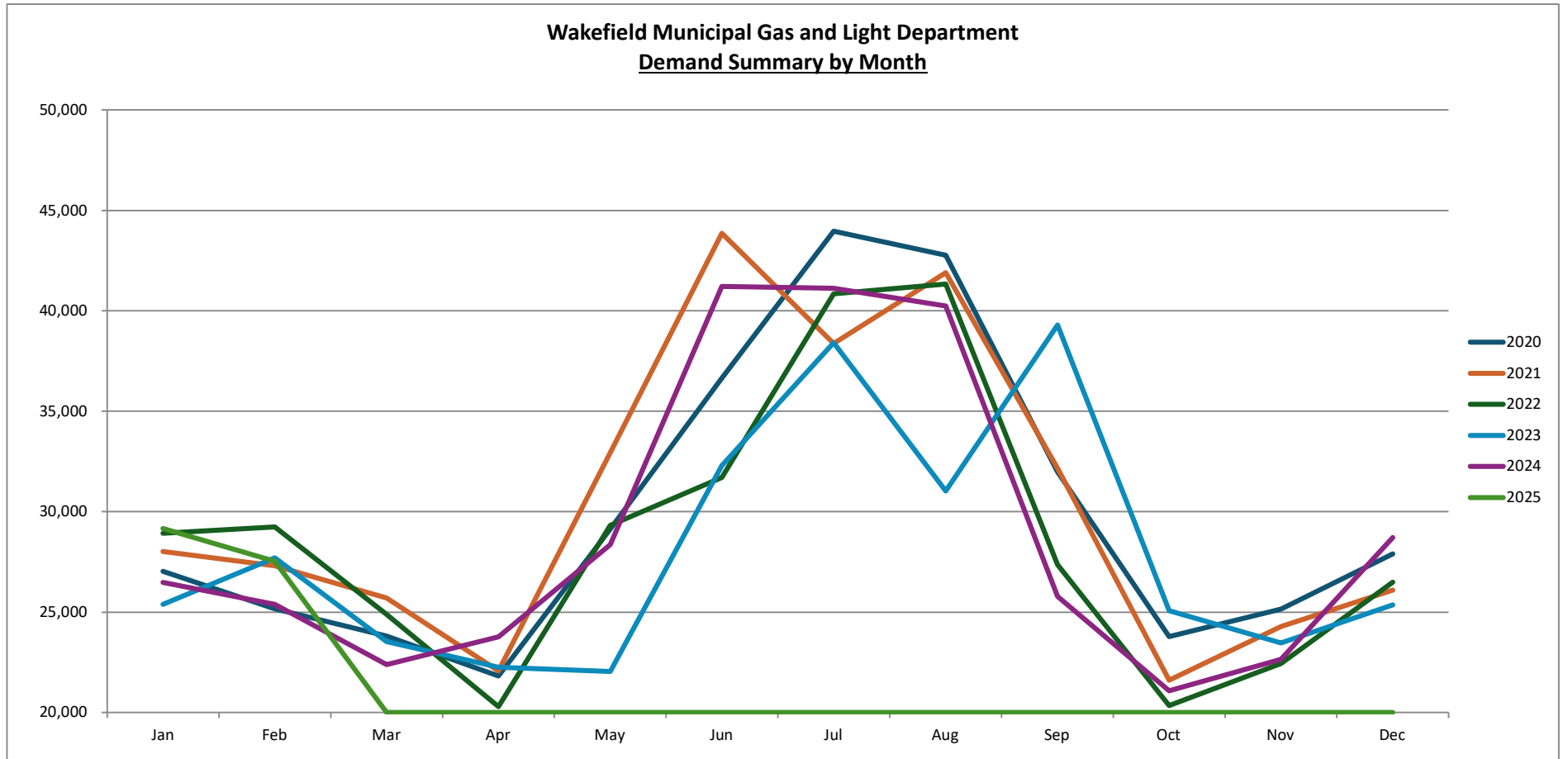
Wakefield Municipal Gas and Light Department
Total Kilowatt Hours Sold by Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date Thru Feb	Annual Total	Increase (Decrease)
2020	14,828,122	14,373,838	13,299,621	11,620,258	10,978,443	12,406,390	15,909,116	18,062,379	14,494,332	12,189,623	11,444,845	12,998,123	29,201,960	162,605,090	(3.3%)
2021	14,315,035	13,860,939	13,975,661	11,872,008	10,531,822	13,728,211	16,181,525	15,008,717	16,563,996	12,671,184	11,747,642	11,913,051	28,175,974	162,369,791	(0.1%)
2022	14,493,854	15,665,202	12,846,264	11,814,998	10,293,528	12,923,009	15,012,617	18,027,075	15,822,886	11,590,549	12,547,838	10,732,987	30,159,056	161,770,807	(0.4%)
2023	14,045,840	13,821,742	12,806,211	12,275,410	11,500,963	11,949,119	15,829,221	16,686,719	13,562,408	12,197,234	11,171,431	12,868,832	27,867,582	158,715,130	(1.9%)
2024	13,850,212	14,323,389	12,666,211	12,206,533	11,166,537	13,006,783	17,427,201	17,094,908	13,501,647	11,779,714	11,203,525	13,367,907	28,173,601	161,594,567	1.8%
2025	14,526,449	15,515,447	0	0	0	0	0	0	0	0	0	0	30,041,896	30,041,896	(81.4%)



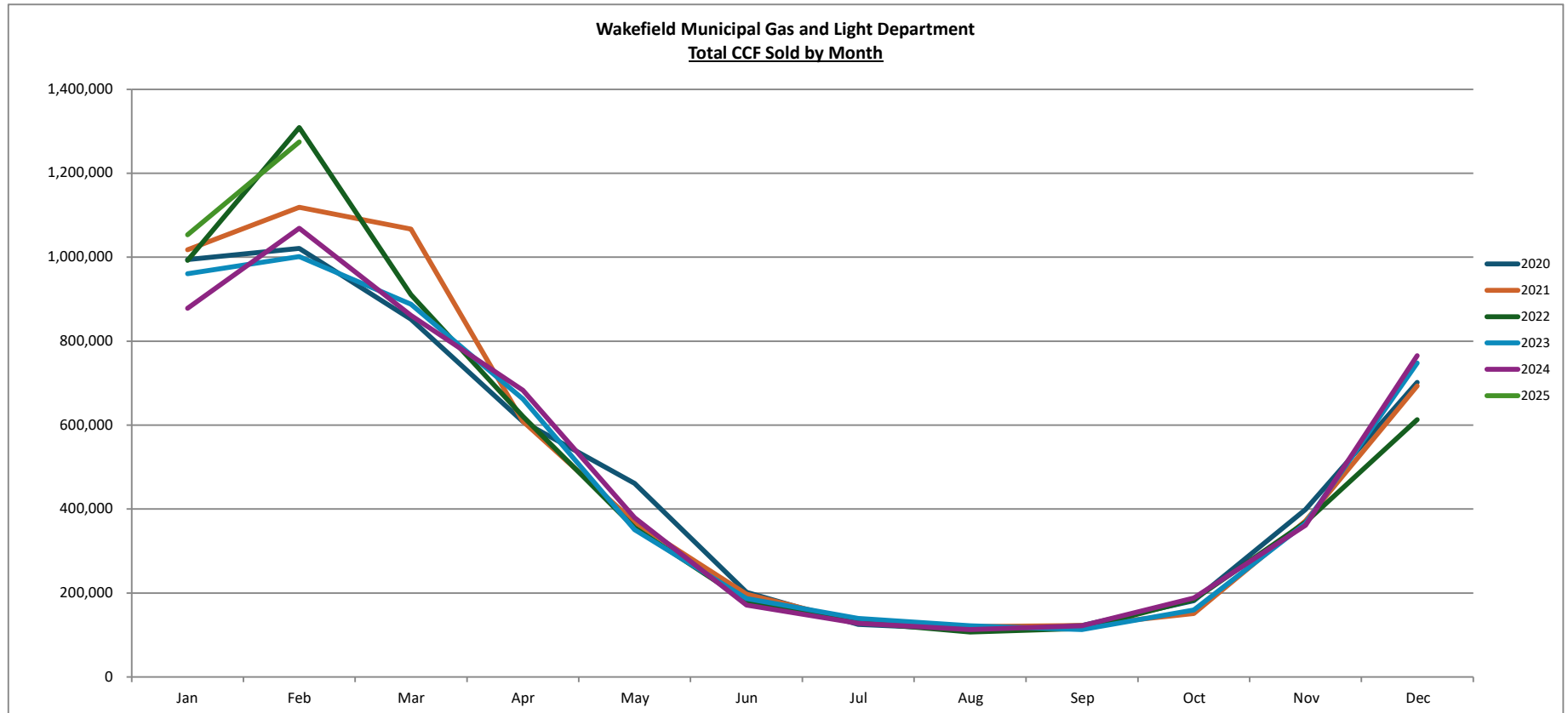
**Wakefield Municipal Gas and Light Department
Demand Summary by Month**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Peak	Increase (Decrease)
2020	27,031	25,166	23,806	21,823	29,147	36,658	43,966	42,773	31,971	23,789	25,149	27,898	43,966	3.4%
2021	28,023	27,300	25,704	22,075	32,944	43,864	38,381	41,900	32,172	21,605	24,276	26,091	43,864	(0.2%)
2022	28,929	29,248	24,881	20,295	29,315	31,702	40,840	41,328	27,367	20,345	22,445	26,493	41,328	(5.8%)
2023	25,385	27,704	23,537	22,260	22,042	32,290	38,405	31,029	39,294	25,065	23,470	25,351	39,294	(4.9%)
2024	26,477	25,385	22,394	23,772	28,360	41,221	41,126	40,235	25,788	21,084	22,646	28,711	41,221	4.9%
2025	29,165	27,535	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	29,165	



Wakefield Municipal Gas and Light Department
Total CCF Sold by Month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date Thru Feb	Annual Total	Increase (Decrease)
2020	994,568	1,020,971	852,440	608,122	461,181	202,283	125,139	113,927	122,475	182,071	398,894	701,805	2,015,539	5,783,876	(9.1%)
2021	1,018,323	1,118,751	1,067,083	609,268	368,207	197,298	131,406	120,133	122,771	151,033	371,698	693,323	2,137,074	5,969,294	3.2%
2022	992,152	1,308,855	910,767	620,801	355,552	180,737	130,599	107,477	115,762	184,235	368,178	612,837	2,301,007	5,887,952	(1.4%)
2023	961,207	1,001,593	887,721	662,622	351,528	186,758	139,576	121,858	112,906	159,667	365,980	748,461	1,962,800	5,699,877	(3.2%)
2024	878,703	1,069,156	861,771	682,896	379,922	171,265	127,938	113,034	122,123	188,241	361,413	765,687	1,947,859	5,722,149	0.4%
2025	1,053,414	1,274,416											2,327,830	2,327,830	(59.3%)



WMGLD Distribution System Outlook 2025 - 2026

Presented By:

Vinnie McMahon – Senior System Engineer
Abderrahmane (Abder) Chlih – System Engineer
Paul Redmond – Electric Superintendent

2/28/2025

2024 Engineering and Substations Review

Burns Sub soil remediation complete – ready for park

Solar on 480 North Ave – complete

Beebe Sub Relay Upgrade – complete

Circuit 1380 UG feeder replacement – 35% complete

115kV line traps installed at Beebe Sub

Load balanced 13.8kV circuits

Energy Park engineering and site clearing – complete

200 Quannapowitt Pkwy – 50% complete

2024 Construction Review

Installed 800' of conduit on Hemlock Rd

Upgraded 1/3 of Circuit 1380

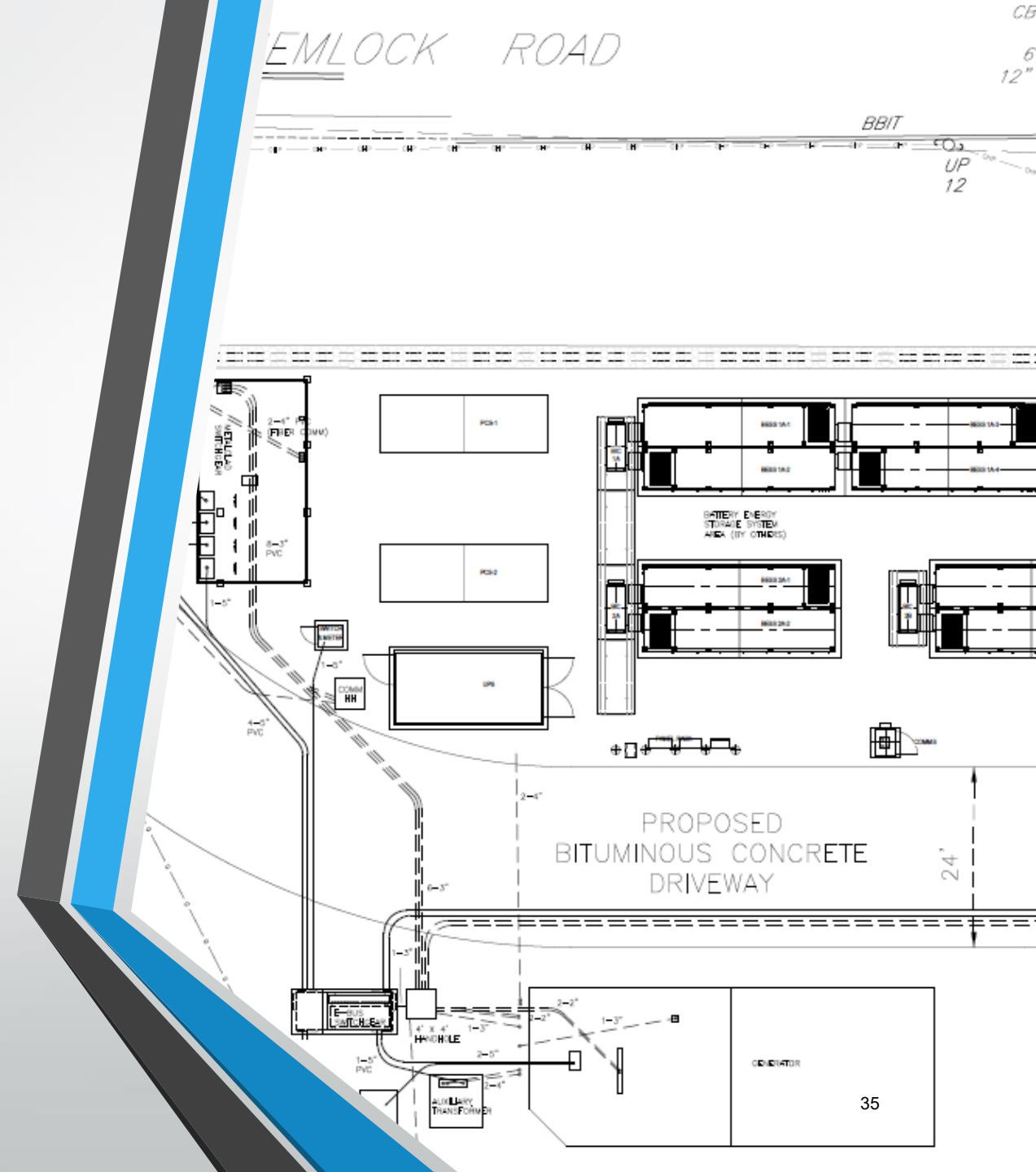
Aging pole replacement program and Hurricane Preparation
Added Reclosers and switches

Continued Open Wire Secondary Replacements

Transformer Load Management

Energy Park – 2025 Objectives

- Conduit/foundations will be installed winter 2025
- Battery storage system to be online by June 1st
- Generator equipment delivery Q3/Q4 2025
- Underground cable installation to both schools may start in Q4 2025





Solar at WMHS and NEMT

- Installing two solar arrays
 - 450 kW - WMHS
 - 360 kW - NEMT
- Plans are nearly complete and will go out for bid this spring
- Construction intended for summer 2026
- In-depth coordination required with the school's construction and architecture teams to ensure the schools are truly solar-ready

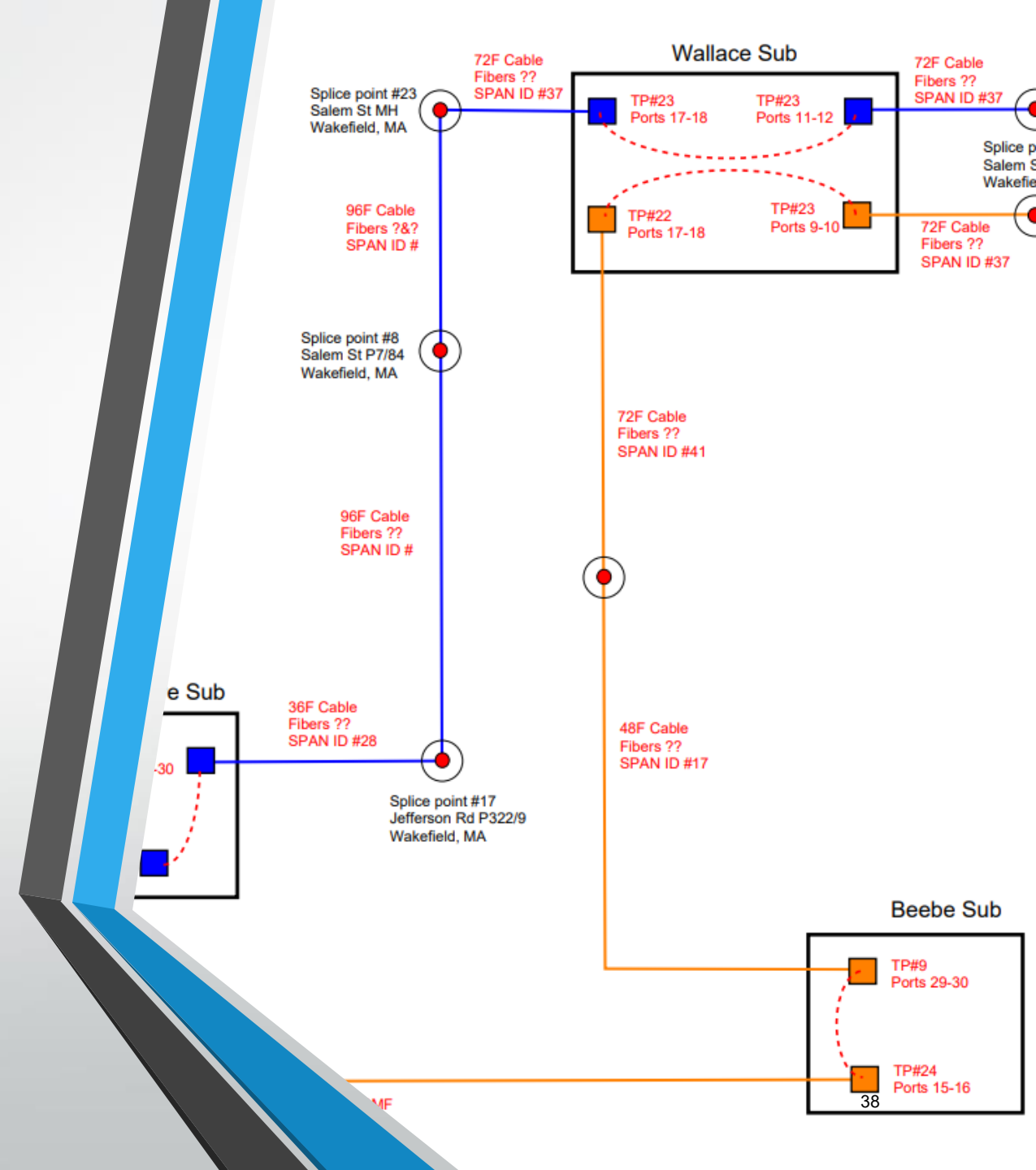


Hemlock Rd Reconductor

- Install 1500' of 477mcm spacer cable from Farm St to the Energy Park
 - A second feed will be installed later, likely in late 2025 or 2026
- Install temporary recloser for battery storage system (BESS) protection
- Increased cable size will accommodate the demand created by the BESS and the two new schools

Kimball Lane Fiber Optic Upgrade

- State Electric installed fiber through Lynnfield with Peabody Light's permission
- Greatly increased reliability and security for our critical gas substation
- Managing our own fiber optic records now – not reliant on contractor
- Plan to apply for a grant to build out our system physically and move to an enterprise fiber management software



Beebe Substation Upgrades

- Upgraded transformer protection in 2024 in preparation for growing DER connected to Beebe Sub
- In 2025, we are updating the load tap changer controls to allow for remote 5% voltage reduction
- This spring, we will swap circuits 0007 and 0012 to help spread out our future DER between Bus 1 and Bus 2



200 Quannapowitt Pkwy

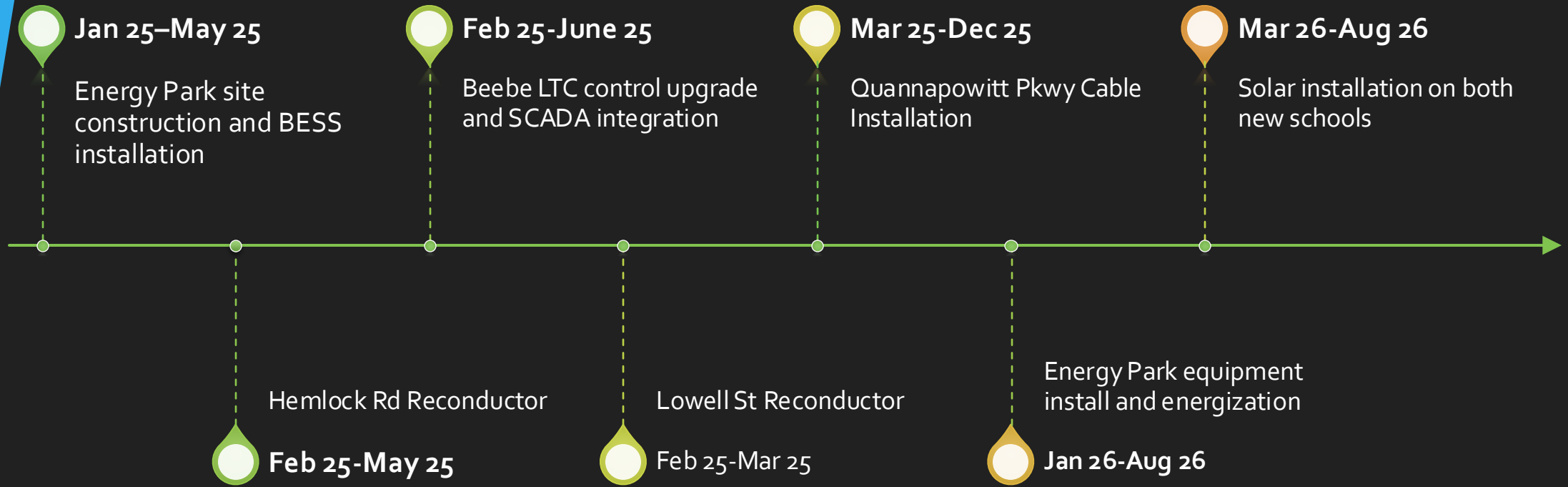
- 440 Apartment units, all electric with heat pumps and EV chargers
- Conduit installation nearly complete
- Cable scheduled to be installed spring 2025
- This includes OH to UG conversion of Quannapowitt Parkway on the Lowell St side



Lowell St Reconductor

- Install 2400' of 477mcm spacer cable to replace older existing cable
- Temporarily moved all customers on this section to another feeder
- Result will be increased utilization of an underloaded circuit from Beebe to feed 200 Quannapowitt Parkway (expected load of 2MW)

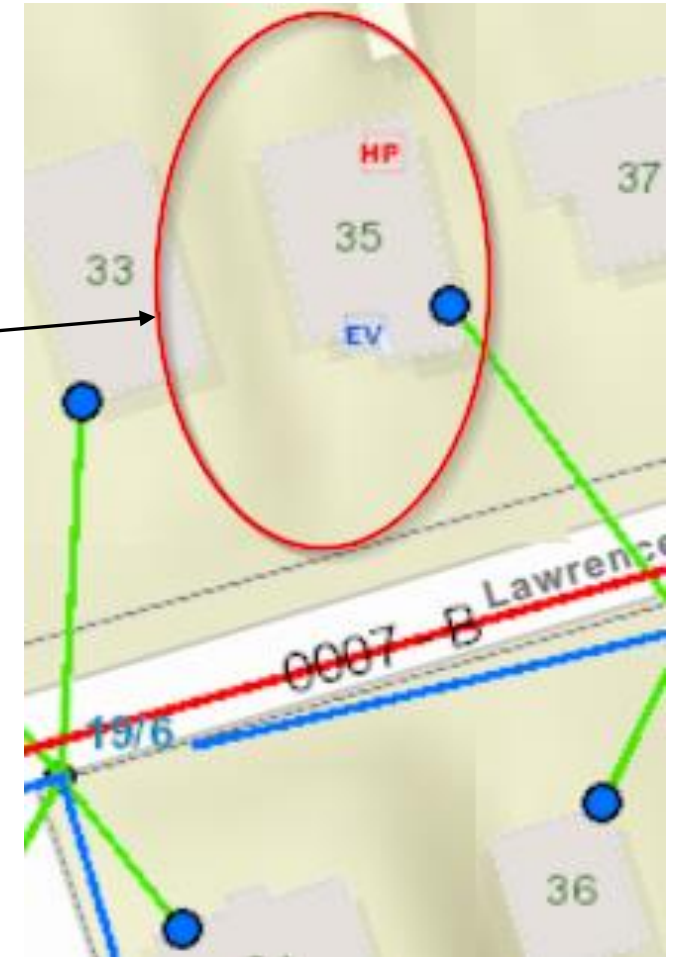
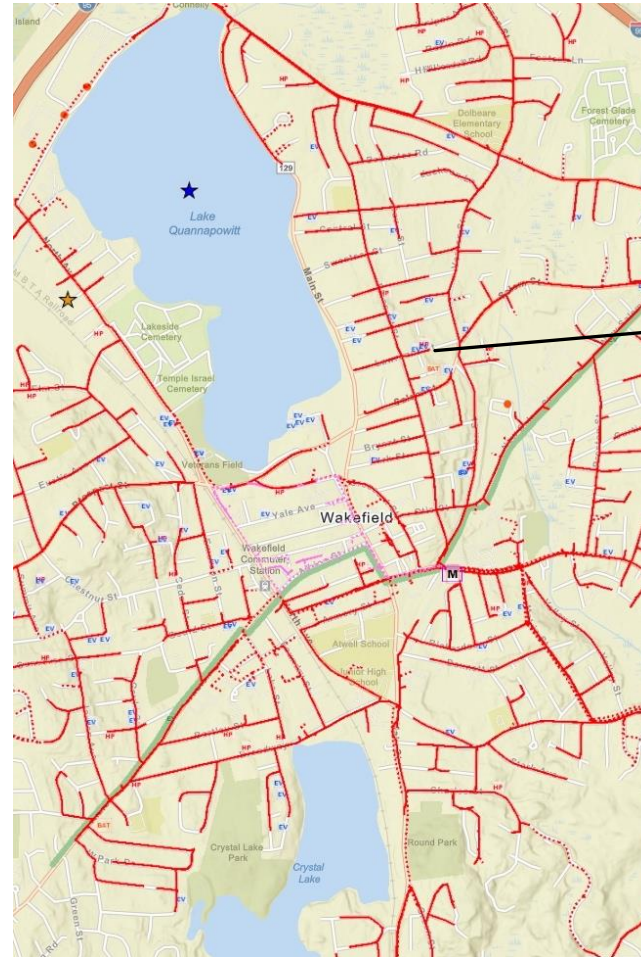
2025-2026 Project Calendar



ArcGIS Electric Vehicle Charger & Heat pump Layers

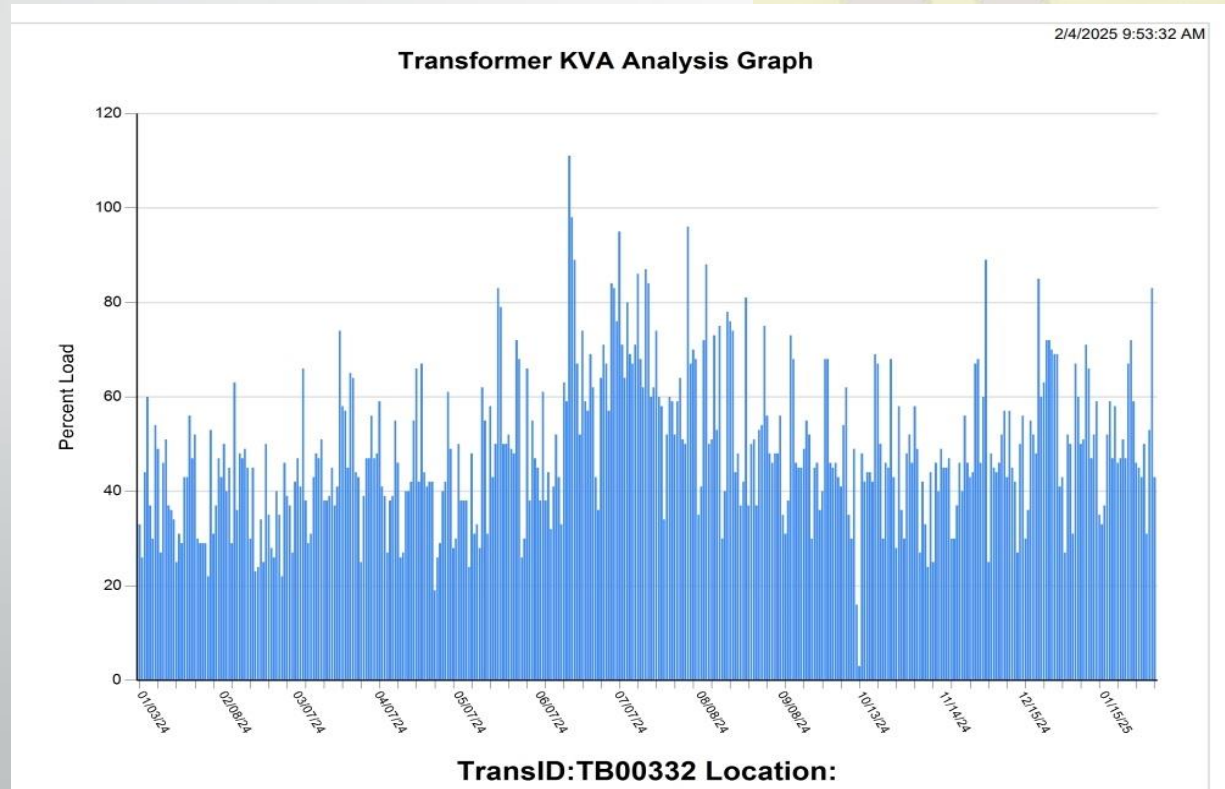
Tracks adoption of electric vehicle chargers in Wakefield

- Perform analysis to manage increasing load/demand
- Check capacity to add additional EV chargers or heat pumps to existing transformers
- Helps identify quickly growing areas for electric vehicles



Analysis Example

- This crib Has 4 EV chargers
- 37.5 kVA (156.25A)
- 1/0 secondary cable (260 A)



Essential Gas Pipe Network Data Management in ArcGIS

Safety is a top priority for our gas utility, so we ensure our assets are up to date.

- Improve and update ArcGIS Pipeline Referencing to extensions and services.
- Keep the gas GIS database current to meet the 60-day DPU requirement





Questions?



Brief IT Update

Cyber-Security Campaign 2025



Littleton Light & Water

- Occurred in 2023
- Made public about a month or so ago
- Hacked by a Chinese-state sponsored group called Volt Typhoon
- Volt Typhoon was on their system for over 300 days

Cyber-Security Campaign 2025



MMWEC

- Has digital fingers touching our system
- Was hit by a ransomware attack
- Immediately disconnected from our system
- Connection only reestablished after they were verified clean

Cyber-Security Campaign 2025

WMGLD

- Company-wide classes on cyber security
- Cyber security tabletop exercises
- External penetration test



LBER Issues

- Condo buildings have individual unit owners listed as the building owner
- The list still contains duplicate addresses
- Properties with multiple buildings do not specify the exact location at that address

Wakefield Municipal Gas & Light Department Commercial Electric Vehicle Charging Time-of-Use Rate (CEV-TOU)

Purpose and Applicability

The Commercial Electric Vehicle Charging Time-of-Use Rate (CEV-TOU) is designed to offer commercial customers an alternative Electric Vehicle (EV) charging rate for those who have installed a commercial grade charger(s).

To qualify for the CEV-TOU rate, commercial customers must have a second meter that is separate from the normal electric meter. This meter will be solely dedicated to Level-2 and/or Direct Current (DC) Fast Charger electric vehicle charging and thus will be metered separately from all other commercial electric usage.

The CEV-TOU is intended to reduce the peak load on the Department, while also giving customers a chance to receive electricity at a lower cost when charging at the specified times.

Included with the CEV-TOU are two distinct periods of electricity usage: On-Peak Hours and Off-Peak Hours (which will be determined by the Department on an annual basis). Charging during the Off-Peak hours will provide a discounted electricity price, and in contrast, On-Peak hours will charge a premium on electricity used.

At the option of the Department, qualifying commercial customers will be served under one of two rates based on intended usage, CEV-TOU A or CEV-TOU B. The parameters of these rates will be described below.

Rates

CEV-TOU A (Not for Resale):

For electric vehicle charger usage intended for internal use (not for resale), commercial customers may be eligible for CEV-TOU A. Under this rate, commercial customers will be billed under the same convention as the residential Electric Vehicle Meter Time-Use-Rate (EVM-TOU – MDPU No. 81), but with a different base rate structure (commercial instead of residential).

CEV-TOU A will operate under the Commercial Rate B (MDPU No. 77) structure with modifications to the Customer Charge and Energy Charge. For this rate, the off-peak discount and on-peak premium are related to the Energy Charge defined in Commercial Rate B. Below is a breakdown of the different components of CEV-TOU A:

Customer Charge \$5.00 per Month

Energy Conservation Charge \$5.00 per Month

Off-Peak:

Distribution Charge \$0.0470 per kilowatt-hour
Energy Charge \$0.0456 per kilowatt

On-Peak:

Distribution Charge \$0.0442 per kilowatt-hour
Energy Charge \$0.4780 per kilowatt-hour

CEV-TOU B (Resale Charging):

For electric vehicle charger usage with the intention of resale, commercial customers will be eligible for CEV-TOU B. Under this rate, commercial customers will be billed under a methodology that is tailored toward chargers available to the public.

CEV-TOU B will operate under the Power Rate C (MDPU No. 78) structure with modifications to the Customer Charge, Energy Charge, and Demand Charge. For this rate, the off-peak discount and on-peak premium are related to the Energy Charge defined in Power Rate C. Below is a breakdown of the different components of CEV-TOU B:

Customer Charge \$25.00 per Month

Demand \$9.00 per kilowatt

Energy Conservation Charge \$20.00 per Month

Off-Peak:

Distribution Charge \$0.0064 per kilowatt-hour
Energy Charge \$0.0428 per kilowatt

On-Peak:

Distribution Charge \$0.0442 per kilowatt-hour
Energy Charge \$0.2928 per kilowatt-hour

Billing Demand (CEV-TOU B Only)

The Billing Demand for any month shall be the greater of the following:

The maximum 15-minute measured demand during the month measured in kilowatts, or

70% of the maximum 15-minute measured demand as so determined using the preceding 11 months.

Purchased Power and Fuel Adjustment

The amount determined under the preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge (as defined in MDPU No. 80).

Energy Conservation Charge

An Energy Conservation Charge (ECC) is billed in accordance with the Department's ECC rate MDPU No. 79.

Minimum Bill

The Customer Charge

Discount

A discount of 10% will be applied to bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

Opting Out

Customers must remain on the CEV-TOU for at least one year from the date of their first bill at this rate.

Term of Contract

Subject to termination at any time upon notice.

Terms and Conditions

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

Date Issued:
May XX, 2025

Date Effective:
June XX, 2025

Filed by:

Peter D. Dion, General Manager
Sharon Daly, Chair
Thomas H. Boettcher, Secretary
Jennifer L. Kallay, Chair
Elton Prifti
John J. Warchol

480 North Avenue
Wakefield, Massachusetts 01880

1. Safety				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Reduce Lost-Time Accidents	Number of accidents	3		
2. Reduce Responsible Motor Vehicle Accidents	Number of major accidents (>=\$2,500 per accident)	2		
	Number of minor accidents (<\$2,500 per accident)	3		
3. Reduce Personal Injuries	Number of injuries	5		
4. Safety Training	Percent of employees trained	100%		

2. Electric & Gas Systems				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Minimize Frequency of Electric System Interruptions	System Average Interruption Frequency Index (SAIFI)	0.65		
2. Minimize Duration of Interruptions for Electric Customers	Customer Average Interruption Duration Index (CAIDI)	60		
3. Move gas services outside	Number of services moved outside	100		
4. Address gas leaks	Class 2 leaks active	0		
	Class 3 leaks	10		
5. Develop Long-Term Plans	Develop 3-Year Capital and O&M Plans	Complete action		
	Install Energy Park and operate BESS	Complete action		
	Refresh 10-Year Strategic Plan Every 3 Years	N/A, done in 2024		
6. Identify threats and risks to gas and electric systems	Climate/Physical: Document emergency response plan	Complete action		
	Cyber/IT: Inventory major systems and end of life expectations	Complete action		
7. Identify areas of potential stranded costs in the gas system	Develop options for reducing the impact of stranded costs	Complete action		

New, from Strategic Planning

New, from Strategic Planning

New, from Strategic Planning

3. Customer				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Evolve Offerings	Update energy efficiency/decarbonization offerings to better align with proposed regulations	Complete action		
2. Improve Marketing and Outreach of Customer Programs	Develop and implement marketing and outreach plans to support specific offerings or specific segments of the population	Complete action		
	Update website	Complete action		
	Program spending vs. budget	% of budget		
3. Reach and Engage Customers	Track participation and energy-related outcomes for customer offerings	Complete action		
	Implement Commercial EV TOU Rate	Complete action		
4. Explore New Rate Designs to Address Affordability	Evaluate seasonal heat pump rate	Complete action		

New, from Strategic Planning

New, from Strategic Planning

New, from Strategic Planning

4. Financial				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Manage O&M Spending	Electric actual spending vs. budget	% of budget		
	Gas actual spending vs. budget	% of budget		
	Vegetation management actual spending vs. budget	% of budget		
	Overtime (excluding Mutual Aid) % of Payroll	19%		
2. Manage Capital Spending	Electric actual spending vs. budget	% of budget		
	Gas actual spending vs. budget	% of budget		
3. Receive Unmodified Opinion on Annual Audit	Deficiencies	0		
	Months of cash on hand	3		
4. Manage Account Receivables	Monitor and develop a plan to address issues that arise	Complete action		
5. Monitor and evaluate other funding sources	Define decision-making criteria for pursuing funding opportunities	Complete action		

New, from Strategic Planning

5. Electric and Gas Supply				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Improve the coordination of electricity and gas forecasting	Develop coordinated electric and gas 10-year forecasts	Complete action		
2. Support Installation of Non-Carbon-Emitting Resources for Customers and the Community	Support Town solar efforts	Complete action		
	Identify potential resources and sites	Complete action		
3. Support Decarbonization of the Heating Sector	Support the Town on implementation of the Green Communities Energy Reduction Plan	Complete action		
	Reduce weather-normalized gas peak demand through implementation of Commercial EE program			
4. Support Decarbonization of the Transportation Sector	Procure low- and zero-emission vehicles for WMGLD fleet	3		
	Support and enable the Town to pursue economic development opportunities related to fleet vehicle charging			

New, from Strategic Planning

New, from Strategic Planning

6. Regulatory				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Update the Board on Legislative and Regulatory Matters	Provide updates to the Board	Complete action		
2. Solicit and Represent Board Input on Legislative and Regulatory Matters	Provide updates on Board conversations and Board votes to provide more formal comments to external parties	Complete action		
3. Comply with Legislation and Regulations	Greenhouse Gas Emission Standard (GGES)	50% by 2030		

7. Workforce				
Goals (What)	Measures (How/When/Metric)	Target	Evaluation	Rating (1 to 5)
1. Develop staff	Develop staff capabilities through Board presentations on projects or efforts Provide customer-specific training	Complete action Complete action		
2. Identify New Roles and Skillsets	Develop a succession plan for key leadership positions	Complete action		

New, from Strategic Planning

MMWEC Membership

Tariff Updates



March 17, 2025

MASSACHUSETTS MUNICIPAL WHOLESALE ELECTRIC COMPANY
A JOINT ACTION PUBLIC POWER AGENCY
MEMBERSHIP TARIFF UPDATE MEETING

MASSACHUSETTS MUNICIPAL WHOLESALE ELECTRIC COMPANY
LUDLOW, MA

MARCH 17, 2025
1:00 p.m.

VIA TEAMS MEETING

PROPOSED AGENDA

A. PROCEDURE

1. Call to Order
2. Approval of Agenda

B. CURRENT AGENDA

1. Update On Tariff Implementation/Potential Implementation Actions
2. Identification of Tariff Related Risk to Power Portfolios
3. Review of ISO's Proposed Tariff Cost Allocation Methodology
4. Discussion of Potential Alternative Tariff Cost Allocation Methodologies
- 5.
- 6.
- 7.

D. OTHER BUSINESS



Canadian Tariff Activity Updates

- **February 1st** – President Trump signed an executive order imposing 25 percent tariffs on nearly all goods from Canada and Mexico, and a 10 percent tariff on China.
- **February 3rd** - President Trump agreed to a 30-day pause of his tariffs on Mexico and Canada.
- **February 27th** – President Trump affirmed the tariffs against Canada and Mexico — and an additional 10 percent tariff on Chinese goods — would go into effect on March 4 “as scheduled.”
- **February 28th** - ISO New England made a filing with FERC under Exigent Circumstances to temporarily modify the tariff to allow ISO to collect potential import duties.
- **March 4th** - Tariffs on imports from Canada, Mexico and China go into effect.
- **March 6th** – President Trump suspends many of the tariffs placed on Canadian and Mexican products that comply with the US-Mexico-Canada-Agreement (USMCA). President Trump also affirmed 25% tariffs on imports of steel and aluminum beginning March 4th and reciprocal tariffs on April 2nd.



Canadian Tariff Activity Updates

- **March 10th** – MMWEC leading a coalition of New England Public Power intervenes on ISO New England's FERC Filing supporting the filing and requesting that any duties collected can be refunding if an alternate cost allocation method is developed.
- **March 10th** - Ontario, Canada's most populous province, announces its own tariffs, including a 25 percent surcharge on the electricity exported to Michigan, Minnesota and New York.
- **March 11th** – President Trump threatens to double tariffs on Canadian steel and aluminum imports in response to the electricity surcharge. Both sides backed down after several hours. Doug Ford, the premier of Ontario, said he would suspend the electricity surcharge, and Mr. Trump said he would “probably” reduce the tariff on Canadian metals. The parties agreed to meet on March 13th to discuss a path to negotiate trade differences.
- **March 13th** – Officials from Canada and the U.S. meet. The outcome of the meeting is that there will be **more tariffs announced on April 2nd**.



Tariff Cost Allocations

ISO's FERC Filing Proposes That Sellers of Electricity Will Pay The Tariff

ISO Estimates The Costs of the Tariffs in the \$66M to \$165M Range Annually

Pursuant to ISO's FERC Filing Load Will Not Pay Directly

Load Could Be Impacted Indirectly & Potentially To A Greater Degree

Assumptions

2023 Average Real Time LMP	\$	37.15	MWh	Source: Google AI
2023 Total Electricity Use		114,724	GWh	Source: ISO New England Net Energy and Peak Load Report
2023 Canadian Electricity Imports		13%		Source: CBS News Sighting New England Canada Business Council
2023 Imports Set LMP		20%		Source: ISO New England at PC Meeting 3/6/25
Tariff Rate		10%		Source: Executive Order 14198

Calculations

2023 Electricity Market Value	\$	4,261,996,600	(GWh*1000)*price per MWh
2023 Canadian Imports (\$)	\$	554,059,558	2023 Electricity Market Value (\$) * 2023 Canadian Import %
2023 Tariff Cost	\$	55,405,956	2023 Canadian Imports (\$) * Tariff Rate (%)

2023 Electricity Market Value	\$	4,261,996,600	(GWh*1000)*price per MWh
2023 LMPs Set By Canadian Imports	\$	852,399,320	2023 Electricity Market Value (\$) * 2023 Canadian Imports Set LMPs %
2023 Potential LMP Tariff Impact	\$	85,239,932	2023 LMPs Set By Canadian Imports * Tariff Rate



Note: The Calculations Are Very Preliminary & Subject to Validation

Canadian Tariff Updates Summary

Expect More Tariff Activity

- **April 1st** - The Next Expected Major Event Day As Canada & the EU Tariffs Take Effect
- **April 2nd** – U.S. Expected To Implement Reciprocal Tariffs

FERC to Rule on ISO Filing By March 31st

Still Unclear if Electricity Imports Are Included in the Tariffs

Impact to LMPs Could Be Greater Than Direct Tariff Charges

Tariffs On Canadian Oil & Gas Imports Could Impact LMPs

Maintain Hedging Strategy To Mitigate This Volatility

