

**BURLINGTON**  
**BOARD OF ELECTRIC COMMISSIONERS**  
585 Pine Street  
Burlington, Vermont 05401  
*To be held at Burlington Electric Department (and)*  
*Via Microsoft Teams*  
[+1 802-489-6254](tel:+18024896254)  
Conference ID: 636 059 465#

LARA BONN, CHAIR  
ALI KENNEY  
SCOTT MOODY  
ANDY VOTA, VICE CHAIR  
BRIAN WILLIAMS

**AGENDA**  
**Regular Meeting of the Board of Electric Commissioners**  
**Wednesday, December 10, 2025 – 5:00 PM**

- |   |           |
|---|-----------|
| 1. Agenda   | (5 min.)  |
| 2. Minutes of November 12, 2025 Meeting   | (5 min)   |
| 3. Public Forum   | (5 min.)  |
| 4. Monthly Impact Minute (discussion)   | (5 min.)  |
| 5. Commissioners' Corner (discussion)   | (5 min.)  |
| 6. GM Update (oral update)  | (10 min.) |
| 7. Financials: October FY25 (discussion): Emily Stebbins-Wheelock               | (10 min.) |
| 8. McNeil CY26 Budget (discussion and vote): Lincoln Sprague and Michael Harron | (20min.)  |
| 9. Proposed Cybersecurity Scorecard (discussion): Erica Ferland                 | (20 min.) |
| 10. Velerity Report (discussion): General Manager Springer                      | (10 min.) |
| 11. Commissioners' Check-In   | (5 min.)  |

Attest:   
Elena Alexander, Board Clerk

If anyone from the public wishes to speak during the public forum portion of the Commission Meeting and/or wishes to be present for the Meeting of the Board of Electric Commission via Microsoft Teams, please email [ealexander@burlingtonelectric.com](mailto:ealexander@burlingtonelectric.com) to receive a link to the Meeting.

**Note:** Members of the public may speak during the Public Forum, or when recognized by the Chair during consideration of a specific agenda item.

**DRAFT MINUTES OF REGULAR MEETING  
BURLINGTON ELECTRIC COMMISSION**

**Wednesday, November 12, 2025**

The regular meeting of the Burlington Electric Commission was convened at 5:01 pm on Wednesday, November 12, 2025, at Burlington Electric Department, 585 Pine Street, Burlington, Vermont, and on Microsoft Teams.

**Attendance**

- Channel 17 was present to record this meeting.
- Commissioners Lara Bonn, Ali Kenney, Scott Moody, Andy Vota, and Brian Williams were present.
- Staff members Elena Alexander, Paul Alexander, Jen Green, Amanda Hurlbut, Mike Kanarick, Munir Kasti, Ita Meno, Lincoln Sprague, Darren Springer, and Emily Stebbins-Wheelock were present at 585 Pine Street.
- Staff members Seth Clifford, James Gibbons, and Amber Widmayer were present via Microsoft Teams.
- Public member Peter Macausland was present at 585 Pine Street.

**Agenda**

There were no proposed changes to the agenda.

**Meeting Minutes**

Commission Chair Bonn made a correction to the statutes cited, stating that the Cyber Security Executive Session should have cited 1 VSA §313(a)(10), and the Financial Audit Executive Session should have cited 1 VSA §313(a)(6). The minutes have been updated to reflect these changes. Commissioner Moody made a motion to approve the minutes of the October 8, 2025, Commission Meeting; Commissioner Kenney seconded the motion. Vote: 4 ayes 0 nays Commissioner Williams abstained as he was not on the commission during the October 2025 meeting.

**Public Forum**

There were no public comments.

**Monthly Impact Minute**

Ita Meno, Project & Equity Analyst, provided an update on the progress of the Department's multilingual instructional videos.

- An APPA DEED grant of \$44,000 plus \$8,000 from Efficiency Vermont and Vermont Gas is being used to produce four multilingual videos in 17 to 19 languages.
- The first video on home weatherization and comfort is complete, focusing on living habits and energy efficiency.

- Three other videos are in progress: one on cooling/heating being revised for accessibility, one script on alternative transportation under review, and a final video on efficient household appliances aimed at renters.
- Videos will be available by March 2026, with plans for social media segments and promotional events in partnership with community organizations.
- BED will continue integration with existing energy clinics and events to maximize impact.

### **Commissioners' Corner**

- Commissioner Moody requested clarification regarding the incorrect statute citation that was made for last month's executive session. Commissioner Bonn explained that the executive sessions are still legally valid under the new statutes cited.
- Commissioner Kenney requested an update on the miscellaneous service fees discussion from the Board of Finance and City Council.
- Commissioner Kenney requested updates to include how the Board will be integrated into the Velerity report process, the status of and Commission involvement in the Integrated Resource Plan (IRP), and the current progress of the Connecticut REC RFP process.

### **General Manager's Update**

General Manager Springer shared the following:

- The 2023 IRP approval has been delayed due to litigation and is pending a Public Utility Commission (PUC) order; an extension for the 2026 IRP has been requested. The IRP is a planning framework without binding decisions. Operations may continue despite lack of formal IRP approval. Separate approvals are needed for key decisions regardless.
- A hybrid solar power event for commercial properties discussing solar tax credits is scheduled for November 19, emphasizing opportunities before federal residential tax credits phase out.
- The proposed revisions to the Department's miscellaneous service fees were approved by both the Board of Finance and City Council with an implementation delay to April 2026 to accommodate ongoing customer projects, with communication plans in place.
- An Efficiency Modernization Act extension in the upcoming legislative session is critical to continue funding innovative programs like heat pump incentives and EV rebates; its expiration would reduce incentive levels.
- GM Springer invited Mike Kanarick, Manager of Customer Care, Communications, and Energy Services, to provide customer satisfaction survey follow ups. Takeaways included: renters and homeowners have very different needs; not enough renters and homeowners know about our rebates; fewer renters take advantage of rebates and have fewer opportunities to do so based on not owning their homes. Action steps discussed included: creating entry-points for renters to benefit more from rebates; work to survey at least as many renters as homeowners in future surveys; make more effective use of customer segmentation intel to more effectively communicate about our rebates; find ways to get more customers, especially renters, to take advantage of rebates. The results also revealed financial challenges including bill pay fees, rate increases, and other community conditions leading to decreased rebate inquiries, especially among commercial customers. Barriers to electrification include costly electric panel upgrades and contractor recommendations

favoring gas equipment; programs and dealer networks exist to improve contractor practices and customer education.

- Key regulatory proceedings and events continue, including the Business Process Review, District Energy docket, and ongoing advocacy for efficiency funding extensions and new electrification support programs.

### **September 2025 Financial Review**

Emily Stebbins-Wheelock, CFO and Manager of Strategy & Innovation, presented financial results for September 2025.

- September net income was \$2.1 million vs. a budgeted net loss of \$753,000, mainly due to timing differences in renewable energy credit revenues.
- Sales to customers revenue was up slightly by \$75k.
- Power supply revenues for the year to date are below budget because of lower McNeil production, resulting in fewer renewable energy credits to sell than expected.
- Net power supply expense had a favorable variance of \$122k: higher fuel costs from increased McNeil production and gas turbine R99 testing were offset by reduced purchased power and transmission costs.
- Other O&M expense had a slight positive variance of \$86k.
- Year-to-date net income of \$1.7 million exceeds budget by roughly \$447k.
- Commissioner Kenney asked how the Department plans for changes (growth or decline) to sales to customers over the long run.
- Ms. Stebbins-Wheelock responded that over the past 10 to 15 years energy sales have been flat or declining due to efficiency gains and industrial load loss, creating pressure on rates as fixed costs and capital expenses rise. Strategic electrification (EVs, heat pumps) is therefore not only good for the climate but also good for the Department's business model, as it supports increased energy sales, helping to mitigate rate pressure. The Department engages Itron to conduct a long-range energy and demand forecast for the IRP.
- Capital spending is 10% of budget through September, with some timing delays on transformer deliveries.
- Cash position is stronger than budgeted (\$15.2M vs. \$14M).
- Debt service coverage ratio is 4.57, adjusted debt service coverage ratio is 1.16, and there are 159 days cash on hand including credit line.
- Commissioner Kenney requested clarification on the net zero roadmap goals. Ms. Stebbins-Wheelock explained that the goals are ambitious and mostly have annual targets without YTD tracking; adding YTD columns and clearer labeling will improve progress visibility for future discussions.
- GM Springer noted that the Tier 3 program goal is currently exceeded at 170%, serving as a useful performance metric alongside broader net zero targets.

### **Financial Internal Controls**

Controller Amanda Hurlbut presented the following:

- The company's internal controls for fiscal year 2025 are based on the Committee of Sponsoring Organizations of the Treadway Commission (COSO) framework, focusing on preventing errors, fraud, and resource mismanagement, with emphasis on fraud prevention.

- Internal controls address the fraud triangle's three conditions: incentives/pressure, attitudes/rationalization, and opportunity.
- The five COSO components covered are control environment (ethical culture set by management), risk assessment (identifying and managing financial and operational risks), control activities (policies like segregation of duties and approval processes), information and communication (effective flow of financial data and employee awareness), and monitoring (ongoing evaluation and updates).
- Control activities include segregation of duties in cash handling, multi-level purchase and payment approvals, and ongoing financial reviews; plans are underway to implement new financial software by July 2027 to improve these processes.
- Training in internal controls currently focuses on finance staff, but company-wide controls training is planned to promote alignment and awareness beyond the finance department.

### **FY2025 Audited Financials**

Ms. Hurlbut presented the following:

- The statement of net position (balance sheet) provides a year-end snapshot showing assets, liabilities (current and long-term), and net position as accumulated historical net income totaling \$68 million out of \$193 million total assets.
- Significant debt via bonds supports capital projects that grow infrastructure and asset base; a \$5.4 million increase in net capital assets was mainly funded by 2022 revenue bond proceeds and ongoing construction projects.
- Regulatory assets and liabilities are accounting mechanisms approved by the Public Utility Commission to smooth costs and rate impacts over multiple years, ensuring equitable customer rates.
- The statement of revenues, expenses, and changes in net position showed an improved operating income of \$750,000 for fiscal 2025, driven by a \$3.7 million increase in operating revenues offsetting a \$3 million rise in purchased power and transmission expenses, with non-operating income contributing \$3.9 million.
- The statement of cash flows demonstrated strong cash from operations (\$7.9 million) but negative cash from capital/financing activities (\$17.3 million) due to increased capital asset acquisitions, while investing activities contributed \$10.1 million mainly from interest and dividends.
- The EEU financials showed minor asset increases and net position improvement (\$840,000), reflecting a recent rate increase and market conditions, with slight reductions in expenses and liabilities.

### **BED's 2025-26 Property/B&M Insurance Renewal**

- The property, boiler & machinery insurance is the largest insurance line for the Department, covering all tangible assets with a complex arrangement of four carriers sharing the risk.
- The annual policy renewal runs from November 20, 2025, to November 20, 2026, with a not-to-exceed premium of \$718,024.29, reflecting a 6.39% reduction from the budgeted renewal estimate.
- The insurance covers a wide range of perils and assets, including generation stations, substations, buildings, and equipment, with some deductible increases under consideration to manage risk and costs.

- The Department uses an insurance agent (Acrisure, formerly Hickok and Boardman) rather than a broker, collaborates with the City on shared insurance lines, and continuously evaluates valuation methods and risk mitigation strategies.
- Despite a historically difficult “hard market” and premium spikes, recent efforts have stabilized premiums, and the policy renewal was unanimously approved for binding with A-rated carriers.

Commissioner Moody made the motion to authorize the General Manager of Burlington Electric Department or their designee, to execute the Property, Boiler & Machinery insurance coverage renewal contract with AIG/ZURICH/STARRTECH/AEGIS for the policy period 11/20/2025 through 11/20/2026 with a not to exceed premium of \$718,024, as outlined in this memo, subject to review and approval of the City Attorney’s office, the City’s CAO, Board of Finance, and the City Council. Commissioner Williams seconded the motion. Motion passes, 5 ayes 0 nays

**Commissioners’ Check-In**

Commissioners welcome Brian Williams as a new member of the Commission.

**Adjourn**

Commissioner Moody made a motion to adjourn; the motion was seconded by Commissioner Vota; Commission vote. Motion passes, 5 ayes 0 nays

The meeting of the Burlington Electric Commission adjourned at 6:59p.m.

*Microsoft Teams transcript used to create minutes drafted by Elena Alexander, Board Clerk. Amended by Mike Kanarick, Manager of Customer Care, Communications & Energy Services and Emily Stebbins-Wheelock, CFO & Manager of Strategy and Innovation.*

Attest:  \_\_\_\_\_  
Elena Alexander, Board Clerk



To: Burlington Board of Electric Commissioners

From: Darren Springer, General Manager

Date: December 5, 2025

Subject: November 2025 Highlights of Department Activities

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### **General Manager – Darren Springer**

- Velerity report – discussed/presented at TEUC Nov. 25<sup>th</sup>, separate agenda item for Commission.
- Regulatory updates –\_will present verbal update at next meeting.
- Relevate Contract –\_second 5 years of the 10 year agreement at Board of Finance 12/15.
- BED/SunCommon Commercial Solar Webinar –\_available at <https://www.youtube.com/watch?v=IbTODRfk74o>

### **Center for Innovation – Emily Stebbins-Wheelock**

- Filed revised miscellaneous service fees tariff with PUC.
- Filed 2026 Tier 3 Plan with PUC.
- SCADA Distribution Management System modules went live.
- Replaced CEMS servers at McNeil.
- Sustainability Director attended New England Municipal Sustainability meeting in Durham, NH. Served as a panelist on “split incentives” and highlighted Burlington’s Rental Weatherization ordinance.
- Project & Equity Analyst tabled with VGS and the Health, Legal and Energy Clinic at Family room and participated in Old North End “paperwork night.”

### **Center for Safety and Risk Management – Paul Alexander**

#### **Safety**

- The Safety Team conducted weekly Tuesday morning safety briefings with operations personnel. PreJob tailboards are covered, as well as weekly assignments for Operations with Engineering Support. System Operations gives weekly SCADA updates.
- The Safety and the Operations Team completed the conversion to a new PPE rubber gloves and sleeves tester. Gloves are evaluated at a lab once per month. The new operators are logistically closer to BED thus more reliable deliveries are expected.
- Work continues with the new SCADA implementation. The Safety Team is part of a working group assessing and adjusting the field safety practices in relation to Switching & Tagging procedures.
- The Safety Team made numerous site safety visits to various McNeil contractors, Winooski One Contractors, and BED job sites.

#### **Environmental**

- The Environmental Team during the McNeil Fall Outage completed an overhaul of the servers hosting the data acquisition and handling system (DAHS) that logs all our emissions data for Federal and State

reporting. The existing PLC was rewired and placed into a new server rack, with drawings being pulled for update. The existing software was installed into the new servers, evaluated, and released.

- The Environmental Team hosted training for Cirrus User Training and Cirrus EDR Training for USERS of the CEMS system.

### **Risk Management**

- Reviewed/prepared/presented our 11/20/25 Property/B&M Insurance renewal info for BOF/CC/BEC meetings with a “not-to-exceed” amount of \$718,024.29
- Attended/prepared for Q&A at NPCC/NERC Compliance consultant (Utility Services) “Client Day” panel discussion re: our recent self-certification audit (PRC-005, PRC-006)
- Closed out Digsafe Power outage claim with contractor and Comcast regarding alleged mismarked underground lines and resulting power outage (lost revenue)

### **Purchasing/General Services**

- Award Letter of Intent for EV Forklift sent to Northern Toyota, when purchase proposal has been vetted, we will issue the Purchase Order & estimated delivery date after August 2026
- Award Letter of Intent for EV Bucket Truck to Altec Industries, we will work next month to finalize the layout of body utility/compartments placement. Then purchase proposal will be vetted, we will issue the Purchase Order & estimated delivery date January 2027
- RFP proposal back for the Distribution area upgrade HVAC system to Heat Pumps.

### **Center for Operations & Reliability – Munir Kasti**

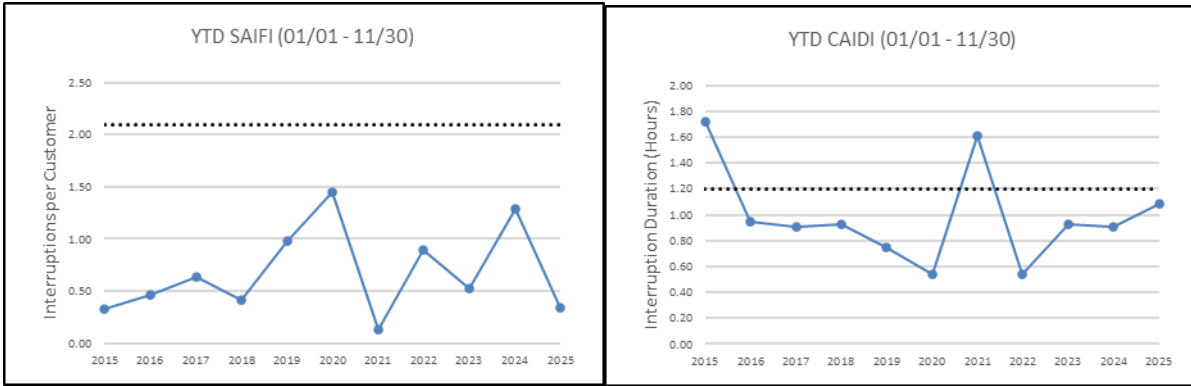
#### **Engineering, Grid Services & Operations**

- Issued a work order for rebuilding the overhead distribution circuits along Isham Street.
- Completed overhead distribution circuit rebuild work on Clover Lane.
- Completed customer service upgrades on Marble Avenue, Grant Street, and Pearl Street.
- Completed street lighting upgrades along Pine Street between Maple Street and Main Street.
- Completed a new service on South Winooski Avenue.
- Replaced the existing 316S loadbreak switch on Pine Street with a new loadbreak switch.

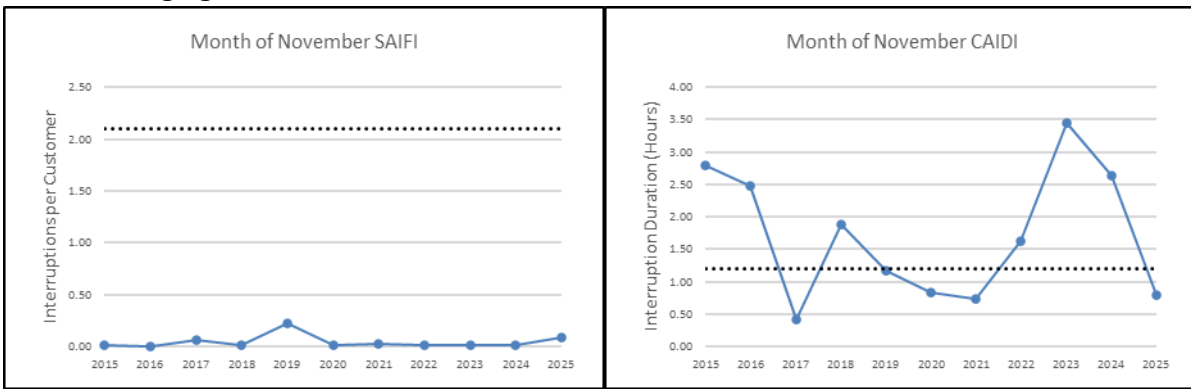
#### ***SAIFI & CAIDI Outage Metrics:***

BED’s distribution system experienced 16 outages in November 2025 (7 unscheduled and 9 scheduled). BED’s SAIFI for the Month of November was 0.08 interruptions per customer and CAIDI was 0.79 hours per interruption. BED’s YTD SAIFI is 0.34 interruptions per customer and YTD CAIDI is 1.09 hours per interruption.

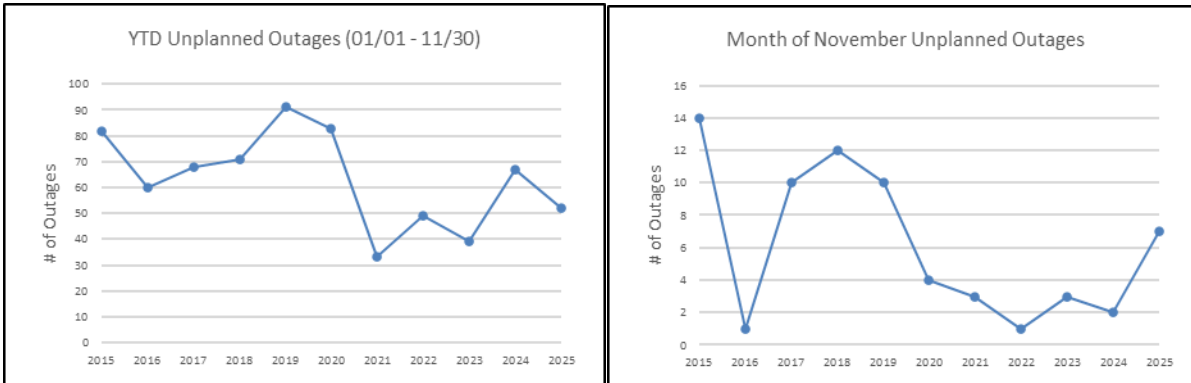
The following figure shows BED’s historical YTD SAIFI and CAIDI:



The following figure shows BED’s historical November SAIFI and CAIDI:



The following figure shows BED’s historical Unplanned Outages:



**Generation**

**McNeil Generating Station**

Month Generation: 8,530 MWh  
 YTD Generation: 187,935 MWh  
 Month Capacity Factor: 23.69%  
 Month Availability: 23.26%

Hours of Operation: 167.5 hours

McNeil has completed the outage and Continuous Emissions Monitoring System (CEMS) server upgrade and is back online for the winter run.

**Winooski One Hydroelectric Station**

Monthly Generation: 2,538.1 MWh  
YTD Generation: 15,211 MWh  
Month Capacity Factor: 48%  
Annual Capacity Factor: 25.64%  
Month Availability: 70%

Winooski One has continued with the FERC relicense impact studies including a fish injection study that required flow manipulation. The turbine overhaul has been completed with 3 units back online. Water flow has increased, resulting in a significant output.

**Burlington Gas Turbine**

Month Generation: 52.80 MWh  
YTD Generation: 663.40 MWh  
Month Capacity Factor: 0.32%  
Month Availability: 100%  
Hours of Operation Unit A: 5.1 hours  
Hours of Operation Unit B: 5.1 hours

**Solar (Pine Street 107 kW)**

Month Generation: 3 MWh (-22% from previous year)  
YTD Generation: 101 MWh  
Month Capacity Factor: 3.9%  
Month Availability: 100%

**Solar (Airport 499 kW)**

Month Generation: 16 MWh (-25% from previous year)  
YTD Generation: 524 MWh  
Month Capacity Factor: 4.4%  
Month Availability: 100%

**Center for Customer Care & Energy Services – Mike Kanarick**

**Energy Services**

***UVM & UVMMC***

- UVM / Virtue Field Support Building – This new construction project supports activities at UVM’s Virtue Playing Field. Virtue Field is an artificial turf on-campus stadium at UVM. It is home to the Vermont men’s and women’s lacrosse teams, as well as the men’s and women’s soccer teams. The building consists of men and women’s bathrooms, four team rooms and a concession stand.
- UVM Howe Library / HVAC Re-Commissioning – UVM’s controls group implemented control sequence improvements in the Howe Library’s DDC during late spring of this year. This included implementation of an occupancy schedule, improved variable frequency drive (VFD) control of ventilation fans, and

implementation of an economizer sequence. BED received trending data from UVM last month for electric, chilled water and steam use and we have begun an analysis to determine a magnitude of energy savings for the project.

- (JY) UVM Medical Center / Chiller System Economizer Heat Exchanger – This project included the installation of a heat-exchanger system coupled to the existing cooling tower which allows chilled water to be supplied to the hospital without the need to run any chillers. Previously at least one chiller was required to be run throughout the winter and shoulder season months. The savings calculations have been completed, and a BED site visit is also pending.

### **Other Services**

- Continued Decline in New Development and Energy Efficiency Activity
  - As previously reported, over the past several months few new construction zoning applications have been submitted to Department of Permitting and Inspections (DPI), indicating a decline in near term new development. High lending costs and construction costs continue to slow this market.
  - ES also continues to see a slowdown in EEU and Tier 3 activity with smaller and medium-sized commercial customers. As report widely in the media, these customers continue to face economic headwinds where discretionary energy efficiency, and beneficial electrification improvements, are understandably not a priority. BED and VGS continue to work with the Burlington 2030 District and CEDO/Business and Workforce Development (BWD) to get the word out about our services and that we are here to help.
- ES continues to:
  - Work on several projects including the replacement of an 80-ton electric chiller at the Converse Home, the major renovation to the Integrated Arts Academy and the renovation of the Pathway Vermont Soteria House.
  - Support the customer care team with a number of residential and commercial customer high bill concerns.
  - Partner with the VGS ES team on a number of residential weatherization and heat pump projects and commercial retrofit projects.

### **Electric Vehicles & Charging Stations**

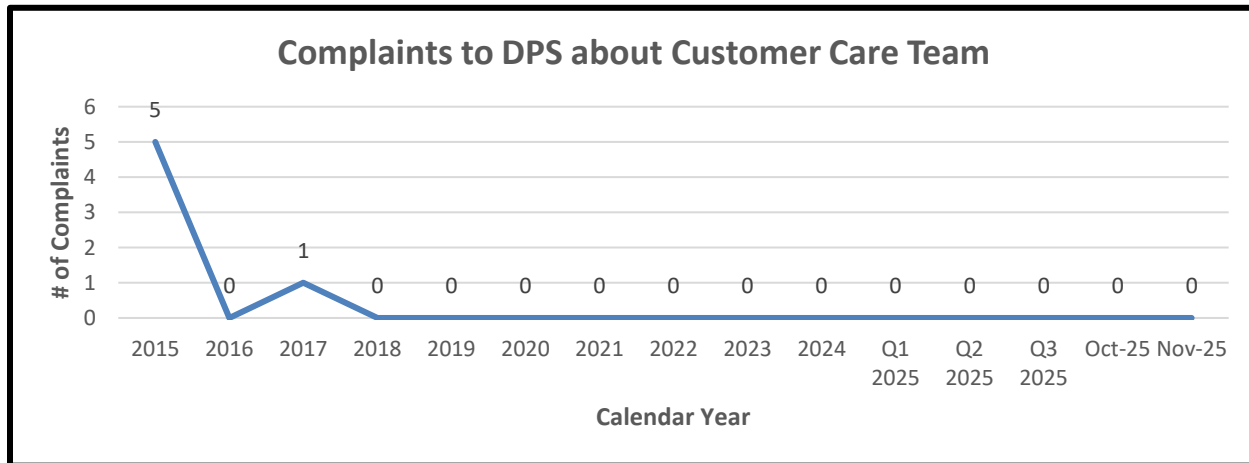
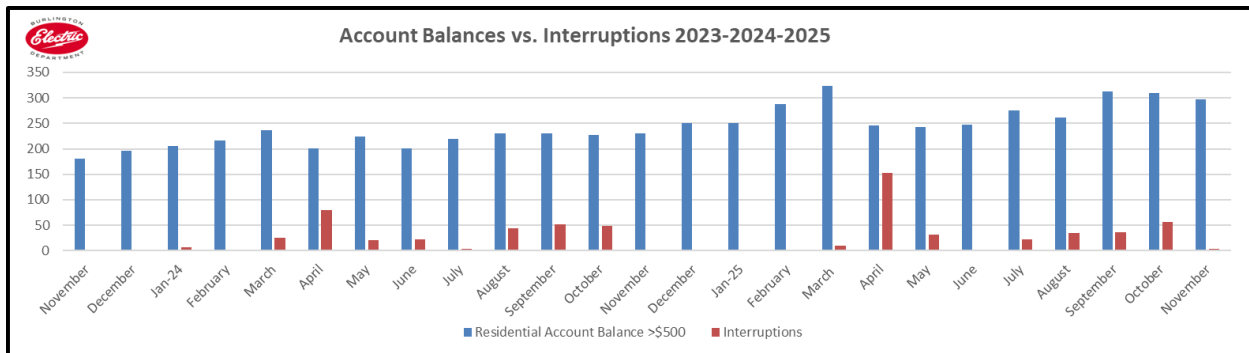
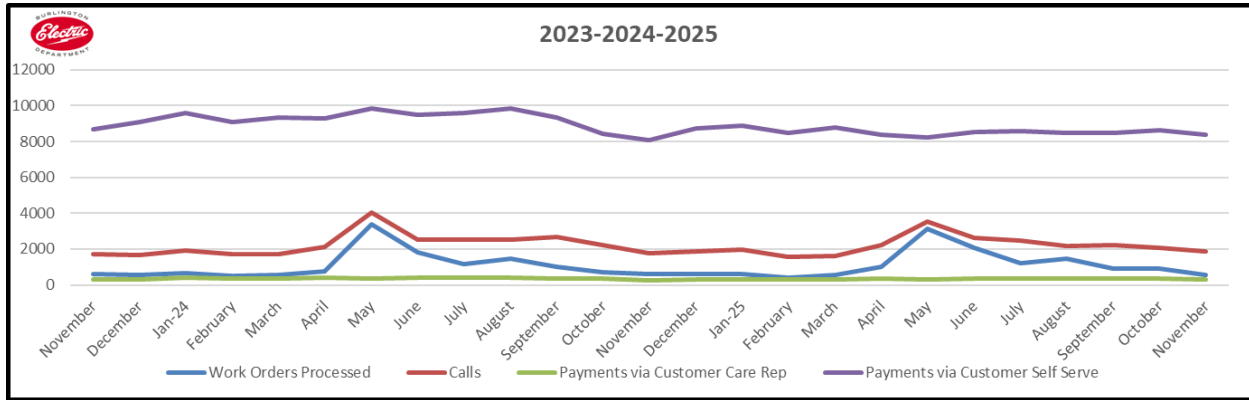
- The EVSE (ChargePoint, Flo & AmpUp) dispensed a total of 41.3MWh and supported 2,053 sessions.
- The ChargePoint EVSE served 824 unique drivers.
- The top 3 sales on the ChargePoint network were 102kWh, 106kWh, and 109kWh and occurred at the Cherry St. Garage and the Pease Lot DCFC.
- Approximately 45% (or 18.6MWh) of the energy sold from the entire network is attributed to the Pine St., Marketplace Garage, and Pease Lot DCFC's. The Pine St. DCFC dispensed the most energy.
- EV and PHEV rebates to date – 1,169 (of this 262 LMI rebates to date)
- Customers currently participating in the new EV Charging Rate- 424
- Single-family & multifamily home EV charging stations rebates to date – 397

### **Heat Pump Installations to Date**

Total Heat Pump Technology Installations including Multi-Family New Construction Projects & Installations in existing buildings since the September 2019 NZEC announcement – **3,155 installations** (of this 243 LMI rebates to date)

**Customer Care**

- **Call Answer Time (75% in 20 seconds):** November 2025 80.3%, October 81.7%, September 75.9%, August 78.4%, July 77.5%, June 69.4%. November 2024 84%, October 80.6%, September 2024 75.2%, August 83%, July 76.5%, June 74.6%.
- **November 2025 Stats:** please see dashboard for additional metrics categories.

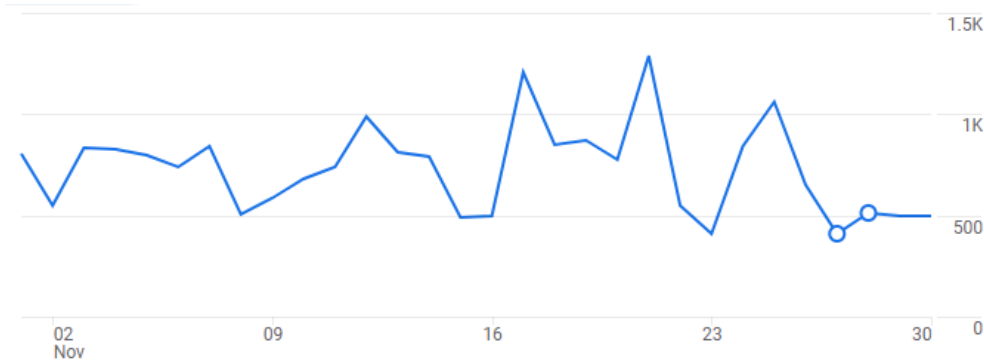


**Communications and Marketing**

- Customer Care Personnel Update
  - Andi Higbee, Director of Customer Care, has accepted a new position within BED – Director of Systems Operations, which he will begin on December 29. Mike Kanarick, Manager of Customer Care,

Communications, and Energy Services, will assume Andi’s customer care responsibilities going forward for at least the next several months. Danielle Cox began work as Temporary Cashier at BED on December 4 and will work through May or June 2026.









- Senior Customer Care Representative (CCR) James Allison and CCR Charity Wright attended the Consumer Affairs and Public Information (CAPI) Division of the Vermont Department of Public Service annual training summit on December 4.
- Annual Net Zero Energy Calendar Contest: Our calendar contest celebration was held at BED on Wednesday, December 3 for the winners, their families, teachers, and principals, complete with pizza, cake, certificates, and goodie bags, along with appearances by the Mayor and Lake Monsters’ mascot CHAMP. Visit our [website](#) for great photos and an event recap.
- Highlight: for the 8<sup>th</sup> year, BED and VGS have partnered with Burlington’s New Year’s Eve event, Highlight. This year, we provided buttons (which serve as tickets to Highlight) to our NZE Calendar Contest winners and their families and hope to work with Burlington nonprofits to distribute additional tickets to help make it possible for Burlingtonians who otherwise may not have the ability to attend Highlight to enjoy the amazing activities as we ring in the New Year.
- Net Zero Energy Podcast: we invite you to take a listen at [burlingtonelectric.com/podcast](http://burlingtonelectric.com/podcast). Our latest episode features now-retired Chief Forester Betsy Lesnikoski, who reflects on changes and advances she saw during her 42 years with BED.
- Full website visits for November 2025



- Top-performing Facebook & Instagram posts

Betsy’s podcast episode, electric panel upgrade fee announcement, outage

	Extra special episode! Retiring Chief Forester Betsy L...	Boost	...	Tue Nov 25, 8:05am	66	4
	Extra special episode! Retiring Chief Forester Betsy L...	Boost	...	Tue Nov 25, 8:04am	1.7K	16

 Photo ·  burlingtonelectric	<input type="button" value="Boost"/> <input type="button" value="⋮"/>	Wed Nov 19, 10:34am	75	2
 Photo ·  Burlington Electric Department	<input type="button" value="Boost"/> <input type="button" value="⋮"/>	Wed Nov 19, 10:33am	1.5K	1
 Photo ·  Burlington Electric Department	<input type="button" value="Boost"/> <input type="button" value="⋮"/>	Mon Nov 17, 11:59am	892	2
 Photo ·  burlingtonelectric	<input type="button" value="Boost"/> <input type="button" value="⋮"/>	Mon Nov 17, 11:56am	122	2

**BED 2025-2026**  
**Strategic Direction Dashboard**

	Target	YTD Actuals	Nov 2025 Actuals	Oct 2025 Actuals	Sept 2025 Actuals	Aug 2025 Actuals	July 2025 Actuals	June 2025 Actuals	May 2025 Actuals	April 2025 Actuals	March 2025 Actuals	February 2025 Actuals	January 2025 Actuals	2024 Yearly Actual	2023 Yearly Actual	2022 Yearly Actual	2021 Yearly Actual	2020 Yearly Actual	2019 Yearly Actual
<b>Engage Customers and Community</b>																			
Call answer time 75% within 20 seconds	75%	80%	80%	82%	76%	78%	78%	69%	61%	86%	90%	90%	86%	avg 81%	avg 82%	avg 82%	avg 82%	avg 81%	
Delinquent accounts >\$500	0	278	297	310	313	262	276	248	242	246	323	287	251	avg 223	avg 168	avg 188	avg 529	avg 201	
Disconnects for non-payment		351	4	57	36	34	22	2	31	153	10	1	1	308	224	12	0	45	
Energy Assistance Program Customers (program lifetime)	NA	921	921	915	905	898	887	881	871	869	862	858	852	843	234				
Energy Assistance Program Customers (currently enrolled)	300	773	773	773	784	787	781	776	788	776	776	776	774	770	219				
# of residential weatherization completions	10	3	0	1	0	1	0	0	1	0	0	0	0	7	11	5	5	3	11
Weatherization completions in rental properties		0	0	0	0	0	0	0	0	0	0	0	0	3	8	6	0	0	TBD
# or % of homes or SF weatherized		0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	0	TBD	TBD	TBD	TBD	0
# of commercial building with improved thermal envelopes		1	0	0	0	0	0	1	0	0	0	0	0	5	6	4	5	5	0
Total annual mWh saved via the EE programs (annual goal)	4,032	10,798	1,659	1,440	1,414	1,391	1,031	1,003	934	904	877	84	61	1116	2,940	4053			3057
Total residential annual mWh saved via the EE programs (cumulative for year)	724	1,298	226	203	187	166	142	128	68	64	51	35	28	333	494	862			917
Total commercial sector annual mWh saved via the EE programs (cumulative for year)	3,308	9,502	1,433	1,237	1,227	1,225	889	875	866	840	828	49	33	783	2,447	3191			2140
% of EEU charge from LMI customers spent on EE services for LMI customers (cumulative for 2024- 2026 3-year EEU performance period)	\$ 297,026	263,842	\$ 263,842	\$ 241,011	\$ 236,194	\$ 233,861	\$ 215,682	\$ 204,228	\$ 200,971	\$ 195,750	\$ 186,013	\$ 178,052	\$ 167,552	\$ 155,814	\$ 504,942	\$ 335,234	TBD	TBD	TBD
# of pageviews, overall website-wide		245,829	21,894	24,944	23,312	20,567	22,866	21,052	28,406	21,747	19,047	18,341	23,653						
# of unique website homepage views		49,402	4,403	4,322	4,551	4,181	4,867	4,621	5,046	4,617	4,251	3,804	4,739						
<b>Strengthen Reliability</b>																			
SAIFI (AVG interruptions/customer) (annual target)	< 2.1	0.03	0.08	0.02	0.03	0.0	0.04	0.003	0.03	0.02	0.01	0.05	0.07	1.63	0.56	1.05	0.17	1.48	1.01
CAIDI (AVG time in hrs to restore service) (annual target)	< 1.2	1.40	0.78	1.08	2.05	2.13	0.62	1.09	1.16	2.39	1.94	1.72	0.44	0.94	0.67	1.49	0.55	0.75	0.75
Distribution System Unplanned Outages (annual target)	82	52	7	6	1	2	10	6	2	6	4	5	3	69	39	61	44	90	98
McNeil Forced Outages	0	9	1	0	1	0	1	1	1	1	2	1	0	10	5	14	5	21	TBD
W1H Forced Outages	0	2	0	0	0	0	0	0	0	0	1	1	0	3	2	6	9	2	TBD
GT Forced Outages	0	3	0	0	0	0	1	0	1	0	0	0	1	2	9	6	2	3	TBD
<b>Invest in Our People, Processes, and Technology</b>																			
Avg. # of days to fill positions under recruitment	120	286	247	317	323	366	311	282	281	217	317	257	232	253	219	100	68	179	
# of budgeted positions vacant	0	10	10	8	8	9	10	11	10	10	9	11	11	avg 12	avg 12	avg 9	avg 9	6	NA

**BED 2025-2026**  
**Strategic Direction Dashboard**

	Target	YTD Actuals	Nov 2025 Actuals	Oct 2025 Actuals	Sept 2025 Actuals	Aug 2025 Actuals	July 2025 Actuals	June 2025 Actuals	May 2025 Actuals	April 2025 Actuals	March 2025 Actuals	February 2025 Actuals	January 2025 Actuals	2024 Yearly Actual	2023 Yearly Actual	2022 Yearly Actual	2021 Yearly Actual	2020 Yearly Actual	2019 Yearly Actual	
<b>Innovate to Reach Net Zero Energy</b>																				
<i>Tier 3 Program</i>																				
# of residential heat pump installs		177	17	24	13	13	20	20	0	10	18	11	31	176	186	255	315	203	10	
# of commercial heat pump installs		0	0	0	0	0	0	0	0	0	0	0	0	5	8	4	4	13	0	
# of residential hot water heat pump installs		27	4	6	0	1	0	3	0	5	1	2	5	28	31	26	14	6	4	
# of commercial hot water heat pump installs		-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Heat pump rebates		191	17	24	13	19	22	20	6	10	18	11	31	185	206	271	328	212	0	
Heat pump hot water heater rebates		27	4	6	0	1	0	3	0	5	1	2	5	28	47	18	15	3	0	
LMI heat pump rebates		42	14	5	4	6	2	4	6	0	1	0	0	35	21	43	28	6	4	
Heat pump technology installs in rental properties		-	0	0	0	0	0	0	0	0	0	0	0	3	8	10	14	9	TBD	
LMI heat pump hot water heater rebates		14	7	0	2	0	0	4	0	1	0	0	0	2	6	1	2	0	1	
EV rebates - new		119	5	16	15	10	3	9	16	11	10	6	18	125	103	53	67	14	36	
EV rebates - pre-owned		28	5	4	5	3	1	1	1	3	2	2	1	23	16	18	7	8	2	
LMI EV rebates	See NZE Roadmap Goals below	26	0	1	3	2	2	2	4	1	4	2	5	50	26	9	11	7	7	
PHEV rebates - new		32	0	2	4	5	2	3	0	2	4	3	7	44	25	27	41	10	17	
PHEV rebates - preowned		15	1	0	1	1	1	2	3	1	0	0	5	8	6	12	6	5	3	
LMI PHEV rebates		3	0	1	0	1	0	1	0	0	0	0	0	11	5	15	13	6	2	
Public EV chargers in BTV (total)		-	41 ports	41 ports	41 ports	41 ports	41 ports	41 ports	41 ports	41 ports	41 ports	40 ports	40 ports	40 ports	32 ports	30 ports	27 ports	27 ports	14	
Public EV charger energy dispensed (kWh)		438,200	41,300	43,400	40,500	44,400	40,400	36,700	36,700	39,100	38,500	36,400	40800	355500	244,300	151,360	86,570	35,690	78,000	
Home EV charging station rebates		117	10	32	0	17	6	3	5	13	8	5	18	82	72	70	32	20	12	
EV charging rate customers (total)		4,266	424	420	410	399	394	389	382	379	364	354	351	347	246	157	40	40	28	
Level 2 charger rebates		86	8	65	1	0	11	0	0	0	0	0	1	22	10	11	10	0	1	
Level 1 charger rebates		1	0	0	0	0	1	0	0	0	0	0	0	0	0	-	0	1	0	
E-bike rebates		251	8	18	15	29	24	36	32	39	22	1	27	169	147	152	88	36	65	
E-mower rebates		87	1	0	6	3	8	31	25	10	1	0	2	109	135	159	154	95	142	
E-forklift rebates		-	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
MWE of Tier 3 measures installed		43,036	1,897	2,406	3,410	2,434	21,135	4,409	1,040	1,400	1,788	1,139	1,977	26,120	22,374	22,837	23,763	35,112	3,342	
% Tier 3 obligation met with program measures	100%	178%	178%	170%	160%	146%	136%	49%	30%	26%	20%	13%	8%	122%	117%	131%	159%	283%	31%	
<i>Net Zero Energy Roadmap Goals</i>																				
# of solar net metering projects installed		18	3	2	4	0	1	2	0	2	2	1	1	13	32	33	29	24	33	
No. of homes receiving NZE Home Roadmaps		-	0	0	0	0	0	0	0	0	0	0	0	0	-	7	10	7		
Residential heat pumps for space heating (no. of homes)	2025: 14,181	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,320, 18% of goal	1,952	1,749	1,448	1,112	925	
Commercial heat pumps for space heating (1000 SF floor space served)	2025: 7,806	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	487, 7% of goal	431	411	405	374	374	
Residential heat pumps for water heating (no. of homes)	2025: 10,553	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	344, 4% of goal	289	243	224	208	203	
Commercial heat pumps for water heating (1000 SF floor space served)	2025: 3,281	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6, 0.2% of goal	0	0	0	0	-	
EV registrations in BTV (light-duty)	2025: 7,503	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,285, 23% of goal	829	699	549	361	296	
Greenhouse gas emissions (1000 metric tons CO2)	2025: 99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174, 55% above target	179	193	188	185	214	
Fossil fuel consumption (billion BTU)	2025: 1,539	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,964, 68% above target	3,044	3,319	3,169	3,185	3,660	

**BED 2025-2026**  
**Strategic Direction Dashboard**

	Target	YTD Actuals	Nov 2025 Actuals	Oct 2025 Actuals	Sept 2025 Actuals	Aug 2025 Actuals	July 2025 Actuals	June 2025 Actuals	May 2025 Actuals	April 2025 Actuals	March 2025 Actuals	February 2025 Actuals	January 2025 Actuals	2024 Yearly Actual	2023 Yearly Actual	2022 Yearly Actual	2021 Yearly Actual	2020 Yearly Actual	2019 Yearly Actual
<b>Demand Response</b>																			
<b>Manage Budget and Risks Responsibly</b>																			
<b>Safety &amp; Environmental</b>																			
No. of workers' compensation/accidents per month	0	6	0	0	1	1	0	0	2	2	0	0	0	7	8	16	4	8	
Total Paid losses for workers' compensation accidents (for the month)	annual	\$ 179,616	\$4,227	\$29,663	\$8,210	\$11,091	\$7,121	\$21,245	\$13,204	\$10,248	\$3,018	\$5,489	\$66,100	\$272,353	\$98,393	\$ 145,102	\$ 93,612	\$ 165,402	\$38,288
Lost Time Incident Rate (days/year) (Dec numbers reflect annual results)	<= 3.5 annual		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.99	2.0	1.99	0.0	0.93	0.89
Lost Time Severity Rate (days/year) (Dec numbers reflect annual results)	<= 71 annual		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.90	107.4	112.63	0.0	41.71	78.2
Lost work days per month	0	27	0	0	0	0	0	11	16	0	0	0	0	avg 10	avg 12	avg 9	0.0	45	
NOx reporting levels to EPA (Quarterly) (lbs/mmBtu)	<0.075	0	0.073	0.068	0.068	0.066	0.067	0.068	0.069	0.091	0.068	0.069	0.068	0.06	0.06	0.06	0.07	0.07	
# of reported spills, waste water incidents (monthly)	0	-	0	0	0	0	0	0	0	0	0	0	0	4	2	6	4	4	
Phosphorus levels to DEC in lbs (monthly/yearly total)	<0.8/37	1.256	.004/1.256	0.108/1.252	0.157/1.235	0.172/1.152	0.038/1.053	0.04/1.063	0.013/1.024	0.181/2.082	0.174/1.979	0.165/1.986	0.153/1.965	1.87	0.705	0.688	2.028		1.169
# of new power outage claims reported (monthly)	1	2	0	1	0	0	0	0	0	0	0	0	0	6	3	5	7	4	
# of new auto/property/other liability claims reported (monthly)	2	18	1	0	0	2	2	1	3	3	1	1	4	24	36	27	18	27	
<b>Purchasing &amp; Facilities</b>																			
# of Purchase Orders for Inventory (Target: avg for winter months)	42	787	49	87	81	67	108	41	78	67	86	72	51	738	541	636	644	593	
\$ value of Purchase Orders for Inv. (Target: avg dollars spent during winter)	\$78,000	\$ 6,091,926	\$140,092	\$536,841	\$889,830	\$493,359	\$1,128,775	\$140,202	\$325,805	\$401,355	\$973,263	\$919,825	\$142,579	\$ 6,613,883	\$2,481,531	\$ 4,861,023	\$ 3,278,620	975,531	
# of stock issued for inventory (Target: avg during winter months)	320	7,761	559	957	1000	731	641	732	563	707	730	510	631	7,207	6,777	6,187	4,402	4,545	
\$ value of stock issued for inventory (Target: avg. during winter)	\$ 65,000	\$ 1,931,609	\$ 149,349	\$ 432,690	\$ 94,464	\$ 164,571	\$ 66,137	\$ 359,158	\$ 134,027	\$ 190,684	\$ 151,857	\$ 122,341	\$ 66,331	\$ 2,352,360	\$ 1,925,781	\$ 2,200,233	855,456	1,086,478	
# of posters pulled from poles monthly (Target: goal to remove each month)	58	917	115	136	316	125	64	0	121	0	0	0	40	351	592	900	2,728	627	
# of Spark Space and Auditorium setup/breakdowns monthly (Target: Covid impact)	3	157	11	12	17	13	14	11	16	13	19	16	15	199	207	132	88	87	
<b>Finance</b>																			
Debt service coverage ratio (avg of previous 12-months)	1.25	4.69		4.69	4.57	5.11	4.92	7BD	4.91	5.47	5.08	5.14	4.95	4.10 FY24	3.81 FY23	4.61 FY22	4.26 FY21	3.77 FY20	3.56 FY19
Adjusted debt service coverage ratio (avg of previous 12-months)	1.5	1.19		1.19	1.16	1.05	1.24	7BD	1.26	1.44	1.32	1.34	1.29	1.25 FY24	1.29 FY23	1.22 FY22	1.08 FY21	0.93 FY20	0.90 FY19
Days unrestricted cash on hand (incl line of credit)	>90	126		126	159	142	141	7BD	144	137	152	156	153	146 FY24	93 FY23	120 FY22	121 FY21	120 FY20	109 FY19
Arrearages >60 days		\$ 663,673	\$ 663,673	\$ 628,495	\$ 616,490	\$568,448	\$561,164	\$ 558,755	\$ 514,677	\$ 486,445	\$ 493,414	\$ 484,303	\$ 480,633	\$ 470,940	\$ 392,196	\$ 408,903	\$ 1,087,769	\$ 749,054	
<b>Regulatory</b>																			
Open PUC dockets		31	35	32	29														
Open PUC dockets with deadlines in next 3 months		11	8	9	12														
<b>Power Supply</b>																			
McNeil generation (MWH) (100%)	per budget	187,935	8,530	0.0	22,687	29,433	26,010	18,513	13,684	552	10,132	25,714	32,680	197,044	184,798	228,981	273,355	192,696	
McNeil availability factor	100%	59%	23%	55%	73%	87%	76%	61%	67%	2%	29%	81%	100%	66%	84%	67%	80%		
McNeil capacity factor	per budget	47%	24%	0%	63%	79%	72%	51%	37%	1.5%	27%	77%	88%	45%	42.3%	52.4%	62.4%		
Winooski One generation (MWH)	per budget	15,210	2,538	434	35	0	471	1,442	2,805	2,974	2,573	854	1,083	29,498	36,318	25,350	24,752	21,194	
Winooski One availability factor	100%	52%	70%	8%	1%	0%	40%	60%	70%	70%	70%	90%	90%	98%	97.2%	98.3%	97%		
Winooski One capacity factor	per budget	32%	48%	8%	25%	0%	48%	27%	56%	56%	47%	17%	20%	48%	56%	41.7%	37%		
Gas Turbine generation (MWH)	NA	662	53	41	181	33.6	97.9	171.7	22.0	17.7	19.0	18.1	6.9	484	475	356	373	441	
Gas Turbine availability factor	100%	95%	100%	90%	87%	99%	99%	86%	89%	100%	100%	100%	97%	98%	46.7%	54.5%	96%		
Gas Turbine capacity factor	NA	1%	0.3%	0.3%	4%	0.2%	0.6%	1.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%	0.2%	0.21%		
BTV solar PV production (mWh)		4,812	171	429	565	646	658	632	466	503	410	117	215	5,020	4,681	5,260	5,015	5,182	
Cost of power supply - gross (\$000)		\$ 32,162		\$2,655	\$3,481	\$3,349	\$3,574	\$3,073	\$2,760	\$4,328	\$3,346	\$2,968	\$2,629	\$34,858	\$30,002	\$36,755	\$30,285	\$31,081	
Cost of power supply - net (\$000)		\$ 25,888		\$2,655	\$906	\$3,349	\$3,574	\$3,073	\$1,829	\$1,559	\$3,346	\$2,968	\$2,629	\$27,984	\$22,710	\$27,487	\$22,134	\$23,388	
Average cost of power supply - gross \$/KWH		\$ 0.12		\$0.10	\$0.13	\$0.11	\$0.11	\$0.11	\$0.11	\$0.18	\$0.13	\$0.11	\$0.09	\$0.11	\$0.09	\$0.11	\$0.09	\$0.10	
Average cost of power supply - net \$/KWH		\$ 0.09		\$0.10	\$0.03	\$0.11	\$0.11	\$0.11	\$0.11	\$0.07	\$0.06	\$0.13	\$0.11	\$0.09	\$0.08	\$0.07	\$0.08	\$0.07	\$0.08



*FY 2026  
Financial Review  
October*

*December 3, 2025*

**Burlington Electric Department  
Financial Review**

**FY 2026**

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## FINANCIAL HIGHLIGHTS – BUDGET VS ACTUAL as of October FY26

(\$000)	Full Yr Budget	CURRENT MONTH			YEAR TO DATE		
		Budget	Actual	Variance	Budget	Actual	Variance
Sales to Customers	56,090	4,504	4,439	(64)	20,306	20,695	389
Other Revenues	3,881	350	249	(101)	1,389	984	(406)
Power Supply Revenues	7,631	0	0	0	3,000	2,575	(425)
<b>Total Operating Revenues</b>	<b>67,602</b>	<b>4,853</b>	<b>4,688</b>	<b>(165)</b>	<b>24,695</b>	<b>24,253</b>	<b>(442)</b>
Power Supply Expense (Net)	35,540	3,349	2,620	729	13,872	13,023	849
Operating Expense	22,912	1,934	1,802	132	8,117	7,580	537
Depreciation & Amortization	5,832	495	527	(32)	1,981	2,088	(107)
Taxes	3,615	297	262	35	1,226	1,150	75
<b>Sub-Total Expenses</b>	<b>67,899</b>	<b>6,075</b>	<b>5,211</b>	<b>864</b>	<b>25,196</b>	<b>23,841</b>	<b>1,355</b>
<b>Operating Income</b>	<b>(298)</b>	<b>(1,221)</b>	<b>(523)</b>	<b>699</b>	<b>(501)</b>	<b>412</b>	<b>913</b>
Other Income & Deductions	6,855	539	806	267	1,844	2,345	501
Interest Expense	3,204	259	251	8	1,036	1,030	6
<b>Net Income (Loss)</b>	<b>3,354</b>	<b>(940)</b>	<b>32</b>	<b>972</b>	<b>308</b>	<b>1,727</b>	<b>1,419</b>

### Year-to-Date Results:

- **Sales to Customers** up \$389,100 (1.92%). Residential Sales up \$132,300 and Non-Residential Sales up \$249,100.
- **Other Revenues** down \$406,000 (29%)
  - a. DSM billable (customer driven).
- **Power Supply Revenues** down \$425,000 due to lower McNeil production in CY 2025.
  - a. McNeil REC revenue of \$1,312,000 compared to a budget of \$1,786,000.
  - b. Wind REC revenue of \$1,138,000 compared to a budget of \$1,101,000.
  - c. Hydro REC revenue of \$124,000 compared to a budget of \$113,000.
- **Power Supply Expenses (Net)** down \$849,000 (6.1%)
  - a. Fuel down \$387,000 (11%).
  - b. Purchased Power down \$370,000 (6%).
  - c. Transmission down \$90,000 (2%).
- **Other Operating Expenses** down \$537,000 (5%)
  - a. Timing: various items were less than budget including outside services (\$374,500), materials & supplies (\$109,000), and RPS Compliance (\$95,900); offset by items higher than budget including A&G clearing, \$99,800; labor, \$68,400; maintenance contracts, \$58,200; and rentals/leases, \$56,600.
- **Taxes** down \$75,400 (6%)
  - a. Actual Payment in Lieu of Tax (PILOT) is \$162,300 lower than budget assumption for the year.
  - b. Actual Winooski One Property Tax is \$29,700 lower than budget assumption for the year.
- **Other Income & Deductions** up \$501,000 (27%)
  - a. Timing; favorable gain/loss on disposition of plant, \$162,000.
  - b. Interest/investment income up \$102,000.
  - c. Timing; favorable customer contribution /grant proceeds \$331,000.
  - d. Offset by timing of jobbing (\$141,100) and unrealized loss on investment (\$25,200).

## FINANCIAL HIGHLIGHTS – BUDGET VS ACTUAL as of October FY26

<b>Capital Spending – October YTD</b>				
(\$000s)				
Plant Type	Full Yr. Budget	Budget	Actual	% Spent
Production	\$4,481	\$2,205	\$529	12%
Other	868	314	49	6%
Transmission	222	222	230	103%
Distribution	6,419	2,169	1,350	21%
General	3,228	1,510	341	11%
<b>Total</b>	<b>\$15,218</b>	<b>\$6,420</b>	<b>\$2,497</b>	<b>16%</b>

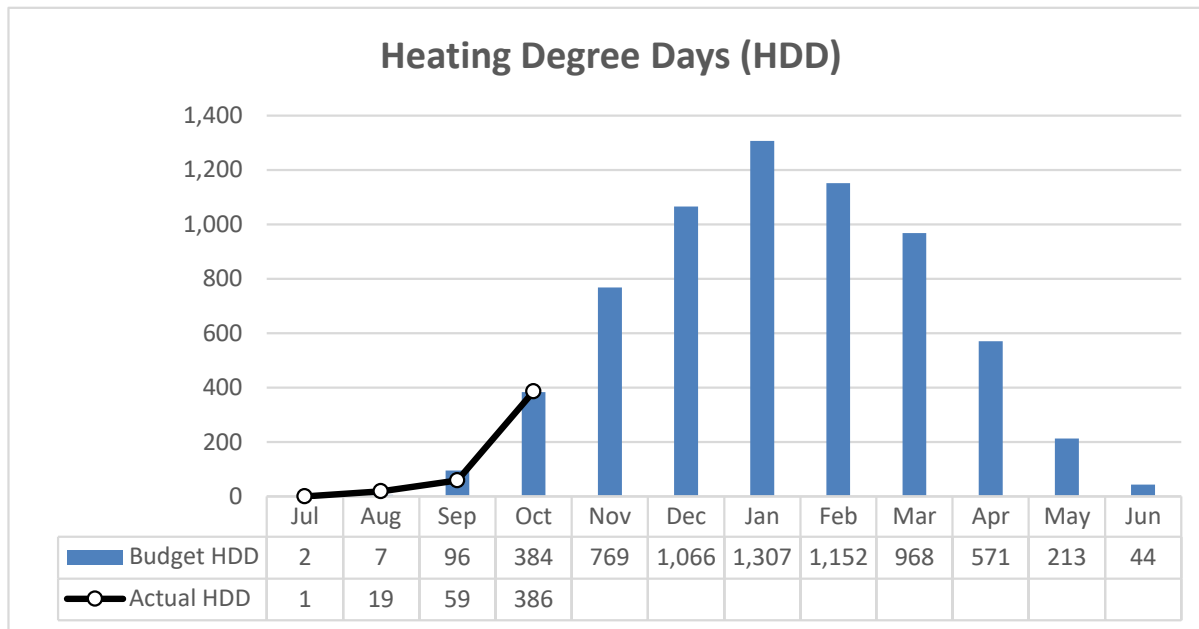
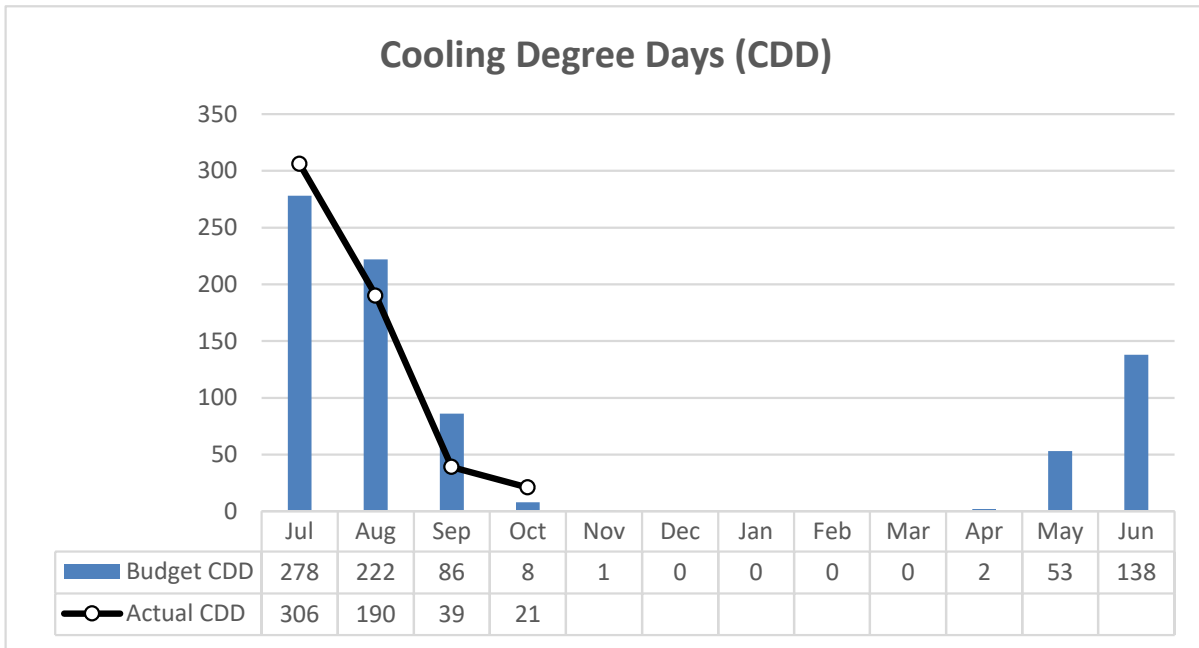
- (1) **Production** – Timing; projects at McNeil and W1 are under budget including NOx system catalyst replacement (\$146,000), well (\$185,00), and cooling tower timber replacement (\$83,000), FERC relicensing (\$376,700), and embankment repair (\$403,600). Also, budget assumed \$50,000 for replacement rail cars in July vs \$0.
- (2) **Distribution** – Transformers under budget due to availability (\$581,900); timing of Deforest Rd (\$244,400) and ADMS (\$251,700) projects.
- (3) **General** – Timing; budget includes IT Forward projects of \$642,800 vs actual of \$264,400. Also, timing of electric forklift (\$137,700).

<b>As of October 31, 2025</b>	
<b>Operating Cash and Investments</b>	
Operating Funds	\$9,088,049
Operating Funds – CDs	\$739,288
CD/Money Market - GOB	\$14,490
Total Operating Cash	\$9,841,826

<b>Credit Rating Factors – October 2025</b>				
	"A"	"Baa"	Current	3 Year Average
Debt Service Coverage Ratio	1.25	1.25	4.69	4.29
Adjusted Debt Service Coverage Ratio	1.50	1.10	1.19	1.25
Cash Coverage - Days Cash on Hand	90	30		
- With \$10M Line of Credit			127	136
- Without Line of Credit			66	



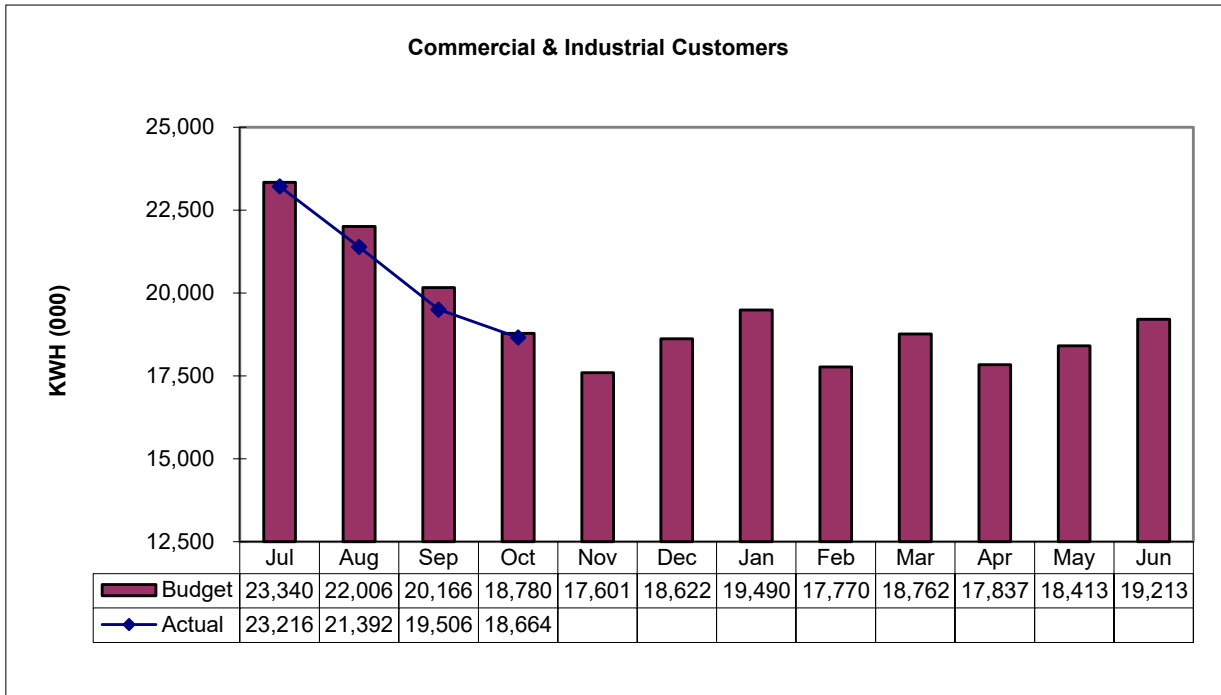
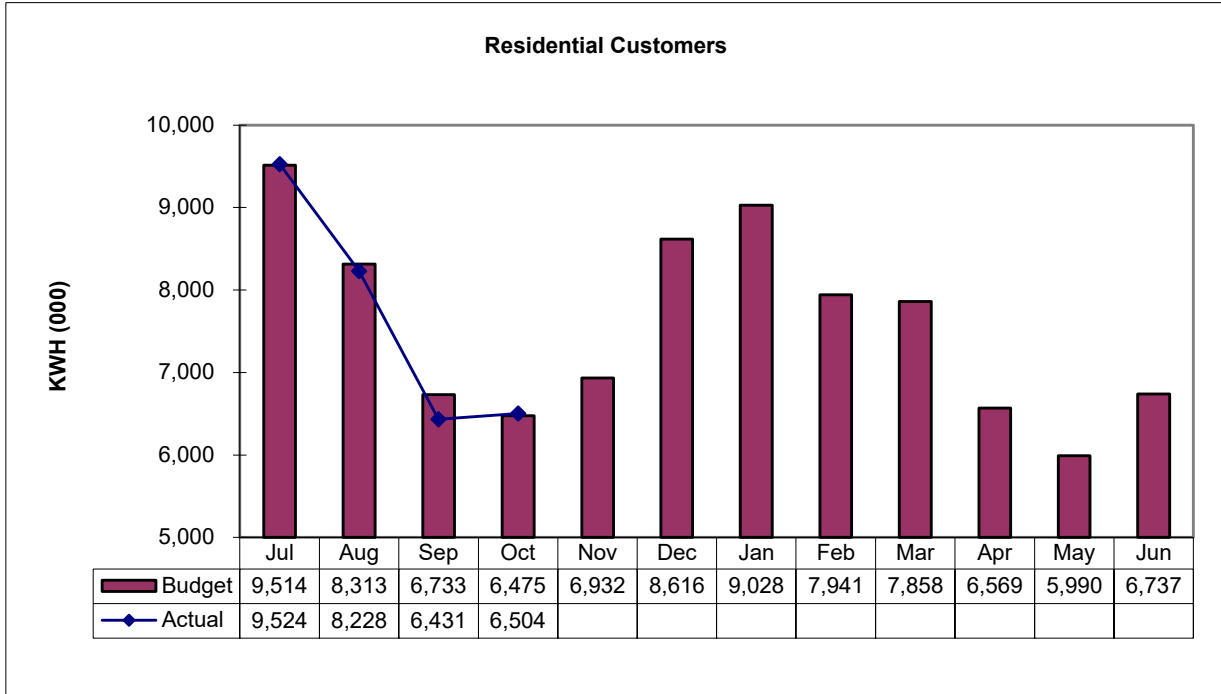
## FY 2026



Average Monthly Temperature												
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Budget	74	72	65	53	39	30	23	24	34	46	60	68
Actual	75	70	64	53								

**CDD/HDD definition per National Weather Service:** Degree days are based on the assumption that when the outside temperature is 65°F, we don't need heating or cooling to be comfortable. Degree days are the difference between the daily temperature mean (high temperature plus low temperature divided by two) and 65°F. If the temperature mean is above 65°F, we subtract 65 from the mean and the result is Cooling Degree Days. If the temperature mean is below 65°F, we subtract the mean from 65 and the result is Heating Degree Days.

**Burlington Electric Department  
Fiscal Year Ending June 30, 2026  
KWH Sales**



*Street Lighting is included with Commercial & Industrial Customers.*

**Net Power Supply Costs  
October - FY 2026**

	(\$000)						
	Current Month			Year-to-Date			
	Budget	Actual	Variance	Budget	Actual	Variance	
<b>Expenses:</b>							
Fuel (p. 7)	\$595	\$29	\$565	(1)	\$3,416	\$3,029	\$387 (1)
Purchased Power (p.11)	1,625	1,811	(186)	(2)	6,323	5,953	370 (2)
Purchased Power Adjustment (p 11)	43	43	(0)		173	173	(0)
Transmission Fees - ISO-NE	731	683	47	(3)	3,317	3,462	(145) (3)
Transmission Fees - VELCO	276	6	270	(4)	358	195	163 (4)
Transmission Fees - Other	78	48	30	(5)	284	211	72 (5)
<b>Total Expenses</b>	<b>3,347</b>	<b>2,621</b>	<b>726</b>		<b>13,871</b>	<b>13,024</b>	<b>847</b>
<b>Revenues:</b>							
Renewable Energy Certificates - McNeil	0	0	0		1,786	1,312	(474)
Renewable Energy Certificates - Wind	0	0	0		1,101	1,138	36
Renewable Energy Certificates - Hydro	0	0	0		113	124	11
Renewable Energy Certificates - Other	0	0	0		0	0	0
<b>Total Revenues</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>3,000</b>	<b>2,575</b>	<b>(426) (6)</b>
<b>Net Power Supply Costs</b>	<b>\$3,347</b>	<b>\$2,621</b>	<b>\$726</b>		<b>\$10,871</b>	<b>\$10,449</b>	<b>\$422</b>
Load (MWh)	26,326	25,926	(399)		118,827	116,798	(2,029)
\$/MWh	\$127.15	\$101.09	(\$26.05)		\$91.49	\$89.47	(\$2.02)

**Current Month:**

- (1) See detail on page 7.
- (2) See detail on page 11.
- (3) ISO-NE Peak Load under Budget.
- (4) VELCO Common charges under Budget.
- (5) NYPA Transmission under Budget.

**YTD:**

- (1) See detail on page 7.
- (2) See detail on page 11.
- (3) ISO-NE Peak Load over Budget.
- (4) VELCO Common charges under Budget.
- (5) NYPA Transmission under Budget.
- (6) REC sales under budget due to lower McNeil production in CY25.

**Net Power Supply Costs  
October - FY 2026**

	(\$000)					
	Current Month			Year-to-Date		
	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
<b><u>FUEL:</u></b>						
McNeil	587	12	574 (1)	3,301	2,805	495 (1)
Gas Turbine	8	17	(9) (2)	115	224	(109) (2)
<b>Total Fuel</b>	<u>595</u>	<u>29</u>	<u>565</u>	<u>3,416</u>	<u>3,029</u>	<u>387</u>

**Current Month:**

(1) No McNeil production. (p. 8)

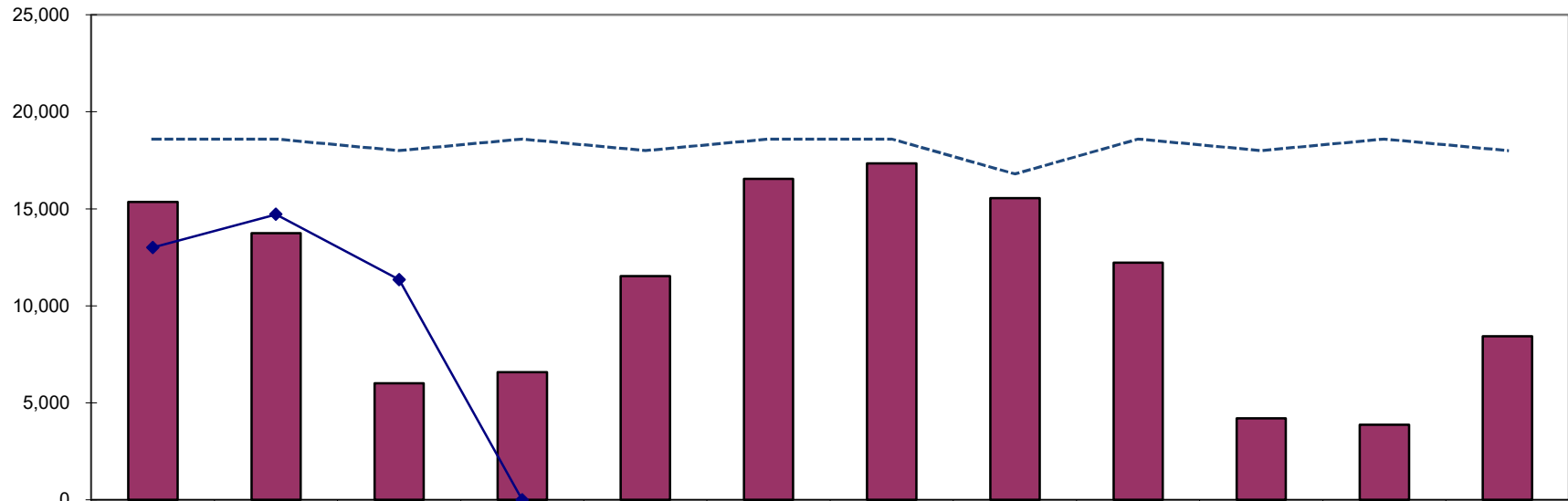
(2) GT production (42 MWh) 123% over Budget.

**YTD:**

(1) McNeil production 6% under Budget. Wood Price Per Ton 6% under Budget. (p. 8)

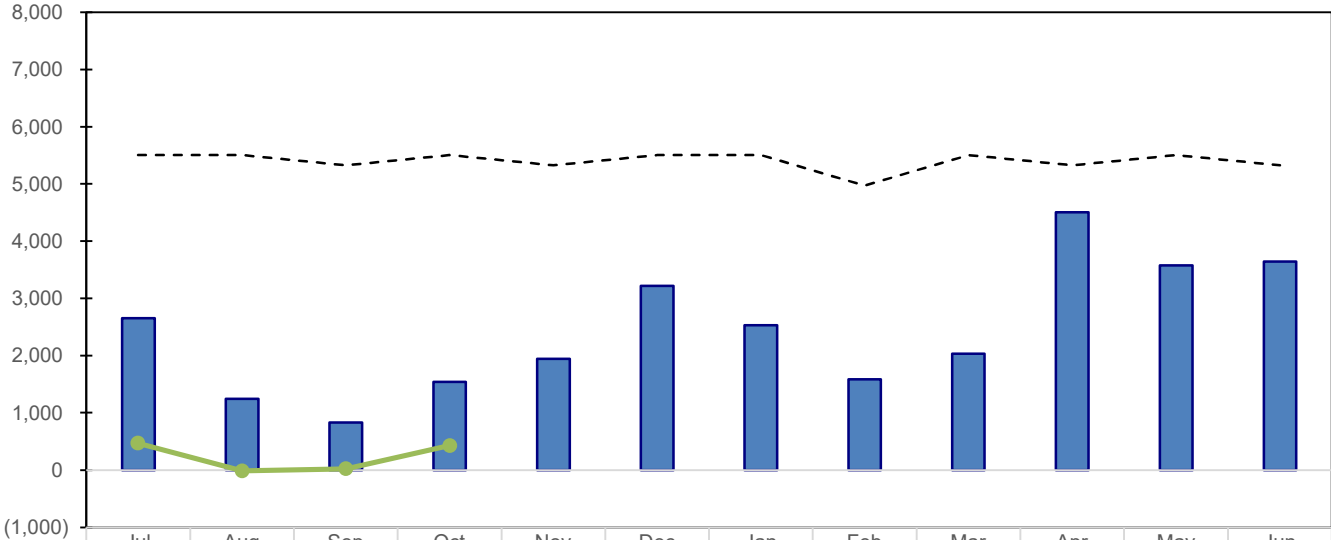
(2) GT production (355 MWh) 128% over Budget. Budget includes \$50,000 in July for R99 testing.

**Burlington Electric Department  
McNeil Plant - MWH Production (50%)  
FY 2026**



Budget	15,353	13,749	6,000	6,573	11,538	16,538	17,347	15,544	12,227	4,199	3,875	8,431
Actual	13,005	14,717	11,344	0								
Maximum	18,600	18,600	18,000	18,600	18,000	18,600	18,600	16,800	18,600	18,000	18,600	18,000

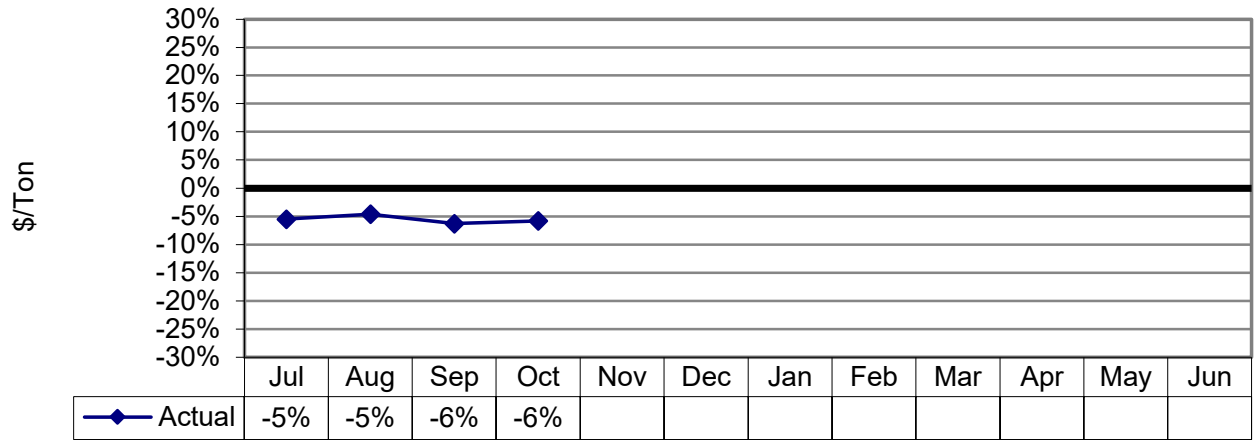
**Burlington Electric Department  
Winooski One - MWH Production  
FY 2026**



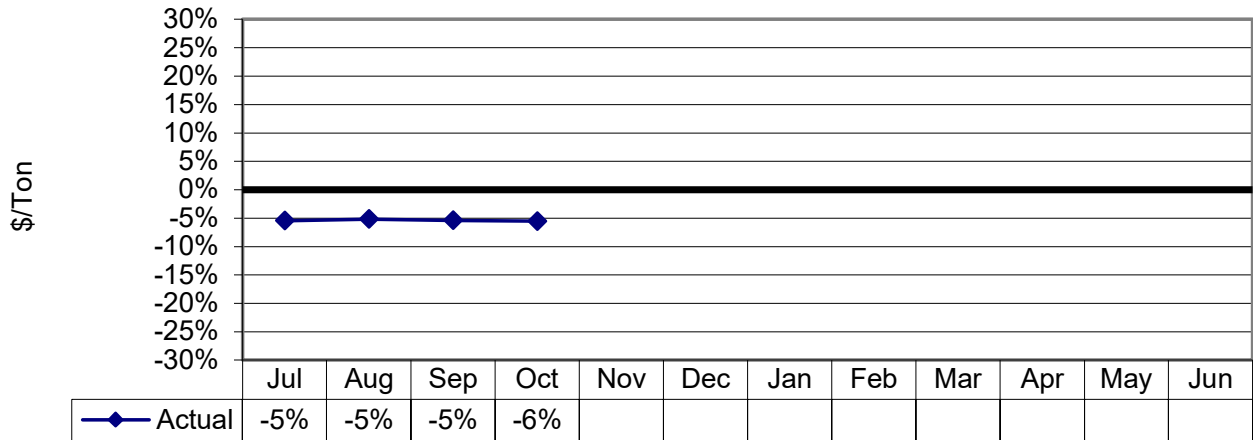
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Budget</b>	2,650	1,246	832	1,541	1,942	3,216	2,531	1,587	2,032	4,503	3,575	3,643
<b>Actual</b>	468	(13)	23	425								
<b>Maximum</b>	5,506	5,506	5,328	5,506	5,328	5,506	5,506	4,973	5,506	5,328	5,506	5,328

## Burlington Electric Department Fiscal Year 2026

### Woodchips Price Per Ton Monthly Variance



### Woodchips Price Per Ton Year-to-Date Variance



\* Wood only. Does not include other costs.

**Net Power Supply Costs  
October - FY 2026**

	(\$000)					
	Current Month			Year-to-Date		
	Budget	Actual	Variance	Budget	Actual	Variance
<b><u>PURCHASED POWER:</u></b>						
Non-Energy (capacity)	78	35	43	286	99	186 (1)
<b>Energy:</b>						
Georgia Mountain Wind	349	273	76 (1)	1,035	821	213 (2)
Hancock Wind	247	261	(14) (2)	686	641	45 (3)
VT Wind	236	145	91 (3)	625	441	184 (4)
Brookfield	0	248	(248) (4)	0	449	(449) (5)
Hydro Quebec	300	300	0 (5)	1,190	1,190	(0) (6)
In City Solar Generators	56	73	(17) (7)	351	387	(35) (8)
NYPA	7	6	1 (9)	25	25	(0) (10)
ISO Exchange	147	301	(153) (11)	1,007	1,291	(284) (12)
ISO Exchange Adjustment	43	43	(0) (**)	173	173	(0) (**)
FirstLight	158	56	102 (13)	575	180	395 (14)
Velco Exchange	0	0	(0) (15)	0	(1)	1 (16)
<b>Total Energy</b>	<b>1,544</b>	<b>1,707</b>	<b>(164)</b>	<b>5,668</b>	<b>5,597</b>	<b>71</b>
Ancillary Charges	(8)	48	(57) (17)	35	(151)	186 (18)
VT RES Tier 1 Compliance Expense	0	0	0 (19)	262	287	(26) (20)
Renewable Energy Credit Purchase	0	0	0 (21)	0	0	0 (22)
Miscellaneous-Other	55	63	(8) (23)	247	294	(48) (24)
<b>Total Purchased Power Expense</b>	<b>1,668</b>	<b>1,854</b>	<b>(186)</b>	<b>6,496</b>	<b>6,126</b>	<b>370</b>

**Special Note (\*\*)**

Adjustment to reduce expense and create regulatory asset by amount of ISO Exchange excess winter energy revenue shortfall (\$4,162,233) and record one-eighth (\$520,279) as amortization in FY24.

**Current Month:**

- (1) Production 22% under Budget.
- (2) Production 6% over Budget.
- (3) Production 18% under Budget. Financial Settlements under Budget.
- (4) Short-Term purchase not in Budget.
- (5) Production over Budget.
- (6) Production (McNeil (100%), Winooski One (72%), Wind (11%) and FirstLight (65%)) under Budget.
- (7) Production 65% under Budget.
- (8) Reserve revenues under Budget.

**YTD:**

- (1) Includes credit from Pay for Performance event.
- (2) Production 21% under Budget.
- (3) Production 7% under Budget.
- (4) Production 22% under Budget. Financial Settlements under Budget.
- (5) Short-Term purchase not in Budget.
- (6) Production over Budget.
- (7) Production (McNeil (6%), Winooski One (86%), FirstLight (69%), and Wind (16%)) under Budget.
- (8) Production 69% under Budget.
- (9) Reserve revenues over Budget.

**Burlington Electric Department**

<b>Operating and Maintenance Expense by Spending Category</b>					
<b>FY 2026 - October YTD</b>					
				<b>%</b>	
	<b>Budget</b>	<b>Actual</b>	<b>Variance</b>	<b>Variance</b>	<b>*</b>
Labor-Regular	3,108,449	3,169,548	(61,099)	2%	a
Labor-Overtime	154,426	199,474	(45,048)	29%	b
Labor-Temporary	19,500	11,459	8,041	41%	c
Labor-Overhead	1,343,652	1,386,377	(42,725)	3%	d
Outside Services	1,188,900	706,081	482,819	41%	e
DSM (rebates & outside services)	682,334	595,362	86,972	13%	f
Materials & Supplies	391,239	282,448	108,791	28%	g
Insurance	255,685	239,334	16,351	6%	
A & G Clearing	(423,555)	(227,543)	(196,012)	46%	h
Other - RES Tier 3 Compliance	354,563	227,225	127,338	36%	
Other	972,141	1,032,388	(60,247)	6%	i
<b>Operating &amp; Maintenance Expense</b>	<b>8,047,335</b>	<b>7,622,153</b>	<b>425,182</b>	<b>5%</b>	

(a) Labor is impacted by the amount of capital (vs. expense) work.

(b) McNeil, \$39,100, and Dispatch, \$8,200, higher than planned.

(c) Temporary help at McNeil Plant.

(d) See page 13.

(e) Timing; equipment maintenance & technical items at GT and Winooski One is under budget, \$370,700.

(f) Projects are driven almost entirely by customer decisions. The budget is based on information on specific projects or seasonal variations; otherwise the amount is spread evenly across the year.

(g) Timing of various projects.

(h) The credit for A&G ("Admin and General Expenses") charged to Capital projects was less than planned.

(i) Various areas are higher than budget including Maintenance Contracts (\$45,700), Rentals & Leases (\$54,800) and Uncollectible Accounts (\$51,200); offset by areas lower than budget including Transportation Clearing (\$67,300), Utilities (\$12,600), Advertising (\$13,300) and Education & Training (\$21,200).

**Burlington Electric Department  
Budget vs Actual Spending Analysis  
FY 2026 - October YTD**

<b>Labor - Overhead</b>	<b>(000's)</b>			<b>%</b>	
	<b>Budget</b>	<b>Actual</b>	<b>Variance</b>		
Pension	\$616	\$600	\$15	2%	(a)
Medical Insurance	\$811	\$820	(9)	-1%	(b)
Social Security Taxes	\$374	352	22	6%	(a)
Workers Compensation Ins.	\$147	139	8	6%	(b)
Dental Insurance	\$32	23	9	29%	(b)
Life Insurance	\$7	6	1	11%	(b)
Childcare Contribution Tax	\$22	19	3	14%	(d)
	<b>\$2,009</b>	<b>\$1,959</b>	<b>\$50</b>	<b>2%</b>	

<b>Rates Table:</b>	<b>Budget</b>
<i>Pension (a)</i>	12.58%
<i>Social Security (c)</i>	7.65%
<i>Childcare Payroll Tax</i>	0.44%

*(a) Function of labor cost. Budget includes pension per City, \$1,760,100 and amortization of IBEW Pension back payment, \$87,041.*

*(b) Budget provided by the City during budget development.*

*(c) Function of labor cost.*

*(d) New tax as of July 1, 2024 is 0.44% of wages.*

**Net Income**  
**FY 2026 - October (\$000)**

	Ref	Current Month			Year - To - Date		
		Budget	Actual	Variance	Budget	Actual	Variance
<b>Operating Revenues</b>							
Sales to Customers	p.3	4,504	4,439	(64)	20,306	20,695	389
Other Revenues		350	249	(101) (a)	1,389	984	(406) (a)
Power Supply Revenues	p.6	0	0	0	3,000	2,575	(425)
Total Operating Revenues		<u>4,853</u>	<u>4,688</u>	<u>(165)</u>	<u>24,695</u>	<u>24,253</u>	<u>(442)</u>
<b>Operating Expenses</b>							
Fuel	p.6	595	29	566	3,416	3,029	387
Purchased Power	p.6	1,668	1,854	(186)	6,496	6,126	370
Transmission	p.6	1,085	737	348	3,959	3,868	91
Operating and Maintenance	p.12	1,934	1,802	132	8,117	7,580	537
Depreciation & Amortization		495	527	(32)	1,981	2,088	(107)
Revenue Taxes		48	47	1	231	232	(1)
Property Taxes Winooski One		27	25	2 (b)	109	99	10 (b)
Payment In Lieu of Taxes		221	190	31 (c)	885	818	67 (c)
Total Operating Expenses		<u>6,074</u>	<u>5,211</u>	<u>863</u>	<u>25,195</u>	<u>23,841</u>	<u>1,354</u>
<b>Other Income and Deductions</b>							
Interest/Investment Income		47	59	12	152	255	102
Dividends		373	375	2	1,493	1,491	(2)
Customer Contributions/Grant Proceeds		119	377	258 (d)	345	676	331 (d)
Gain/(Loss) on Disp of Plant		0	0	0	(160)	2	162
Other		(1)	(5)	(5) (e)	14	(79)	(93) (e)
Total Other Income & Deductions		<u>539</u>	<u>806</u>	<u>267</u>	<u>1,844</u>	<u>2,345</u>	<u>501</u>
<b>Interest Expense</b>		259	251	8	1,036	1,030	6
<b>Net Income</b>		<u>(940)</u>	<u>32</u>	<u>972</u>	<u>308</u>	<u>1,727</u>	<u>1,419</u>

**Current Month:**

- (a) Energy Efficiency Program cost reimbursement was lower than planned, \$58,000.
- (b) Actual Winooski One tax bill is lower than budget assumption by \$29,700 for the year.
- (c) Actual Payment in Lieu of Tax (PILOT) is lower than budget assumption by \$162,300 for the year.
- (d) Budget includes customer contributions for Champlain Pkwy (\$34,000), OH/UG billable (\$21,000) grant income for Building GIANTS (\$31,000) and Distributed Energy Resources Management System project (\$33,000). Actual includes customer contribution for OH/UG billable (\$46,000) and FEMA grant income (\$275,000).

**Year - To - Date:**

- (a) Energy Efficiency Program cost reimbursement was lower than planned, \$258,000.
- (b) Actual Winooski One tax bill is lower than budget assumption by \$29,700 for the year.
- (c) Actual Payment in Lieu of Tax (PILOT) is lower than budget assumption by \$162,300 for the year.
- (d) Budget includes customer contributions for Champlain Pkwy (\$170,100) and grant income for Building GIANTS (\$101,000), and Distributed Energy Resources Management (\$38,000). Actual includes customer contribution for Champlain Parkway (\$69,000), OH & UG billable (\$160,500) and various grant income (\$446,800).
- (e) Timing of jobbing unfavorable, (\$141,100) and unrealized loss on investment (\$25,200).

**Burlington Electric Department  
Capital Projects - FY26**

	<b>\$000</b>			
	<b>Full Year Budget</b>	<b>Budget</b>	<b>October Actual</b>	<b>Variance</b>
<b>McNeil (BED 50% Share)</b>				
Analyzer Upgrades for Chemical Treatment	9			0
Ash Silo Pug Mill/Auger Upgrade (312)	13			0
Augers Replaced	30			0
Catalyst Replacement for Nox System (312)	150	150	4	146
CEMS Server Upgrade (312)	15		14	(14)
Cooling Tower Timber Replacement	84	84	1	83
Demineralization Resin	20			0
Disk Screen	15	15		15
ESP Mechanical Field Rebuild	300			0
Farmhouse Improvements (311)	11			0
Freight Elevator Geared Equipment and Controls (311)	180		0	(0)
IT Forward - FIS Replacement (McNeil)	37			0
IT Forward - Work & Asset Management (McNeil)	22			0
Live Bottom Rebuild	139	139	111	28
McNeil Relay Engineering Study (315)	134	40	1	39
Network Infrastructure - McNeil Switches	7	7		7
Opacity Replacement (312)	20			0
Portable Radio Upgrade	0	0	0	(0)
Reclaimer Rebuild	0	0	12	(12) (a)
Replacement Rail Cars (312)	50	50		50
Routine Station Improvements <sup>1</sup>	188	75	3	72
Safety Valve Replacements (312)	25	13		13
Shredder Upgrade (312)	100			0
Station Tools & Tool Boxes (312)	8	4	2	2
Transportation Equipment	0	0	2	(2)
Well New (311)	185	185	0	185
Woodchip Dryer (1 of 3) (312)	626		26	(26)
Other	17	8	3	6 (b)
Total McNeil Plant	2,383	770	179	591

(a) Prior year project.

(b) Budget includes appliances, energy efficiency upgrades, furniture, perimeter fence, replacement scale at Swanton, rigging equipment and switchgear & station upgrades.

<b>Hydro Production</b>	1,926	1,395	316	1,079 (a)
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(a) Timing of FERC relicensing, embankment repair & dam plate torque, and other projects.

<b>Gas Turbine</b>	175	40	33	8 (a)
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(a) Budget assumes main breaker and outlet bucket replacement. Actual includes prior year GT Roof Replacement, \$2,800 and GT Server Upgrade, \$29,800.

**Burlington Electric Department  
Capital Projects - FY26**

	\$000			
	Full Year Budget	Budget	October Actual	Variance
<b>Other</b>				
P&P R&D	26	11	0	11
Direct Current Fast Chargers (Level 3)	159	0	6	(6)
EV Charger Installations (Level 2)	264	79	3	76
Distributed Energy Resources	34	14	0	14
EV Chargers/Staging Plan	0	0	40	(40) (a)
Distributed Energy Resources Management System	244	70	0	70
585 Fleet EV Chargers	115	115	0	115
585 Fleet EV Charging Design Study	25	25	0	25
Total Other	868	314	49	265

(a) Prior year project #C20255.

**Transmission Plant**

VT Transco Investment	222	222	230	(8)
Total Transmission Plant	222	222	230	(8)

**Distribution Plant-General**

**Aerial**

Deforest Road Rebuild	493	444	200	244
Dunder Road Rebuild	0		22	(22) (a)
NZE Transfer Load Between 1L1 to L14	210			0
Rebuild 1L4 from Poles P838 to P2795	173	35	2	32
Rebuild Howard Street Pole P655 to P836	41	41	0	41
Rebuild Plattsburgh Ave Poles P3762 to P3752	40		20	(20)
Rebuild St Paul Street Pole P1004 to P1011	27	27	2	25
Rebuild Wells Street Pole P191 to P183	25	10	2	8
Replace Condemned Poles	210	84	85	(1)
South Cove Rd East Rebuild			81	(81) (a)
South Cove Road West Rebuild			95	(95) (a)
Total Aerial	1,220	641	510	132

(a) Prior year project.

**Underground**

Battery Street Replacement			2	(2)
Replace UG to UVM Aiken Center	18	18		18
Given Transfer Switch			6	
Replace 2L3 from UH303 to 929S	698		12	(12)
Rebuild UG St. Paul Street (Bank St to Cherry St)	358		1	(1)
Total Underground	1,073	18	21	3

**Burlington Electric Department  
Capital Projects - FY26**

	<b>\$000</b>			
	<b>Full Year Budget</b>	<b>Budget</b>	<b>October Actual</b>	<b>Variance</b>
<b>Customer Driven/City Projects</b>				
Champlain Parkway-Billable	400	200	109	91
Champlain Parkway (CAFC)	(340)	(170)	(69)	(101)
Great Street-Main Street	621	0	163	(163)
Great Street-Main Street (CAFC)	(557)			0
Winooski Bridge Rebuild	34			0
Winooski Bridge Rebuild (CAFC)	(34)			0
City Place Streetlighting	195		36	(36)
City Place Streetlighting (CAFC)	(104)			0
Total Customer Driven/City	<u>215</u>	<u>30</u>	<u>239</u>	<u>(173)</u>
<b>Other</b>				
Communication Equipment Emergency Repair	16	1		1
Distribution Transformers-Purchase	1,445	723	141	582
Distribution Transformers-Install	11	4	13	(9)
Fiber Optical Time Domain Reflectometer Unit (OTDR)	12	12		12
Lake Street Battery Bank Replacement	41	41		41
Replace Failed 920S/921S/922S Switch	63			0
SCADA ADMS Upgrade (Phases 3/4)	1,204	482	230	252
SCADA Field Equipment Replacement	64	3	2	1
SCADA Servers PC's and Monitors			15	(15)
Upgrade ArcFM to GIS Pro	318			0
USamp Upgrade	7	7	6	1
Other			26	(26)
Total Other	<u>3,181</u>	<u>1,273</u>	<u>433</u>	<u>840</u>
Total Distribution Plant-General	<u>5,689</u>	<u>1,962</u>	<u>1,203</u>	<u>802</u>
<b>Distribution Plant - Blanket</b>				
Aerial	174	29	90	(61)
Aerial (CAFC)	(70)	(12)	(22)	10
Underground	332	101	105	(4)
Underground (CAFC)	(143)	(24)	(139)	115
Meters	133	50	50	1
Lighting	217	38	53	(15)
Tools & Equipment - Distribution/Technicians	40	8	8	(0)
Replace Failed SCADA Field Equipment	12	1	0	0
Substation Maintenance	18	1		1
Substation Camera Replacement	15	15		15
Total Distribution Plant - Blanket	<u>729</u>	<u>206</u>	<u>146</u>	<u>60</u>
Total Distribution Plant	<u>6,419</u>	<u>2,169</u>	<u>1,349</u>	<u>862</u>

**Burlington Electric Department  
Capital Projects - FY26**

	<b>\$000</b>			
	<b>Full Year Budget</b>	<b>Budget</b>	<b>October Actual</b>	<b>Variance</b>
<b>General Plant</b>				
Computer Equipment/Software	2,724	1,006	285	720 (a)
Vehicle Replacement	309	309	40	269
Buildings & Grounds	179	179	15	164 (b)
Gas Detectors	6	6		6
AED Purchase	11	11		11
Total General Plant	3,228	1,510	341	1,169

(a) Budget includes IT Forward, \$642K vs actual of \$264K.

(b) Actual includes new SCADA Room, \$15,430 from prior year.

<b>Sub-Total Plant</b>	\$15,220	\$6,420	\$2,496	\$3,966
Add: CAFC* reclass to "Other Income"	1,247	151	230	(79)
<b>Total Plant</b>	\$16,467	\$6,571	\$2,726	\$3,845

\* Customer Advances (Contributions) for Construction.





## MEMORANDUM

To: Burlington Board of Electric Commissioners  
From: Lincoln Sprague  
Date: December 8, 2025  
Subject: 2026 Calendar Year Draft Budget

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Provided with this memorandum is a draft of the 2026 calendar year (CY) budget for McNeil Station. This budget was approved by the Joint Owners on 12/1/25 will be on the agenda for discussion and approval at the December meeting of the Burlington Electric Commission. Also included for your information are the following:

1. Capital budget versus actual figures for 2023, 2024, and January through September 2025.
2. Comparison of budget versus actual figures for operation, maintenance, and administration and general expenses for calendar years 2023, 2024, and January through September 2025.
3. Budget Narrative (below)

The draft CY26 expense budget is \$30,389,256 as compared to \$30,173,188 for the CY25 budget. The CY26 budget is \$216,068 more than the approved CY25 budget. The increase can be attributed to vacancies filled for multiple staff positions, new requirements imposed by insurers of McNeil Station, increased fees for regular services (e.g. railcars, power transmission, IT licenses), and increased rates for virtually all contractor services.

The capital budget for CY26 is \$3,096,602 as compared to CY25 which was \$2,360,748, an increase of \$735,854. The primary reason for the increase of the capital budget is the \$620,000 RSCR catalyst replacement project that was originally planned for CY25 but then delayed to CY26 where it now coincides with several other essential projects.

Please do not hesitate to contact me for any questions. I can be reached by phone at (802) 207-2967 or by email at [lsprague@burlingtonelectric.com](mailto:lsprague@burlingtonelectric.com).

**Burlington Electric Department**  
585 Pine Street Burlington, VT 05401  
[burlingtonelectric.com](http://burlingtonelectric.com)

Phone 802.658.0300

**MCNEIL STATION CALENDAR YEAR 2026 BUDGET**

ACCT	TITLE	Approved CY 2026 Budget	CY 2026 Budget	Budgeted CY 2025
<b>OPERATIONS</b>				
500	SUPERVISION & ENGINEERING		\$546,999	\$642,301
501	FUEL EXPENSE		\$17,634,429	\$17,801,610
502	STEAM EXPENSE		\$2,520,651	\$2,388,277
505	ELECTRIC EXPENSE		\$995,522	\$984,840
506	MISCELLANEOUS STEAM EXPENSE		\$831,171	\$749,911
<b>MAINTENANCE</b>				
510	SUPERVISION & ENGINEERING		\$166,882	\$126,674
511	STRUCTURE		\$158,754	\$86,744
512	BOILER PLANT		\$1,217,618	\$1,180,847
513	ELECTRIC PLANT		\$1,065,574	\$1,028,999
514	ROUTINE IMPROVEMENTS		\$51,001	\$48,825
TOTAL GENERATION EXPENSE		\$0	\$25,188,601	\$25,039,028
<b>TRANSMISSION EXPENSE</b>				
556	SYSTEM CONTROL & LOAD DISPATCHING		\$113,988	\$111,957
562	OPERATIONS - STATION EQUIPMENT		\$10,000	\$32,400
567	OPERATIONS - RENT		\$29,218	\$20,218
570	MAINTENANCE - STATION EQUIPMENT		\$6,000	\$6,000
TOTAL TRANSMISSION EXPENSE		\$0	\$159,206	\$170,575
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>				
909	INFORMATIONAL ADVERTISING		\$89,192	\$87,565
920	SALARIES (ALLOCATIONS TO MCNEIL)		\$1,150,004	\$1,160,264
921	<b>OFFICE SUPPLIES AND EXPENSES</b>			
	OFFICE SUPPLIES AND EXPENSES		\$163,049	\$134,134
	ADMINISTRATIVE FEE A&G ALLOCATIONS		\$38,940	\$34,512
TOTAL ACCOUNT 921		\$0	\$201,989	\$168,646

923	OUTSIDE SERVICES			
	LEGAL		\$6,562	\$3,328
	INDIRECT COST ALLOCATION		\$81,336	\$97,332
	HUMAN RESOURCE ALLOCATION		\$62,700	\$58,840
	CONSULTANTS		\$16,000	\$9,508
	FINANCE AUDIT		\$32,000	\$37,025
	TOTAL ACCOUNT 923		<u>\$0</u>	<u>\$198,598</u>
924	PROPERTY INSURANCE		\$581,011	\$576,500
925	LIABILITY INSURANCE (ANNUAL)		\$95,972	\$101,688
925	INJURIES & DAMAGES		\$117,000	\$117,000
925	SAFETY/ENVIRONMENTAL COMPLIANCE		\$157,721	\$238,731
	TOTAL ACCOUNT 925		<u>\$0</u>	<u>\$370,693</u>
926	EMP. BENEFITS - UNALLOCATED		\$16,500	\$15,000
930	MISCELLANEOUS GENERAL EXPENSE		\$51,262	\$36,308
935	MAINTENANCE OF GENERAL PLANT		\$22,200	\$20,200
408	TAXES		\$1,860,000	\$1,735,650
411	GAIN/LOSS ON DISPOSITION		\$300,000	\$300,000
411	LOSS ON DISPOSAL OF INVENTORY		\$200,000	\$200,000
	TOTAL A & G EXPENSES		<u>\$0</u>	<u>\$5,041,449</u>
	<b>TOTAL EXPENSES</b>		<u><u>\$0</u></u>	<u><u>\$30,389,256</u></u>
	<b>Total expenses minus fuel</b>		\$0	\$12,371,578

MCNEIL STATION CALENDAR YEAR 2026 BUDGET

MHW generation (1) 236,044 232,446

ACCT	TITLE	Approved CY 2026 Budget	CY 2026 Budget	CY 2026 \$/MWH	Budgeted CY 2025
<b>OPERATING REVENUES</b>					
	ISO-NE Energy		\$19,462,432		\$17,007,669
	ISO-NE Capacity		\$1,124,532		\$1,565,720
	RECs (2)		\$3,924,888		\$8,224,735
	TOTAL OPERATING REVENUES	\$0	\$24,511,852	\$104	\$26,798,124
<b>OPERATING EXPENSES</b>					
<b>OPERATIONS</b>					
500	SUPERVISION & ENGINEERING		\$546,999		\$642,301
501	FUEL EXPENSE		\$17,634,429		\$17,801,610
502	STEAM EXPENSE		\$2,520,651		\$2,388,277
505	ELECTRIC EXPENSE		\$995,522		\$984,840
506	MISCELLANEOUS STEAM EXPENSE		\$831,171		\$749,911
<b>MAINTENANCE</b>					
510	SUPERVISION & ENGINEERING		\$166,882		\$126,674
511	STRUCTURE		\$158,754		\$86,744
512	BOILER PLANT		\$1,217,618		\$1,180,847
513	ELECTRIC PLANT		\$1,065,574		\$1,028,999
514	ROUTINE IMPROVEMENTS		\$51,001		\$48,825
	TOTAL GENERATION EXPENSE	\$0	\$25,188,601	\$107	\$25,039,028
<b>TRANSMISSION EXPENSE</b>					
556	SYSTEM CONTROL & LOAD DISPATCHING		\$113,988		\$111,957
562	OPERATIONS - STATION EQUIPMENT		\$10,000		\$32,400
567	OPERATIONS - RENT		\$29,218		\$20,218
570	MAINTENANCE - STATION EQUIPMENT		\$6,000		\$6,000
	TOTAL TRANSMISSION EXPENSE	\$0	\$159,206	\$1	\$170,575
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>					
909	INFORMATIONAL ADVERTISING		\$89,192		\$87,565
920	SALARIES (ALLOCATIONS TO MCNEIL)		\$1,150,004		\$1,160,264
921	<b>OFFICE SUPPLIES AND EXPENSES</b>				
	OFFICE SUPPLIES AND EXPENSES		\$163,049		\$134,134
	ADMINISTRATIVE FEE A&G ALLOCATION		\$38,940		\$34,512
	TOTAL ACCOUNT 921	\$0	\$201,989		\$168,646
923	<b>OUTSIDE SERVICES</b>				
	LEGAL		\$6,562		\$3,328
	INDIRECT COST ALLOCATION		\$81,336		\$97,332
	HUMAN RESOURCE ALLOCATION		\$62,700		\$58,840
	CONSULTANTS		\$16,000		\$9,508
	FINANCE AUDIT		\$32,000		\$37,025
	TOTAL ACCOUNT 923	\$0	\$198,598		\$206,033
924	PROPERTY INSURANCE		\$581,011		\$576,500
925	LIABILITY INSURANCE (ANNUAL)		\$95,972		\$101,688
925	INJURIES & DAMAGES		\$117,000		\$117,000
925	SAFETY/ENVIRONMENTAL COMPLIANCE		\$157,721		\$238,731
	TOTAL ACCOUNT 925	\$0	\$370,693		\$457,419
926	EMP. BENEFITS - UNALLOCATED		\$16,500		\$15,000
930	MISCELLANEOUS GENERAL EXPENSE		\$51,262		\$36,308
935	MAINTENANCE OF GENERAL PLANT		\$22,200		\$20,200
408	TAXES		\$1,860,000		\$1,735,650
	TOTAL ADMIN & GENERAL EXPENSE	\$0	\$4,541,449	\$19	\$4,463,585
	TOTAL OPERATING EXPENSES	\$0	\$29,889,256	\$127	\$29,673,188
	<b>NET OPERATING INCOME (LOSS) BEFORE DEPRE</b>	\$0	-\$5,377,404	-\$23	-\$2,875,064
<b>OTHER INCOME &amp; DEDUCTIONS</b>					
411	GAIN/LOSS ON DISPOSITION		\$300,000		\$300,000
411	LOSS ON DISPOSAL OF INVENTORY		\$200,000		\$200,000
	TOTAL OTHER INCOME & DEDUCTIONS	\$0	\$500,000	\$2	\$500,000
	<b>NET INCOME (LOSS) BEFORE INTEREST &amp; DEPRECIATION EXPENSE (3)</b>	\$0	-\$5,877,404	-\$25	-\$3,375,064

(1) Production assumes a return to more reliable wood supply.

(2) BED does not have complete information on Joint Owners REC sales. Total REC sales assumed to be at same average revenue/REC as BED.

(3) Each owner records depreciation expense based on the total costs of its investment in the Station, its depreciation method, and its useful life for rate-making purposes.

**MCNEIL STATION CALENDAR YEAR 2026 BUDGET- FUEL**

<b>BREAKDOWN OF ACCOUNT 501 (FUEL EXPENSE)</b>	<b>CY 2026 Fuel Budget</b>	<b>Budgeted CY 2025</b>
OIL		
OIL USAGE FOR START-UP - 1,080 GALLONS @ \$3.75/GALLON	\$ 4,047	\$ 4,050
OIL USAGE FOR NOX REDUCTION - 504 GALLONS @ \$3.75/GALLON	\$ 1,890	\$ 1,890
Gas		
GAS FOR INTERRUPTIBLE (STARTUP) - 10,000 MCF @ 9.00 / MCF	\$ 90,004	\$ 90,004
GAS MCF FIRM - 2721 MCF @ \$9.00/MCF	\$ 24,489	\$ 24,489
GAS USAGE FOR NOX REDUCTION - 500 MCF @ \$9.00/MCF	\$ 4,500	\$ 4,500
VGS METER CHARGE	\$ 4,200	\$ 4,200
WOOD		
WOOD USAGE IS 340,000 TONS @ \$34.37 & \$34.50 / TON	\$ 11,711,150	\$ 11,828,700
WOOD - LABOR - YARDWORKER	\$ 624,962	\$ 576,400
WOOD - LABOR & EXPENSES - FORESTERS	\$ 700,290	\$ 727,143
WOOD - WASTE WOOD YARD LABOR	\$ 133,608	\$ 130,934
WOOD - RAILROAD		
RAIL COSTS FOR 175 (rounded) TRAINS @ \$10,500/TRAIN (January - Sept)	\$ 1,512,097	\$ 1,548,387
RAIL COSTS FOR 55 (rounded) TRAINS @ \$12,000/TRAIN (Oct - December)	\$ 544,354	\$ 656,682
TOTAL WOOD - RAILROAD TRAIN COST FOR CY 2021	\$2,056,451	\$2,205,069
RAILROAD FUEL EQUALIZATION ADJUSTMENT	\$ 205,645	\$ 220,507
THREE WEATHER RELATED UNLOADING DELAYS @ \$2,750/TRAIN	\$ 8,250	\$ 8,250
ADDITIONAL SNOW TRAINS 2 TRAINS @ 10,500 & 1 TRAIN @ 10,233	\$ 31,500	\$ 31,500
WOOD - SWANTON YARD		
SWANTON COSTS ARE 263,250 TONS @ \$3.55 and 3.63 / TON	\$ 943,200	\$ 946,538
SWANTON YARD EQUALIZATION ADJUSTMENT	\$ 94,320	\$ 94,654
RAILCAR UNLOADING CONTRACT (TEMP LABOR)	\$ 14,040	\$ 18,000
ASH HANDLING	\$ 133,205	\$ 133,205
LOADER FUEL MCNEIL YARD 45,000 GALLONS @ \$3.75/GALLON	\$ 168,750	\$ 168,750
LOADER FUEL WASTE WOOD YARD 2,626 GALLONS @ \$3.75/GALLON	\$ 9,848	\$ 9,848
EMERGENCY LOADER RENTAL	\$ 8,000	\$ 8,000
RAILCAR MAINTENANCE	\$ 175,000	\$ 100,000
LOADER MAINTENANCE - MCNEIL YARD	\$ 213,500	\$ 198,500
LOADER MAINTENANCE - WASTE WOOD YARD (CONSUMABLES)	\$ 57,600	\$ 57,000
GRINDING COST FOR WASTE WOOD	\$ 155,000	\$ 154,000
RAILROAD - NERC INDUSTRIAL TRACK LEASE AGREEMENT	\$ 11,500	\$ 11,000
RAILROAD TRACK ENGINEER INSPECTION	\$ 3,000	\$ 3,000
RAILROAD TRACK MAINTENANCE	\$ 40,000	\$ 35,000
RAILROAD SWITCHING @110/SWITCH/14 SWITCHES PER MONTH	\$ 18,480	\$ 18,480
ROUTINE CHARGES - RAILCARS/SCALES/VEHICLES ETC	\$ 48,000	\$ 48,000
CSWD ANNUAL PAYMENT FOR OPERATION OF THE WASTE WOOD YARD	\$ (60,000)	\$ (60,000)
Fuel Account Sheet		
TOTAL 501 CHARGES	\$17,634,429	\$17,801,610

MCNEIL STATION CALENDAR YEAR 2026 BUDGET - CAPITAL

ACCT.	TITLE	CY 2026 Capital Budget	Budgeted CY2025
311	<b>STRUCTURES &amp; IMPROVEMENTS</b>		
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 40,000	
	NEW WELL	\$ 208,756	
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 40,000	
	TOTAL ACCOUNT 311	\$ 288,756	\$ 162,500
312	<b>BOILER PLANT EQUIPMENT</b>		
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	STATION TOOLS AND TOOLBOXES	\$ 7,500	
	ANALYZER UPGRADES FOR CHEMICAL TREATMENT	\$ 17,500	
	ESP MECHANICAL FIELD REBUILD	\$ 613,951	
	DEMIN RESIN	\$ 40,000	
	OPACITY REPLACEMENT	\$ 49,855	
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	STATION TOOLS AND TOOLBOXES	\$ 7,500	
	REPLACEMENT RAILCARS	\$ 100,000	
	OPACITY REPLACEMENT	\$ 13,290	
	TOTAL ACCOUNT 312	\$ 939,596	\$ 1,812,666
314	<b>TURBINE GENERATOR</b>		
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	RSCR CATALYST REPLACEMENT	\$ 620,000	
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	TOTAL ACCOUNT 314	\$ 710,000	\$ 155,000
315	<b>ACCESSORY ELECTRIC EQUIPMENT</b>		
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 45,000	
	IT FORWARD (FINANCE BUDGET)	\$ 100,000	
	AWS SOFTWARE	\$ 15,000	
	TOTAL ACCOUNT 315	\$ 205,000	\$187,382
316	<b>PLANT AND EQUIPMENT</b>		
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 10,000	
	RIGGING EQUIPMENT	\$ 5,000	
	ROUTINE STATION IMPROVEMENTS / STRUCTURES & IMPROVEMENTS	\$ 10,000	
	RIGGING EQUIPMENT	\$ 5,000	
	WOOD HANDLING FRONT END LOADER	\$ 850,000	
	TRUCK DUMPER REPAIR	\$ 33,250	
	TOTAL ACCOUNT 316	\$ 913,250	\$30,000
362	<b>STATION EQUIPMENT</b>		
	TOTAL ACCOUNT 362	\$ -	\$0
391	<b>OFFICE FURNITURE &amp; EQUIPMENT</b>		
	TOTAL ACCOUNT 391	\$ -	\$11,000
392	<b>TRANSPORTATION EQUIPMENT</b>		
	FORESTRY VEHICLE	\$ 40,000	
	TOTAL ACCOUNT 392	\$ 40,000	\$0
398	<b>MISCELLANEOUS EQUIPMENT</b>		
	TOTAL ACCOUNT 398	\$ -	\$2,200
	<b>CAPITAL BUDGET TOTAL</b>	<b>\$ 3,096,602</b>	<b>\$ 2,360,748</b>

MCNEIL STATION BUDGET AND ACTUAL AMOUNTS  
FOR CALENDAR YEARS 2023 - 2024 AND JANUARY- SEPTEMBER 2025

ACCT.

		CY2023 Budget	CY 2023 ACTUAL	CY2024 Budget	CY 2024 ACTUAL	CY2025 Budget	CY 2025 ACTUAL AS OF September	CY2026 Budget
<b>OPERATIONS</b>								
500	SUPERVISION & ENGINEERING	667,877	455,339	573,048	448,890	\$642,301	585,523	546,999
501	FUEL EXPENSE	22,138,770	14,606,608	19,212,830	14,716,514	\$17,801,610	13,046,383	17,634,429
502	STEAM EXPENSE	2,261,028	1,963,683	2,154,073	2,240,747	\$2,388,277	1,721,176	2,520,651
505	ELECTRIC EXPENSE	870,923	757,479	894,131	760,844	\$984,840	628,067	995,522
506	MISCELLANEOUS STEAM EXPENSE	871,317	689,620	719,697	723,989	\$749,911	559,166	831,171
<b>MAINTENANCE</b>								
510	SUPERVISION & ENGINEERING	92,720	148,378	161,885	28,431	\$126,674	0	166,882
511	STRUCTURE	116,760	44,986	86,640	52,452	\$86,744	51,800	158,754
512	BOILER PLANT	1,368,167	1,439,905	1,055,304	790,431	\$1,180,847	578,490	1,217,618
513	ELECTRIC PLANT	800,362	514,330	958,959	821,135	\$1,028,999	492,130	1,065,574
514	MISCELLANEOUS STEAM PLANT	52,145	54,232	50,908	29,523	\$48,825	28,105	51,001
<b>TOTAL GENERATION EXPENSES</b>		<b>29,240,069</b>	<b>20,674,560</b>	<b>25,867,475</b>	<b>20,612,956</b>	<b>25,039,028</b>	<b>17,690,840</b>	<b>25,188,601</b>
556	SYSTEM CONTROL & LOAD DISPATCHING	86,180	45,592	113,566	49,790	\$111,957	46,389	113,988
562	OPERATIONS STATION EQUIPMENT	30,800	1,051	32,400	2,131	\$32,400	8,626	10,000
567	OPERATIONS - RENT	20,218	20,170	20,218	21,745	\$20,218	16,929	29,218
570	MAINTENANCE - STATION EQUIP.	6,000	0	6,000	0	\$6,000	0	6,000
<b>TOTAL TRANSMISSION EXPENSE</b>		<b>143,198</b>	<b>66,813</b>	<b>172,184</b>	<b>73,666</b>	<b>170,575</b>	<b>71,944</b>	<b>159,206</b>
<b>ADMINISTRATIVE &amp; GENERAL EXPENSE</b>								
909	INFORMATIONAL ADVERTISING	94,771	73,959	81,974	82,393	\$87,565	61,181	89,192
920	SALARIES	767,351	673,040	913,150	771,988	\$1,160,264	565,875	1,150,004
921	OFFICE SUPPLIES AND EXPENSES	144,975	75,252	124,221	97,864	\$134,134	91,505	163,049
921	ADMINISTRATIVE FEE (A&G & ALLOC)	43,122	42,732	45,606	38,730	\$34,512	27,894	38,940
923	OUTSIDE SERVICES	218,810	211,662	289,411	198,371	\$206,033	150,888	198,598
924	PROPERTY INSURANCE (ANNUAL)	525,218	509,419	596,942	567,341	\$576,500	487,826	581,011
<b>TOTAL ACCOUNT 909 - 924</b>		<b>1,794,247</b>	<b>1,586,064</b>	<b>2,051,304</b>	<b>1,756,687</b>	<b>2,199,008</b>	<b>1,385,169</b>	<b>2,220,794</b>
925	LIABILITY INSURANCE (ANNUAL)	97,168	49,509	111,378	77,843	\$101,688	53,082	95,972
925	SAFETY	144,479	113,617	154,322	124,403	\$238,731	\$103,079	\$157,721
925	INJURIES & DAMAGES	111,000	174,842	111,000	93,927	\$117,000	\$85,733	\$117,000
<b>TOTAL ACCOUNT 925</b>		<b>352,647</b>	<b>337,968</b>	<b>376,700</b>	<b>296,173</b>	<b>457,419</b>	<b>241,894</b>	<b>370,693</b>
926	EMP. BENEFITS - UNALLOCATED	9,600	(12,439)	2,898	57,358	\$15,000	\$13,849	\$16,500
930	MISCELLANEOUS GENERAL EXPENSE	106,604	27,059	32,419	23,586	\$36,308	\$20,525	\$51,262
935	MAINT. OF GENERAL PLANT	22,000	6,059	19,700	6,792	\$20,200	\$11,209	\$22,200
<b>TOTAL A&amp;G EXPENSES</b>		<b>2,285,098</b>	<b>1,944,711</b>	<b>2,483,021</b>	<b>2,140,596</b>	<b>2,727,935</b>	<b>1,672,646</b>	<b>2,681,449</b>
408	TAXES	1,710,000	1,613,308	1,710,000	1,730,800	\$1,735,650	\$1,346,435	\$1,860,000
411	GAIN/LOSS ON DISPOSAL OF PLANT	300,000	0	300,000	368,507	\$300,000	\$20,972	\$300,000
411	LOSS ON DISPOSAL OF INVENTORY	200,000	0	200,000	0	\$200,000	\$0	\$200,000
421	MISC NON-OPERATING INCOME		(61,446)		(54,740)		(\$51,015)	
<b>TOTAL EXPENSES</b>		<b>33,878,365</b>	<b>24,237,946</b>	<b>30,732,680</b>	<b>24,871,785</b>	<b>30,173,188</b>	<b>20,751,822</b>	<b>30,389,256</b>
<b>MAJOR TURBINE OUTAGE</b>								
<b>Total Expense Minus Outage</b>								

**MCNEIL STATION CAPITAL BUDGET AMOUNTS AND ACTUAL SPENT  
FOR CALENDAR YEARS 2023 - 2024 AND JANUARY- SEPTEMBER 2025**

Acct	DESCRIPTION	2023	2023	2024	2024	2025	2025	2026
		BUDGET		BUDGET		BUDGET	ACTUAL AS OF	BUDGET
		AMOUNT	ACTUAL	AMOUNT	ACTUAL	AMOUNT	SEPTEMBER	AMOUNT
303	Software and Licenses	\$0	\$0	\$0	\$0	\$0		\$0
311	Structures & Improvements	\$175,000	\$139,723	\$454,977	\$10,442	\$162,500	\$7,183	\$288,756
312	Boiler Plant Equipment	\$1,014,290	\$1,123,177	\$1,996,906	\$961,484	\$1,812,666	\$788,081	\$939,596
314	Turbine Generator	\$687,963	\$123,614	\$179,988	\$615,631	\$155,000	\$5,639	\$710,000
315	Accessory Electric Equipment	\$129,803	\$268,415	\$90,000	\$28,573	\$187,382	\$1,243	\$205,000
316	Miscellaneous Plant Equipment	\$714,500	\$416,684	\$31,856	(\$50,605)	\$30,000	\$5,938	\$913,250
362	Station Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
391	Office Furniture & Equipment	\$7,000	\$3,167	\$5,000	\$0	\$11,000	\$1,170	\$0
392	Transportation Equipment	\$113,000	\$0	\$40,000	\$36,187	\$0	\$2,210	\$40,000
398	Miscellaneous Equipment	\$2,000	\$3,971	\$1,000	\$0	\$2,200	\$0	
	<b>Total</b>	<b>\$2,843,556</b>	<b>\$2,078,751</b>	<b>\$2,799,727</b>	<b>\$1,601,712</b>	<b>\$2,360,748</b>	<b>\$811,464</b>	<b>\$3,096,602</b>

# National Institute of Standards & Technology (NIST) Cybersecurity Framework

				Score (1-3)	0-1.9	Red
					2-2.5	Yellow
					2.6-3.0	Green
<b>Identify</b>						
1.1	Asset Inventory					
1.2	Critical Asset Classification					
1.3	Risk Assessment					
1.4	Vendor/Third Party Reviews					
<b>Protect</b>						
2.1	IT and OT use Multifactor					
2.2	Patch Management					
2.3	Security Awareness Training					
2.4	Endpoint and Network Protection					
2.5	Critical Backups, performed test and verified					
<b>Detect</b>						
3.1	Security Monitoring Coverage					
3.2	Mean Time to Detect (MTTD)					
3.3	Alert Triage & SLA Compliance					
3.4	Anomalous Activity Trends					
3.5	OT/SCADA Detection Capabilities					
<b>Respond</b>						
4.1	Documented Incident Reponse Plan					
4.2	Incident Response Testing					
4.3	Mean Response Time					
4.4	Post incident Review Completed					
4.5	Communication and Escalation					
<b>Recover</b>						
5.1	Backup success and validation (IT/OT)					
5.2	RTO					
5.3	RPO					
5.4	Recovery Plan Documentation					
5.5	Recovery Plan Testing					
5.6	Improvement Process					

Overall Maturity	
0	nothing in place
1	partial/not adequate
2	controls/methodology in place but not validated/tested
3	robust controls/methodology in place and tested

<b>Current Threat Exposures - Top Three</b>  1) 2) 3)
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Selected Key Performance Indicators		Score	Target	Comments
<b>Risk Management</b>				
	Applicable High-Risk Vulnerabilities (Server OS)		N/A	
	Annual Penetration Test		Yearly	
	Documentation		Yearly	
<b>Technical Controls</b>				
	Users enrolled in MFA		100%	
	Workstation Patch Compliance/Windows Updates		95%	
	Server Patch Compliance/Windows Updates		95%	
	Endpoint Protection		100%	
	Total Quarantined Messages (November) O365		N/A	
	Released Messages		N/A	
	Quarantined Phish		N/A	
	Malware		N/A	
<b>User Awareness and Training - Q4 2025 to-date</b>				
	Total Phishing Simulations		8	
	Simulation Failure Rate		1%	
	Unique Users Compromised (Simulation)		1%	
	Remedial Training Completion Rate		100%	
	Repeat Users Compromised (Simulation)		0	
	Annual Training Completion (UKG/Schoox)		100%	
<b>Incident Response/Security Operations Center (SOC) - Rolling three months</b>				
	SOC Alarms		N/A	
	Critical Alarms		N/A	
	SOC Reports/Tickets		N/A	
	Tickets Open End of November		N/A	
	Time to Detection		< 30	
	First Response		< 60	



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Burlington Electric Department

McNeil Plant Project Update

November 25, 2025

Transportation, Energy, and Utilities Committee

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Brad Bradshaw  
Katherine Birnie  
Velerity LLC

# Agenda

**City Council Resolution 7.6 and Scope of Work**

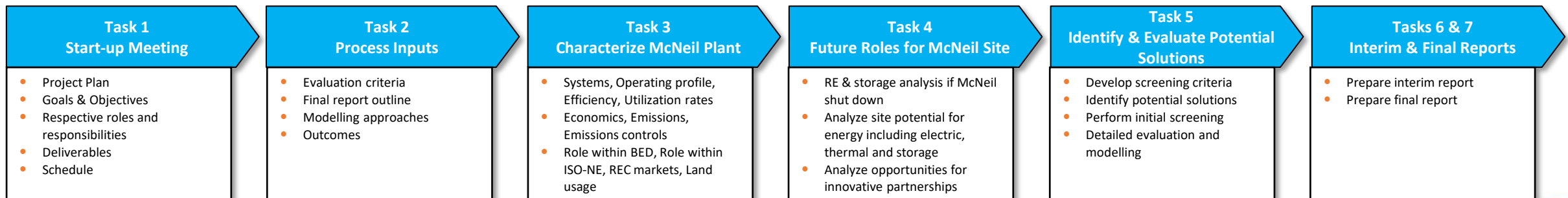
**Setting Emissions Baseline**

**Potential GHG Emissions Reduction Initiatives**

**Renewables and Storage Needed if McNeil Were Not In Service**

# November 20, 2023 City Council Resolution 7.6 formed the basis for developing and implementing a seven step task plan.

<i>Requests that BED do the following:</i>	<i>And commission an analysis to assess:</i>
<ol style="list-style-type: none"> <li>1) Study the potential timeframes of plans to transition away from the need for conventional wood chip combustion as a significant power source for the City of Burlington, including but not limited to the possibilities of repowering the McNeil plant with different fuels that would reduce greenhouse gas emissions</li> <li>2) Generate and implement a plan in collaboration with McNeil joint owners to reduce the greenhouse gas emissions from the McNeil plant stack by at least 25% in the next 5 years and 50% in the next 10 years to the greatest extent practicable while continuing to reliably operate the Plant for the benefit of ratepayers; and</li> <li>3) Identify opportunities for utilizing the McNeil site for additional energy needs including energy storage and/or thermal provision and/or expansion of innovative partnerships such as the UVM solar research center.</li> </ol>	<ol style="list-style-type: none"> <li>1) The possibilities of repowering the McNeil site with different fuels that would significantly reduce greenhouse emissions at the stack as a bridge measure until truly low carbon sources of electricity such as wind, solar and storage technologies can provide reliable electric generation capacity within the affordability needs of ratepayers with particularity to low and moderate-income ratepayers;</li> <li>2) The utilization of technologies that would significantly reduce greenhouse emissions in the future, including more efficient combustion;</li> <li>3) The utilization of the McNeil site for additional energy needs including energy storage and/or thermal energy provision;</li> <li>4) The expansion of innovative partnerships such as the UVM solar research center newly located at the McNeil Plant; and</li> <li>5) The scale and types of alternative renewable energy technologies and energy storage that would be needed if McNeil were not in service and Burlington desired to have its community provided with the lowest-carbon emissions renewable power generation that is both reliable and affordable particularly for low and moderate-income ratepayers.</li> </ol>



# The principal focus is on two areas: reducing emissions and understanding the renewable and storage resources required for the “not-in-service” scenario

## *I. Analyze a range of potential initiatives to reduce stack emissions by 25% and 50%*

- ▶ Establish an emissions baseline for McNeil
- ▶ Identify, characterize and evaluate potential emissions reduction initiatives
- ▶ Determine emissions impacts
- ▶ Characterize operating cost impact
- ▶ Characterize capital requirements
- ▶ Determine rate impacts

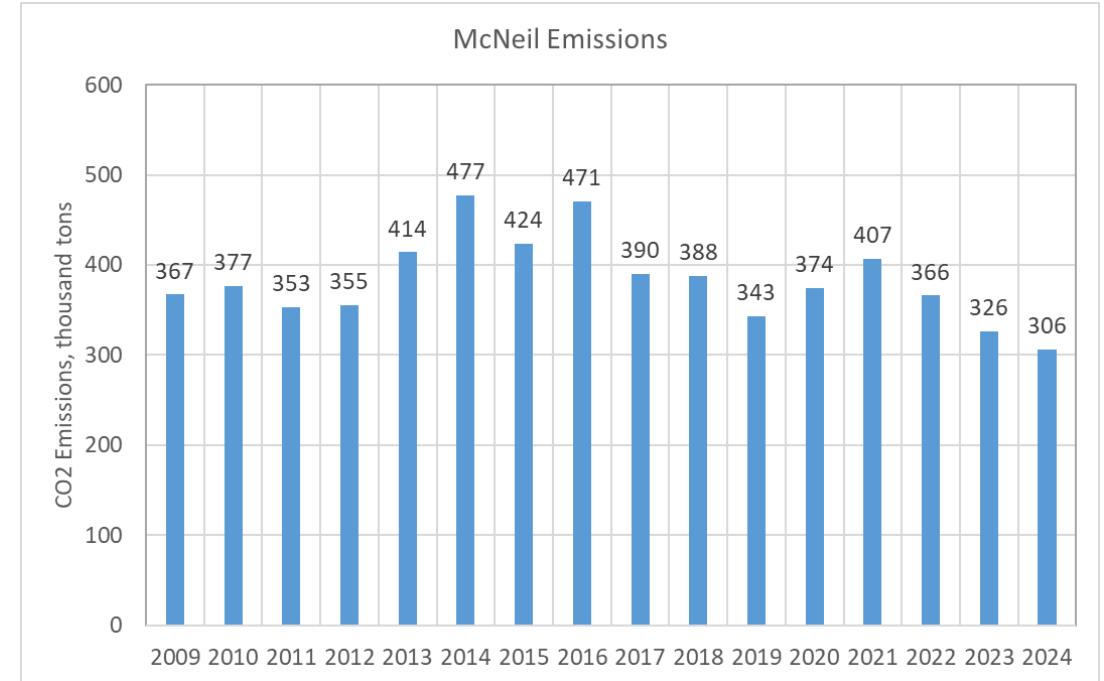
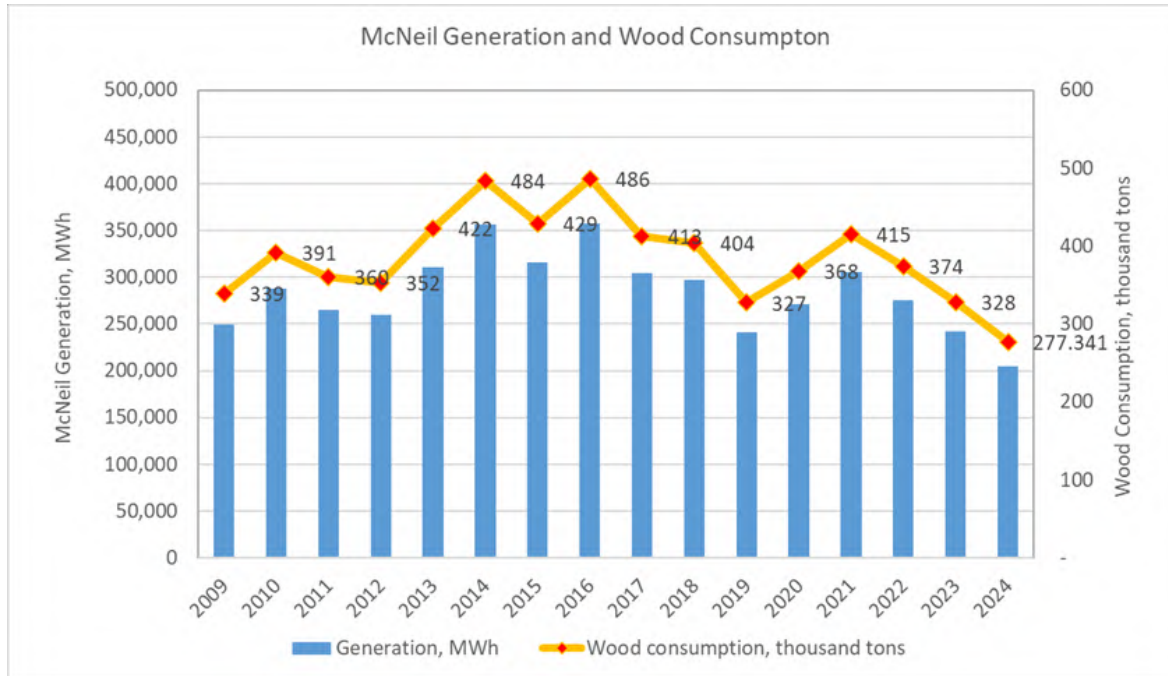
## *II. Determine the scale and types of renewables and energy storage required if McNeil were not in service that are reliable and affordable*

- ▶ Characterize McNeil considering energy, capacity and ancillary services
- ▶ Understand McNeil operating profile and economics
- ▶ Understand how McNeil generates economic value for the people of Burlington
- ▶ Determine the scale and types of renewable and storage assets needed if McNeil were not in service

*Boundary Conditions:*

- ▶ **Maintaining 100% renewable energy designation**
  - ▶ Securing energy and capacity resources that are renewable
- ▶ **Maintaining rates that do not materially change especially considering economically disadvantaged customers**
  - ▶ Mix of energy, monthly peak capacity, annual peak capacity and ancillary resources that in aggregate mimic or that do not materially increase BED rates

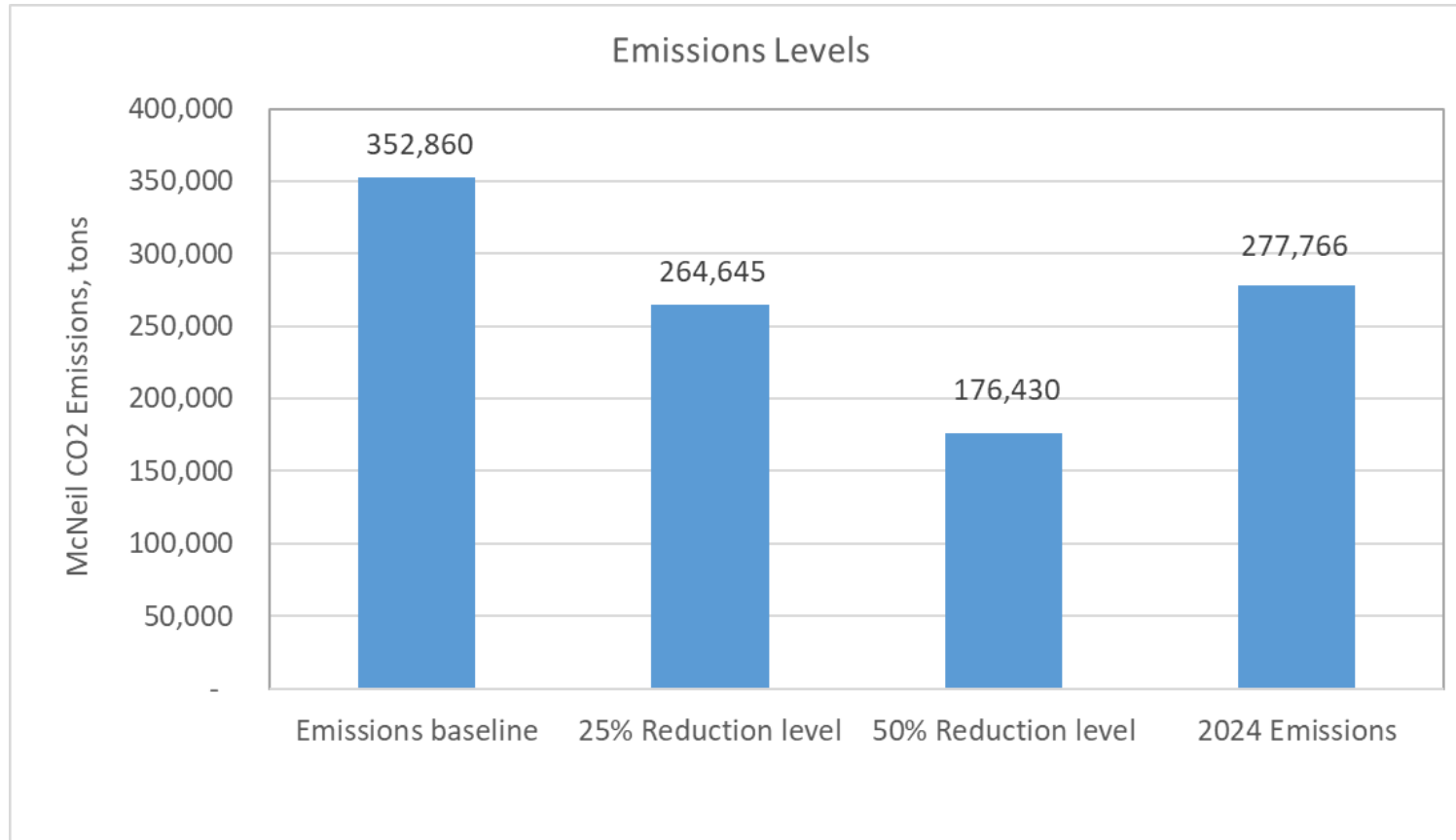
McNeil generation, wood consumption and emissions have been generally been falling since hitting a peak in 2014 and 2015, aside from the Ukraine war impact in 2021.



# Identifying and evaluating potential emission reduction initiatives required setting an emissions baseline, a starting point from which to measure the scale and impact of potential initiatives

<b>Generation</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Generation, FY, MWh	270,713	305,412	275,141	241,775	204,240
Generation, 5 year average	<b>259,456</b>				
<b>Wood Consumption</b>	367,606	414,725	373,619	328,311	277,341
Five year average, tons/year	352,320				
Rate, tons/MWh	1.36	1.36	1.36	1.36	1.36
Rate, MWh/ton	0.74	0.74	0.74	0.74	0.74
<b>Emissions Rate</b>	1.36	tons per MWh			
Emissions, tons	368,170	415,360	374,192	328,814	277,766
Five year average, tons/year	<b>352,860</b>	tons per year			
				Target emissions levels	
25% reduction	88,215	tons per year		264,645	tons/year
50% reduction	176,430	tons per year		176,430	tons/year

Using the baseline of 352,860 tons/year, a 25% reduction equates to a 4.7% reduction from 2024 while a 50% reduction equates to a 36.5% reduction from 2024.



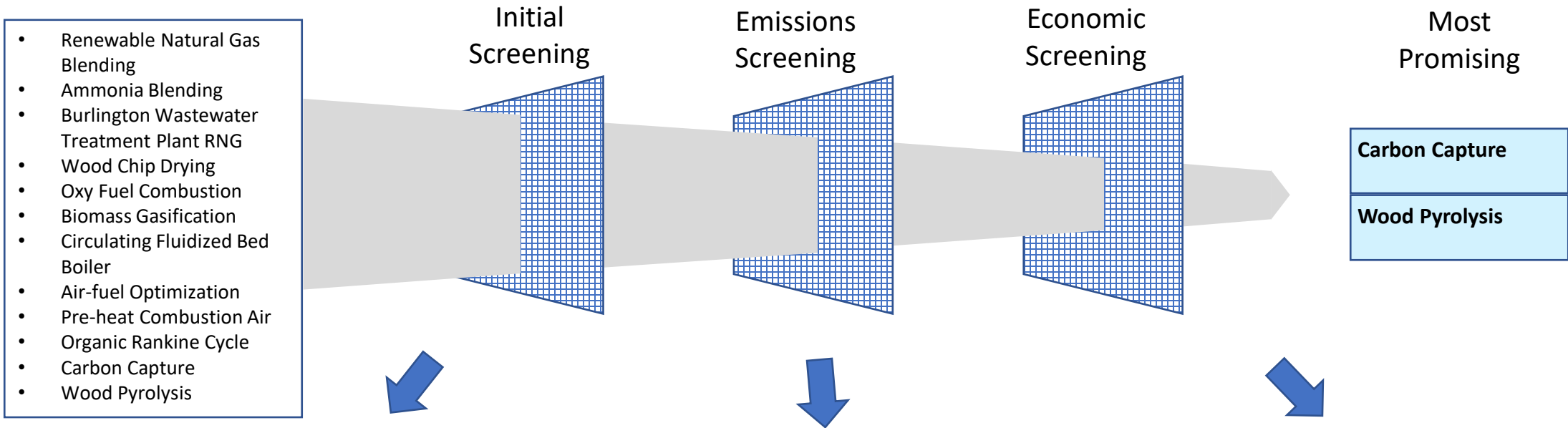
- ▶ To achieve the 25% reduction in emissions from the baseline emissions level requires a 4.7% reduction in emissions from 2024.
- ▶ To achieve the 50% reduction in emissions from the baseline emissions level requires a 36.5% reduction in emissions from 2024.

# 12 potential emission reduction initiatives were assessed relative to reducing McNeil stack emissions

Potential initiatives	Description
<b>Renewable Natural Gas Blending</b>	Purchase wholesale renewable natural gas from landfills and feed into the McNeil boiler system
<b>Ammonia Blending</b>	Purchase low carbon ammonia, receive via tanker rail car and feed into the McNeil boiler system for combustion
<b>Burlington Wastewater RNG</b>	Work with Winooski and Burlington wastewater treatment plants to have anaerobic digesters installed to produce RNG
<b>Wood Chip Drying</b>	Recover waste heat from the McNeil stack and use to heat to reduce the moisture content of the wood chips
<b>OxyFuel Combustion</b>	Install an air separation unit to produce and mix into the combustion process pure oxygen
<b>Biomass Gasification</b>	Install a gasifier unit to gasify the wood chips to run the syngas through a high efficiency combustion turbine

Potential initiatives	Description
<b>Circulating Fluidized Bed Boiler</b>	Install a new combustion system in McNeil to improve combustion efficiency
<b>Air Fuel Optimization</b>	Install a control system that modulate and optimizes the air fuel mixture in real time
<b>Pre-Heat Combustion Fuel</b>	Recovery waste heat from the stack to pre-heat incoming air for the combustion process
<b>Organic Rankine Cycle</b>	Install a waste heat recovery system using flue gases to operate an ORC to produce additional electricity
<b>Carbon Capture</b>	Install an amine process to capture carbon-dioxide from the flue gases, which is then cooled to a liquid state and sold
<b>Wood Pyrolysis</b>	Install a pyrolysis system that converts wood chips to a syngas to feed a combined cycle gas turbine to produce electricity

# 12 potential emission reduction initiatives were evaluated resulting in Carbon Capture and Wood Pyrolysis being the most promising to substantively reduce McNeil emissions



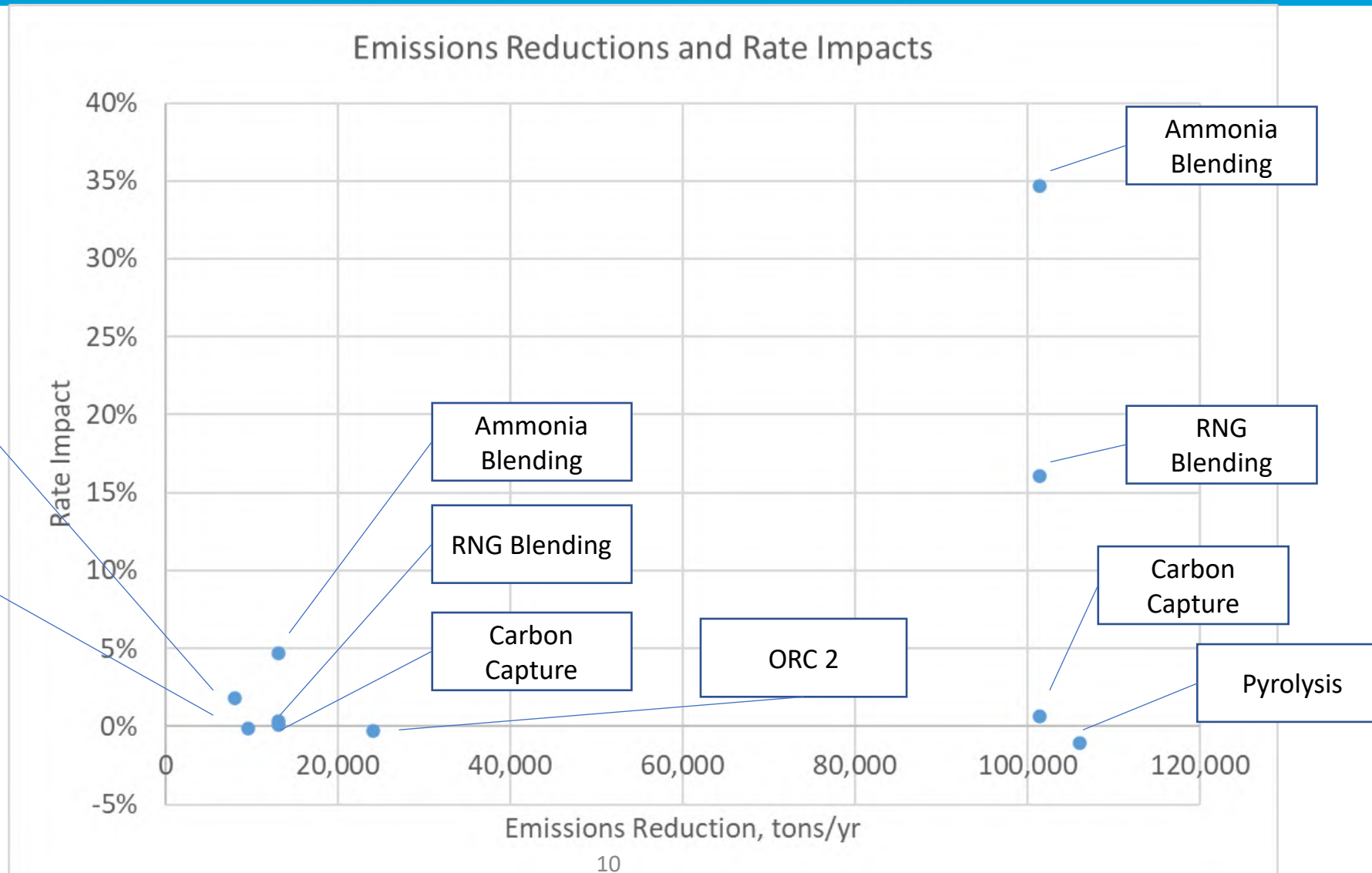
- Renewable Natural Gas Blending
- Ammonia Blending
- Burlington Wastewater Treatment Plant RNG
- Wood Chip Drying
- Oxy Fuel Combustion
- Biomass Gasification
- Circulating Fluidized Bed Boiler
- Air-fuel Optimization
- Pre-heat Combustion Air
- Organic Rankine Cycle
- Carbon Capture
- Wood Pyrolysis

<b>Biomass Gasification</b>	Already investigated and abandoned
<b>Circulating Fluidized Bed Boiler</b>	Small efficiency gains do not warrant the massive rebuild
<b>Air Fuel Optimization</b>	Already implemented
<b>Pre-Heat Combustion Fuel</b>	Already implemented

<b>Burlington Wastewater RNG</b>	Low quantity of RNG – limited impact
<b>Wood Chip Drying</b>	Insufficient waste heat available constraining impact
<b>Organic Rankine Cycle</b>	Insufficient waste heat available constraining impact

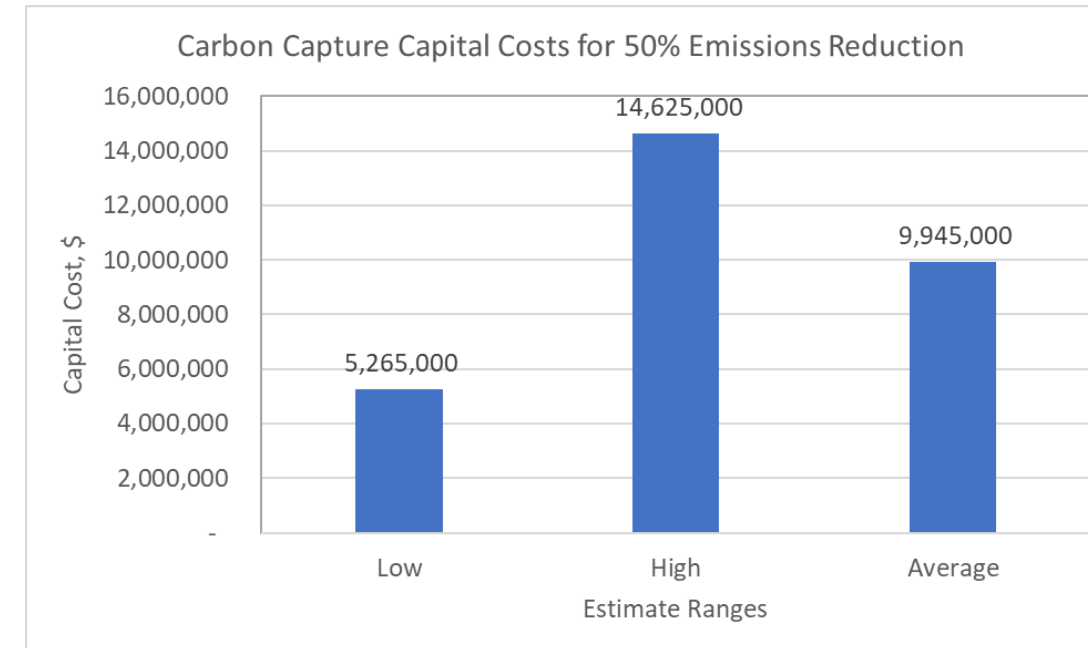
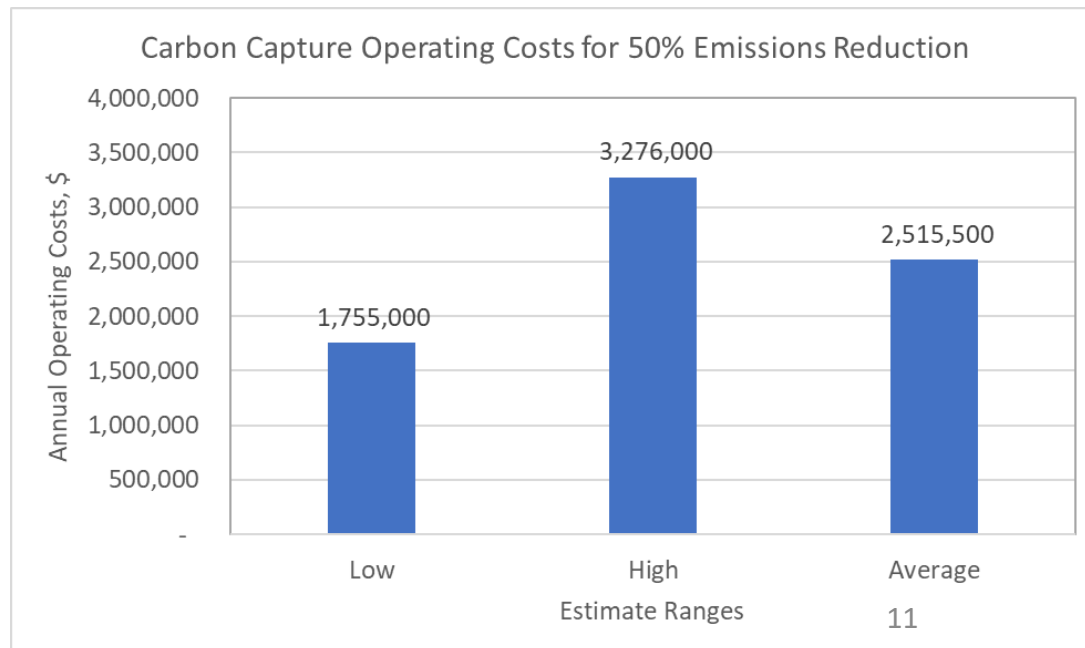
<b>Renewable Natural Gas Blending</b>	Fuel cost too high
<b>Ammonia Blending</b>	Fuel cost too high

# Summary results considering prospective rate impacts and carbon reduction



# Carbon Capture

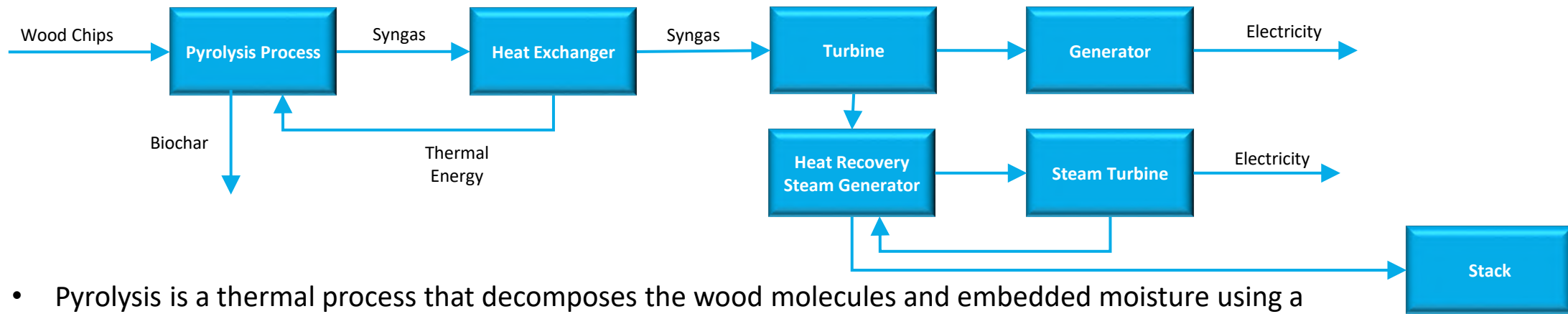
- ▶ Post combustion carbon capture was evaluated for McNeil. The capital costs and operating costs were evaluated for achieving a 50% reduction in emissions, targeting 100,000 tons per year of carbon removal. Key source is the study of 110 wood fired CHP facilities in Sweden with post combustion carbon capture.
- ▶ The captured carbon dioxide would be sold in the Northeast market for carbon dioxide, estimated to be approximately 500,000 tons per year. CO2 would be purified and compressed and distributed in liquid CO2 trailer trucks. McNeil would be able to realize revenues from the sale of CO2, helping mitigate operating expenses, with potential revenues of up to \$3 million per year, depending on market uptake.



# Carbon Capture

<b>Rate Impact</b>	<b>25% Level</b>	<b>50% Level</b>
CapX	67,159	518,678
OpX	242,609	1,873,706
Revenues	262,422	2,026,724
Total	47,346	365,661
Annual electricity sales	327,126	327,126
Average rate	0.1734	0.1734
Annual revenues	56,737,888	56,737,888
Increase in revenue requirements	47,346	365,661
New revenue requirements	56,785,234	57,103,548
Implied rate requirement	0.1736	0.1746
Rate increase	0.0001	0.0011
Rate increase	0.08%	0.64%

# Wood pyrolysis represents an opportunity to significantly increase the electric production efficiency while simultaneously reducing carbon emissions



- Pyrolysis is a thermal process that decomposes the wood molecules and embedded moisture using a high temperature in the absence of oxygen. The process is not a combustion process and does not emit CO<sub>2</sub>. Depending on the temperature and the use of a catalyst, pyrolysis produces biochar and a syngas. The biochar can be sold into markets as a soil additive for agricultural purposes while the syngas can be used to produce electricity.
- Syngas is fed into a combined cycle gas turbine including a combustion turbine and a steam turbine, resulting in high efficiency electricity generation of approximately 60%.
- The combustion of the syngas with atmosphere does produce nitrous oxides which are mitigated in the design of the turbine to meet EPA requirements. The exhaust gases could potentially be fed into the McNeil existing NO<sub>x</sub> capture system to further reduce NO<sub>x</sub> emissions.
- The pyrolysis system would benefit from continuous operation as a baseload system for Burlington.
- The pyrolysis reduces carbon emissions for the McNeil site in two ways:
- Biochar contains carbon that is removed from the process
- The doubling of efficiency reduces emissions per unit of electricity generated

# Pyrolysis benefits from having a high efficiency as well as being able to sell the biochar output to generate additional revenues

Carbon emissions	Wood Consumption tpy	Carbon Intensity, CO2 tons/ton wood consumed	Carbon Emissions
McNeil	141,504	1.00	141,720
Pyrolysis	75,000	0.40	30,046

Summary		
Number of Pyrolysis Systems	3	
Combustion turbine production	68,157	MWh/yr
Steam turbine production	31,877	MWh/yr
Total	100,034	MWh/yr
<i>Target production</i>	204,240	MWh/yr
McNeil electricity production	104,206	MWh
Pyrolysis percentage of total output	49.0%	

Rate Impact	
CapX annual carrying cost	2,072,814
Pyrolysis wood cost change	3,317,250
McNeil wood cost change	(6,008,101)
Total	(618,037)
BED annual electricity sales	327,126
Average rate (calculation)	0.1734
Annual BED electricity revenues	56,737,888
Increase in revenue requirements	(618,037)
New revenue requirements	56,119,851
Implied rate requirement	0.1716
Rate increase	(0.0019)
Rate increase	-1.09%

# City Council Resolution regarding considering the renewables and storage needed if McNeil were not in service.

## ▶ From the City Council Resolution:

- Assess the scale and types of alternative renewable energy technologies and energy storage that would be needed if McNeil were not in service and Burlington desired to have its community provided with the lowest carbon emissions renewable power generation that is both reliable and affordable particularly for low and moderate-income ratepayers.

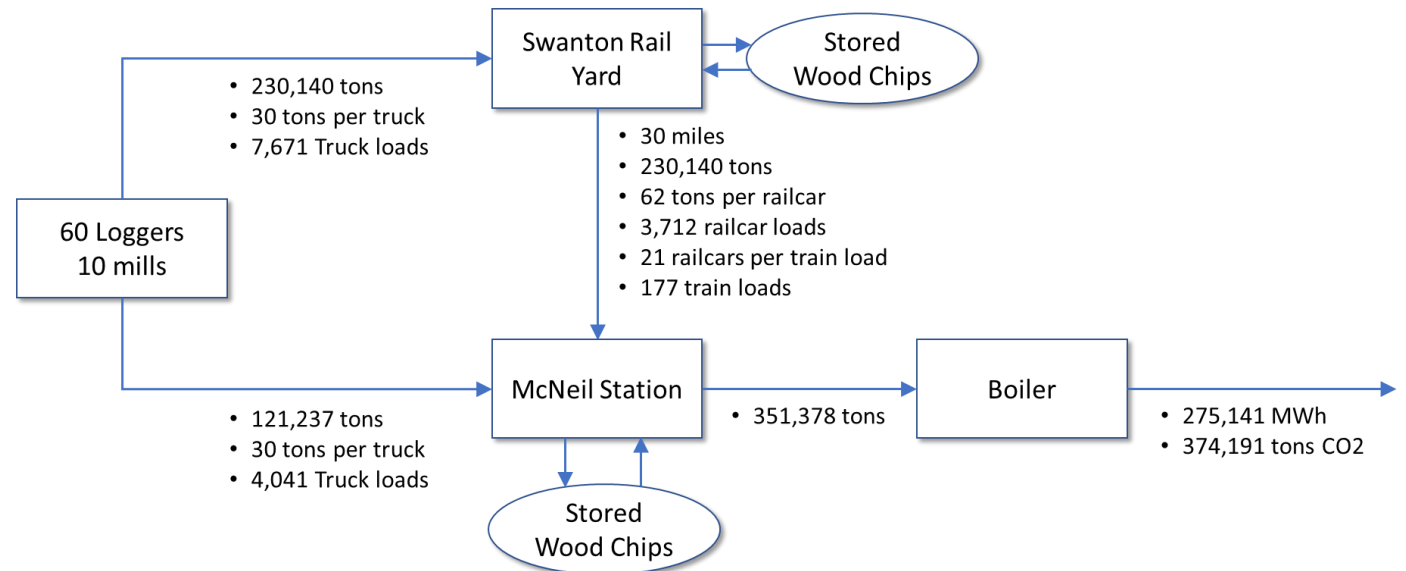
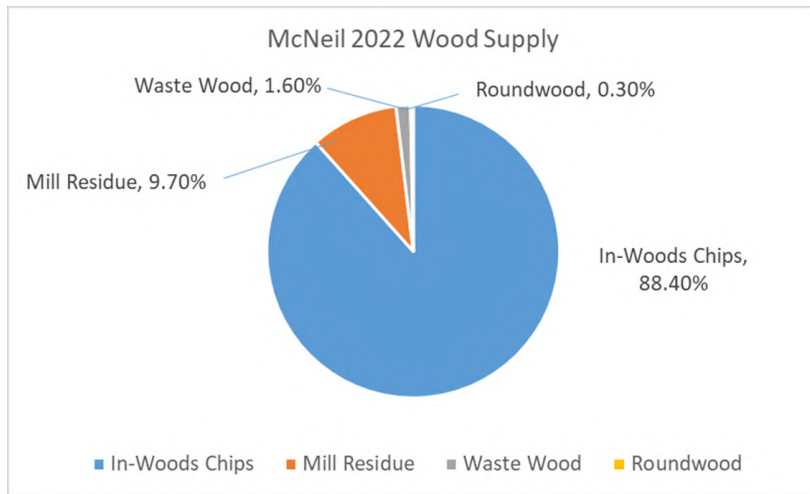
## ▶ Boundary conditions:

- Making sure that BED can still be qualified as 100% renewable energy in accordance with the criteria established by the state of Vermont.
- Maintaining rates that do not materially change especially considering economically disadvantaged customers

# McNeil provides several significant sources of value to its stakeholders including the people, institutions and commercial enterprises in the city of Burlington as well as the regional economy

- ▶ Generates and provides cost effective electricity to BED's customers
- ▶ Contributes to maintaining the Burlington Electric Department's 100% renewable energy designation on the part of the state of Vermont
- ▶ Provides a significant portion of the electricity consumed by the people, institutions and commercial enterprises in the city of Burlington
- ▶ Contributes materially to meeting BED's Capacity Load Obligation
- ▶ Contributes to the regional economy in terms of employment, maintenance, services and capital improvements through the wood supply chain and plant operations

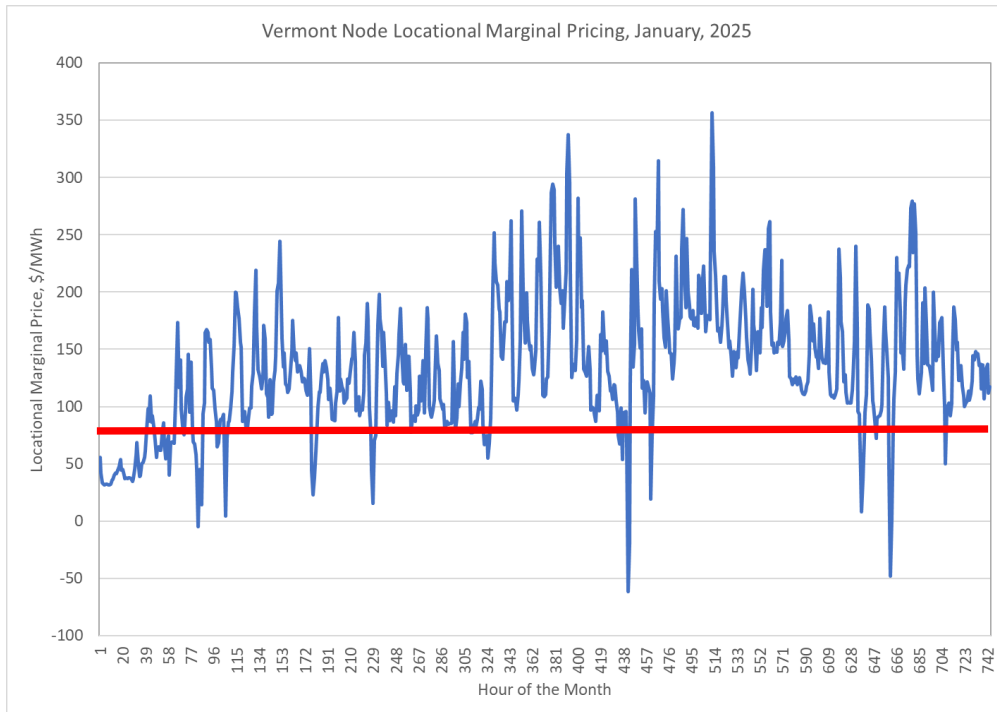
# McNeil has a favorable fuel cost of approximately \$4.40 per MMBtu



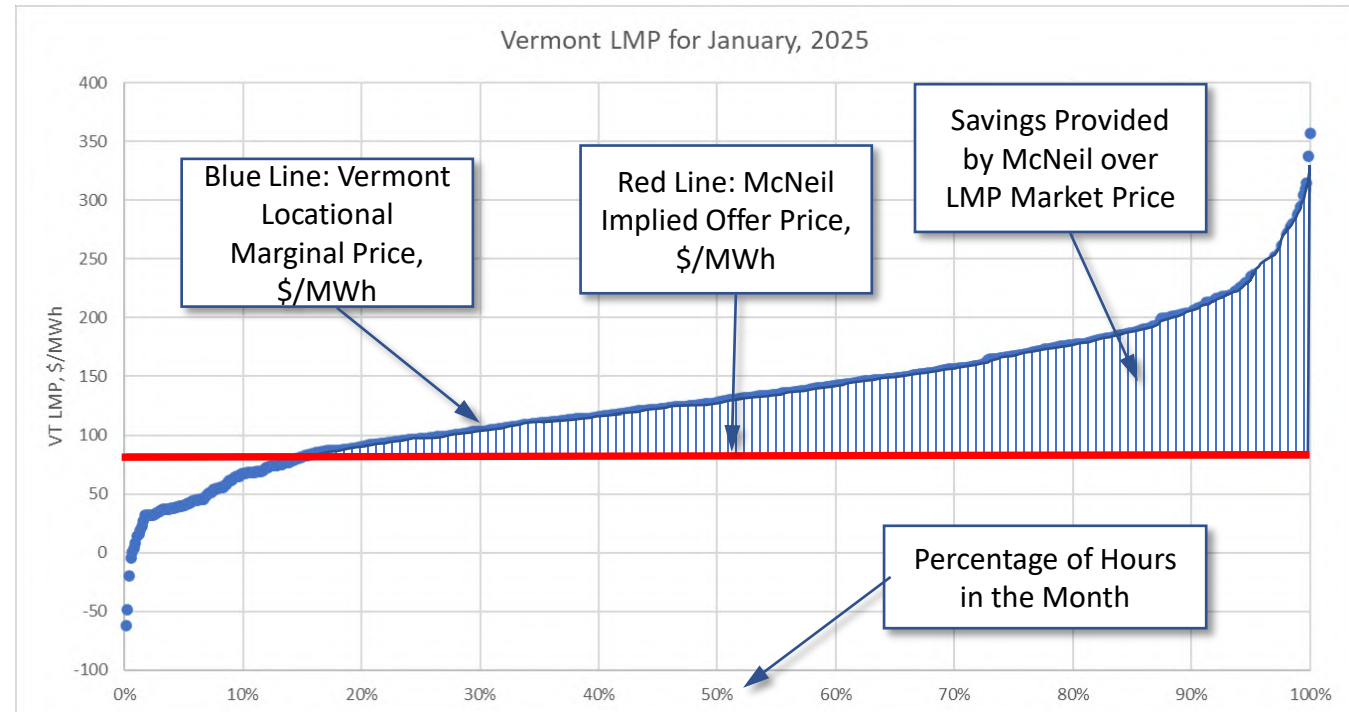
	Wood	Units
Quantity	277,341	tons (2024)
Energy content	2,791,177	MMBtu
Efficiency	27.5%	
Electricity output	224,963	MWh
Cost per unit	34.83	\$/ton
Wood purchase cost	9,659,787	
Calculated cost of wood	3.46	\$/MMBtu
Purchased wood	9,659,787	\$/year
Swanton cost	808,174	\$/year
Train cost	1,800,000	\$/year
Total	12,267,961	\$/year
Updated cost of wood	4.40	\$/MMBtu
Updated cost of wood	44.23	\$/ton

# Based on a preliminary analysis, considering only energy, purchasing replacement power on the wholesale market plus purchasing additional RECs would increase BED's revenue requirements by an estimated 17%

- ▶ In January, 2024 the McNeil power plant generated 32,680 MWh and had a capacity factor of 85.8%, implying that the plant operated 638 hours out of 744 hours in the month. For estimation and illustration purposes, we are applying the January 2024 operating profile to January 2025 ISO-NE LMP data to understand some of the financial implications if McNeil were not in service.
- ▶ To illustrate, BED customers benefit economically from the plant's operation in two ways, taking one approach:
  - **Power costs** - Instead of generating power, BED would have to buy power from the wholesale market well above the McNeil's implied offer price, amounting to an estimated power cost premium \$1,098,225.
  - **REC costs** - Because ISO-NE grid power is mostly fossil fuel, BED would have to purchase RECs to green up the power, adding an estimated \$594,776 in REC costs, considering that the ISO-NE grid was 52% fossil in January 2025



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# Considerations for the scale and types of renewable energy and energy storage if McNeil were not in service

Renewable Energy	Annual Capacity Load Obligation	Ancillary Services
<ul style="list-style-type: none"> <li>• Source 111,690 MWh/year</li> <li>• Evaluate in the context of maintaining BED's meeting Vermont's Renewable Energy Standard requirements for 100% renewable.</li> <li>• Consider renewable resources that can contribute to meeting BED's Capacity Load Obligation</li> <li>• Consider the full range of renewable resources available to BED</li> </ul>	<ul style="list-style-type: none"> <li>• Burlington has an annual peak of about 62 MW</li> <li>• BED's share of the McNeil capacity is approximately 26 MW</li> <li>• As a Load Serving Entity, BED has an obligation to make available capacity resources to meet peak capacity during the annual New England peak hour (Capacity Load Obligation)</li> <li>• Consider the full range of potential capacity resources available.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide ancillary services to the wholesale market in keeping with available resource mix</li> <li>• Generating revenues from the provision of ancillary services is not a technical requirement but potentially represents a loss of value associated with the not in service scenario.</li> </ul>

# BED would need to implement a mix of resources if McNeil were not in service, each with material implications associated availability, timing, capital requirements and performance risks

## *Generation with High Effective Load Carrying Capacity*

- ▶ Hydropower PPA or Investment
- ▶ BED Wood Pyrolysis Power Generation on the McNeil Site

## *Dispatchable Generation for Capacity*

- ▶ BED Combustion Turbine
- ▶ BED Reciprocating Engine

## *Utility Scale Battery Energy Storage*

- ▶ BED MW class battery energy storage system

## *Distributed Energy Resources / VPP*

- Mix of DER resources:
- ▶ Vehicle to Grid Enabled School Buses
  - ▶ Industrial load management
  - ▶ Residential domestic hot water load management
  - ▶ Utility initiated behind the meter backup power

# The scale and types of renewable energy and energy storage if McNeil were not in service

- ▶ Scenario 1 – Wood pyrolysis, utility scale BESS and distributed energy resources

<b>Pyrolysis/BESS/DER</b>	<b>Energy MWh</b>	<b>Capacity MW</b>
Wood Pyrolysis	111,681	12.75
Utility scale BESS	-	5.00
Distributed Energy Resources	-	9.32
Total	111,681	27.07

- ▶ Scenario 2 – Hydropower, utility scale battery energy storage and distributed energy resources

<b>Hydro/BESS/DER</b>	<b>Energy MWh</b>	<b>Capacity MW</b>
Hydropower	111,681	15.00
Utility scale BESS	-	5.00
Distributed Energy Resources	-	9.32
Total	111,681	29.32