

**BURLINGTON**  
**BOARD OF ELECTRIC COMMISSIONERS**  
585 Pine Street  
Burlington, Vermont 05401

SCOTT MOODY, CHAIR  
BETHANY WHITAKER, VICE CHAIR  
BETH ANDERSON  
LARA BONN  
JIM CHAGNON

*To be held at Burlington Electric Department (and)*  
*Via Microsoft Teams*

[+1 802-489-6254](tel:+18024896254)

Conference ID: 985 500 619#

**AGENDA**  
**Regular Meeting of the Board of Electric Commissioners**  
**Wednesday, March 13, 2024 – 5:00 p.m.**

- |                                                                                     |                |
|-------------------------------------------------------------------------------------|----------------|
| 1. Agenda                                                                           | 5:00 (5 min.)  |
| 2. Minutes of the February 14, 2024 Meeting                                         | 5:05 (5 min)   |
| 3. Public Forum                                                                     | 5:10 (5 min.)  |
| 4. Commissioners' Corner (Discussion)                                               | 5:15 (5 min.)  |
| 5. GM Update (Oral Update)                                                          | 5:20 (10 min.) |
| 6. Financials: January FY24 (Discussion): (E. Stebbins-Wheelock)                    | 5:30 (10 min.) |
| 7. Miscellaneous Service Fee Changes (Discussion & Vote):<br>(E. Stebbins-Wheelock) | 5:40 (15 min.) |
| 8. Commissioners' Check-In                                                          | 5:55 (5 min.)  |

Attest:

  
Laurie Lemieux, 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 [llemieux@burlingtonelectric.com](mailto:llemieux@burlingtonelectric.com) to receive a link to the meeting, or call (802) 489-6254, Conference ID: 985 500 619#

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

TABLE OF CONTENTS  
(for 03/13/2024 meeting)

**\*\*\* FYI \*\*\***

- Minutes of the February 14, 2024 Meeting
- February Monthly Report
- Dashboard
- January FY24 Financial Report

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



To: Burlington Board of Electric Commissioners  
From: Darren Springer, General Manager  
Date: March 8, 2024  
Subject: **February 2024 Highlights of Department Activities**

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### **General Manager**

- **BED incentives and Net Zero update** – BED is tentatively planning to announce the latest Net Zero Energy Roadmap update data on 3/21, along with information on our updated 2024 incentives (delayed a little by PUC process) and several new programs.
- **Renewable Energy Standard** – Bill is in appropriations when Legislature comes back from cross-over. Discussion over costs of the bill are the main point of contention at the moment.
- **BED Low-Income Rate/Energy Assistance Program** – The proposal to make the rate a permanent offering is under review at PUC.
- **Carbon Ordinance Policy** – BED held a meeting with property owners of buildings in the 25,000-49,999 sq ft category in conjunction with District 2030/Green Building Council and other City Departments, to learn about their work on energy efficiency, electrification and decarbonization. This will help inform our work in the policy space going forward.
- **Charter Change for Line of Credit** – This item was approved by voters, and we will seek to advance it in the Legislature this session for consideration and approval.

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

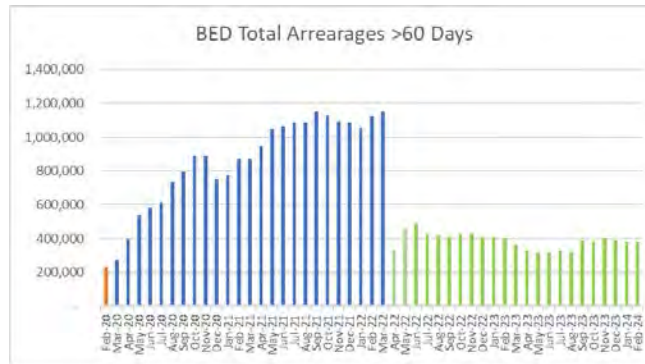
- Presented information about line of credit Charter change at Ward 2/3 NPA meeting.
- With COO/Manager of Utility Services & Engineering, leading ADMS vendor negotiations.
- Coordinating efforts to track and respond to federal and state funding opportunities; concept paper for round 2 of DOE GRIP program “encouraged” for full application.
- Overseeing 2023 rate case implementation.
- Continued sponsorship of IT Forward implementations.

### **Finance & Billing**

- 2023 rate case filing approved by PUC.
- Working with PFM on RFP for line of credit.
- Recruiting for Accounting Administrator and Staff Accountant-Operating positions.
- FY23 program audit of on-bill finance program funded by Economic Development Administration.
- Continued work on updating cost allocations for miscellaneous service and conduit rental fees.
- Continued work on FY25 budget development.
- Participating in MDMS Phase 2 implementation to support EV charging integration and

implement grid analytics modules.

- Pursuing FEMA reimbursement grant for July flooding damage at Winooski One.
- Finalized VTrans Electrify Your Fleet grant for two Ford F-150 Lightnings.
- Monitoring receivables: as of February 29, 2024, BED's total non-current receivables had increased \$100,646 or 15.7% compared to the end of January 2024. Arrearages >60 days were \$381,759.



### Information Services

- FY25 operating and capital budgeting.
- Survalent ADMS project IT architecture design and planning continues. Architectural review has been completed and RFP has been issued for hardware for SCADA/ADMS DMZ.
- RFP issued for replacement of disaster recovery environment and upgrade of backup hardware to support new SCADA/ADMS environments.
- Met with Itron to discuss AMI product roadmap.
- MDMS Phase 2 work continues; Voltage Analysis module accepted; remainder on track for project completion in Q1 2024.
- Project management team continues coordination of work on new dispatch room; working with several contractors to finalize construction/electrical/data work. Target for completing all major construction is March 2024.
- CIS project team continues work on CIS selection process. In the month of February, the selection team hosted three on-site vendor demonstrations; two more are scheduled for March. Follow-up demonstrations to clarify billing engine capabilities are scheduled for early March.
- Upgraded phone system to new servers. One further upgrade expected to bring phone system to vendor's current software release during the month of March.
- Recruiting for 2 VT DOL grant-funded intern positions; expect to onboard in early March.
- Ongoing phishing and security testing of our users.

### Policy & Planning

- FY25 budget development.
- Resource Planner Freddie Hall has resigned effective March 15; planning for transition and replacement.
- Recurring energy resource replacement meetings.
- Continued pre-award work on DOE GRIP grant.

- Reviewed Tier 3 incentive changes.
- Discussing heat pump rate pilot and permanent rate options.
- Attending VPPSA Board meetings.
- Attended DPW Commission meeting on pole-mounted EV charger pilot.
- Revisions to VELCO Transmission Administration Agreement approved.
- DeltaClima 2024 cohort selection.
- Submitted DOE Fellowship application.
- Significant legislative engagement, especially on Renewable Energy Standard; testimony on EV charging.
- Participating in CIS vendor demos.
- EAP tariff received DPS recommendation for approval.
- Net metering compliance filing and approval.
- IRP proceeding filing regarding interventions.
- Storage discussions.
- Village Hydroponics agreement approved by McNeil Joint Owners; City Attorney approval pending.
- WinooskiOne FERC relicensing study plan phase commenced and budgeted through final filing.

### **Sustainability & Workforce Development**

- Equity and Project Analyst continued outreach to stakeholder groups and community members, including King Street Laundry, the Bobbin Mill and the Family Room.
- Equity and Project Analyst selected as a Transformative Justice Infrastructure fellow organized through RaceForward and the Government Alliance for Racial Equity. This one-year fellowship supports a cohort of infrastructure-related public sector leaders who embody practices of radical transformation in the transportation, water, housing, planning, and environmental sectors.
- Submitted APPA/DEED proposal to fund the creation of 4 informational videos with the VT Language Justice Project on building science and home energy use.
- Finalized “Our Customers” presentation for BED staff to offer insight on the diversity and characteristics of BED’s residential customers.
- Along with Director of Energy Services, met with Department of Planning and Inspections and VGS to review progress on the Rental Weatherization Ordinance and to strategize for success in 2024 and beyond.
- Participated in APPA battery storage training.
- Supporting DOE GRIP grant pre-award requirements.
- Awarded ACEEE funding for technical assistance with Rental Weatherization Ordinance support; scheduling first meeting with City, BED, VGS, and ACEEE to begin work on sharing policy data with non-English speakers and other stakeholders.
- Worked with Communications & Technology Specialist, Adam Rabin, to edit new NZE podcast episodes, including with Mayor Miro Weinberger and Thor Retzlaff, Founder of Wasted.
- Presented City’s Net Zero Energy Roadmap at 2024 Climate and Health Conference, including sustainability colleagues from Austin, TX and Ithaca, NY.
- Along with McNeil staff, hosted McNeil tour for Burlington High School “City and Lake” students, including review of NZE and McNeil in BED’s renewable energy portfolio.

- Presented NZE Roadmap to Champlain College Eco-Rep Committee.
- Met with Duluth, MN sustainability staff to discuss residential solar in cold climates and Burlington's deployment success.
- Orchestrated February Lunch and Learn field trip for BED staff to BETA Technologies.

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

#### **Safety**

- Conducted Generation Safety Committee Meeting.
- Conducted monthly inspection of fire extinguisher inspections for Pine Street.
- Participated in BED Safety Committee Meeting and Apprenticeship Committee Meeting.
- Conducted weekly field safety inspections.
- Completed weekly OSHA 300 reporting.
- Meeting with Modern Mechanical on Railcar door opening with single bar.

#### **Environmental**

- Developed & implemented Water Quality improvement action items.
- Completed draft procedures for plant operations during an environmental excursion.
- Purchased new PH/Conductivity testing meter to improve water chemistry accuracy.
- Investigated & managed boiler chemistry issues.
- Completed commissioning linearity & cycle time testing on new CEMS.
- Performed regeneration of Polisher B Train.

#### **Risk Management**

- New Claims Investigations (3 total: 1 Power Outage, 2 Property).
- Weighed in and attend S.213 Strictly liability for Dam owners State work session.
- Attended NZE planning meeting.
- Assisted with new Dispatch room planning.
- Attended iPi monthly Safety series, APPA Physical security webinar.
- Created liability release for metal pole discard.
- Finalized City attorneys LWO issue.

#### **Purchasing/General Services**

- Received last of the 3 Ford F-150 Lightings.
- Hired a General Services temporary employee.
- Level 2 and Level 3 car chargers RFP's received.

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

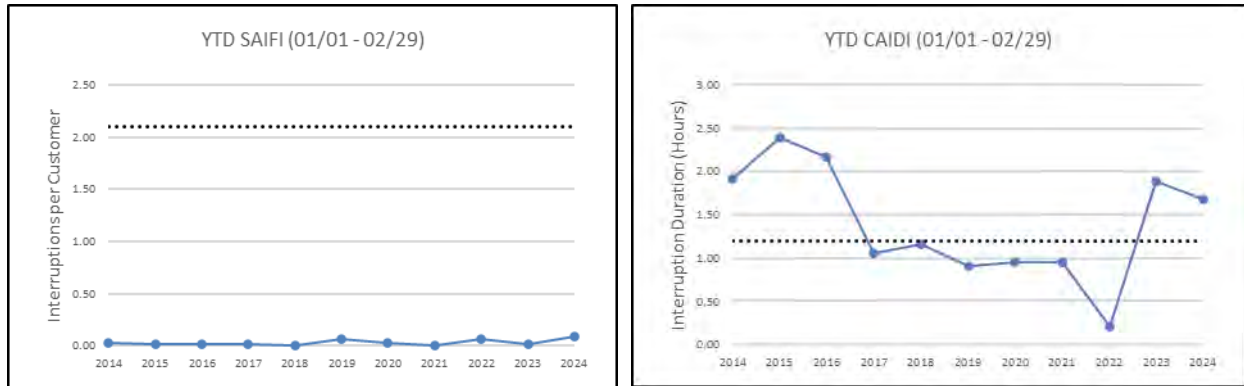
- Continued development of the FY2025 Capital Budget.
- Completed the replacement of old primary underground cables on Battery Street between College Street and Pearl Street.
- Completed setting new poles and reconduted the primary cables on Booth Street.

- Issued condemned pole replacement work orders for 10 poles identified from the 2023 Osmose study.
- Replaced and transferred 5 condemned poles in the Old North End. This work included conducted an outage at the Ronald McDonald House to transfer their service cable to a new pole
- Completed upgrading the primary conductors on Pleasant Avenue.
- Designed new services for 84 Church Street, 199 King Street and Intervale Community Farm.
- Started design for new services for Burlington International Airport's North Terminal.
- Issued work order for replacement of old primary underground cables (2L5 circuit) between East Avenue substation and Main Street Reservoir.
- Received level 2 and level 3 Electric Vehicle chargers for FY24 installations, which will be installed over the next few months.
- BED continued to have meetings and correspondence with vendors to capture specifics and clarifications in the supervisory control and data acquisition (SCADA) system/Outage Management System (OMS)/Distribution Management System (DMS) proposals.
- Filled the open Associate SCADA Engineer position. Yvon Edades will start on April 15, 2024.
- Participated in meetings for upcoming work related to the next stage of the Champlain Parkway project.
- Completed street lighting designs for Bank Street and Cherry Street related to the upcoming Great Streets project work.
- Continued repair work on the beltline and Main Street lighting.
- Completed an emergency outage on South Winooski Avenue and King Street due to a failed transformer. Three underground transformers were replaced.
- Two crews traveled to Royalton to assist Green Mountain Power with storm restoration.
- Dennis L., Andrew W., and Bob R. participated in Vermont Electric Power Company (VELCO) switching and tagging training.
- Performed 17 disconnect/reconnects for service upgrades.

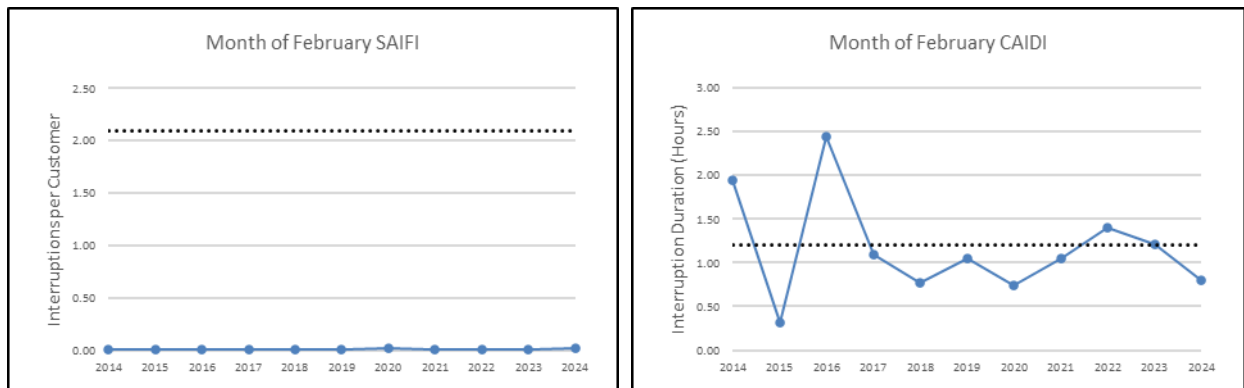
***SAIFI & CAIDI Outage Metrics:***

BED's distribution system experienced 18 outages in February 2024 (4 unscheduled and 14 scheduled). BED's SAIFI for the Month of February was 0.02 interruptions per customer and CAIDI was 0.8 hours per interruption. BED's YTD SAIFI is 0.09 interruptions per customer and YTD CAIDI is 1.68 hours per interruption.

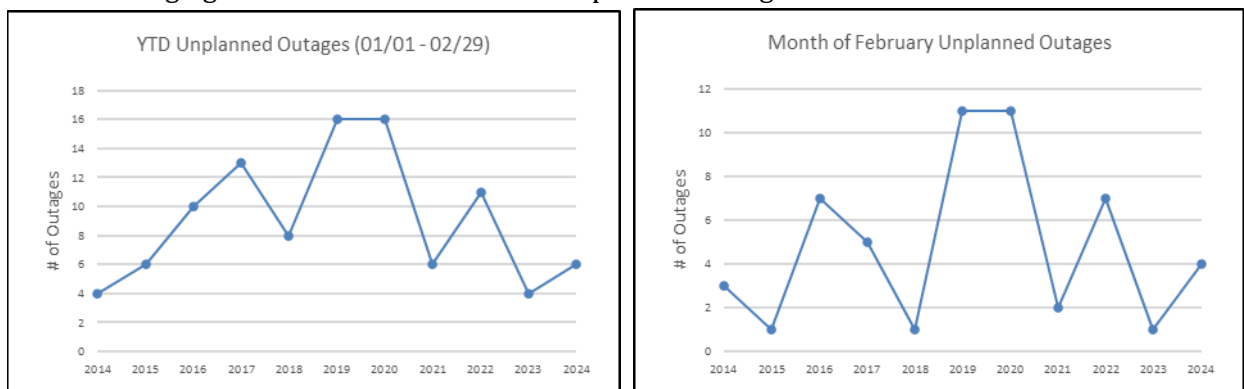
The following figure shows BED's historical YTD SAIFI and CAIDI:



The following figure shows BED's historical February SAIFI and CAIDI:



The following figure shows BED's historical Unplanned Outages:



## Generation

### McNeil Generating Station

Month Generation:	22,834 MWh
YTD Generation:	52,682 MWh
Month Capacity Factor:	65.61%
Month Availability:	71.01 %
Hours of Operation:	489.17 hours



This month at McNeil we conducted routine maintenance and preventative maintenance. McNeil had one outage due to boiler tube leaks during this time.

### ***Winooski One Hydroelectric Station***

Monthly Generation:	2,627.03 MWH (124.86% of average)
YTD Generation:	6,189.03 MWH (133.30% of average)
Month Capacity Factor:	50.95%
Annual Capacity Factor:	58.08%
Month Availability:	99%

This month at Winooski One we conducted routine maintenance, preventative maintenance, and a few process improvement projects. The repairs to the pavement and remaining cleanup from the December flooding has been completed.

### ***Burlington Gas Turbine***

Month Generation:	5.62 MWh
YTD Generation:	51.26 MWh
Month Capacity Factor:	0.00035%
Month Availability:	97.95%
Hours of Operation Unit A:	1.4 hours
Hours of Operation Unit B:	1.4 hours

During the month of December, we conducted routine maintenance and preventative maintenance. The GT experienced one outage due to P2 sensing line plugging and inlet guide vane issues.

### ***Solar (Pine Street 107 kW)***

Month Generation:	5 MWh (+69% from previous year)
YTD Generation:	7 MWh
Month Capacity Factor:	7.1 %
Month Availability:	100%

### ***Solar (Airport 499 kW)***

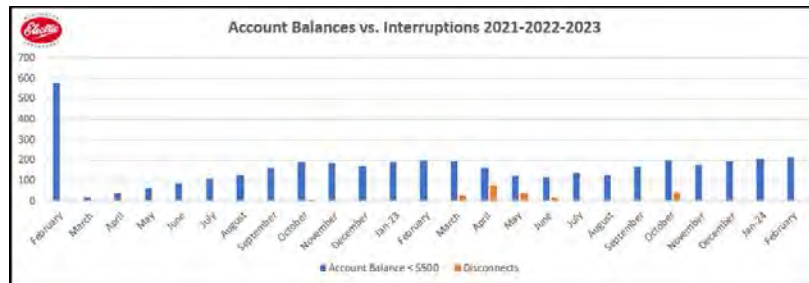
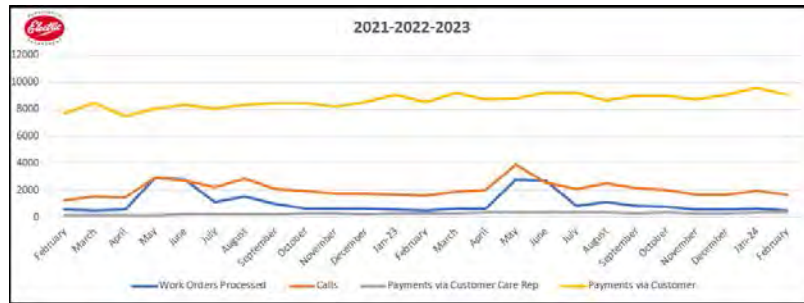
Month Generation:	32 MWh (+102% from previous year)
YTD Generation:	42 MWh
Month Capacity Factor:	9.2 %
Month Availability:	100%

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

#### **Customer Care**

- **Call Answer Time (75% in 20 seconds):** February 2024 87.7%, January 86.7%, December 2023 88.6%, November 88.0%, October 84.8%, September 76.2%. February 2023 88.9%, January 85.4%, December 2022 87.5%, November 83.5%, October 85.7%, September 81.4%.

- **February 2024 Stats:** please see dashboard for additional metrics categories.



*\*Please note that our account balances greater than \$500 were substantially reduced with the application of more than \$1M in ARPA funds in early April 2022.*



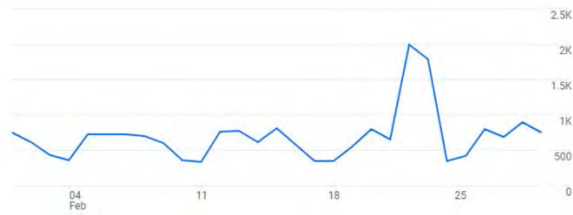
## Communications and Marketing

- **BED Annual Report:** our yearly update was included in the City of Burlington Annual Financial Report at pages 35 to 38 and is available on the [City website](#).
- **Community Engagement:** on March 1, BED line workers Ryan Sabourin and Jeffrey Lareau brought our electric bucket truck to Church Street in front of City Hall as part of the Church Street Marketplace's "Ice Ice Baby" touch a truck event. They were joined by Sustainability Director Jennifer Green and Project & Equity Analyst Ita Meno. The BED team engaged with members of the Burlington community and beyond about the benefits of the E-bucket truck and more.
- **Net Zero Energy Festival – A Supercharged Day of Family Fun:** please mark your calendars for Saturday, September 21, 2024 (rain date September 22). Planning has begun for our 3<sup>rd</sup> annual NZE Festival to help our community continue to learn how to take steps to meet our Net Zero Energy city goal by 2030. We again will have many activities and provide much information for folks of all ages, including: food trucks, DJ & live music, raffles, E-Bike test rides and EV test-

drives, mobile bike repair unit, bike parking, heat pump, solar, and lawn care vendor partners, walking, biking, and carsharing advocates, BED energy experts, CHAMP, and more.

- Net Zero Energy Podcast: we invite you to take a listen at [burlingtonelectric.com/podcast](http://burlingtonelectric.com/podcast). Our 50<sup>th</sup> episode features Mayor Miro Weinberger reflecting on this tenure as Mayor and hopes for the future.
- Customer Bill Messages: our March on-bill message for the first half of the month invites our customers to provide feedback on our proposed Miscellaneous Fees updates and/or to join us at our March 13 BEC meeting. Our message for the second half of the month will promote the 50<sup>th</sup> episode of our NZE Podcast with guest Mayor Miro Weinberger, as well as invite our customers to reach out to our Energy Services team for saving energy and money.
- North Avenue News: our March column invites our customers to reach out to our Energy Services team to learn how to save energy and money and can be read [here](#). We did not publish an ad in the election ad heavy March issue.
- Website and Facebook Highlights
  - Overall site-wide pageviews for February 2024 = 20,104
    - January = 28,240
    - December = 18,224
    - November = 23,720
    - October = 23,493
    - September = 39,590
    - August = 74,791
    - July = 51,931
    - June = 36,499
    - May = 46,750
    - April = 40,507
    - March = 41,409
    - February = 31,290
  - Unique homepage pageviews for February 2024 = 4,750
    - January = 5,273
    - December = 4,596
    - November = 4,846
    - October = 5,206
    - September = 19,583
    - August = 56,889
    - July = 32,716
    - June = 20,495
    - May = 27,691
    - April = 23,286
    - March = 28,317
    - February = 15,040

- Full site visits for February 2024



## Visitors by website page

page title	Feb 2024	Jan 2024	Dec 2023	Nov 2023	Oct 2023	Sep 2023	Aug 2023	Jul 2023	June 2023	May 2023	Apr 2023	Mar 2023	Feb 2023	Jan 2023
Burlington Electric Department	7431	8218	6780	7431	8029	10583	56889	36108	21676	20074	24511	29277	10854	26553
Careers	271	295	192	271	262	318	335	274	220	251	292	280	252	200
Commercial   Ways to Save	31	22	19	31	20	30	36	39	48	40	47	43	28	34
Contact Us	531	561	497	531	618	908	944	740	762	1192	746	483	534	474
Defeat The Peak	3	2	5	3	16	151	31	226	172	16	n/a	7	3	13
E-Bikes	89	83	64	89	112	167	235	234	199	141	205	172	114	118
E-billing	228	183	219	228	367	270	401	349	337	254	207	240	240	280
Electric Vehicles	288	404	303	288	388	392	430	309	323	355	454	444	431	492
EV Chargers	197	206	158	197	172	227	289	212	189	200	181	188	185	162
Heat Pumps	285	330	218	285	318	366	413	446	501	491	515	446	421	519
How To Pay My Bill	2363	1782	2309	2363	2457	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lawn Care	60	38	53	60	65	65	126	136	145	274	265	103	79	120
Leadership Team	191	280	168	191	224	236	251	201	108	210	244	204	191	249
McNeil Generating Station	990	501	559	990	761	876	559	597	543	572	906	384	334	396
Net Zero Energy News	5	15	11	5	34	16	12	9	40	12	28	38	23	33
Net Zero Energy Podcast	30	49	61	30	96	35	43	38	40	43	74	171	37	44
New Rates & Temporary Energy Assistance Program	135	98	98	135	137	148	129	108	148	115	101	96	96	93
Our Energy Portfolio	100	70	58	100	52	100	55	78	99	82	94	108	83	70
Rates & Fees	232	177	192	232	210	239	213	207	198	295	239	216	169	209
Rebate Center	589	672	493	589	569	728	743	600	715	833	769	652	595	732
Rebates	564	609	472	564	636	674	718	714	694	776	831	613	562	860
Report A Problem	97	283	103	97	159	443	293	309	231	104	344	91	74	82
Residential   Ways to Save	138	137	143	138	145	216	157	127	169	181	173	132	123	125
RFP	522	498	531	522	442	407	626	331	329	329	354	331	316	498
RFP Detail	1602	841	1493	1602	440	478	1464	148	74	192	190	84	274	622
Stop or Start Service	273	255	264	273	372	400	713	616	908	2256	603	269	230	289
Waste Wood Yard	1484	478	614	1484	1137	970	1040	1196	1199	1634	2010	330	239	593

\*The “My Bill” page was renamed “How To Pay My Bill” in October 2023.

\*\* The above chart now includes stats on a few more pages that get sufficient traffic, and page names are alphabetized for easier navigation.

- Top-performing Facebook & Instagram posts (note logo in lower right corner of each photo)

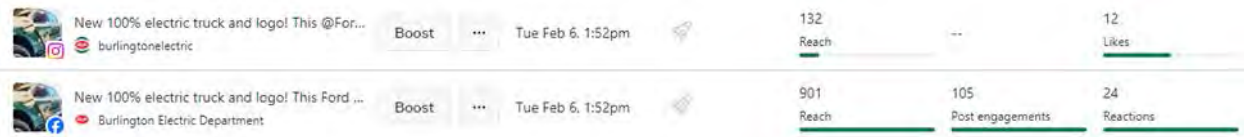
## Mayor podcast episode

	Episode 50!! For our 50th episode we spoke ... burlingtonelectric	Boost	...	Tue Feb 27, 8:14am	104 Reach	--	3 Likes
	Episode #50!! For our 50th episode we spoke ... Burlington Electric Department	Boost	...	Tue Feb 27, 8:10am	65 Reach	2 Post engagements	0 Reactions

## Will Clavelle podcast episode

	New episode! Will Clavelle, Assistant Director ... Burlington Electric Department	Boost	...	Tue Feb 13, 8:10am	221 Reach	6 Post engagements	2 Reactions
	New episode! Will Clavelle, Assistant Director ... burlingtonelectric	Boost	...	Tue Feb 13, 8:10am	138 Reach	--	10 Likes

## New Ford Lightning



## Energy Services

### UVM

- UVM Central Plant / Boilers #3, #4, and #5 Combustion Air Optimization – This project has been completed for some time. The addition of VFDs to the combustion air control scheme will increase natural gas efficiency, as well as reduce the fan electric energy usage. Energy savings have already been calculated. BED has received the additional invoicing information required to complete the project and has paid out the incentive to the customer.
- UVM Fleming Museum Chiller Replacement – The air-cooled chiller for this facility is reaching end-of-life and a replacement system is actively under design. Updates to the control's technology will reduce pumping energy, and a more efficient CBES replacement chiller will provide additional savings. BED has received trending data from the facility group and has developed a preliminary energy savings estimate and rebate offer for this project. It is presently undergoing re-design to reduce costs and BED will be evaluating the updated design early next month.

### UVMMC

- ACC Corridor Lighting Retrofit to LED – Continue to work with UVMMC Facility Staff on the replacement of 5 floors of corridor lighting in the ACC building. Just over 1000 fixtures are involved.

### Other Services

- Burlington School District / Integrated Arts Academy (IAA) (formerly HO Wheeler) Lighting Upgrade – A local contractor is working with the school district to upgrade lighting at the IAA, in the old North End of Burlington. BED has been supplied with details on the existing and proposed lighting fixtures and has created a preliminary rebate offer for the project. Lighting upgrades are also envisioned for several of the other school buildings in the district, and we have put a process in place to allow estimated rebates to be quickly calculated for the other schools.
- City Market Downtown / LED Lighting Upgrade – BED completed a second site visit to this store with the lighting vendor. The purpose is to develop a proposal to replace existing LED fixtures at the front end of the store and in the stockroom areas, with newer and more efficient fixtures and advanced controls. The existing legacy control system for these lights is no longer operable or supported and lighting fixtures are operating during store unoccupied hours. The lighting vendor has developed two designs for the lighting replacement and supplied them to the customer to evaluate. Once more detail is available, BED can develop an energy savings estimate and a rebate offer for the work.
- Chace Mill / LED Lighting Upgrades - BED is working with the owner of the building to develop an estimated rebate for the upgrading or replacing of 100+ fluorescent fixtures in common

areas with LED technology. We are waiting for more detailed information to finalize an incentive offer.

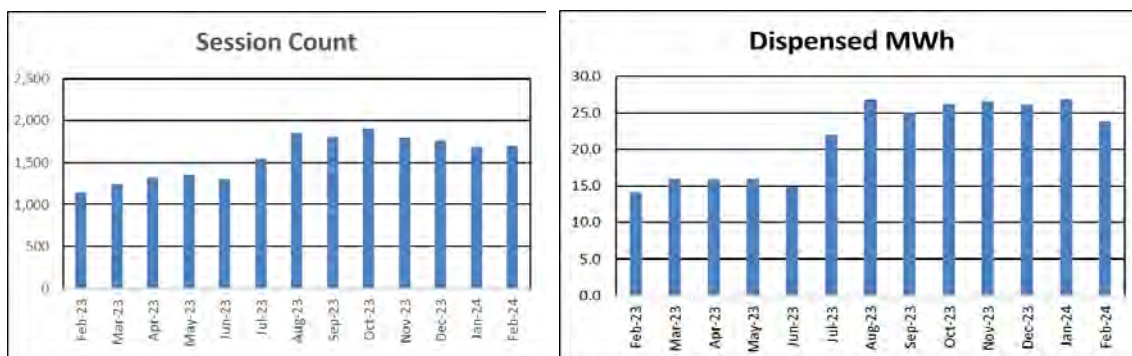
- Mater Christi Middle School / LED Lighting Upgrade – At the request of the customer, BED is investigating the potential rebate for the replacement of fluorescent technology with LED in about 100 lighting fixtures, including controls. The fixtures are located on three floors in their middle school building. BED has received the required information to complete this measure using a prescriptive lighting approach and the rebate payment has been completed.
- Ohavi Zedek Synagogue / Smart Thermostat Control Improvements – BED was contacted by this customer to determine if incentive assistance might be available for an improved thermostat control system. BED has been supplied with the proposal information from the controls contractor and has arranged for a site visit in tandem with VGS to evaluate the potential savings in more detail.
- BSD Rock Point Renovations / Addition – BED has received and has begun to review the architectural and MEP design documents for the Burlington School District buildings at Rock Point: Van Dyck and Butterfield. The natural gas service is to be removed entirely from Van Dyck; most NG service removed from Butterfield. Heat Pumps will be the major source of heating and cooling for this facility. Some envelope sealing work is included in the design as well as a small addition. The owner is seeking some advisement on possible rebates for the work. BED is expected to develop a basic energy model for a baseline and the proposed building to estimate savings for the project.
- Cambrian Rise / Building M New Construction – BED has been in discussion with the architect for this project. Construction is well underway with energy modeling having been incorporated to optimize the building design. This month BED has received a full set of design documents for the project as well as some preliminary energy modeling reports. The energy modeling will require updating to develop a more detailed baseline and proposed models before a rebate can be determined. Modeling updates will not be available until sometime in March.
- Petra Cliffs Climbing Center / NC – BED met with the owners and the general manager on-site at the building lot in Burlington's south end. The discussion revolved around EV charging details as well as the BED energy modeling process and details of how-to best interface with our engineering department. The project was originally proposed in 2018 but was delayed. The new scope of work involves a possible geothermal HVAC system (a test well has just been completed on-site). BED will be assisting with the cost of the test well in addition to our usual NC rebate structure.
- COTS MF Addition / 278 Main St. New Construction – This addition to an existing COTS building on Main St. is nearly complete. It contains 16 apartments and is about 13,000 SF. Full occupancy is expected in early March 2024. BED has committed to a rebate for the project which may include a Tier 3 component. BED will be using our energy modeling approach to estimate energy savings. A site visit was completed by BED this month with much useful information gathered. More work on the modeling will be needed to complete the full rebate process.
- Post Apartments / Multifamily & Commercial Space Development – This is a new construction project at the site of the old VFW building. The incentives for the 38-unit residential portion of the building are being developed by BED with the assistance of EVT. The ground floor houses two commercial spaces, and the BED commercial energy services group is focused on that portion of the building. BED received detailed design documentation for the commercial spaces

and has developed an energy model to estimate first floor energy savings. More discussion is needed before deciding on how to finalize the incentive package.

- 266 College St. Multifamily / Old YMCA – BED had a detailed discussion with a representative of the Owner to discuss our general incentive process for new construction. We have now received the latest set of drawings for this major renovation, have reviewed the commissioning proposal and are setting expectations for the energy modeling work that will be needed to help finalize the incentive package.

#### Electric Vehicles

- The EVSE dispensed a total of 23.9 MWh and supported 1,702 sessions.
- The top 3 sales were 97, 103, and 109 kWh and occurred at the DCFC, Summit St. the Cherry St. Garage.
- The top 17 sessions (1% of total) accounted for 6% (1.4MWh) of the total monthly sale. The seventeen sessions ranged from 68kWh-109kWh.
- The EVSE served 772 unique drivers.
- Approximately 21% of the energy sold (4.9MWh) is attributed to the Pine St. DCFC.
- The Marketplace Garage DCFC installation is still on-hold.
- Compensating Burlington Parks, Recreation and Waterfront for the energy dispensed from the Oakledge Park station was determined to be in conflict with our tariffs. P&P is researching options. ES has let PR&W know that we are working towards a solution.
- One of the faulty College St. stations was replaced on Feb. 13. The replacement head for the second station will arrive this week.
- The 175 Lakeside Ave. station has been posting an Unreachable alarm. We will research solutions to improve signal strength.
- We were notified by UVM that the Aiken Center station was posting an Unreachable alarm. Station has been repaired.
- Session Count and Dispensed Energy plots from the public charging network are shown below.



- Number of EV and PHEV rebates to date – 721 (of this 148 LMI rebates to date as shown below)
  - New All Electric Vehicle – 313
  - New All Electric Vehicle (LMI) – 75
  - New PHEV – 152
  - New PHEV (LMI) – 48
  - Used All Electric Vehicle – 57

- Used All Electric Vehicle (LMI) – 17
  - Used PHEV- 26
  - Used PHEV (LMI) – 8
  - New All Electric Vehicle (\$60K plus) – 23
  - New PHEV (\$60K plus) – 2
- Number of customer loans with lending partners to date – 5
  - Number of customers currently participating in the new EV Charging Rate- 260 267
  - Number of E-Motorcycle rebates to date – 2

### **Electric Vehicle Charging Stations**

- Number of home EV charging stations rebates to date – 202
- Number of Multi-family EV charging stations rebates to date – 1
- Number of Multi-family Non-EVmatch-LMI charging stations rebates to date (LMI) – 3
- Number of Multi-family EVmatch Public charging stations rebates to date – 2
- Number of Multi-family Non-EVmatch charging stations rebates to date – 3
- Number of Multifamily EVmatch Non-Public – LMI - 11
- Number of Multifamily Non-EVmatch Non-Public – LMI – 8
- Number of Level 2 Workplace charging stations rebates to date – 14

### **Electric Lawn Equipment to Date**

- Number of e-mower rebates to date – 688 (11 commercial & 677residential)
- Number of e-leaf blowers to date – 77 7
- Number of Residential e-Trimmers – 80
- Number of Residential e-chainsaws – 17

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

Total Heat Pump Installations including Multi-Family New Construction Projects & Installations in existing buildings since the September 2019 NZEC announcement –

- **2,330 installations**

Installations since the September 2019 NZEC announcement

Number of Heat Pump Technology rebates to date- 1,211 (of this 164 LMI rebates to date as shown below):

- Number of ductless heat pumps to date – 716
- Number of LMI eligible ductless heat pumps to date – 134
- Number of centrally ducted heat pumps to date – 250
- Number of LMI eligible centrally ducted heat pumps to date – 18
- Number of air-to-water heat pumps to date – 3
- Number of commercial VRF heat pump systems to date – 2
- Number of geo-thermal heat pump systems to date – 1
- Number of heat pump hot water heaters to date – 75
- Number of LMI eligible heat pump hot water heaters participants to date – 12



**Electric E-Bikes to Date**

- Number of e-bike rebates to date – 577

**Electric Induction Stovetops to Date (new offering in Jan 2021)**

- Number of induction Stovetops rebates to date – 77

**Electric Snow Blowers to Date (new offering in Jan 2022)**

- Number of snow blower rebates to date – 23

## BED 2023-2024 Strategic Direction Dashboard

Metrics by Strategic Initiative	Target	Feb 2024 Actuals	Jan 2024 Actuals	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%	88%	87%	avg 82%	avg 82%	avg 82%	avg 81%	
Delinquent accounts >\$500	0	216	206	avg 168	avg 188	avg 529	avg 201	
Disconnects for non-payment	0	2	6	224	12	0	45	
Energy Assistance Program Customers (program lifetime)	NA	251	246	234				
Energy Assistance Program Customers (currently enrolled)	300	232	227	219				
# of residential weatherization completions	10	1	2	11	5	5	3	11
Weatherization completions in rental properties		0	1	8	6	0	0	TBD
# or % of homes or SF weatherized		TBD	TBD	TBD	TBD	TBD	TBD	0
# of commercial building with improved thermal envelopes		1	1	6	4	5	5	0
Total annual mWh saved via the EE programs (annual goal)	4,099	325	193	2,940	4053			3057
Total residential annual mWh saved via the EE programs (cumulative for year)	743	80	50	494	862			917
Total commercial sector annual mWh saved via the EE programs (cumulative for year)	3,356	245	143	2,447	3191			2140
% of EEU charge from LMI customers spent on EE services for LMI customers (cumulative for 2021- 2023 year 3-year EEU performance period)	\$ 297,026	\$ 15,166	\$ 3,921	\$ 504,942	\$ 335,234	TBD	TBD	TBD
<b>Strengthen Reliability</b>								
SAIFI (AVG interruptions/customer) (annual target)	< 2.1	0.02	0.07	0.56	1.06	0.22	1.50	1.03
CAIDI (AVG time in hrs to restore service) (annual target)	< 1.2	0.8	1.90	17.46	21.39		0.55	0.75
Distribution System Unplanned Outages (annual target)	82	4	2	39	61	44	90	98
McNeil Forced Outages	0	1	1	5	14	5	21	TBD
W1H Forced Outages	0	0	0	2	6	9	2	TBD
GT Forced Outages	0	1	0	9	6	2	3	TBD
<b>Invest in Our People, Processes, and Technology</b>								
Avg. # of days to fill positions under recruitment	120	219	191	219	100	68	179	
# of budgeted positions vacant	0	15	14	avg 12	avg 9	avg 9	6	NA

## BED 2023-2024 Strategic Direction Dashboard

Metrics by Strategic Initiative	Target	Feb 2024 Actuals	Jan 2024 Actuals	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	See NZE Roadmap Goals below	11	13	186	255	315	203	10
# of commercial heat pump installs		1	0	8	4	4	13	0
# of residential hot water heat pump installs		0	1	31	26	14	6	4
# of commercial hot water heat pump installs		0	0	0	0	0	0	0
Heat pump rebates		12	13	206	271	328	212	0
Heat pump hot water heater rebates		0	1	47	18	15	3	0
LMI heat pump rebates		3	1	21	43	28	6	4
Heat pump technology installs in rental properties		1	0	8	10	14	9	TBD
LMI heat pump hot water heater rebates		0	0	6	1	2	0	1
EV rebates - new		9	7	103	53	67	14	36
EV rebates - pre-owned		3	1	16	18	7	8	2
LMI EV rebates		12	1	26	9	11	7	7
PHEV rebates - new		2	3	25	27	41	10	17
PHEV rebates - preowned		0	1	6	12	6	5	3
LMI PHEV rebates		0	2	5	15	13	6	2
Public EV chargers in BTV (total)		32 ports	32 ports	32 ports	30 ports	27 ports	27 ports	14
Public EV charger energy dispensed (kWh)		23,900	26,800	244,300	151,360	86,570	35,690	78,000
Home EV charging station rebates		10	7	72	70	32	20	12
EV rate charging customers (total)		267	260	246	157	40	40	28
Level 2 charger rebates		0	4	10	11	10	0	1
Level 1 charger rebates		0	0	0	-	0	1	0
E-bike rebates		4	6	147	152	88	36	65
E-mower rebates		1	0	135	159	154	95	142
E-forklift rebates		0	0	0	1	0	0	0
MWE of Tier 3 measures installed		1,125	1,023	22,374	22,837	23,763	35,112	3,342
% Tier 3 obligation met with program measures	100%	10%	5%	117%	131%	159%	283%	31%
<i>Net Zero Energy Roadmap Goals</i>								
# of solar net metering projects installed		0	3	32	33	29	24	33
No. of homes receiving NZE Home Roadmaps		0	0	-	7	10	7	
Residential heat pumps for space heating (no. of homes)	2022: 8615	NA	NA	NA	1,346, 16% of goal	1,235	891	572
Commercial heat pumps for space heating (1000 SF floor space served)	2022: 5397	NA	NA	NA	411, 8% of goal	405	374	374
Residential heat pumps for water heating (no. of homes)	2022: 4365	NA	NA	NA	127, 3% of goal	108	108	87
Commercial heat pumps for water heating (1000 SF floor space served)	2022: 1019	NA	NA	NA	0	0	0	-
EV registrations in BTV (light-duty)	2022: 2294	NA	NA	NA	699, 30% of goal	549	361	296
Greenhouse gas emissions (1000 metric tons CO2)	2022: 150	NA	NA	NA	191, 127% of goal	188	185	214
Fossil fuel consumption (billion BTU)	2022: 2418	NA	NA	NA	3,285, 136% of goal	3,171	3,182	3,660

## BED 2023-2024 Strategic Direction Dashboard

Metrics by Strategic Initiative	Target	Feb 2024 Actuals	Jan 2024 Actuals	2023 Yearly Actual	2022 Yearly Actual	2021 Yearly Actual	2020 Yearly Actual	2019 Yearly Actual
<i>Demand Response</i>								
<b>Manage Budget and Risks Responsibly</b>								
<i>Safety &amp; Environmental</i>								
No. of workers' compensation/accidents per month	0	1	1	8	16	4	8	
Total Paid losses for workers' compensation accidents (for the month)	annual	\$63,890	\$49,251	\$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	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	107.4	112.63	0.0	41.71	78.2
Lost work days per month	0	29	31	avg 9	avg 9	0.0	45	
NOx reporting levels to EPA (Quarterly) (lbs/mmbtu)	<0.075	0.068	0.067	0.06	0.06	0.07	0.07	
# of reported spills, waste water incidents (monthly)	0	1	1	2	6	4	4	
Phosphorus levels to DEC in lbs (monthly/yearly total)	<0.8/37	.144/.84	0.058/0.746	0.705	0.688	2.028		1.169
# of new power outage claims reported (monthly)	1	1	1	3	5	7	4	
# of new auto/property/other liability claims reported (monthly)	2	2	0	36	27	18	27	
<i>Purchasing &amp; Facilities</i>								
# of Purchase Orders for Inventory (Target: avg for winter months)	42	46	52	541	636	644	593	
\$ value of Purchase Orders for Inv. (Target: avg dollars spent during winter)	\$78,000	\$79,778	\$728,624	\$2,481,531	\$ 4,861,023	\$ 3,278,620	975,531	
# of stock issued for Inventory (Target: avg during winter months)	320	679	518	6,777	6,187	4,402	4,545	
\$ value of stock issued for Inventory (Target: avg. during winter)	\$ 65,000	\$ 113,948	\$ 222,270	\$ 1,925,781	\$ 2,200,233	855,456	1,086,478	
# of posters pulled from poles monthly (Target: goal to remove each month)	58	0	0	592	900	2,728	627	
# of Spark Space and Auditorium setup/breakdowns monthly (Target: Covid impact)	3	14	24	207	132	88	87	
<i>Finance</i>								
Debt service coverage ratio (avg of previous 12-months)	1.25		5.04	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		1.61	1.29 FY23	1.22 FY22	1.08 FY21	0.93 FY20	0.90 FY19
Days unrestricted cash on hand	>90		122	93 FY23	120 FY22	121 FY21	120 FY20	109 FY19
<i>Power Supply</i>								
McNeil generation (MWH) (100%)	per budget	22,834	29,848	184,798	228,981	273,355	192,696	
McNeil availability factor	100%	71%	90%	84%	67%	80%		
McNeil capacity factor	per budget	65.6%	80.2%	42.3%	52.4%	62.4%		
Winooski One generation (MWH)	per budget	2,627	3,565	36,318	25,350	24,752	21,194	
Winooski One availability factor	100%	99.0%	99.0%	97.2%	98.3%	97%		
Winooski One capacity factor	per budget	58%	65%	56%	41.7%	37%		
Gas Turbine generation (MWH)	NA	5.6	45.6	475	356	373	441	
Gas Turbine availability factor	100%	98%	100%	46.7%	54.5%	96%		
Gas Turbine capacity factor	NA	0%	0%	0.2%	0.2%	0.21%		
BTV solar PV production (mWh)		322	82	4,681	5,260	5,015	5,182	
Cost of power supply - gross (\$000)			\$2,830	\$30,002	\$36,755	\$30,285	\$31,081	
Cost of power supply - net (\$000)			\$1,625	\$22,710	\$27,487	\$22,134	\$23,388	
Average cost of power supply - gross \$/KWH			\$0.10	\$0.09	\$0.11	\$0.09	\$0.10	
Average cost of power supply - net \$/KWH			\$0.06	\$0.07	\$0.08	\$0.07	\$0.08	

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

**Wednesday, February 14, 2024**

The regular meeting of the Burlington Electric Commission was convened at 5:33 pm on Wednesday, February 14, 2024 at Burlington Electric Department at 585 Pine Street, Burlington, Vermont and virtually through Microsoft Teams.

Channel 17 was present to record this meeting.

Commissioners Beth Anderson, Lara Bonn, Jim Chagnon, Scott Moody, and Bethany Whitaker were present at 585 Pine Street.

Staff members present at 585 Pine Street included Paul Alexander, Mike Kanarick, Munir Kasti, Laurie Lemieux (Board Clerk), Paul Pikna, Darren Springer, and Emily Stebbins-Wheelock.

Staff members present via Microsoft Teams included Rodney Dollar, Erica Ferland, and James Gibbons.

**1. Agenda**

There were no changes to the agenda.

**2. January 10, 2024 Meeting Minutes**

Commissioner Chagnon made a motion to approve the minutes of the January 10, 2024 Commission Meeting; the motion was seconded by Commissioner Whitaker. Commissioner Bonn abstained as she was not present for the January 10, 2024 meeting.

**3. Public Forum**

Mr. Alan Bjerke and Mr. Chris Gish were present for the meeting at 585 Pine Street.

At this time, Mr. Gish addressed the Commission regarding his concerns that Burlington Electric Department (BED) is not seriously considering how to phase out the McNeil Plant and the necessity of moving off of carbon-based energy sources. Mr. Gish found it interesting that one of the authors of a memo from Vermont Energy Investment Corporation (VEIC) stated on Front Porch Forum that we should be shifting away from all carbon-based fuels as quickly as possible. Mr. Gish stated that he was present this evening to ask the Commission how the department is starting to move towards phasing out its use of carbon-based fuels and how it plans to do so. Mr. Gish stated that in BED's draft IRP, there is no consideration of using the McNeil Plant less and that the department is looking at a 20-year contract in pursuit of district energy, which implies that McNeil would be operating at

a similar capacity at least during the winter. It appears that tonight Mr. Springer will be discussing the Renewable Energy Standard (RES) bill that is in the State House which, if passed, will grandfather McNeil and other biomass facilities indefinitely to qualify for RECs, which does not seem right. Mr. Gish stated that he would like to ask the Commission what it is doing to think about how to phase out the McNeil Plant.

Mr. Springer stated that the District Energy resolution has a number of concrete steps that we are pursuing that speak about how to improve efficiency at McNeil and, where possible, reduce the environmental footprint.

Mr. Springer stated that he would ask people to think about how we get to 100 percent renewability without McNeil, when we know that winter energy is incredibly volatile, expensive, and heavily fossil fuel dependent. We are working on the RES bill in collaboration with Vermont Public Interest Research Group (VPIRG), Vermont National Resource Council (VNRC), Renewable Energy Vermont (REV), and other utilities to include language in the bill that says that, as our load grows from today and as we electrify more things, which is part of our plan, we're going to meet an increasing portion of that growth with what is called new renewable, or renewables that are built post-2010 and have come online more recently, including wind in Vermont, of which we are incredibly supportive. The idea is to build out more wind and solar to meet our growing load, but I challenge anybody to figure out how you can run the grid reliably, affordably, and with 100 percent renewable electricity for ratepayers, which means no nuclear or fossil fuels in our mix and do so without wood. In today's current technology state, the District Energy resolution has a lot of pieces about doing some analysis, which we have as part of our plan. Although we are interested in the analysis, part of our role is to be pragmatic about providing power. Our customers' number one concern every time we conduct a survey is reliability - more than affordability, and my view always has been that, if we want to electrify with more EVs and heat pumps, which is good for the climate, then people need to know that they are going to have reliable, affordable power, and as of right now, McNeil is part of that equation. In 20 years, there possibly may be different technology, and we then would be in a position to move away from McNeil. And, if moving away from McNeil meant that we were relying more on wind and solar, I'd be really interested in that conversation too. But currently, as the VEIC report points out, 92 to 98 percent of the time that we run McNeil, the alternative on the grid is natural gas, and a large portion of the rest of the time it is coal and oil. So, it does not seem responsible to move away from McNeil and toward those resources.

Mr. Gish stated that the level of study or serious consideration that he sees from BED about phasing out McNeil is not nearly as detailed and highly considered as other things that are being planned. Mr. Gish feels that 20 years is much too late to be thinking about a move away from McNeil.

Mr. Springer thanked Mr. Gish for attending the meeting and sharing his concerns.

#### **4. Commissioners' Corner**

Commissioner Moody stated that, beginning next month the Burlington Electric Commission Meetings will begin at 5:00 pm instead of 5:30 pm. They will continue to be held at 585 Pine Street and via Microsoft Teams.

#### **5. GM Update**

Mr. Springer stated that the PUC approved BED's incentives, and we are waiting for a spring roll-out to get some items ready on our end. This roll-out should coincide with the updated NZE 2023 data release also planned for spring. We will keep the Commission updated as we get a firm sense of timing, but we do not anticipate anything happening in March.

The RES bill is out of the House Energy and Environment Committee and is in the House Ways and Means Committee today. BED testified in the House Energy and Environment Committee, but we have not been asked to testify in the House Ways and Means Committee as we believe the Committee is not looking at it for policy purposes, but rather for fiscal purposes. It may have to go to Appropriations, and then it would go to the full House. As I stated earlier, the RES bill has been supported strongly by VPIRG, VNRC, REV, and other utilities.

The Energy Assistance Program that the Commission voted to send to the City Council, which approved it, now is under review at the PUC. We are working through potential questions that may come up in that process. We do not expect any kind of immediate results, but the good news is that the pilot program, which provides the 12½ percent discount for income qualified customers, has been extended until we reach a conclusion at the PUC. Therefore, customers will not be impacted by the regulatory process.

Mr. Springer stated that there was a vote at a previous City Council meeting on a carbon ballot item and another vote at the last Council meeting. Both votes yielded 6 to 6 ties, which means there will not be a ballot item in March. We continue to be interested in working with the existing ordinance to ensure its implemented well, but also we are exploring options for buildings that currently are not regulated by that ordinance. All new construction and buildings 50,000 square feet and larger fall under the existing ordinance, but it still is not 100 percent clear that the carbon fee is the right tool to help decarbonize the smaller commercial buildings, something we'd like to explore. Organizations we work with from around the country will be sharing best practices with us, including building performance standards, energy disclosure rules and requirements, and energy efficiency standards. There are different ways to structure incentive programs, so there's more than one way to attack this issue. We've looked very carefully at the cohort of buildings between 25,000 to 49,999 square feet, and it's a different cohort than the 50,000+ square feet buildings, which include campuses like UVM, UVM Medical Center, Champlain College, the Burlington School District, and the City. If you go to the next cohort, we start taking about social service providers, non-profits, nursing homes, coffee shops, and more. The individuals in these buildings do not necessarily own them and/or are not able to control the buildings. If they do, they may not be thinking about capital

planning the same way that a larger institution is. So, we need to look at different tools to apply for the next cohort of buildings, which we are going to explore.

Our Charter Change is pending and is on the Town Meeting Day ballot. Ms. Stebbins-Wheelock attended the Ward 2 and Ward 3 NPA meetings to answer questions and also did a segment on WCAX. We provided the Commission with a link to our FAQ on the BED website, and Mr. Springer encouraged the Commission to share with members of the public who might be interested and or to post on Front Porch Forum. This is fairly straightforward, going from \$5M to \$10M after having not increased it for a lengthy period of time. Mr. Springer stated that, with inflation being what it is and all things equal, it's good for us from a financial metric standpoint with our credit rating. It's also good for our ratepayers, as we won't have to raise the same level of cash to keep on hand if the credit line can count towards a portion of our requirement. We are hopeful, and we will continue to share information about it. If the ballot question passes on Town Meeting Day, we will work to advance it through the legislative process to see if there's an opportunity to act on it this year.

The McNeil and Pine Street F150 Lightnings are in service and have been highlighted on BED social media pages. BED has the electric bucket truck, which is a whole different type of vehicle to electrify, but we're increasingly able to replace fossil fuel trucks that have the range, all-wheel drive, and capacity to do all the things that we need them to do. We're going to keep planning for replacements in our budget, and don't see any need to buy another gasoline vehicle for conventional purposes if we can avoid it.

## **6. FY24 December Financials**

Ms. Stebbins-Wheelock presented the December 2023 financial results.

The Department's net loss for the month of December was \$279K compared to a budgeted net loss of \$76K, which is \$203K worse than budget.

Sales to customers were worse than budget by \$105K or 2.3 percent. Other revenues, primarily EEU, were unfavorable to budget by \$109K for the month.

Net power supply expense was unfavorable to budget by \$325K in December. Fuel expense was favorable to budget by \$393K, primarily due to McNeil production being 47 percent less than budget. McNeil was offline for part of December due to unfavorable economics (low energy prices) and to conserve wood. Transmission expense was unfavorable by \$18K. Purchased power expense was \$700K worse than budget.

Other operating and maintenance expenses were favorable to budget by \$242K. Other income was favorable to budget by \$97K.



For FY24 to date, net income was \$2.3M compared to a budgeted net income of \$402K or \$1.9M better than budget.

Capital spending for December YTD was \$3M or 28 percent of the budget for the fiscal year.

Operating cash at the end of December was just over \$8.1M compared to a budget of approximately \$7.5M.

The debt service coverage ratio is 4.58, the adjusted debt service coverage ratio is 1.45, and the days cash on hand is 110.

## **7. BED Budget Overview**

Ms. Stebbins-Wheelock stated that this presentation was given to BED employees last summer as a “budget 101” overview and felt it would be useful for the Commissioners, particularly newer members.

Ms. Stebbins-Wheelock presented a pie chart of BED’s operating revenue budget for FY24, which is the budget we are working from for the current fiscal year. The obvious takeaway is that 81 percent of the Department’s operating revenue comes from sales to customers. REC sales make up 13 percent and Miscellaneous Revenues 6 percent. Miscellaneous revenues include miscellaneous service fees, conduit rental and pole attachment fees, and EEU program reimbursement.

The next slide shows Total Annual MWH Sales from 2000-2022. Ms. Stebbins-Wheelock noted that in the 2012-2016 period sales were around 330,000 MWH, the COVID-19 pandemic reduced sales sharply in 2020, and sales have since recovered a little bit but are not back up to the level at which they were when the Department negotiated the last of the renewable contracts. The slide also shows the effects of the 2001 recession, the hospital expansion in 2005, another recession in 2008 and 2009, the federal government’s new efficiency standards for lighting in 2019 such that you could no longer go to a hardware store and buy an incandescent light bulb, for example. Business relocations or closures such as Blodgett Ovens, the Burlington Town Center, Specialty Filaments, Koffee Kup, etc. show up in the MWh sales.

The next slide shows sales in dollars instead of mWh from FY10-FY24. The pattern is fairly similar from FY10 to FY21, which are the 12 years with no rate increases. Then, the dollar per kWh remains the same although kWh fluctuate and generally trend downward. The graph shows the effect of the three rate increases that the Department requested in FY22, FY23, and FY24.

The next slide shows REC sales from FY10 to FY24. The high prices received in FY14-FY16 helped allow BED not to seek rate increases during a 12-year period.

The next slide shows a pie chart of BED operating expenses for FY24 budget. Fuel, purchased power, and transmission make up half of the Department's operating expenses. O&M makes up 34 percent, Depreciation and Amortization 10 percent, and taxes/PILOT 5 percent.

Ms. Stebbins-Wheelock next showed a comparison of the Department's operating expenses in FY10 versus FY24. Fuel has remained about the same proportionally, purchased power has decreased a great deal from 38% to 22% of the budget, transmission has increased significantly from 9% to 15%, O&M has grown from 23% to 34%, and taxes/PILOT have stayed about the same proportionally.

The next slide shows fuel expenses from FY10 to FY24. This expense is based on both the wood price per ton and the volume consumed or used at McNeil.

The next slide shows purchase power expenses from FY10 to FY24. Ms. Stebbins-Wheelock noted that the Department's purchased power expense are lower now than in FY10, despite having become 100 percent renewable since that time.

The next slide shows how transmission expenses have increased steadily from FY10 to FY24. The Department was paying just over \$4M a year in transmission expense in FY10; we are now paying about \$9M, which is more than a doubling over that period and has posed a challenge.

The next slide breaks down the Department's O&M expenses, of which 34 percent is labor and salaries, 17 percent is labor benefits and pensions, 12 percent is outside services, and the remainder is a lot of little things, such as insurance, tier 3 compliance, maintenance contracts, materials, and supplies, and EEU rebates. Ms. Stebbins-Wheelock then reviewed the change in O&M expense from FY10 to FY24, and the Department's concerted efforts since FY16 to moderate their increase.

Ms. Stebbins-Wheelock stated that the income statement that the Commission reviews every month includes both the operating revenues and expenses as well as the non-operating "below the line" items, including VELCO dividends of \$4.4M in the FY24 budget, interest income (which has been higher the past couple years with higher interest rates), and grants and capital contributions to customer construction projects (which is volatile depending on what projects are being done and

what grants we receive).

Ms. Stebbins-Wheelock next reviewed the Department's sources of cash. Operating revenues make up 79 percent, the 2022 Revenue Bond 11 percent, annual GO Bond 4 percent, interest, and other income 1 percent, and VELCO dividends 5 percent.

The next slide shows the Department's uses of cash. Operating expenses are 67 percent, debt service 12 percent, McNeil capital projects 2 percent, BED capital projects 13 percent, taxes/PILOT 4 percent, Tier 3 rebates 1 percent, and Tier 1 REC purchases 1 percent.

Ms. Stebbins-Wheelock then reviewed a slide showing the Department's capital spending over time as well as the allocation of the FY24 capital budget to the different plant categories.

Ms. Stebbins-Wheelock stated that the Department is actively developing the FY25 budget. Management will bring a first pass of the budget to the Commission at its April meeting. At the same time, we'll be developing our cost-of-service model for a potential FY25 rate increase.

Ms. Stebbins-Wheelock stated that Moody's typically ask the Department to provide pro forma financials as part of our annual rating review. Moody's looks at the Department's most recent audited financial statements and our projections for the current and next two to three fiscal years. Ms. Stebbins-Wheelock reviewed the pro forma financial statements that we shared with Moody's in September 2023, which show FY22 results, preliminary results for FY23, FY24 budget, and projections for FY25 and FY26. With this exercise the Department aims to show strong credit rating metrics and decent operating and net income results. For FY25 management assumed a 5.4 percent rate increase and for FY26 we assumed a 3.6 percent rate increase.

In closing Ms. Stebbins-Wheelock stated that these are just assumptions but thought it would be helpful to give the Commission a range of what things looked like back in September.

The Commission asked a few questions that Ms. Stebbins-Wheelock answered to their satisfaction.

## **8. Miscellaneous Fee Update**

Ms. Stebbins-Wheelock stated that this PowerPoint presentation is similar to what was reviewed last month, highlighting the additional work and analysis that's taken place since the last meeting.

The Department is evaluating its miscellaneous service fees, which are assessed under a tariff. The tariff will require both City Council and PUC approval.

The current fees went into effect on July 1, 2010 and were based on costs from FY09, which was before the Department deployed advanced metering infrastructure (AMI).

Ms. Stebbins-Wheelock reviewed with the Commission the changes that were made since the last

meeting, which included:

- Updating the labor overhead rate to FY23 actuals
- Analyzed initial service performed for new versus returning customers (in 2023, 46% were customers new to BED's service territory and 54% were returning)
- Analyzed depreciation on AMI-related assets
- Previewed changes with the Vermont Department of Public Service

Ms. Stebbins-Wheelock reviewed the proposed changes to the fees, which included the following:

- Returning customer initial service fee would drop from \$30 to \$6. This would apply to returning customers, including standing orders.
- New customer fee would decrease from \$30 to \$15.
- Reconnection fee would increase from \$20 to \$26 during business hours and decrease from \$196 to \$93 after hours. Management proposes that these fees be charged not only to customers who have been disconnected for nonpayment, but to any customer asking to have service restored after a disconnect for any purpose.
- Temporary Service fee would increase from \$535 to \$841.
- Returned Check fee would increase from \$10 to \$28.
- Meter Removal/Replacement fee would increase from \$95 to \$136.
- The Collections fee of \$20 is proposed to be eliminated.
- Customer Assistance Call fee when BED personnel are requested to visit a customer's service location and the issue is determined to be the customer's responsibility would increase from \$28 to \$86 during business hours and from \$195 to \$472 after-hours.

Ms. Stebbins-Wheelock shared the customer feedback the department received regarding the proposed fees and concluded the presentation by reviewing the potential revenue impact to the Department, which is estimated to be a decrease of approximately \$110-\$115K.

At this time Mr. Bjerke addressed the Commission stating that he appreciates that the Department is seriously reviewing the fees.

Mr. Bjerke stated that the cost to do a standing order is significantly less than answering a telephone call and talking to somebody about moving service from one to another. He also agrees that electrification is particularly important and it should be a goal. He believes that keeping power on between tenants keeps the stove working, parking lot lights on, and things like that so there is a public benefit to electrification and a standing order makes it as inexpensive and easy as possible so Mr. Bjerke encourages the Department to continue to look at that.

Mr. Bjerke shared that the Department might be able to recoup some money relating to the returned check fee. Mr. Bjerke stated that he previously served on the Commerce Committee in the House of Representatives working on banking and provided Ms. Stebbins-Wheelock and the Clerk

of the Board a copy of a Vermont statute that states that if a check is deposited into your checking account and that check is returned by the customer's bank as insufficient funds, your bank cannot charge you any fee. Mr. Bjerke stated that very few people know about it this statute and neither do some banks. With this information, the Department may want to adjust this fee.

Mr. Bjerke stated again that he appreciates the Department taking the time to work on these fees and will appreciate whatever the outcome and stated that if the Department can manage to make the cost for transferring service pursuant to a standing order zero cost, he would appreciate it.

## **9. Commissioners' Check-In**

Commissioner Whitaker asked if there were any decisions made regarding what streets would be included in any street lighting updates? Mr. Kasti stated that they are still working on the budget, then will focus on street lighting, and will be in a position to report at the April Meeting.

Commissioner Chagnon made a motion to adjourn; the motion was seconded by Commissioner Bonn and approved by all Commissioners present.

The meeting of the Burlington Electric Commission adjourned at 7:18 p.m.

Attest:

  
\_\_\_\_\_  
Laurie Lemieux, Board Clerk



*FY 2024  
Financial Review  
January*

*March 1, 2024*

# **Burlington Electric Department Financial Review**

**FY 2024**

## **Table of Contents:**

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## FINANCIAL HIGHLIGHTS – BUDGET VS ACTUAL as of JANUARY FY24

(\$000)	Full Yr Budget	CURRENT MONTH			YEAR TO DATE		
		Budget	Actual	Variance	Budget	Actual	Variance
Sales to Customers	53,110	4,717	4,707	(10)	31,901	32,141	240
Other Revenues	3,775	305	232	(73)	2,184	1,670	(514)
Power Supply Revenues	8,244	0	1,205	1,205	4,035	4,851	816
<b>Total Operating Revenues</b>	<b>65,130</b>	<b>5,022</b>	<b>6,144</b>	<b>1,122</b>	<b>38,120</b>	<b>38,662</b>	<b>542</b>
Power Supply Expense (Net)	33,880	2,288	2,829	(541)	19,796	19,311	485
Operating Expense	22,846	1,950	1,982	(33)	13,097	12,596	501
Depreciation & Amortization	6,630	552	530	22	3,867	3,748	119
Taxes	3,369	280	296	(16)	1,971	1,989	(18)
<b>Sub-Total Expenses</b>	<b>66,725</b>	<b>5,070</b>	<b>5,638</b>	<b>(568)</b>	<b>38,731</b>	<b>37,644</b>	<b>1,086</b>
<b>Operating Income</b>	<b>(1,595)</b>	<b>(49)</b>	<b>506</b>	<b>555</b>	<b>(610)</b>	<b>1,018</b>	<b>1,628</b>
Other Income & Deductions	5,044	410	382	(29)	2,967	3,884	917
Interest Expense	3,166	262	272	(10)	1,856	1,980	(124)
<b>Net Income (Loss)</b>	<b>283</b>	<b>99</b>	<b>616</b>	<b>516</b>	<b>501</b>	<b>2,922</b>	<b>2,421</b>

### Year-to-Date Results:

- **Sales to Customers** up \$240,000 (within 1% of budget). Residential Sales up \$70,100 and Non-Residential Sales up \$166,800.
- **Other Revenues** down \$514,000 (23.6%)
  - a. DSM billable (customer driven).
- **Power Supply Revenues** up \$816,000 (20%)
  - a. McNeil REC revenue of \$2,258,000 compared to a budget of \$1,954,000.
  - b. Wind REC revenue of \$1,848,000 compared to a budget of \$1,535,000.
  - c. Hydro REC revenue of \$745,000 compared to a budget of \$546,000.
- **Power Supply Expenses (Net)** down \$485,000 (2%)
  - a. Fuel down \$1,442,000.
  - b. Purchased Power up \$883,000.
  - c. Transmission up, \$74,000.
- **Taxes**
  - a. Actual Payment in Lieu of Tax (PILOT) will be \$27,000 higher than budget assumption for the year.
- **Operating Expenses** down \$501,000 (3.8%)
  - a. Various operating expense items are less than budget including Labor & Overhead, (\$352,000), DSM (rebates & outside services) (\$208,400), materials & supplies (\$116,600) and RPS Compliance (\$139,700). Offset by A&G Clearing higher, \$117,300 and amortization expense associated with the Moran Frame Project.
- **Other Income & Deductions** higher \$917,000 (30.9%)
  - a. Grant for EV bucket truck, \$560,000.
  - b. Unrealized gain on investment \$310,400.
  - c. Timing of asset retirements budgeted in August/December (\$132,000) have not happened.
  - d. Timing of jobbing unfavorable \$168,300.



## FINANCIAL HIGHLIGHTS – BUDGET VS ACTUAL as of JANUARY FY24

Capital Spending – January YTD (\$000s)				
Plant Type	Full Yr. Budget	Budget	Actual	% Spent
Production	\$2,038	\$1,303	\$749	37%
Other	415	280	96	23%
Distribution	7,166	2,576	2,277	32%
General	1,343	936	565	42%
<b>Total</b>	<b>\$10,963</b>	<b>\$5,095</b>	<b>\$3,687</b>	<b>34%</b>

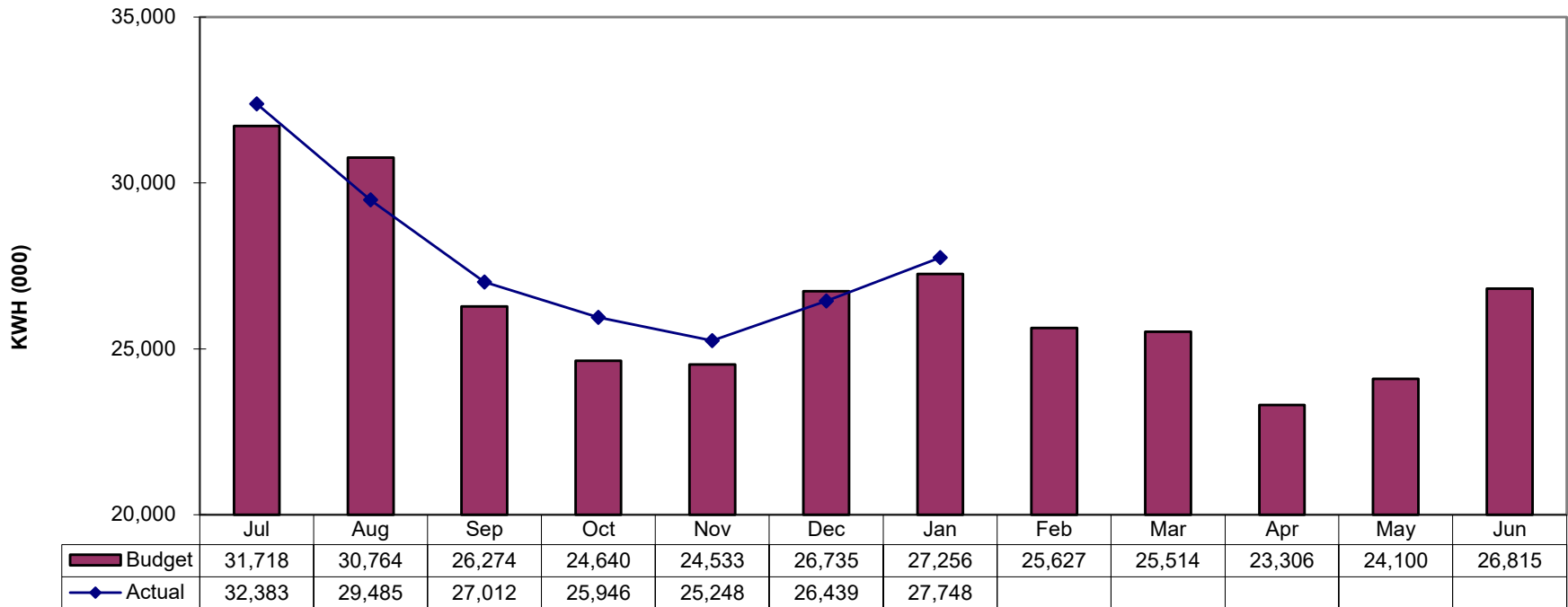
- (1) **Production** – Timing of turbine control system upgrade at McNeil plant, \$127,000 and various projects at Winooski One Hydro, \$82,000 and Gas Turbine, \$165,000.
- (2) **Other** – Timing; budget includes Policy & Planning Research & Development, Direct Current Fast Chargers (new locations) and EV Charger Installations (Level 2). Actual includes spending on Public Level 2 EV chargers and Distributed Energy Resources.
- (3) **Distribution** – Timing of various projects.
- (4) **General** – Actual includes full cost of the all-electric bucket truck less state grant \$560,000.

As of January 31, 2024 Operating Cash and Investments	
Operating Funds	\$9,001,600
Operating Fund – CDs	\$971,000
Total Operating Cash	\$9,972,600

Credit Rating Factors – January 2024				
	"A"	"Baa"	Current	3 Year Average
Debt Service Coverage Ratio	1.25	1.25	5.04	4.03
Adjusted Debt Service Coverage Ratio	1.50	1.10	1.61	1.61
Cash Coverage - Days Cash on Hand	90	30	122	112

**Burlington Electric Department  
Fiscal Year Ending June 30, 2024**

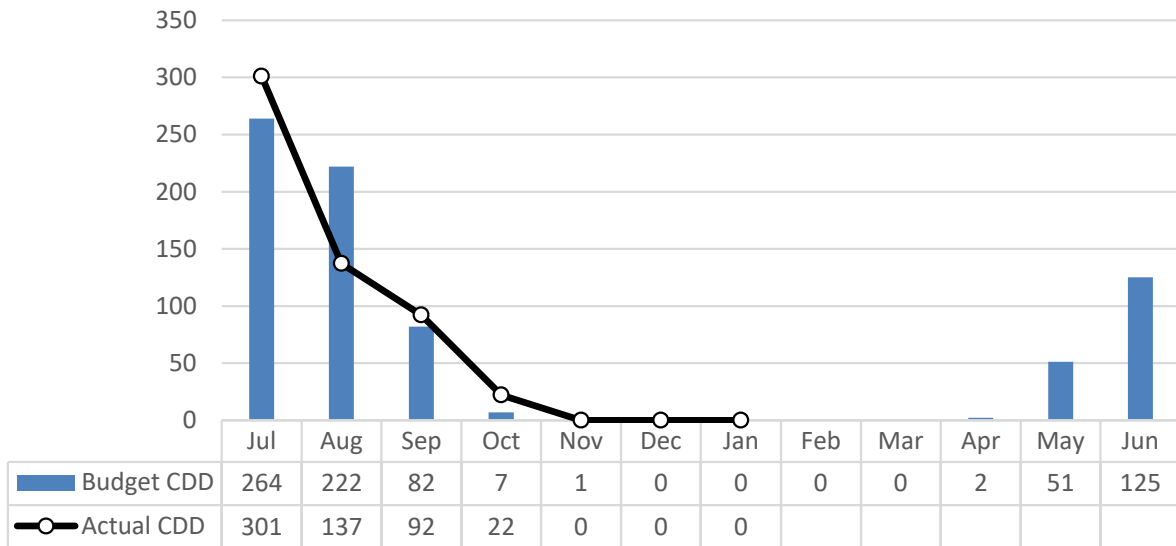
**Total Sales to Customers - KWH  
Monthly**



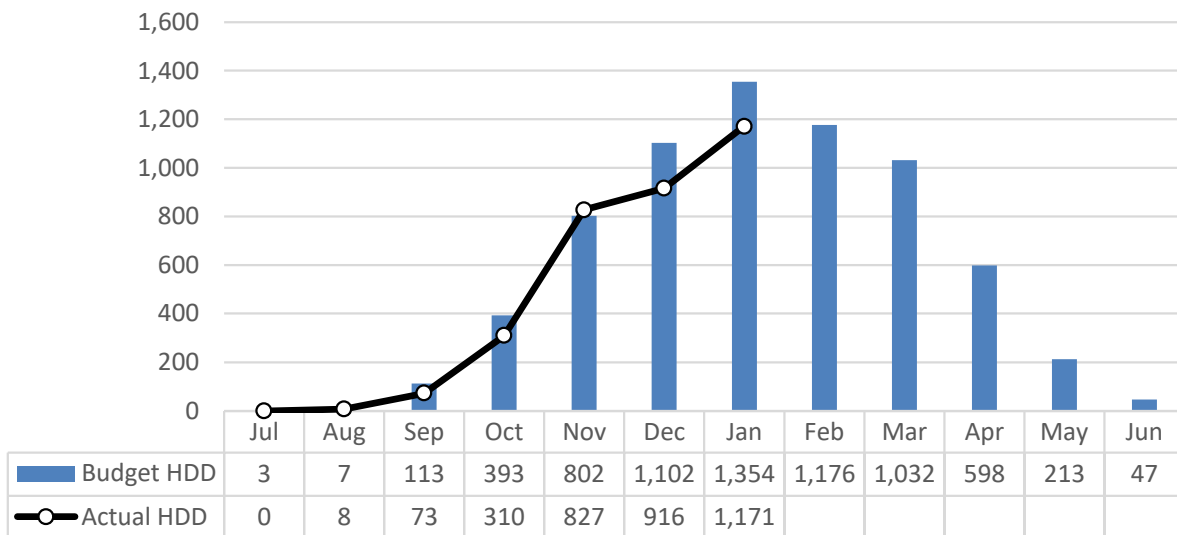
KWH Sales to Customers (YTD)												
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Budget</b>	31,718	62,482	88,756	113,397	137,930	164,665	191,921	217,547	243,061	266,367	290,468	317,283
<b>Actual</b>	32,383	61,868	88,880	114,826	140,075	166,514	194,261					

## FY 2024

### Cooling Degree Days (CDD)



### Heating Degree Days (HDD)

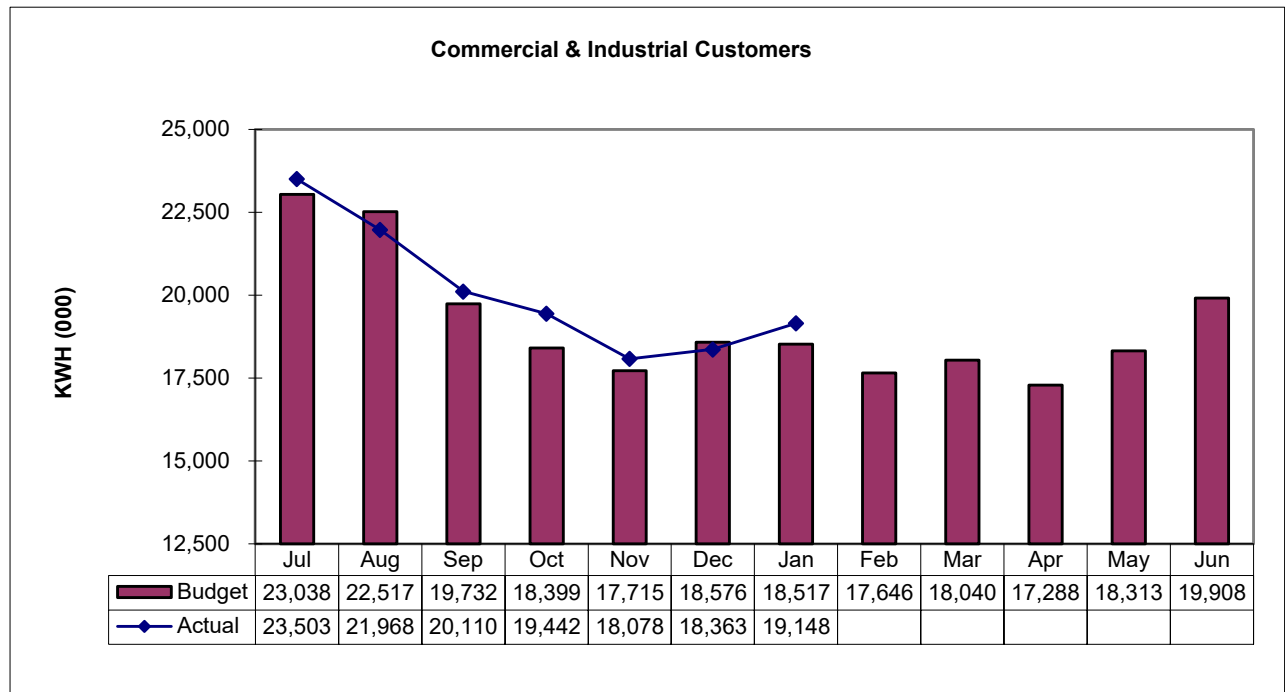
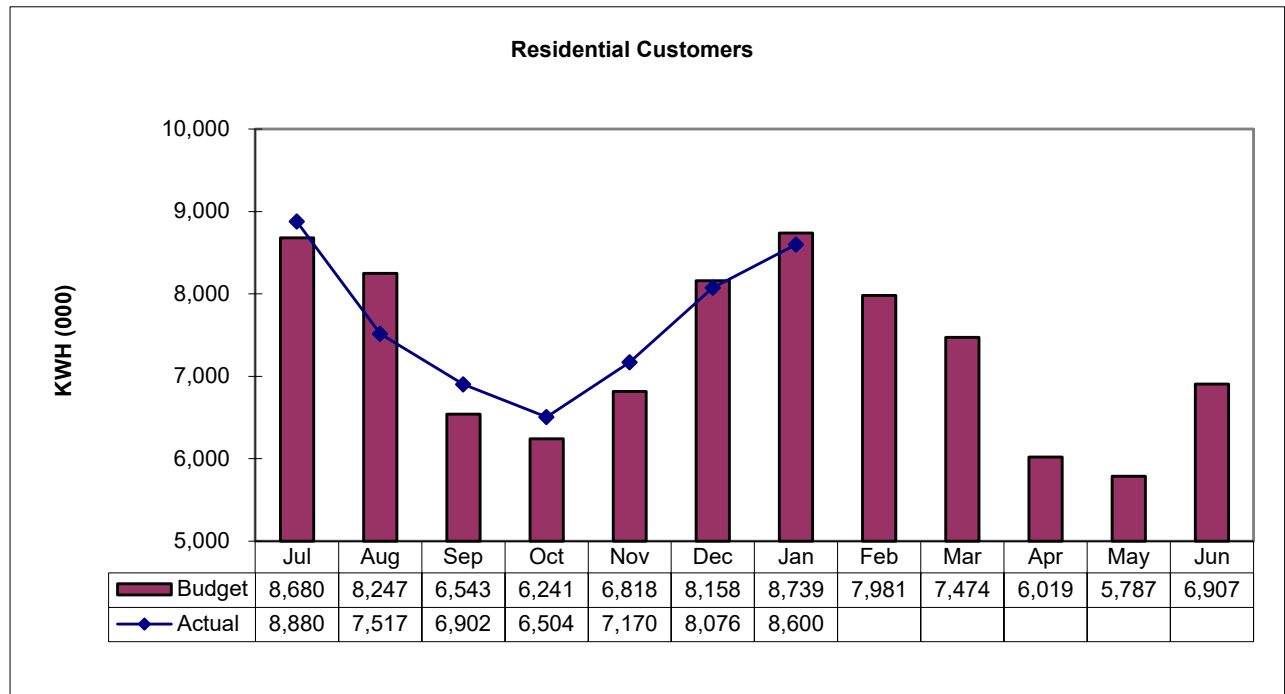


### Average Monthly Temperature

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Budget	73	72	64	52	39	29	22	23	32	45	59	67
Actual	74	69	57	56	37	35	27					

**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, 2024  
KWH Sales**



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

# **Net Power Supply Costs** **January - FY 2024**

	(\$000)						
	Current Month				Year-to-Date		
	Budget	Actual	Variance		Budget	Actual	Variance
<b>Expenses:</b>							
Fuel (p. 7)	\$1,208	\$1,116	\$92	(1)	\$6,057	\$4,615	\$1,442 (1)
Purchased Power (p.11)	196	843	(647)	(2)	7,955	8,838	(883) (2)
Purchased Power Adjustment (p 11)	43	43	(0)		303	303	(0)
Transmission Fees - ISO	537	550	(13)		4,145	4,337	(192) (3)
Transmission Fees - Velco	217	203	13		888	848	41 (4)
Transmission Fees - Other	87	74	12		447	370	77 (5)
Total Expenses	2,288	2,830	(543)		19,796	19,311	485
<b>Revenues:</b>							
Renewable Energy Certificates - McNeil	0	454	454		1,954	2,258	304
Renewable Energy Certificates - Wind	0	475	475		1,535	1,848	313
Renewable Energy Certificates - Hydro	0	276	276		546	745	199
Renewable Energy Certificates - Other	0	0	0		0	0	0
Total Revenues	0	1,205	1,205	(3)	4,035	4,851	816 (6)
Net Power Supply Costs	\$2,288	\$1,625	\$663		\$15,761	\$14,460	\$1,301
Load (MWh)	27,934	28,563	629		197,073	199,891	2,818
\$/MWh	\$81.89	\$56.89	(\$25.00)		\$79.98	\$72.34	(\$7.64)

## **Current Month:**

(1) See detail on page 7.

(2) See detail on page 11.

(3) Some REC Sales Budgeted in February occurred in January.

## **YTD:**

(1) See detail on page 7.

(2) See detail on page 11.

(3) ISO-NE Peak Load over Budget.

(4) BED Share of VELCO Common charges under Budget.

(5) NYPA NYISO Transmission charges under Budget.

(6) Early January REC deliveries offset by YE REC Sales projected to be 18% under Budget due to lower McNeil/Wind production in Cal 2023.

**Net Power Supply Costs  
January - FY 2024**

	(\$000)						
	Current Month			Year-to-Date			
	Budget	Actual	Variance	Budget	Actual	Variance	
<b><u>FUEL:</u></b>							
<b>McNeil:</b>							
Fuel Consumed	853	785	68 (1)	4,177	3,127	1,050 (1)	
Swanton Yard	75	95	(20) (1)	356	358	(2) (1)	
Train Deliveries	166	155	11 (1)	780	565	215 (1)	
Labor & Other Expenses	101	62	39 (2)	629	336	293 (2)	
Total McNeil Fuel	<u>1,195</u>	<u>1,097</u>	<u>98</u>	<u>5,942</u>	<u>4,386</u>	<u>1,557</u>	
Gas Turbine	13	19	(6) (3)	114	229	(115) (3)	
<b>Total Fuel</b>	<u><u>1,208</u></u>	<u><u>1,116</u></u>	<u><u>92</u></u>	<u><u>6,057</u></u>	<u><u>4,615</u></u>	<u><u>1,442</u></u>	

**Current Month:**

(1) McNeil production 13% under Budget. Wood Price per Ton 8% over Budget. (p. 8)

(2) Actual labor is based on tonnage consumed by McNeil; budgeted labor is based on personnel/days in the month, thus timing issues for comparative purposes.

(3) GT production (46 MWh) 72% over Budget.

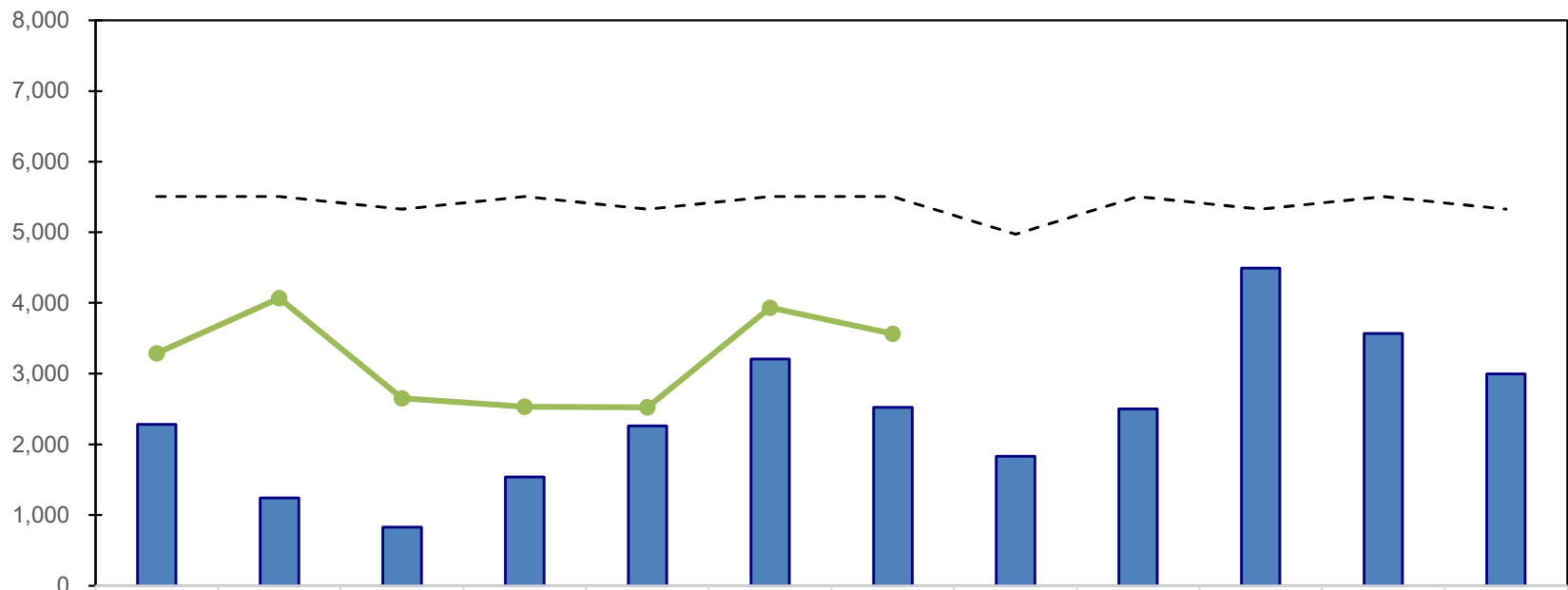
**YTD:**

(1) McNeil production 30% under Budget. Wood Price per Ton 6% over Budget. (p. 8)

(2) Actual labor is based on tonnage consumed by McNeil; budgeted labor is based on personnel/days in the month, thus timing issues for comparative purposes.

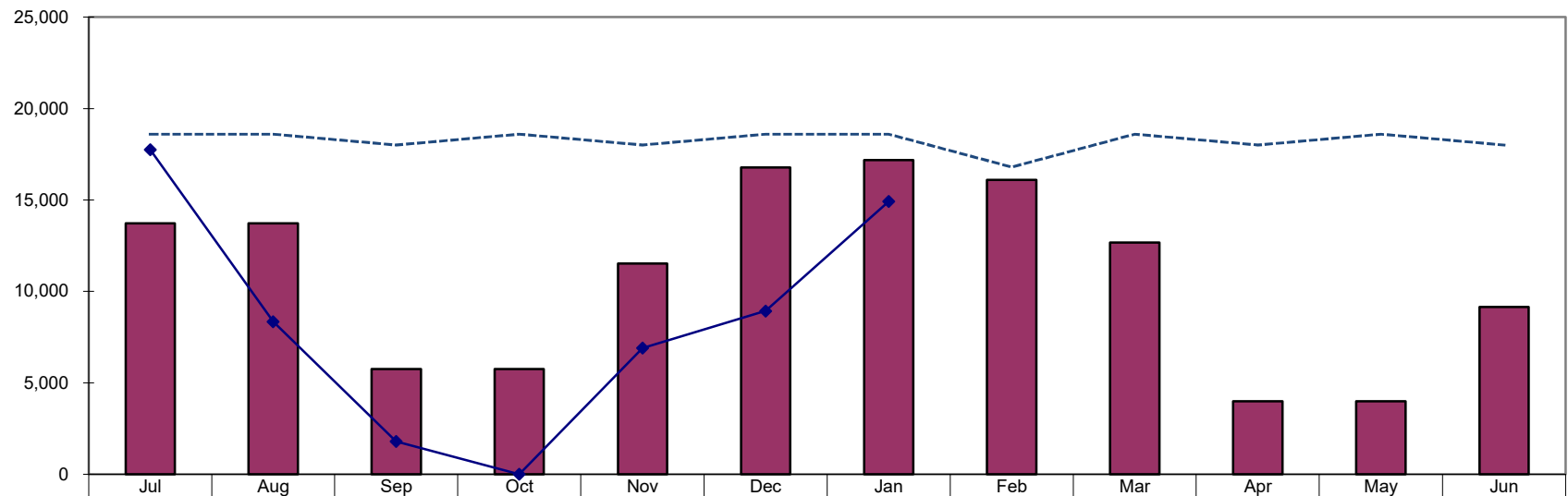
(3) GT production (504 MWh) 115% over Budget. Additional testing for B20 conversion.

**Burlington Electric Department  
Winooski One - MWH Production  
FY 2024**



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Budget	2,281	1,243	830	1,538	2,263	3,210	2,526	1,829	2,500	4,494	3,568	2,996
Actual	3,285	4,068	2,649	2,533	2,526	3,933	3,565					
Maximum	5,506	5,506	5,328	5,506	5,328	5,506	5,506	4,973	5,506	5,328	5,506	5,328

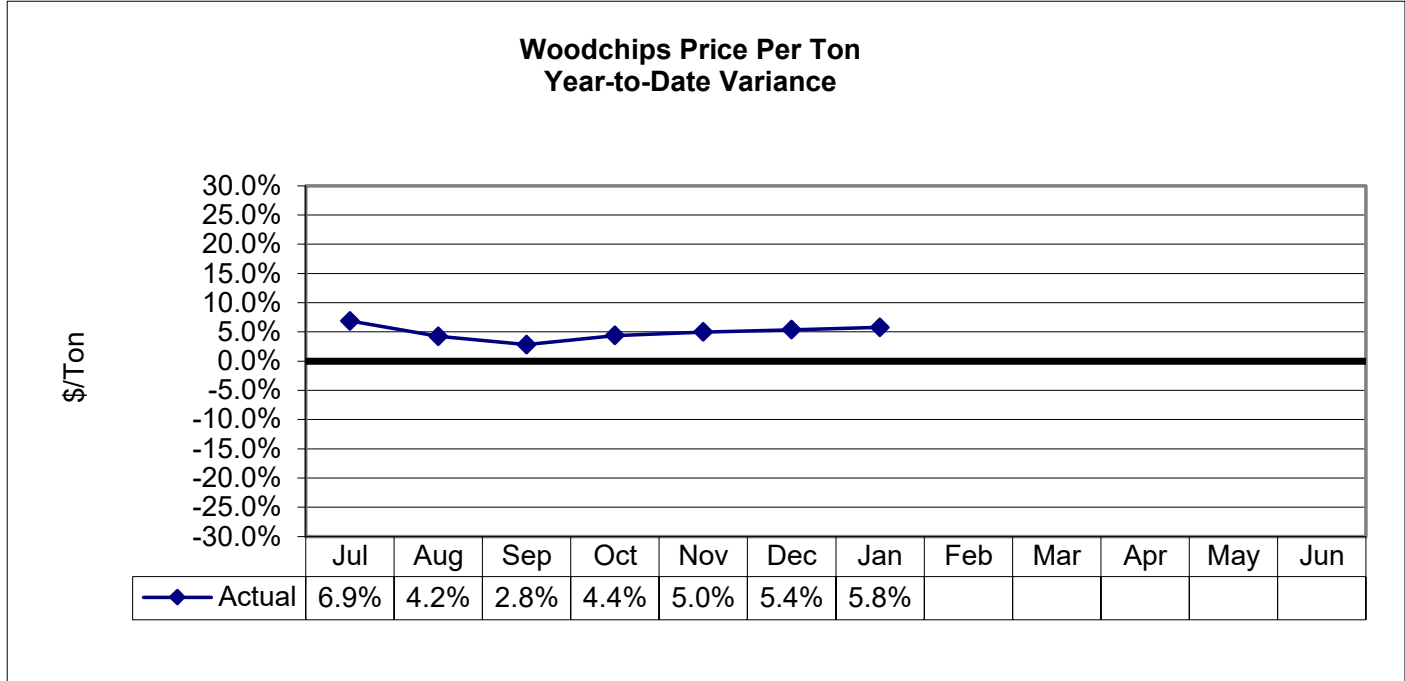
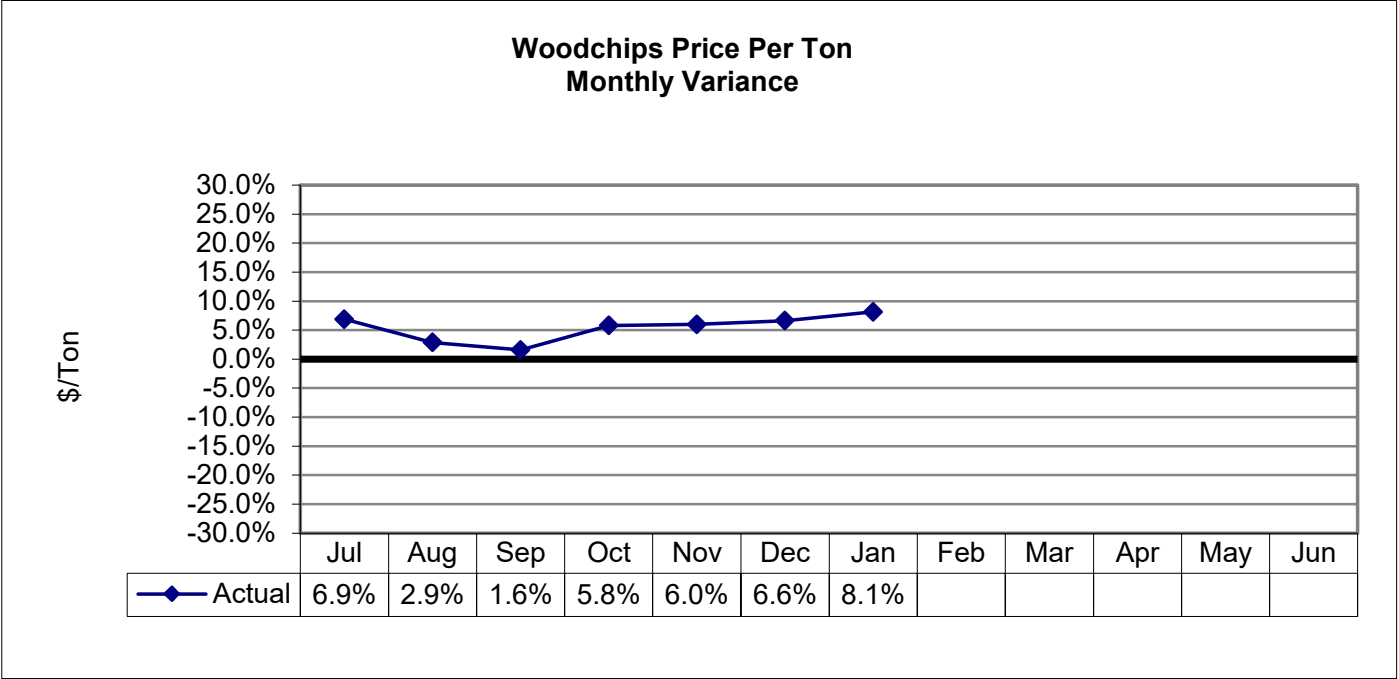
**Burlington Electric Department  
McNeil Plant - MWH Production (50%)  
FY 2023**



<span style="display:inline-block; width:15px; height:10px; background-color:maroon; border:1px solid black;"></span> Budget	13,721	13,721	5,764	5,764	11,529	16,785	17,185	16,113	12,671	3,993	3,993	9,152
<span style="display:inline-block; width:15px; border-bottom:2px solid blue; position:relative; top:-5px;"><span style="position:absolute; left:10px; top:-5px;">◆</span></span> Actual	17,749	8,344	1,804	0	6,893	8,927	14,924					
<span style="display:inline-block; width:15px; border-bottom:2px dashed blue;"></span> 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 Fiscal Year 2024



\* Wood only. Does not include other costs.

**Net Power Supply Costs  
January - FY 2024**

	(\$000)							
	Current Month				Year-to-Date			
	Budget	Actual	Variance		Budget	Actual	Variance	
<b><u>PURCHASED POWER:</u></b>								
Non-Energy (capacity)	97	67	29	(1)	721	499	222	(1)
<b>Energy:</b>								
Georgia Mountain Wind	262	251	11	(2)	1,892	1,703	190	(2)
Hancock Wind	351	290	61	(3)	1,801	1,423	378	(3)
VT Wind	223	122	101	(4)	1,365	1,060	305	(4)
Hydro Quebec	321	311	10	(5)	2,114	2,076	38	(5)
Great River Hydro	180	179	1		1,225	1,245	(20)	
In City Solar Generators	22	14	8		444	381	64	(6)
NYPA	6	6	0		44	51	(7)	
ISO Exchange	(1,438)	(489)	(949)	(6)	(2,515)	(175)	(2,340)	(7)
ISO Exchange Adjustment	43	43	(0)	(**)	303	303	(0)	(**)
Velco Exchange	0	(0)	0		0	(2)	2	
Total Energy	(30)	728	(758)		6,675	8,065	(1,390)	
Ancillary Charges	18	22	(4)		(192)	46	(238)	(8)
Miscellaneous	155	68	86	(7)	1,055	531	524	(9)
Total Purchased Power Expense	240	886	(647)		8,259	9,141	(883)	

**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) Mystic Costs under Budget.
- (2) Production 4% under Budget.
- (3) Production 17% under Budget.
- (4) Production 45% under Budget.
- (5) Price 3% under Budget.
- (6) Energy Prices under Budget. Production (McNeil (13%) and Wind (23%)) under budget.
- (7) Tier 1 compliance expense lower than budget through use of inventory and reduced purchase prices.

**YTD:**

- (1) Mystic Costs under Budget.
- (2) Production 10% under Budget.
- (3) Production 21% under Budget.
- (4) Production 22% under Budget.
- (5) Price 2% under Budget.
- (6) Solar production under Budget.
- (7) Energy Prices under Budget. Production (McNeil (35%) and Wind (17%)) under budget.
- (8) Forward Reserve Revenues provided by GT under Budget.
- (9) Tier 1 compliance expense lower than budget through use of inventory and reduced purchase prices.

**Burlington Electric Department**  
**Operating and Maintenance Expense by Spending Category**  
**FY 2024 - January YTD**

	<b>Budget</b>	<b>Actual</b>	<b>Variance</b>	<b>% Variance</b>	<b>*</b>
Labor-Regular	5,436,362	5,146,285	290,077	5%	
Labor-Overtime	288,059	280,944	7,115	2%	
Labor-Temporary	54,000	21,296	32,704	61%	
Labor-Overhead	2,071,081	2,048,496	22,585	1%	a
Outside Services	1,544,838	1,672,482	(127,644)	8%	
DSM (rebates & outside services)	1,159,846	951,416	208,430	18%	b
Materials & Supplies	518,230	401,599	116,631	23%	c
Insurance	455,083	439,689	15,394	3%	
A & G Clearing	(431,580)	(314,290)	(117,290)	27%	d
Other - RPS Compliance	496,391	356,686	139,705	28%	
Other	1,504,289	1,591,659	(87,370)	6%	e
<b>Operating &amp; Maintenance Expense</b>	<b>13,096,598</b>	<b>12,596,262</b>	<b>500,336</b>	<b>4%</b>	

(a) See page 13.

(b) 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.

(c) Timing; Generation-GT/W1 (\$28,900), Safety/Environmental (\$13,100), McNeil Plant (\$20,000) & Distribution (\$8,700).

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

(e) Actual includes annual amortization expense associated with the Moran Frame payment. The annual amount is \$118,839. Includes reclass of obsolete light, \$32,200.

**Burlington Electric Department  
Budget vs Actual Spending Analysis  
FY 2024 - January YTD**

<b>Labor - Overhead</b>	<b>Budget</b>	<b>(000's)</b>		<b>%</b>	
		<b>Actual</b>	<b>Variance</b>		
Pension	\$1,059	\$978	\$81	8%	(a)
Medical Insurance	933	1,038	(105)	-11%	(b)
Social Security Taxes	609	540	68	11%	(c)
Workers Compensation Ins.	210	199	11	5%	(b)
Dental Insurance	50	49	1	2%	(b)
Life Insurance	11	11	0	1%	(b)
	<b>\$2,872</b>	<b>\$2,815</b>	<b>\$57</b>	<b>2%</b>	

<b>Rates Table:</b>		<b>Budget</b>
<i>Pension (a)</i>		13.33%
<i>Social Security (c)</i>		7.65%

*(a) Function of labor cost.*

*Includes pension per Actuarially Determined Employer Contribution (ADEC), \$1,728,700 and amortization of IBEW Pension back payment, \$87,041.*

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

**Net Income**  
**FY 2024 - January (\$000)**

		Current Monti			Year - To - Date		
	Ref	Budget	Actual	Variance	Budget	Actual	Variance
<b>Operating Revenues</b>							
Sales to Customers	p.3	4,717	4,707	(10)	31,901	32,141	240
Other Revenues		305	232	(73) (a)	2,184	1,670	(514) (a)
Power Supply Revenues	p.6	0	1,205	1,205	4,035	4,851	816
Total Operating Revenues		<u>5,022</u>	<u>6,144</u>	<u>1,122</u>	<u>38,120</u>	<u>38,662</u>	<u>542</u>
<b>Operating Expenses</b>							
Fuel	p.6	1,208	1,116	92	6,057	4,615	1,442
Purchased Power	p.6	239	886	(646)	8,258	9,141	(883)
Transmission	p.6	841	827	14	5,481	5,555	(74)
Operating and Maintenance	p.12	1,950	1,982	(33)	13,097	12,596	501
Depreciation & Amortization		552	530	22	3,867	3,748	119
Revenue Taxes		50	55	(5)	360	359	0
Property Taxes Winooski One		42	42	(0)	294	296	(2)
Payment In Lieu of Taxes		188	199	(11) (b)	1,317	1,334	(17) (b)
Total Operating Expenses		<u>5,070</u>	<u>5,638</u>	<u>(567)</u>	<u>38,731</u>	<u>37,644</u>	<u>1,086</u>
<b>Other Income and Deductions</b>							
Interest/Investment Income		35	88	53	283	470	188
Dividends		367	380	13	2,568	2,644	77
Customer Contributions/Grant Proceeds		0	6	6 (c)	237	622	385 (c)
Gain/(Loss) on Dips of Plant		0	0	0	(150)	(18)	132 (d)
Other		8	(92)	(100) (d)	30	165	135 (e)
Total Other Income & Deductions		<u>410</u>	<u>382</u>	<u>(29)</u>	<u>2,967</u>	<u>3,884</u>	<u>917</u>
<b>Interest Expense</b>		262	272	(10)	1,856	1,980	(124)
<b>Net Income</b>		<u>99</u>	<u>616</u>	<u>516</u>	<u>501</u>	<u>2,922</u>	<u>2,421</u>

**Current Monti:**

- (a) Energy Efficiency Program cost reimbursement was lower than planned, \$68,000.  
(b) Actual Payment in Lieu of Tax (PILOT) is lower than budget assumption by \$26,960 for the year.  
(c) Actual includes grant proceeds for low income rate reimbursement.  
(d) Timing of jobbing unfavorable, \$137,500. Offset by interest income & unrealized gain on investment, \$89,700.

**Year - To - Date:**

- (a) Energy Efficiency Program cost reimbursement was lower than planned, \$482,000.  
(b) See current month.  
(c) Budget assumed customer contributions for Champlain Parkway, \$137,300 and overhead/underground billable, \$99,800. Actual includes billable for overhead/underground projects, \$30,000 and grant proceeds for EV bucket truck, \$560,000.  
(d) Timing. Budgeted in August, December, February & June.  
(e) Timing of jobbing unfavorable, \$168,300. Offset by interest income & unrealized gain on investment, \$498,100.

	\$000			
	Full Year Budget	Budget	January Actual	Variance
<b>McNeil (BED 50% Share)</b>				
Turbine Control System Upgrade/Insurance (314)	250	250	122	127
Routine Station Improvements <sup>1</sup>	186	74	43	31
Wood Handling Front End Loader (316)	183	183	175	8
Fuel Oil Tank Replacement Containment Area (312)	125		0	(0)
ESP Transformer Rectifier Controls Upgrade (312)	125	25	5	20
B-Belt Replacement	72		0	(0)
Freight Elevator Geared Equip & Controls (311)	40	40		40
Replacement Rail Cars (392)	38	38		38
Polisher Beads (312)	30	30		30
Augers Replaced (312)	30	15		15
McNeil Replacement Pickup Truck (all electric)	28	28	1	27
Cooling Tower Timber Replacement (314)	25			0
Safety Valve Replacements (312)	25	12		12
Belt Fire Suppression/Insurance (312)	20			0
Bottom Ash Conveyor	17			0
Ash Conveyor Rebuild (312)	12			0
Air Dryer (312)	12			0
Analyzer Upgrades for Chemical Treatment (312)	9	9		9
Station Tools & Tool Boxes (312)	7	4	1	3
End of Life Handheld Radio Replacement (316)	7	7		7
Continuous Emissions Monitoring Repl/Upgrade			68	(68) (a)
Other	20	11	4	7 (b)
Total McNeil Plant	1,262	726	419	307

(a) Prior year project.

(b) Budget includes rigging equipment, gas burner upgrade, chemical pump replacement, energy efficiency improvements, furniture & equipment cameras.

<b>Hydro Production</b>	318	300	218	82
<b>Gas Turbine</b>	458	277	112	165
Total Production Plant	2,038	1,303	750	554
<b>Other</b>				
Direct Current Fast Charger (new locations)	281	196	43	153
EV Charger Installation (Level 2)	108	65		65
Policy & Planning Research & Dev	26	18	33	(15)
Public Level 2 EV Charges			12	(12)
Distributed Energy Resources			7	(7)
Total Other	415	280	96	184

	\$000			
	Full Year Budget	Budget	January Actual	Variance
<b>Distribution Plant-General</b>				
<b>Aerial</b>				
Pole Inspection & Replacement	161	96	95	1
Pole P2296 Replacement Flynn Avenue	57	57	26	31
Rebuild Austin Dr	68	68	23	44
Replace 2L5 Circuit from P2349-913S	935		2	(2)
Rock Point Bridge Guy Wire Relocation (Rock Pt)	40	40		40
Sunset Cliff Rebuild	53	53	28	25
Total Aerial	1,314	315	174	140
<b>Underground</b>				
Install Cables on St Paul St (Bank to Cherry)	86			0
Main St Great Streets	0		5	(5)
Rebuild Ethan Allen Pkwy to 3 Phase	683	683	615	68
Rebuild Summit Ridge	332	266	0	265
Replace 2L5 Circuit from 913S to UH #248	812			0
Replace 322/323/324S (Main St and Univ Hts)	239		1	(1)
Switch 305S/325S/326S (Main St Reservoir)	252			0
Switch 709S/710S (Battery St - College & Main)	57			0
Switch 817S/912S/913S (Main St Reservoir)	147			0
Battery St UG Replacement Ph 1			114	(114)
Total Underground	2,607	948	735	213
<b>Customer Driven/City Projects</b>				
Champlain Parkway-Billable	269	161	587	(425)
Champlain Parkway (CAFC)	(229)	(137)		(137)
Main Street Great Streets			5	(5)
Total Underground	40	24	592	(568)
<b>Other</b>				
ADMS Phase 1-SCADA upgrade (Repl SCADA Sys)	724	167		167
Communication Equipment Emergency Repair	29	16	3	13
Distribution Transformers	631	410	10	400
SCADA Network Switches Replacement	107	59	8	51
SCADA Servers PC's and Monitors	229	229	15	214
SCADA Video Display	721		237	(237)
Other			9	(9)
Total Other	2,441	880	282	598
Total Distribution Plant-General	6,403	2,167	1,783	384

	\$000			
	Full Year Budget	Budget	January Actual	Variance
<b>Distribution Plant - Blanket</b>				
Aerial	171	113	62	51
Aerial (CAFC)	(65)	(32)	(26)	(6)
Underground	371	192	209	(17)
Underground (CAFC)	(135)	(67)	(3)	(65)
Meters	105	55	67	(12)
Lighting	228	93	169	(76)
Tools & Equipment - Distribution/Technicians	37	22	11	11
Replaces Failed SCADA Field Equipment	23	12		12
Substation Maintenance	17	10		10
Gas Detectors	5	5		5
Pulling Rope Amsteel Blue	7	7	6	1
Total Distribution Plant - Blanket	763	409	494	(85)
 Total Distribution Plant	7,166	2,576	2,277	298
 <b>General Plant</b>				
Computer Equipment/Software	902	524	156	368 (a)
Vehicle Replacement	259	258	832	(575)
EV Bucket Truck Grant			(560)	560
Buildings & Grounds	176	148	137	11 (b)
AED Purchase	7	7		7
Total General Plant	1,343	936	565	371

(a) Budget includes IT Forward, \$122,000 and other various projects (desktop/laptop replacements, iPads replacements for line crew, Pole Mount Routers, Network Infrastructure and Virtualized Hardware Refresh). Actual includes IT Forward, \$115,900, Desktop/Laptop replacements, \$21,000 and Virtualized Hardware Refresh, \$8,000.

(b) Repair of concrete floor in truck bay has been delayed. Funds will be used for other projects.

<b>Sub-Total Plant</b>	\$10,962	\$5,095	\$3,688	\$1,407
Add: CAFC* reclass to "Other Income"	428	237	589	(352)
<b>Total Plant</b>	\$11,391	\$5,332	\$4,277	\$1,055

\* Customer Advances (Contributions) for Construction.



## Operating Cash - FY 2024 Monthly Ending Balance

