



**Date:** February 3, 2025  
**To:** Municipal Light Board: Warren Leon (Chair), John Dalton, Brian Foulds, and Bianca Taylor  
**From:** Jason Bulger, CMLP Director  
**Subject:** Agenda for virtual Light Board meeting on **Wed., February 12, 2025, at 7:30 A.M.** (link below)

- 7:30 AM 1. **Call to Order**
- 7:30 AM 2. **Meetings and Minutes** 5 Minutes Chair  
• Vote to approve the minutes of January 22, 2025.  
Upcoming Meetings:  
Mar 12, 2025; Apr 9, 2025; May 14, 2025; Jun 11, 2025; Jul 9, 2025; Aug 13, 2025
- 7:35 AM 3. **Director's Update** 10 Minutes Director Information
- 7:45 AM 4. **Broadband Update** 5 Minutes BB Mgr. Information
- 7:50 AM 5. **CMLP Staff Introduction** 15 Minutes Director Information  
Background: The Light Plant currently employs 41 staff across several divisions. It can be beneficial for Light Board members and the public to understand who works at the Light Plant, and in what capacity.  
Purpose: CMLP staff from one or more divisions will introduce themselves and explain their daily and routine functions at the Light Plant.
- 8:05 AM 6. **Solar payments under TOU** 40 Minutes Chair Discussion/Vote  
Background: Currently customers with solar are compensated by how many kWh of solar they push back within the billing period. Under new Time-of-Use (TOU) rates, that method could stay the same or change to a system whereby customers with solar are compensated by kWh depending on when it is produced, with solar production being valued more during peak times.  
Purpose: Board members will continue to discuss aspects relating to how new TOU bills will look. As a continuation of the last meeting, the Board will take up the topic of the method of solar metering and compensation but not the actual pricing of it.
- 8:45 AM 7. **Alternatives to Non Carbon-Emitting Energy** 20 Minutes Asst. Director Info./Discussion  
Background: Recent solar and wind contracts have been abandoned by developers due to market forces drastically increasing the value and cost of the projects. This is leaving holes in our power portfolio.  
Purpose: Staff would like to present some alternatives and get feedback from the Board on what types of programs staff should pursue.



# CONCORD MUNICIPAL LIGHT PLANT

ELECTRIC | BROADBAND | ENERGY MANAGEMENT

9:05 AM 8. **Liaison & Public Comments** 5 Minutes Chair Information

9:10 AM 9. **Adjourn**

Distribution: Select Board (1 copy)

Kerry Lafleur

Carole Hilton

Joe Repoff

Eric Simms

Jan Aceti

Laura Scott

Jeff Cosgrove

Cameron McKennitt

Karlen Reed

Join Zoom Meeting

<https://us02web.zoom.us/j/83853970051?pwd=akVzemJRQk8vNTJRUnNIOs9NNDFuQT09>

Meeting ID: 838 5397 0051

Passcode: 661712

One tap mobile

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+16469313860,,87335757488#,,,,\*680327# US

**Link to view recordings of previous Light Board Meetings:**

<https://www.youtube.com/playlist?list=PL1TTzrWEKOOOn0RIJ2MdE2SnNZMWYeoat>

**Link to view the Director's Updates (in meeting packets):**

<https://concordma.gov/1106/Municipal-Light-Board>

**Link to view the Broadband Monthly Updates:**

<https://www.concordma.gov/3148/Monthly-Updates>

Concord Municipal Light Board Minutes  
January 22, 2025  
*Draft*

Pursuant to a notice duly filed with the Town Clerk, a meeting of the Municipal Light Board was held on Wednesday January 22, 2025, at 7:30 AM, via a Zoom Webinar. Present were Board Members: Warren Leon (Chair), Brian Foulds, John Dalton, and Bianca Taylor. Also in attendance were Jason Bulger, CMLP Director; Carole Hilton, CMLP Customer Service Manager; Laura Scott, Assistant Director of Power Supply and Energy Management; Joe Repoff, CMLP Assistant Director; Karin Farrow, CMLP Office Administrator; Cameron McKennitt, Select Board liaison to CMLP; Karlen Reed, Finance Committee liaison to CMLP; residents Andy Puchrik, and Jim Terry.

Note definitions for acronyms used in these minutes:

- **CMLP:** Concord Municipal Light
- **TOU:** Time-of-Use
- **kWh:** Kilowatt hour

### **CALL TO ORDER**

Mr. Leon called the meeting to order at 7:31 AM. Meeting recording will be posted to the Minuteman Media Website as soon as it is available.<sup>1</sup>

### **MEETINGS & MINUTES**

Upcoming Meeting Dates: February 12, 2025; March 12, 2025; April 9, 2025; May 14, 2025; June 11, 2025

**Mr. Dalton moved to approve the December 4, 2024 and January 8, 2025 minutes, as last distributed. Mr. Foulds provided the second and with a unanimous vote, the minutes were approved.**

**SOLAR BILL PRINT INFORMATION / TIME OF USE BILL PRINTING INFORMATION & VOTE** presented by Light Board Chair (2:01)

- Mr. Leon framed the discussion as focused on determining how solar metering will appear on the bill in terms of the overall bill redesign as a result of TOU rates. He explained that one way to compensate customers is for a fixed kWh rate per kWh of excess solar generation that passes through a customer's meter onto the distribution system.
- Mr. Foulds presented an alternative, which is a variable price per kWh for each kWh of excess solar generation based on when it passes onto CMLP's distribution system.
- Mr. Foulds presents his personal bill, which includes solar, so Board members can better understand the current state of solar metering.
- Mr. Bulger presented a summary of the Light Board member feedback after the discussion at the January 8, 2024 Light Board meeting:
  - All members preferred to see at least 12 months of data in the bill's graph, with 13 or 14 months being preferred.
  - All except Mr. Foulds preferred to see the TOU time periods shaded as separate units within each bar in that graph. Mr. Foulds prefers the shading be reserved for total usage by month split between (1) imported from the distribution system and (2) solar generated (if applicable).
  - All members thought it would be effective to use a QR code on the bill to take customers to a page detailing elements about their bills. It was clarified that the page would not be specific to that customer's bill but instead more generic about all CMLP bills.
  - All but Mr. Foulds preferred to collapse capacity/transmission, energy, and distribution charges

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<sup>1</sup> YouTube link: <https://www.youtube.com/watch?v=L30sTB1ua0w>

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January 22, 2025  
*Draft*

- into a single TOU per-kWh amount. Mr. Foulds prefers to collapse all except the distribution charge to make it clear that the distribution charge applies even for solar generation.
- As an interlude, Ms. Scott brought up the topic of the solar remuneration, once again explaining how each version would look on the bill. If solar is credited by the time of day when it was generated, the bill could get quite complicated when you factor how excess might cascade into other TOU buckets.
  - Other Board feedback: the Cobb EMC bill was preferred by 2 people, and all members wanted at least 13 months of data. It was suggested that we include the actual times of day for TOU.
  - Mr. Foulds' mock-up proposed bill layout was presented and discussed.
    - Mr. Leon asked if it would be possible to have two different types of graphs on the bill, depending on whether or not you were a solar customer. Staff will look into that.
  - Ms. Scott returned to the idea of solar customer compensation since Mr. Foulds' mock-up conceives of a different method that credits for the retail rate (minus distribution charges) regardless of how many units are generated (whereas today we credit only for the retail rate only up to the amount delivered).
  - Mr. Foulds showed an ETS and Solar customer mock-up winter bill with a table that shows usage for each rate schedule by time of day.
- Mr. Dalton proposed a compromise to frame the bill information in terms of the net consumption of customers by time of day. Mr. Foulds and Ms. Taylor indicated support.
  - Mr. Leon proposed removing the average temperature on the graph. Mr. Dalton proposed instead replacing it with heating and cooling degree days.
  - Ms. Taylor asked about ETS or heat pump customers who cannot shift their load to off peak times because they are used to heat homes. Ms. Scott explained that analysis showed heat pump customers actually save money under a time-of-use scenario because their systems run more at night when it is cold.
  - Mr. Leon preferred giving only the essential information on the bill in an uncluttered fashion along with additional information on the website. He prefers to omit heating/cooling degree days.

**Board members all agreed to omit temperature or heating/cooling degree days on the graph and to include 14 months on the graph: the current month back through the previous 13 months along with the same current month two years earlier.**

- Board members discussed collapsing other fees. After a suggestion to collapse everything by Mr. Leon, Mr. Foulds said he could accept collapsing the meter fee and fixed distribution fee, only to break out the meter fee for customers with second meters. But he feels strongly that the variable distribution fee should be in the service delivery section of the bill.
  - Mr. Dalton agreed that, while it adds some level of complexity, there is good reason to provide this additional information for people who really want to understand their bills.
  - Mr. Leon summarized this scenario using the language on the sample bill shown:
    - Combine the Meter Charge and Fixed Distribution Charge; call this Fixed Delivery Fee.
    - Move the Variable Distribution Charge (renamed) to the "Energy section" since it applies to total usage.
  - Ms. Taylor wanted to collapse the fixed and variable distribution charge into the same line for the purposes of bill presentation. Others did not necessarily agree.
- Ms. Taylor and Mr. Dalton said they did not have problems with the mock-up produced by Brian.
- Staff said we have enough direction to start, but we may have further questions.
- While presentation of rates per kWh was discussed, it ended with leaving it as a fraction of dollars rather

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*Draft*

than shown in cents. All decimal places will remain.

The Board determined it will need to follow up at a future meeting on the solar approach to determine whether or not people are compensated for solar based on the time it is produced.

**ALT. SOURCES of NON-CARBON EMITTING ENERGY**

- This conversation was postponed to the February meeting.

**LIASON PUBLIC COMMENTS (1:26:57)**

- **Karlen Reed** appreciated the thoughtful consideration given to the solar bill presentation. She currently uses her solar bill to gauge how quickly she is paying back her system, so the data points of what she generated, what she used, and what she netted are all relevant to her.

**Mr. Foulds moved to adjourn. Mr. Dalton provided the second, and with a unanimous vote, the meeting was adjourned at 8:59AM.**

Respectfully submitted,  
John Dalton, Clerk

# Concord Municipal Light Plant Updates

February 12, 2025

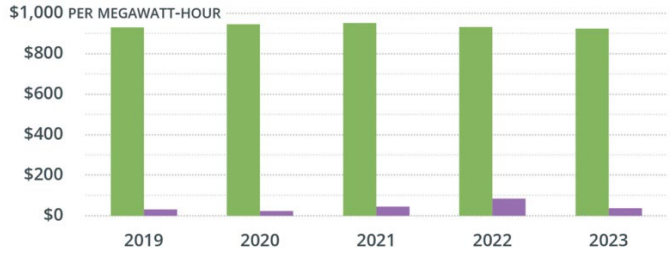
## Contents

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- Advanced Metering Project Updates ..... 4
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## Organization, Transition, and Industry

- CMLP is starting a culture committee to find ways to foster teamwork, celebrate accomplishments, and make this a happy place to work for all. The first meeting is on February 12th, and there are representatives from each division on the committee.
- CMLP is holding an all staff meeting and training session on Friday, February 14th. Phone lines will remain open, but we will be closed to foot traffic from 1-4pm that afternoon.
- Director Jason Bulger will be attending a General Manager’s Roundtable at the New England Public Power Association on Thursday, February 13th.
- Staff attended the Massachusetts Light Commissioners Association meeting in January on PILOT payments. MEAM is conducting a survey of current PILOT agreements now as well.
- Lobbyists and membership organizations are working to understand the changes to federal programs and grants as a result of the incoming administration. Mark Christie has been named Chairman of FERC ([press release here](#)).
- The ISO-NE has released an [informative FAQ](#) on demand response programs, which includes how they are compensated. Did you know that demand response bids are much higher than clearing prices in the real-time energy market?

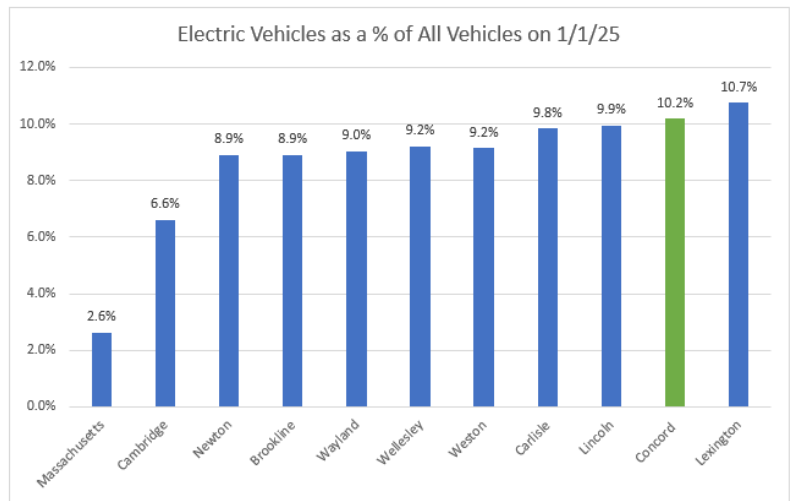
On average, demand response bids are much higher than clearing prices in the Real-Time Energy Market



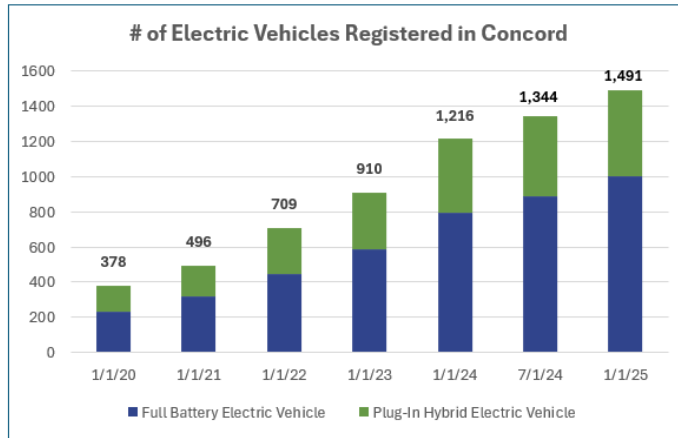
- The Los Angeles Department of Water and Power and mutual aid crews have replaced 700 poles and run more than 50,000 feet of 4.8KV cable while restoration efforts continue after the devastating fires. Consider supporting the [Red Cross](#), which helps fire victims in LA, here in Concord, and across the country, or to [other non-profits on the ground](#).

## Energy Management

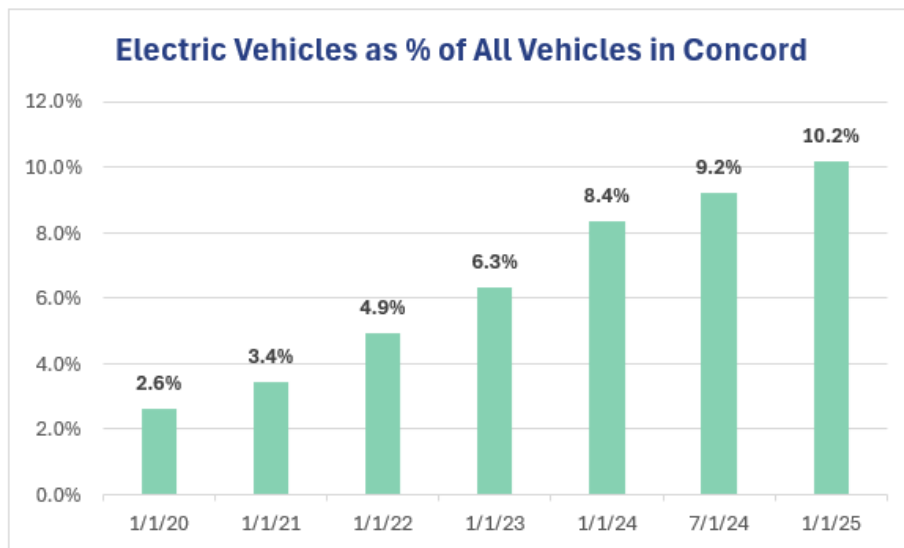
- Concord reached an EV adoption milestone on January 1, 2025! Plug-in vehicles now account for more than 10% of all vehicles in Town. We continue to exceed statewide adoption by a wide margin. Among Massachusetts municipalities with high rates of EV adoption, Concord continues to be edged out only by Lexington in the percentage of all vehicles that are electric (i.e. full battery electric + plug-in hybrid electric).



The number of EVs registered in Concord increased from 1,344 in mid-2024 to 1,491 on January 1, 2025. EV ownership has increased 4 times in Concord since the beginning of 2020, growing from 378 to 1,491 EVs.



The number of all vehicles registered in Concord has remained fairly constant since 2020 - between 14,300 and 14,700. So, the percentage of vehicles registered in Concord that are electric (i.e. full battery electric + plug-in hybrid electric) has increased as the number of EVs has grown.



- Energy Management staff have created and posted 2025 air-source and ground-source heat pump rebate pre-approval, post-installation QA review and rebate application forms to CMLP’s website. The forms reflect CMLP’s new supplemental electric heat policy for whole home rebates, and the change in whole home rebate amount from a fixed \$10,000 to \$3,000 per ton up to \$10,000. Staff also implemented a transition policy to ensure that CMLP customers who planned or completed whole home heat pump projects based on the 2024 CMLP heat pump rebate program parameters receive the higher CMLP whole home heat pump rebates in effect in 2024, even if their rebate is paid out in early 2025.

# Battery Storage and Solar Project Updates

- CMLP is negotiating a site license agreement with the school superintendent or School Committee. After a final legal review, it is hoped that we can move forward with the issuance of the RFP.

# Advanced Metering Project Updates

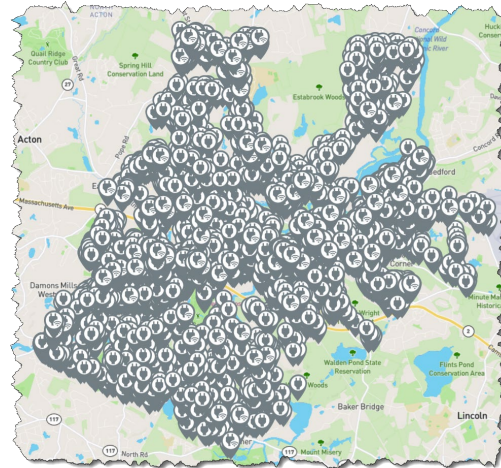
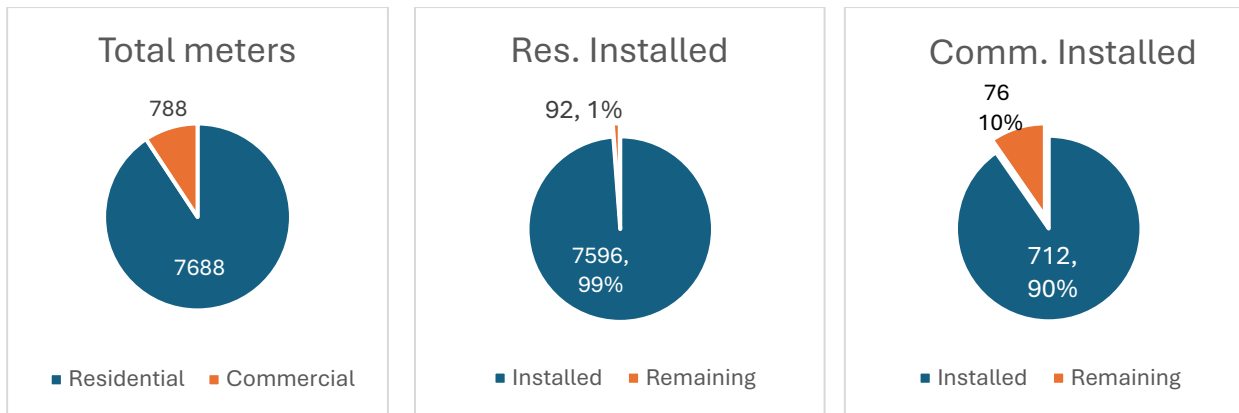


Figure 1: January 2025 Meters

- We are wrapping up the last of the AMI meters installations with approximately 168 meters left to install — 92 residential (of which 37 are opt out) and 76 commercial meters.



## Engineering and Operations

- Tree trimming has begun and will continue for the next several weeks, spanning half of our service territory (mostly in the eastern and western parts of town).
- A new EV plane charger at Hanscom was completed and energized, with several CMLP staff members contributing to the project.
- The annual safety training syllabus was finalized and submitted for scheduling.
- Flo has shipped replacement parts for Level 3 Fast Charger, and we hope to have it up and running soon.
- There have been multiple winter storm events where staff have been ready or actively restoring outages.
- Underground crew member Patrick Stahley will be leaving us after almost 6 years of service.

## Power Supply

- CMLP met with a potential utility scale battery energy storage system provider to review possible locations and use cases.
- A Concord resident, who is a professor at both the MIT Sloan School of Management and Tufts University, analyzed the effectiveness of the Google Group notices to customers requesting that they voluntarily reduce their usage during an expected summer peak. He is making himself available to the Light Board for a presentation on his findings.
- After further discussion with ENE's Senior Vice President of Regulatory & Market Affairs, CMLP has landed on an ISO-vetted settlement method for contractually pushing power back to Eversource. This method requires no formal metering domain or settlement method and will allow for continued peak shaving, unlike other options. We will explore next steps with Eversource on the logistics of station modifications and upgrades to make this possible.
- CMLP complied with ISO's new DER reporting requirements on PP12, which included additional aspects like inverter model.
- We are reviewing whether the potential Canadian energy import tariffs will impact CMLP's purchase power costs. Canadian imports (not including NYPA) represent 5% of CMLP's expected 2025 power purchases. ISO-NE writes "ISO New England has a long history of working with its neighboring systems. In 2024, 9% of [electricity demand in New England](#) was met through imports from our neighbors in Canada and New York. ISO New England will continue to focus on ensuring the reliability of New England's grid."
- We were presented with an option for a blend-and-extend renegotiation for our Seabrook contract where we would pay more upfront for the next few years but save overall with lower pricing in the future.

## Customer Service / Metering

- The Customer Service team is beginning a three-month project with NISC in early March to migrate to Cloud-based iVUE Connect Service for most of our database usage. As part of this project, NISC is requesting that we move to Expanded Taxes as well and the tax tables will no longer be in CIS but in Connect only. The tax tables will move over at April month end. The only change for Accounting is that Tax Charge Code 4.00 will change to 2004.00 on the Month End, Year End, and the Tax Summary reports. Other module components including Service Orders, Collections, and Cashier will go live as we complete the training for each module.
- We are in the DPU Winter Moratorium on disconnecting residential customers' electricity through April 15, 2025. We have continued collections efforts up to the point of disconnections for residential customers, but we can cut off service to commercial electric or Broadband customers with past due balances. Customer Service completed our review and revisions of documentation, door tags, applications, and other processes so we are ready for when the Moratorium is lifted.
- Customer Service staff started working on a first draft of Frequently Asked Questions for the Time of Use rate roll out which can be used on CMLP's website and other marketing collateral.



# TOWN OF CONCORD MUNICIPAL UTILITIES

ELECTRIC | WATER | SEWER | TELECOMMUNICATIONS

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## January 2025 – Broadband Updates

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Concord Broadband is pleased to share the following updates and information from the past month. Please do not hesitate to contact us at [broadband@concordma.gov](mailto:broadband@concordma.gov) should you have any questions, concerns, or feedback.

### Operations

After almost 3 years of service to Concord Broadband, we are sad to say goodbye to our Senior Network Engineer, Victor Sencion. Victor has been a terrific asset since 2021, and he has helped support customers and staff while accomplishing several large upgrades. Victor, we wish you the best of luck in your next venture! His last day will be February 18, 2025.

We would like to thank the underground crew for their assistance painting the Broadband Technician room!

### XGS PON Project Upgrades

We are excited to report positive progress on the upgrade to Concord Broadband's new 10 Gig network. We have obtained the equipment that will facilitate both our new OLTs, which can utilize 100 Gigabit links, as well as our new 10 Gigabit ISP link, which is burstable to 100 Gigabit speeds. We have identified the equipment we need and are going through the procurement process, which should take a few more weeks. And finally, we have located enough fiber at our two datacenter sites to connect the new equipment while leaving the existing equipment in place.

Once the equipment arrives, we will be racking it and configuring it to run on our network. We will cutover to our new routers and switches, and conduct extensive testing to ensure the new network is robust and can handle all existing traffic.

During the actual cutover, individual PON ports will be moved, fiber by fiber, to the new equipment. There will be slight downtime for these customers until ONTs populate and register in the new management system.

The beauty of this new hardware is that it allows both GPON (existing customers) and XGS (next generation devices) on the same fiber. This minimizes the impact and upgrade costs while allowing the possibility of future expansion. More updates will follow once we have completed the procurement phase of the project.

### Upcoming Maintenance

There are no maintenance windows currently scheduled.

Concord Broadband typically schedules maintenance windows from 1-4am on Saturday or Sunday to minimize the impact to customers.

Learn more on our maintenance page here:

<https://concordma.gov/3144/Broadband-Maintenance>

## Bridging the Digital Divide: BEAD Grant Opportunities for Low-Income Housing

Our Access to reliable, high-speed internet is no longer a luxury—it's a necessity. From education and employment to healthcare and civic engagement, broadband connectivity is crucial for full participation in modern society. Unfortunately, a significant digital divide persists, particularly affecting low-income communities and residents of affordable housing. The good news is that significant funding is on the horizon, and the Broadband Equity, Access, and Deployment (BEAD) program presents a powerful opportunity to bridge this gap.

### What is the BEAD Program?

The BEAD program, part of the Infrastructure Investment and Jobs Act, represents a historic investment in expanding broadband access across the United States. Administered by the National Telecommunications and Information Administration (NTIA), BEAD will distribute billions of dollars in grants to states and territories to deploy broadband infrastructure in unserved and underserved areas. This funding aims to connect communities that currently lack access to minimum broadband speeds, prioritizing areas with the greatest need. In Massachusetts, the Massachusetts Broadband Institute (MBI) is administering these funds.

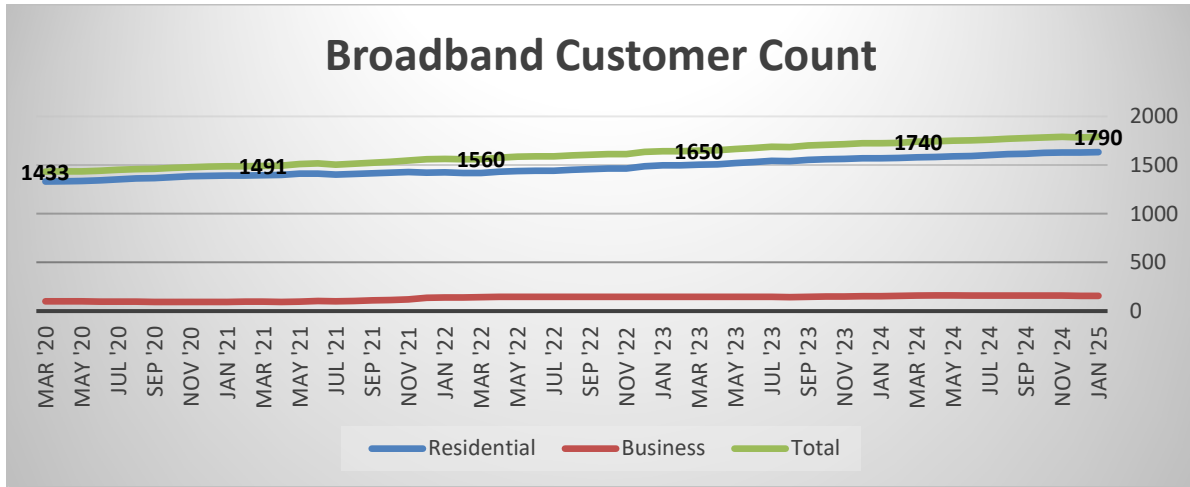
### How Can BEAD Help Low-Income Housing?

Residents of low-income housing often face significant barriers to broadband adoption, including affordability, lack of access to infrastructure, and digital literacy challenges. The BEAD program offers a potential lifeline for these communities by:

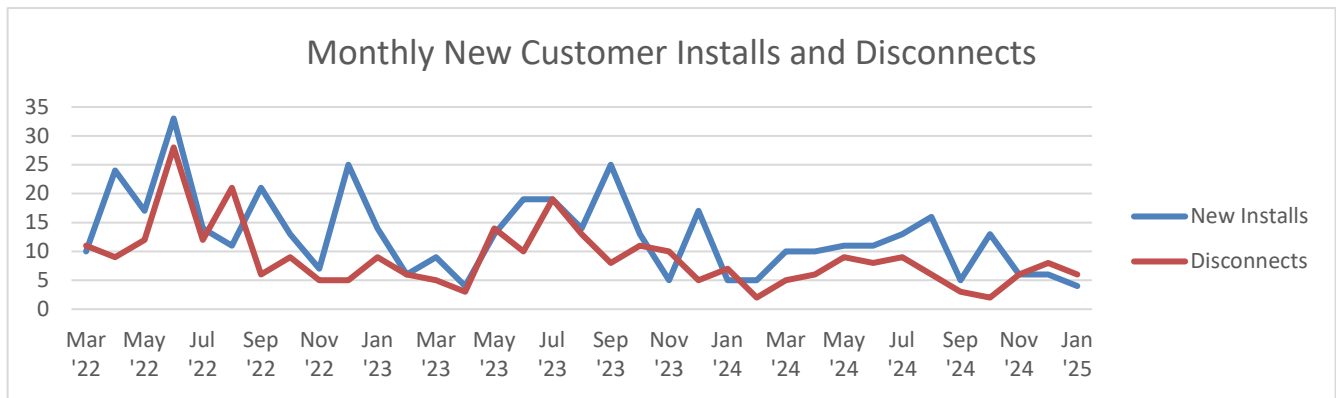
- **Funding Infrastructure Deployment:** BEAD grants can be used to build the necessary infrastructure to bring broadband service to low-income housing developments. This includes laying fiber optic cable, installing wireless equipment, and upgrading existing networks. Connecting these communities with robust infrastructure is the first and most critical step.
- **Supporting Affordability Programs:** While BEAD primarily focuses on infrastructure, it can indirectly support affordability. By expanding access and increasing competition among providers, the program can contribute to lower broadband prices. Furthermore, BEAD funding can be coordinated with other federal programs, such as the Affordable Connectivity Program (ACP), which provides subsidies to eligible households to help offset the cost of internet service.
- **Promoting Digital Inclusion:** Beyond infrastructure, BEAD can support digital literacy initiatives and programs that help residents of low-income housing develop the skills and knowledge needed to effectively use the internet. This includes training on computer basics, online safety, and utilizing online resources for education, job searching, and healthcare.

Concord Broadband staff have spent many hours attending webinars, obtaining quotes, doing research, and strategizing how we might be able to make use of these funds to expand access to residents in Concord. We won't know for a while if we are successful, but it is critically important to us that find a way to connect everyone in this Town.

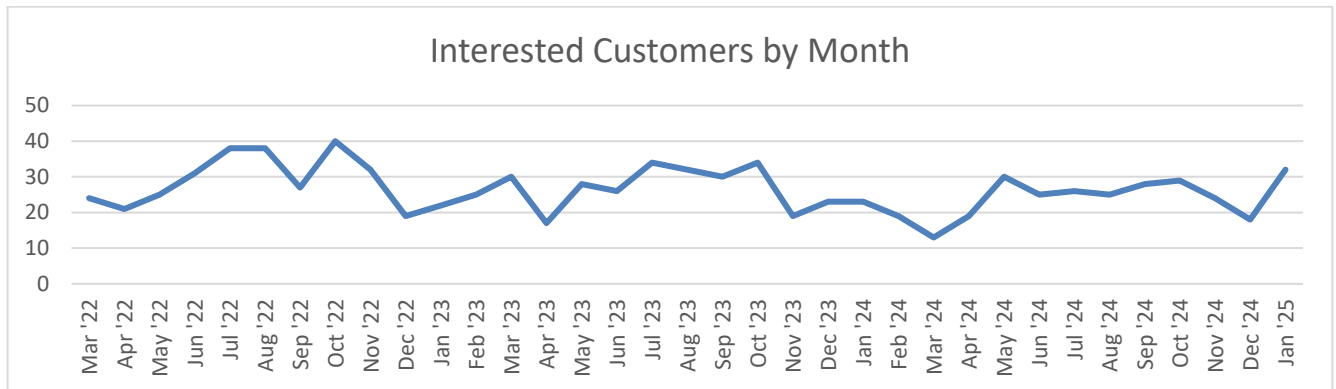
## Monthly Metrics and Business Data



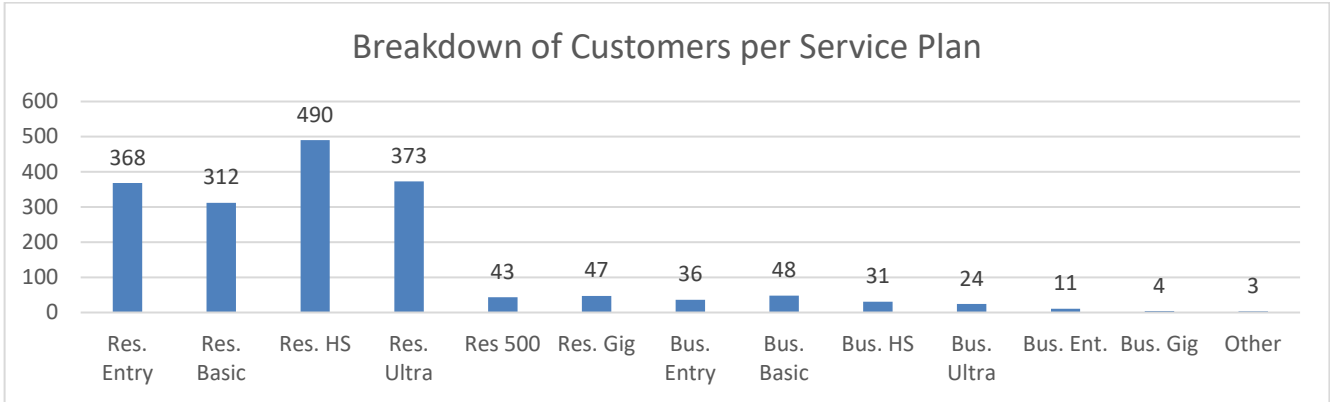
(Customer count: March 2020 – January 2025)



(The number of new installations and disconnects completed each month.)

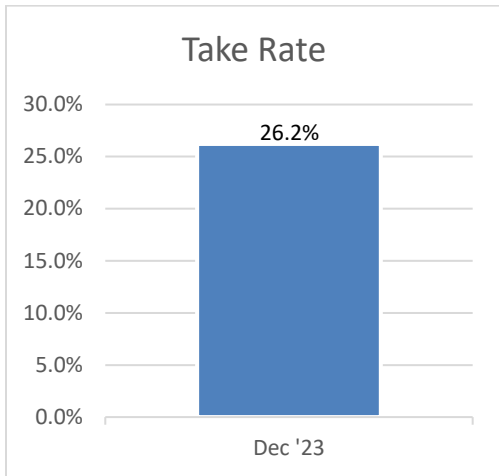
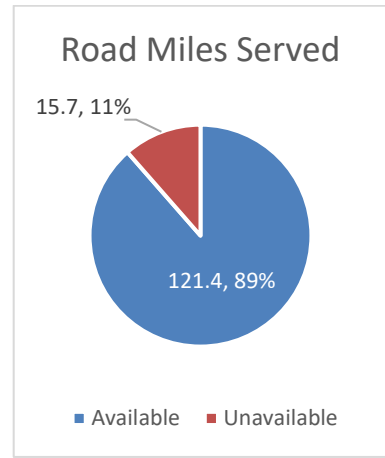
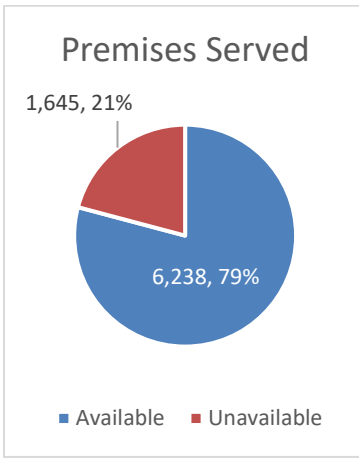
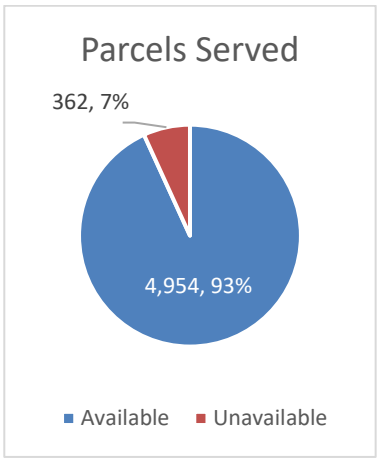


(This is the number of individuals who submit the Broadband interest form, whether they are in the current service area or not.)



*(This is the number of each customer on our different service plans as of 1/31/2025.)*

### Other Metrics



*(As of 12/1/2023; update coming soon!)*

## Appendix

### Fiber Broadband Completion Task Force's Report Goals

Goal	Type	Priority	Responsible Party	Additional Info.
<b>Policies (p.39)</b>				
<ul style="list-style-type: none"> <li>Universal Access</li> </ul>	Policy	Highest	Select Board/Town Meeting	
<ul style="list-style-type: none"> <li>Expansion outside current territory</li> </ul>	Policy	Low	Select Board/Town Meeting	Conversations happening
<ul style="list-style-type: none"> <li>Support Economic Vitality, Sustainability, Equity &amp; Inclusion</li> </ul>	Policy	High	Select Board/Light Board/TM Economic Development	Rate subsidy planned
<ul style="list-style-type: none"> <li>Affordable Housing</li> </ul>	Policy	Medium	Select Board/Housing Groups	Rate subsidy planned; working on Concord Housing Authority properties
<ul style="list-style-type: none"> <li>Public Safety</li> </ul>	Policy	Medium	Select Board/Town Manager	
<ul style="list-style-type: none"> <li>Education</li> </ul>	Policy	Medium	Select Board/School Dept.	
<ul style="list-style-type: none"> <li>Government Access (PEG)</li> </ul>	Policy	Medium	Select Board/PAAC	
<b>Recommended metrics for tracking (p.41)</b>				
<ul style="list-style-type: none"> <li>Parcels served</li> </ul>	Metric	Medium	Town Staff/Light Board	Complete; will report quarterly
<ul style="list-style-type: none"> <li>Premises served</li> </ul>	Metric	Medium	Town Staff/Light Board	Complete; will report quarterly
<ul style="list-style-type: none"> <li>Road miles served</li> </ul>	Metric	Medium	Town Staff/Light Board	Complete; will report quarterly
<ul style="list-style-type: none"> <li>Subscribers</li> </ul>	Metric	High	Town Staff/Light Board	Complete; will report monthly
<ul style="list-style-type: none"> <li>Take rate</li> </ul>	Metric	Medium	Town Staff/Light Board	Complete; will report quarterly
<ul style="list-style-type: none"> <li>Churn</li> </ul>	Metric	High	Town Staff/Light Board	Complete; included in monthly report
<ul style="list-style-type: none"> <li>Installations</li> </ul>	Metric	Highest	Town Staff/Light Board	Complete; will report monthly
<b>Governance (p.39)</b>				
<ul style="list-style-type: none"> <li>Track progress against completion</li> </ul>	Metric	Highest	Light Board/Town Staff	Working on this
<ul style="list-style-type: none"> <li>Rate of return policy</li> </ul>	Policy	High	Light Board/Town Staff	Working on this
<ul style="list-style-type: none"> <li>Financial goals with regular reporting</li> </ul>	Policy	High	Light Board/FinCom	Working on this
<ul style="list-style-type: none"> <li>Retained earnings and reserve policy</li> </ul>	Policy	High	Light Board/FinCom	Working on this

Goal	Type	Priority	Responsible Party	Additional Info.
<b>Strategic Planning Goals (p.43)</b>				
• Marketing and growth	Metric	High	Light Board/Town Staff	Working on this
• Business return	Policy	High	Light Board/Town Staff	Working on this
<b>Budgeting Process for Fiber Expansion (p.41)</b>				
• Expand to fill existing opportunities	Planning	High	Light Board/Town Staff	
• External funding sources	Research	Medium	Light Board/Town Staff	Working on this
• ARPA Relief Funds Allocation, incl. Lost Revenue	Finance	Highest	Select Board/Town Manager	Complete
• Review/Confirm Internal Loan Findings	Finance	Highest	Financial Audit Comm/Staff	Complete
• Review and Rescind PILOF to MMN	Finance	High	Select Board/Town Manager	Complete
<b>Capital Planning Process (p.42)</b>				
• Review/Revise Debt financing schedule	Policy	Highest	Light Board/Town Staff	In progress; due to positive financial situation, anticipating being able to repay faster.
• Quantifying cost of expansion	Planning	Medium	Town Staff	Working on this
• How to fund expansion	Planning	Medium	Light Board/Town Staff	Working on this
• Revise/refine methods for computing ROI	Planning	Medium	Light Board/Town Staff	Working on this
<b>Construction and Logistics (p.42)</b>				
• Vibratory plow – direct buried fiber cables	Operations	Medium	Town Staff	Working on this
• Revise/Refine Communication conduit construction standards and guidance	Policy	Medium	Town Staff	Working on this
• Integrate Fiber construction with the Roads Program – focus on Streets without fiber that already have underground electric	Planning	High	Town Staff	Working on this

# Energy Alternatives Analysis

Exploring Options for Renewable  
Energy Procurement

Project finance a new solar facility

**Building new Solar farm**  
Buying energy from the energy

Buying energy from the energy

\$

\$0.12-\$0.15

Purchase bundled energy + RECs

**Building new third party**  
Contracting with a third party for energy

Buying energy from the energy

Buying energy from the market for energy

\$0.06

?

Buy energy from the market and buy RECs separately

**Buying energy from the energy + Separate RECs**

\$74

\$ energy from energy

\$0.11

## Current Cost of Non Carbon Emitting Energy

