



**Date:** August 7, 2025  
**To:** Municipal Light Board: Warren Leon, John Dalton, Brian Foulds, Bianca Taylor and Chris Schaffner  
**From:** Jason Bulger, CMLP Director  
**Subject:** Agenda for virtual Light Board meeting on **Wed., August 13, 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
- Vote to approve the regular session minutes of July 18, 2025.
- Upcoming Meetings:  
 Sep 10, 2025; Oct 8, 2025; **Oct 22, 2025\***; Nov 12, 2025; **Nov 24, 2025\***; Dec 10, 2025  
 \*Not officially scheduled, but we will need a second meeting in October and November.
- 7:35 AM 3. **Director’s Update** 10 Minutes Director Information
- 7:45 AM 4. **Broadband Update** 5 Minutes Director Information
- 7:50 AM 5. **Time of Day Rate Discussion & Clarification** 30 Minutes Asst. Dir. Discussion/Vote
- Background: CMLP is working on a roll-out of a default opt-out time-of-use rate for residential customers. To do this, we have hired a cost-of-service study (COSS) consultant to conduct a new COSS and then advise the Board through the development of a new rate model.
- Purpose: Staff from Utility Financial Solutions (UFS) will be asking Board members to clarify a decision on rates voted in July as it relates to weekends and holidays.
- 8:20 AM 6. **Suspend reg. meeting and open rate hearing** 30 Minutes Asst. Dir. Info./Discussion  
*Requires a motion, a second, and roll call vote*
- Background: As part of the adoption of an opt-out residential Time-of-Day rate, Utility Financial Solutions (UFS) has been tasked with developing a cost of service study and providing advice on updates to all rates that will collect revenue based on gathered data.
- Purpose: UFS will be presenting multiple rates for discussion and Board consideration, including:
- Residential Time-of-Day Rate
  - Residential Opt-Out Rate
  - Controlled Water Heating Rider Rate
  - Power Adjustment Clause
  - Private Area Lighting
  - Residential Electric Vehicle Charging Separate Meter
  - Small General Rate
  - Medium General Rate
  - Large General Rate
  - General Service Net Metering
  - General Service Electric Vehicle Charging Rate



# CONCORD MUNICIPAL LIGHT PLANT

ELECTRIC | BROADBAND | ENERGY MANAGEMENT

- 8:50 AM 7. **Handling Opt Out Customer Requests** 15 Minutes Director Discussion/Vote  
Background: Some number of customers (under 40) have opted out of an advanced meter, and they will need an alternative non-RF-emitting device. Other customers may choose to opt out of the default residential Time-of-Day rate.  
Purpose: CMLP staff will share some examples of opt out methods and ask the Board to approve or recommend an alternative process for handling these situations, including any potential escalations that may be necessary.
- 9:05 AM 8. **Liaison & Public Comments** 5 Minutes Chair Information
- 9:10 AM 9. **Executive Session: Power Supply Contracts** 15 Minutes Director Discussion/Vote  
*Requires a motion, second and vote to close the regular session and move into an executive session. The Board will not reconvene in regular session. The motion made must include the specific exemption to be used.*  
*Pursuant to the Commonwealth of Massachusetts Open Meeting Law Purpose for Executive Session #10: to discuss trade secrets or confidential, competitively sensitive, or other proprietary information related to a power supply contract.*  
Background: There are two new power supply contracts to consider.  
Purpose: To get the Board’s opinion on whether CMLP should consider and potentially execute either or both contracts.
- 9:25 AM 10. **Adjourn**

Distribution: Select Board (1 copy)

Kerry Lafleur	Joe Repoff	Laura Scott	Nan Okarma
Dale Hartling	Cameron McKennitt	Don Kupka	

Join Zoom Meeting

<https://us02web.zoom.us/j/83853970051?pwd=akVzemJRQk8vNTJRUnNlOS9NNDFuQT09>

Meeting ID: 838 5397 0051

Passcode: 661712

**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

## July 18, 2025

Pursuant to a notice duly filed with the Town Clerk, a meeting of the Concord Municipal Light Board was held on Friday, July 18, 2025, at 7:30 am, via a Zoom meeting. Present were Board Members: John Dalton, Brian Foulds, Bianca Taylor who joined after the two referenced votes, and Chris Schaffner. Also in attendance were Jason Bulger, CMLP Director; Laura Scott, Assistant Director of Power Supply and Energy Management; Joe Repoff, Assistant Director of Engineering and Operations; Nan Okarma, Financial Manager; Kerry Lafleur, Town Manager; Cameron McKennitt, Select Board liaison to the Light Board; Don Kupka, Finance Committee Liaison to the Light Board; and residents Karlen Reed and Pamela Dritt.

Note definitions for acronyms used in these minutes:

- **CMLP:** Concord Municipal Light Plant
- **TOD:** Time of Day
- **TOU:** Time of Use
- **NPV:** Net Present Value

### CALL TO ORDER

Mr. Dalton called the meeting to order at 7:37AM. Meeting recording will be posted to the Minuteman Media YouTube page as soon as it is available.<sup>1</sup>

### ELECTION OF CHAIR PRO TEMPORE

Mr. Schaffner moved to elect Mr. Dalton as Chair Pro Tempore for the meeting. Mr. Foulds seconded the motion, and with all members present in favor, the motion carried. (Mr. Leon and Ms. Taylor were absent.)

### MEETINGS & MINUTES (0:54)

**Mr. Schaffner moved to approve the July 9, 2025 regular session meeting minutes as distributed. Mr. Foulds seconded the motion, and with all members present in favor, the motion carried. (Mr. Leon and Ms. Taylor were absent.)**

### BATTERY STORAGE PROCUREMENT METHODOLOGY (1:23)

Mr. Bulger and Ms. Scott gave a presentation on the Landfill energy storage planning and procurement process to date.

Energy storage has been planned since at least 2017. It was intended to increase system reliability, absorb solar, and allow for peak shaving savings to lower rates. The current distribution system has limitations that prevent excess solar from pushing back to Eversource. While efforts are underway to address those issues, adding a battery at the landfill would allow CMLP to increase in-Town solar at this site from 1.5MW (AC) to 3MW (AC).

Staff have been working with several developers for over a year to understand the different procurement options, project size, and have the largest positive impact on the distribution system and on ratepayers.

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<sup>1</sup> Minuteman Media YouTube Link: [https://www.youtube.com/watch?v=9S3Ygm\\_Bxt8](https://www.youtube.com/watch?v=9S3Ygm_Bxt8)

# Concord Municipal Light Board Minutes

## July 18, 2025

The three primary methodologies were presented: Shared Savings, which generally has lower risk and lower reward; Tolling, which allows CMLP to pay a monthly fee to operate a battery built and maintained by a developer; and Ownership, which results in CMLP owning and operating the battery.

There are currently 4 options with financial details presented to the Light Board:

1. Tolling
2. Shared Savings Option 1, which includes some curtailment on the solar
3. Shared Savings Option 2, which focuses exclusively on peak shaving
4. Ownership

Ms. Scott went over the assumptions that went into developing the financial analysis, including battery degradation, discount rate, accuracy of peak shaving, operational costs, and project duration. It was clarified that, because of uncertainty surrounding investment tax credits (ITC), this was not factored into the ownership option.

The net present value (NPV) on Shared Savings Option 1 was highest at \$9.3M, and the Ownership option was the lowest at \$7.8M. Staff agreed that the ITC would raise the NPV of the Ownership option to bring it in line with the two shared savings options. Conversely, the discount rate on the ownership model should probably be highest and possibly escalate over time due to the uncertainty of that option. The cost to decommission would also need to be factored into the ownership model.

Alternatives to the 4% discount rate on a 20-year project were presented, including a 10% discount rate as well as an option where the discount rate increases year-over-year due to the uncertainty of peak shaving in the future.

Board members offered several comments and asked questions:

- Mr. Foulds asked about the calculation regarding energy arbitrage. Staff agreed that the fear of battery degradation would not prevent the battery from being used for arbitrage. Mr. Dalton pointed out that the charging and discharging of the battery involved system losses, so the differential would need to exceed those values to be worthwhile. Staff agreed that there would likely be a formula in place to subtract the expected peak prices from the rates at the early morning charging to determine if arbitrage would be used on a given day.
- Mr. Foulds asked how much the ITC would increase the NPV value of the ownership option. At its maximum, which staff do not believe is achievable, it would be \$1.3M, which would put it ahead of Shared Savings Option 2 but still below Shared Savings Option 1. Additionally, decommissioning costs would need to be added to the ownership financials, lowering the NPV slightly.

Staff mentioned that there were other project considerations in addition to the financial analysis, including:

- Having the same or different developer as the solar developer at the landfill?
- Will the battery absorb some of the solar at the landfill?
- How much control will CMLP have over the battery for alternative uses (like dispatching for scarcity events)?
- How will the value of peak shaving change in the future?
- How much work is it to procure and install the battery?

## Concord Municipal Light Board Minutes July 18, 2025

The Board shared their thoughts on procurement options:

- Ms. Taylor preferred Shared Savings Option 1 and brought up the borrowing authorization given in 2024 for energy storage being general obligation bonds that are backstopped by the Town. Her preference was for project bonds that would not transfer that risk to taxpayers if there were a default.
- Mr. Foulds brought up the level of staff involvement in battery procurement and ongoing operations. While he's willing to take the risk to own the battery, he does like the Shared Savings Option 1 where we pair with the existing developer due to the efficiency of dealing with one entity at the site.
- Mr. Schaffner is now leaning toward the shared savings approach. He has seen uncertainty with federal credits, which cannot be relied upon. He also mentioned that required staff time was an unknown variable in the ownership option.
- Mr. Dalton's gut feeling is that the NPV is greatest under the ownership model, but carries greater risk. With greater risk, ownership should be given a higher discount rate due to future uncertainty. He also recommended that we be careful about the agreement with the shared savings vendor to make sure they do not try to transfer the ITC risk to CMLP.

Mr. Bulger said staff have heard that the Board generally feels shared savings for this project at this location is the recommended path for procurement, and now staff can work on getting firm offers. Ms. Scott mentioned that with a signed agreement, these developers can start to get financing and start to onshore equipment to help better protect against changes, which lowers risk for both them and CMLP.

Mr. Dalton asked to clarify if staff were going to just bring one offer to the Board or keep multiple offers now that the shared savings path was selected. Ms. Scott confirmed that CMLP staff will continue to negotiate with all parties and work to bring the best possible deals forward.

Ms. Scott explained that through extensive negotiation and due diligence – and with the backstop of having our own financing – these offers have all improved significantly. In some cases the NPV has increased over \$2 million over the life of the proposed agreement.

### **LIASION & PUBLIC COMMENTS (1:03:04)**

- Cameron McKennitt, the Select Board liaison to the Light Board, summarized some of the potential Select Board goals for Fiscal 2026, which might include implementation of Time-of-Use rates, the middle school solar, and being able to push back power to Eversource.
- Pamela Dritt wondered if we are aiming for a future of distributed energy resources and virtual power plant. Mr. Dalton mentioned that the discussion today was centered around a battery that would do just that. Ms. Dritt mentioned the potential for vehicle-to-grid electric school buses, and staff mentioned that this project was moving forward due to a grant the schools got from MassCEC.
- Karlen Reed asked what the difference was between "Time-of-Use" and "Time-of-Day" rates. Mr. Foulds mentioned that the Sacramento Municipal Utility District did extensive focus groups on what to call their rate structure, and the feedback they got was "Time of Day." The two terms are being used interchangeably.

**Concord Municipal Light Board Minutes  
July 18, 2025**

**ADJOURN (1:08:16)**

**Mr. Foulds moved to adjourn, and with a second from Mr. Schaffner, the remaining members voted unanimously to adjourn the meeting at 8:43AM.**

**Respectfully submitted,  
Mr. Dalton, Clerk**

# Concord Municipal Light Plant Updates

August 13, 2025

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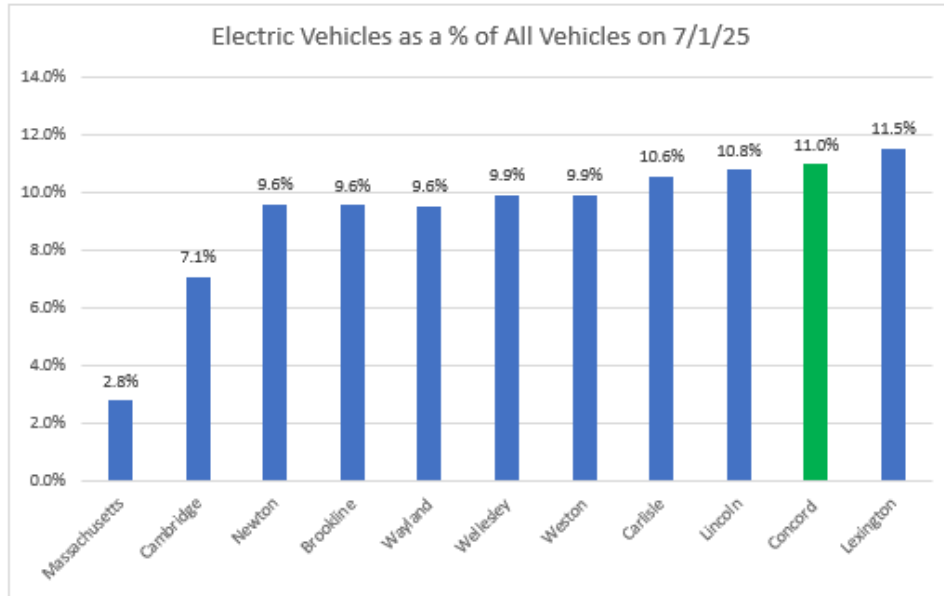
## Organization and Industry

- **New England Utilities Launch Major Energy Storage Procurement:** In a significant move to enhance grid reliability and support the transition to a clean energy future, Massachusetts’ investor-owned utilities (Unitil, National Grid, and Eversource) have issued a joint Request for Proposals (RFP) for 1.5 gigawatts (GW) of mid-duration energy storage. This landmark tender, the largest of its kind in New England, is the first phase of a broader state mandate to procure 5 GW of storage by 2030. The RFP targets technologies that can provide four to ten hours of discharge, a crucial capacity for meeting peak demand during evening hours when solar generation wanes. Projects are expected to be commercially operational by January 1, 2030, aligning with the state's goals for offshore wind and solar integration. This initiative aims to replace retiring fossil-fuel generators, meet the Commonwealth's 2050 net-zero target, and protect ratepayers from price volatility.
  
- **FERC Approves New Reliability Standards for Inverter-Based Resources:** The Federal Energy Regulatory Commission (FERC) has taken a significant step to improve the reliability of the electric grid by approving new standards for inverter-based resources (IBRs), such as solar, wind, and battery storage. The new standards address concerns about the potential for these resources to trip unexpectedly during grid disturbances. FERC’s order is part of a broader effort to ensure the grid remains stable as more variable and intermittent renewable energy sources are integrated. These new rules will help define the performance requirements for IBRs, thereby improving their ability to withstand and ride through grid disturbances and contribute to overall system stability. This move is a direct response to a recommendation from the North American Electric Reliability Corporation (NERC).

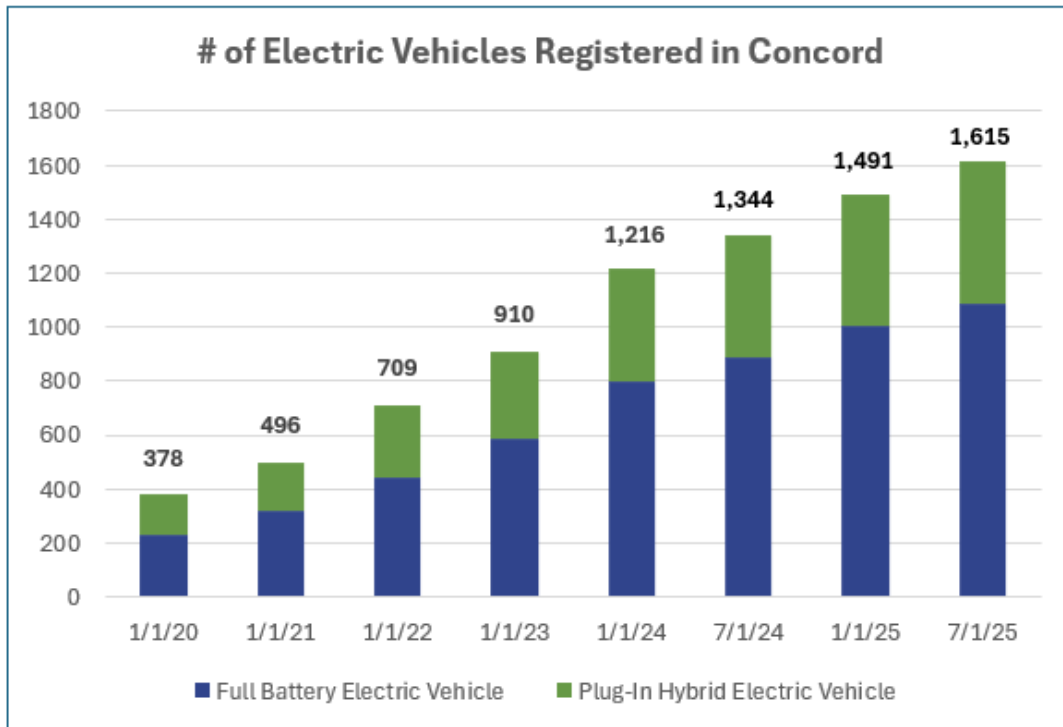
- Energy New England Expands Partnership with Holden Municipal Light Department:** Energy New England (ENE) has announced a new partnership with the Holden Municipal Light Department (HMLD) to provide wholesale power purchasing, conservation, and rebate services. Effective July 1, 2025, this collaboration will allow HMLD to leverage ENE's extensive expertise and resources to secure reliable and cost-effective power for its customers. This new service offering is part of ENE's mission to support public power utilities across New England by providing a range of services that help them manage complex market challenges and deliver value to their communities.
- DPU Mandates Heat Pump Discount Rates for All Electric Utility Customers:** In a significant order, the Massachusetts Department of Public Utilities (DPU) has mandated that all electric utility customers in the Commonwealth will soon be eligible for new heat pump discount rates. The recent order on Eversource's heat pump rate is the final step, as similar programs for National Grid and Unitil were already in place. This move ensures that eligible customers across all three investor-owned utilities can now access significant savings on their heating bills, with estimates suggesting a potential savings of around \$540 per year. The DPU's decision is a major step toward promoting the adoption of high-efficiency electric heating systems and supports the state's broader decarbonization and clean energy goals. This does not impact areas served by municipal light plants.
- DOER Seeks Feedback on New Guideline for District Energy Systems:** The Massachusetts Department of Energy Resources (DOER) is actively seeking public comment on its new draft guideline for District Energy Systems (DES). This guideline is a key component of the state's effort to decarbonize the heating sector and aligns with the 2050 net-zero emissions target. The proposed framework requires DES to have a long-term plan to efficiently electrify all energy inputs and demonstrate a commitment to using at least 95% electric heat pumps for annual production by 2050. The feedback period for this initiative closed in mid-July, and the comments will help shape the final policy. This effort underscores MassDOER's focus on transitioning away from fossil fuels in both residential and commercial heating.

## Energy Management

- The number of electric vehicles registered in Concord grew 8.3% between January 1 and July 1, 2025. Plug-in vehicles now account for 11% 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).

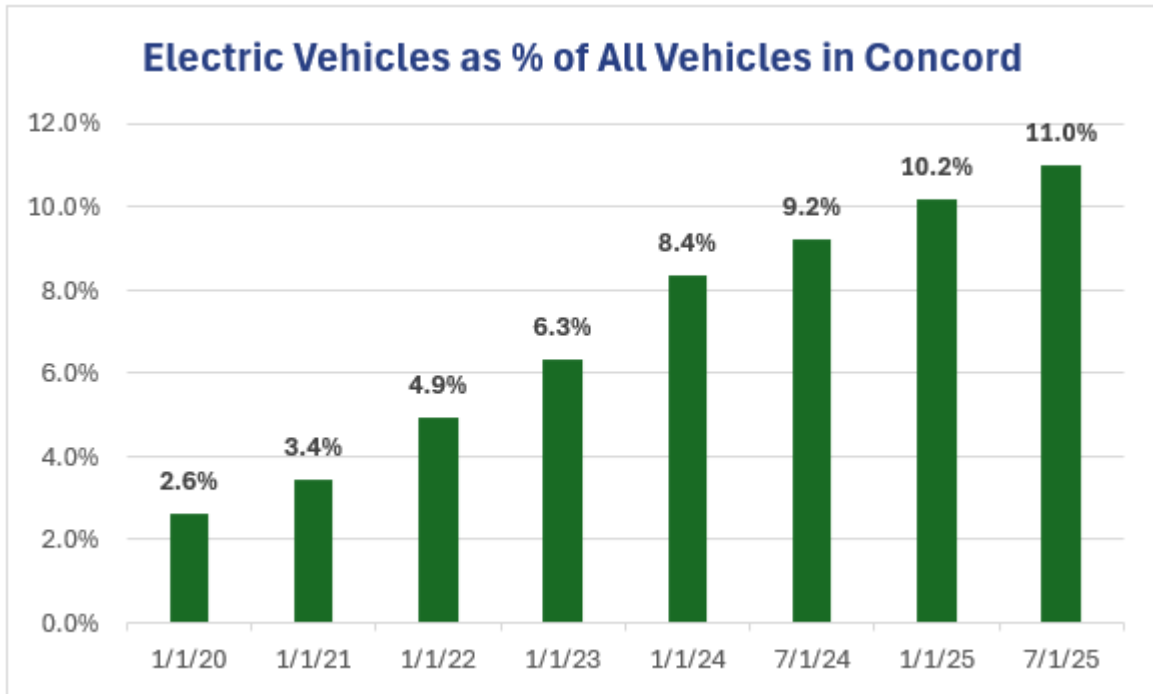


- The number of EVs registered in Concord increased from 1,491 on January 1, 2025 to 1,615 on July 1, 2025. EV ownership has increased over 4 times in Concord since the beginning of 2020, growing from 378 to 1,615 EVs



- 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.



- The percent change in total plug-in vehicles year-over-year in Concord has been as follows:

Year	% Change in Total Plug-In Vehicles
1/1/20 to 1/1/21	31%
1/1/21 to 1/1/22	43%
1/1/22 – 1/1/23	28%
1/1/23 – 1/1/24	34%
1/1/24 to 1/1/25	23%

- Energy Management and engineering staff and ENE’s EV Specialists are providing advice and guidance to Minuteman Arc and Spaulding Management as they plan EV charging infrastructure projects at 35 Forest Ridge Rd and 490 Virginia Rd, and as they prepare to apply for CMLP’s commercial charging station rebate.
- Energy Management staff completed a report on our 2024 residential energy efficiency and electrification program expenditures and participation as part of our Municipal Action Plan reporting obligations to DOER.

- Staff completed a quarterly update of lists of contractors that have completed weatherization, heat pump and EV Level 2 charging system installation projects in Concord, including counts of the number of rebate-eligible projects each contractor has done. We post these lists on our website as one resource that customers can use to identify contractors that do work in Town.
- Energy Efficiency & Electrification Specialist Pamela Cady has consolidated over 13 years of heat pump rebate records into one spreadsheet, in order to make it easier for CMLP to analyze the data going forward and to report to the community on our progress.

## Battery Storage and Solar Project Updates

- The middle school solar Invitation for Bids are due on August 23.
- CMLP met with the school leadership, including the Superintendent, Assistant Superintendent, middle school principal, and staff working on the new building project to discuss contract award, timelines, and how to minimize impact on school operations during construction.
- A meeting was held with stakeholders to review the proposal for the new V2X Level 3 charger provided by Mass CEC. Concrete drawings will kick off CMLP's work on next steps.

## Finance Updates

- Audit work continues and should wrap up soon.

## Metering Division

- Ann Breitenwischer, Meter Supervisor, is preparing a plan for decommissioning the old smart grid system including the old gateways and LCRs and will schedule a meeting with the key stakeholders to discuss next steps. This will be an ongoing project.
- Metering continues to add demand readings in the billing system for residential and G1 accounts now that this information is available with the new AMI meters. This task will be ongoing for several months. Having these demand readings will help Metering and other divisions with additional data for troubleshooting and research.

## Engineering and Operations

- No data submitted.

## Power Supply

- CMLP has an opportunity to buy output from a new 5MW AC solar project in New Hampshire.
- We continue to negotiate a PPA for expanding solar at the landfill and the 5 MW x 20 MWh battery there.
- Extensive work continues on rate design with UFS for the August Board meeting.

## Customer Service

- After 16 years of dedicated service, Carole Hilton retired from CMLP on August 4, 2025. Carole was instrumental in handling several large projects, like the implementation of our new ERP/CRM software in 2019 and our Advanced Metering roll-out, and she oversaw the Customer Service and Metering Divisions with expertise and compassion. We will miss Carole's institutional knowledge and her dedication, but we will miss her for the person she is even more. We wish you the very best in your retirement, Carole, and don't be a stranger!
- Customer Service is engaged in our four-month project with NISC to migrate to Cloud-based iVUE Connect Service for the CSSs. In addition to the training sessions on Connect and using Service Orders, we have weekly project status meetings for the duration of the project as well as several administrative sessions to go through the Connect configuration and security permissions.
- We are working with NISC AMS and graphic designer on bill print changes and graphics for the new TOD rate.
- Once we receive the new tariffs, we can begin the other projects associated with the TOD rollout including customer education, programming the new rates in iVUE and MDM, web site development, etc.



# TOWN OF CONCORD MUNICIPAL UTILITIES

ELECTRIC | WATER | SEWER | TELECOMMUNICATIONS

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## June 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

We are spending time on doing financial analysis of costs to perform installations to help us with our next-generation equipment and services pricing. An external consultant who helped during the formation of Concord Broadband along with several staff are working to update financial models that will help recommend adequate revenue collection to support Concord Broadband's mission.

The network team continues to prepare for the installation of the new XGS-PON equipment, which should be delivered in late August or early September. Power looks good for the new equipment, and we have nearly migrated to all of the 100 Gb/s switches and routers. This month's maintenance will allow for the transfer to the new switches. The routers will be the last upgrade we make.

Lightpath, our new ISP, is nearly fully provisioned. We have confirmed routing is enabled, and we are making use of the IP addresses we obtained from them. The circuit is up and tested, and during our maintenance window on 8/13, we will attempt to use this as our primary circuit.

### Our Commitment to Digital Equity: A Local and State-Wide Effort

We're proud to be a part of a larger, state-wide movement to ensure every resident has access to high-speed internet. This summer, the Healey-Driscoll administration and the Massachusetts Broadband Institute (MBI) announced a significant investment of \$31.5 million to bring reliable, high-speed internet to public and affordable housing units across Massachusetts.

This initiative, funded through the state's Residential Retrofit Program, is a huge step toward bridging the digital divide and ensuring that a lack of adequate infrastructure doesn't prevent anyone from accessing online education, telehealth services, or job opportunities.

As your municipal broadband provider, we share this vision of digital equity. It's why our network is designed to be affordable and accessible, serving every home and business in

### Upcoming Maintenance

A maintenance window is currently scheduled from 3-6am on Wednesday, August 13, 2025. During this period of time, there will be intermittent disruptions of service while our engineers migrate circuits to new equipment.

Learn more on our maintenance page here:

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

our community. We believe that access to modern internet is a fundamental right, not a luxury. The state's investment reinforces our local mission and highlights the importance of publicly-owned networks in achieving these goals.

We are committed to working with state and local partners to ensure our community benefits from every available program and funding opportunity. By investing in our own infrastructure, we're not only providing you with the best possible service but also creating a model for how communities can take control of their digital future.

## Behind the Scenes: How Our Fiber Network Stays Resilient

Have you ever wondered what makes a fiber connection so reliable, even in the face of unpredictable weather? While traditional copper-based internet can be susceptible to electrical interference and signal degradation over long distances, our fiber-optic network is built on a foundation of resilience.

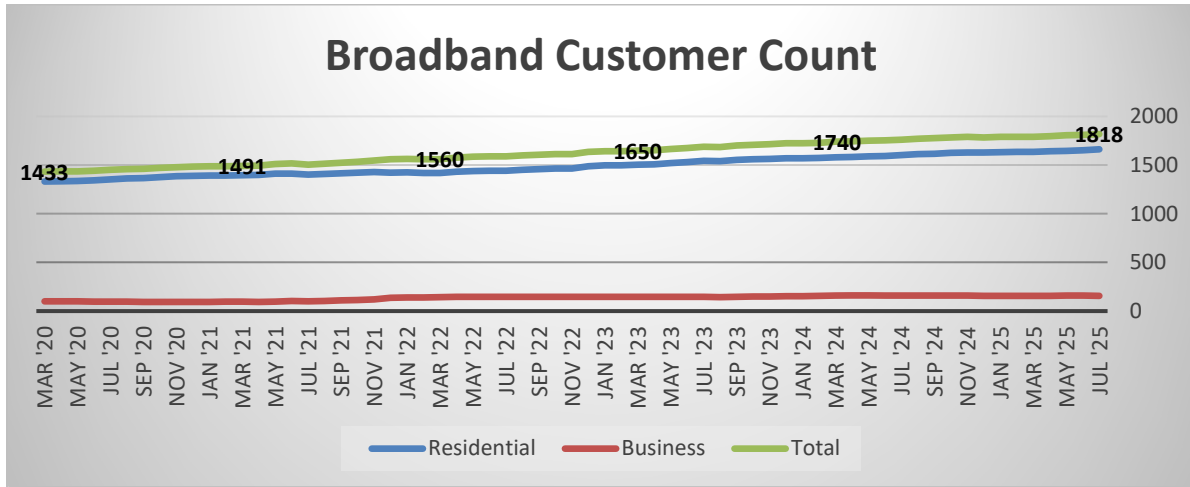
Here are a few of the technical innovations that keep our network running smoothly:

- **Light, Not Electricity:** Fiber optic cables transmit data as pulses of light through tiny glass strands. Since light isn't affected by electromagnetic interference from power lines, thunderstorms, or other electrical sources, your connection remains stable and secure.
- **Bend-Insensitive Fiber:** In the past, a sharp bend in a fiber cable could cause signal loss. However, modern "bend-insensitive" fiber is designed with a special core that maintains signal integrity even when bent at sharp angles. This makes installations in tight spaces, like your home, far more reliable and efficient, ensuring consistent performance.
- **Fusion Splicing for Seamless Connections:** When we connect two fiber cables, we don't just clamp them together. We use a process called "fusion splicing" that uses a specialized machine to melt and fuse the two glass strands together with microscopic precision. This creates a nearly perfect, seamless connection that minimizes signal loss and ensures the fastest speeds possible.

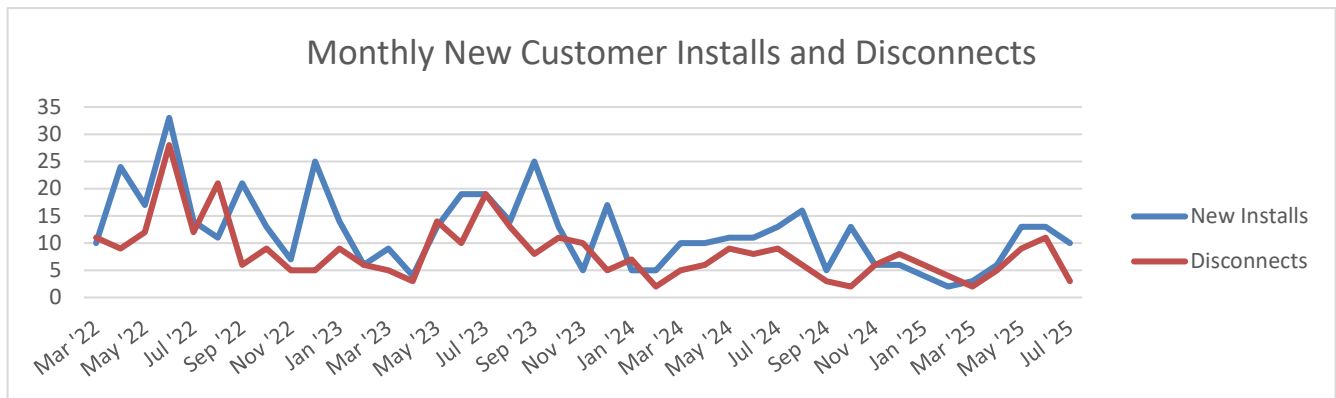
These are just a few of the reasons why our fiber-to-the-home network is the most advanced and dependable internet solution available. It's built to withstand the elements and provide you with a consistent, high-performance connection every day.

Visit <https://concordma.gov/broadband> to learn more or call us at (978) 318-3101.

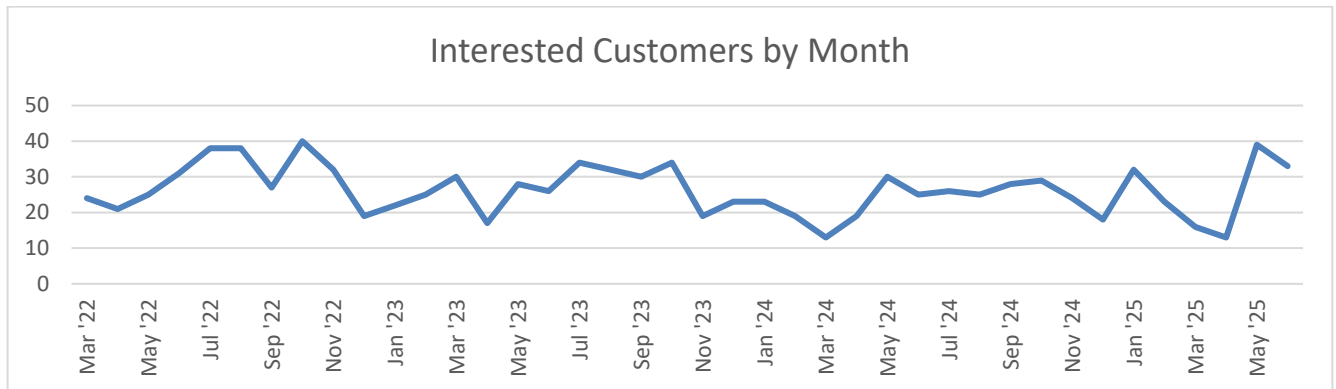
## Monthly Metrics and Business Data



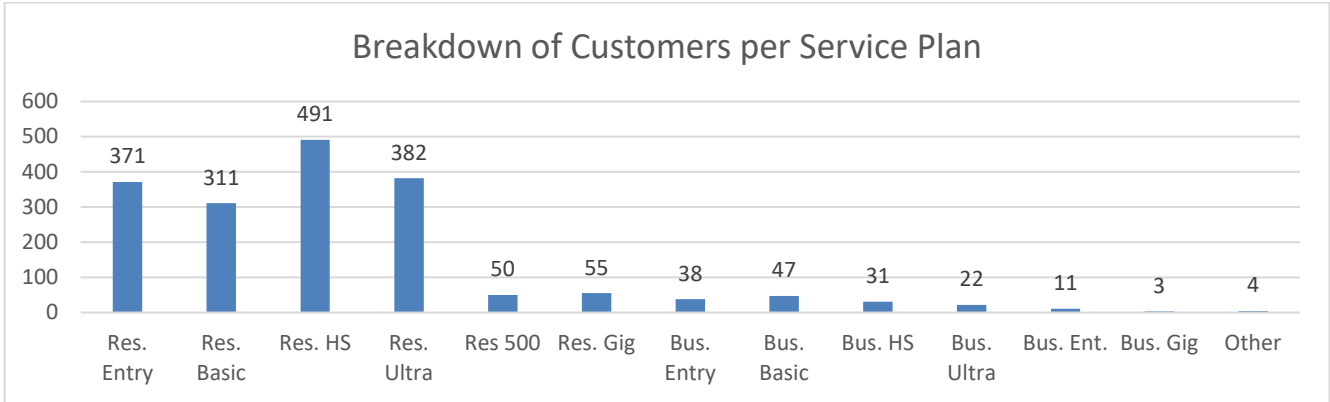
(Customer count: March 2020 – Present)



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

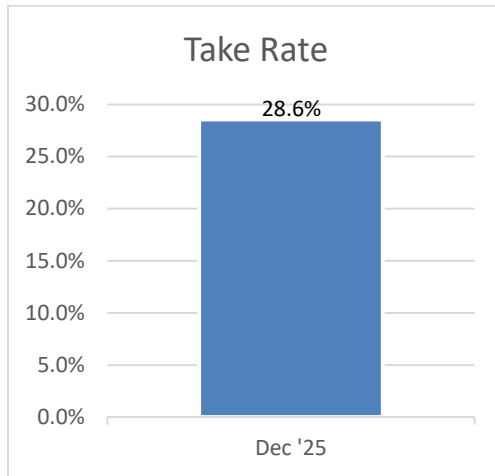
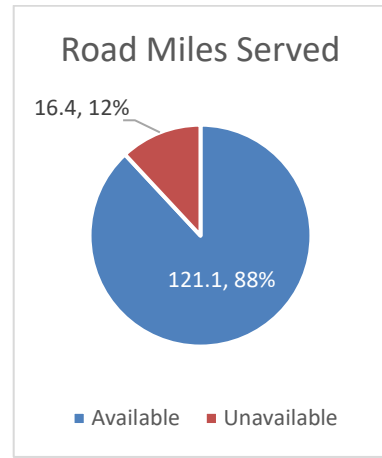
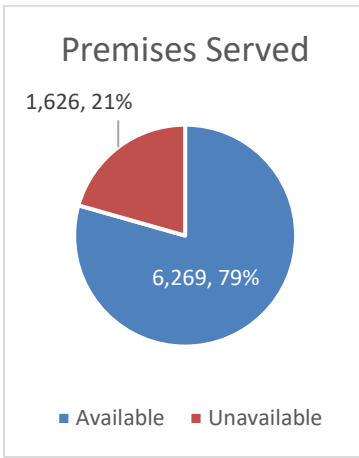
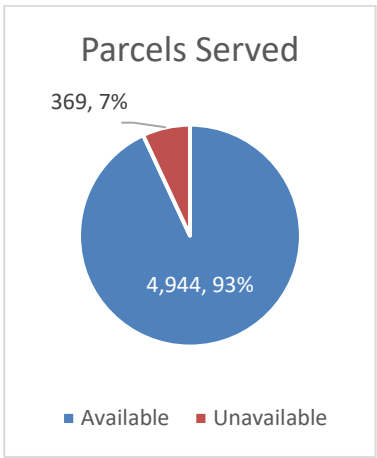


(This is the number of individuals who submit the Broadband interest form, whether they are in the current service area or not.)



*(This is the number of each customer on our different service plans as of 7/31/2025.)*

### Other Metrics



*(As of 2/15/2025)*

## 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

# Concord Municipal Light Plant

Electric Cost of Service Study/Financial Projection

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616 403 5450

# Objectives

- Financial Projection
  - Significant Assumptions
  - Summary Financial Results
  - Debt Coverage Ratio
  - Minimum Cash Levels
  - Target Operating Income
- Review Cost of Service Results
  - Class Cost Results
  - Customer Charges
- Rate Adjustment Plan
- Sample Rate Designs

# Significant Assumptions

Fiscal Year	Inflation	Growth	Purchase Power Change	Investment Income	Utility Funded Capital
2026	3.0%	2.7%	-0.6%	3.0%	7,972,469
2027	3.0%	2.0%	0.7%	0.5%	2,176,673
2028	3.0%	2.0%	-0.9%	0.5%	11,920,806
2029	3.0%	1.1%	0.7%	0.5%	2,005,646
2030	3.0%	0.9%	1.7%	0.5%	2,056,228

# Summary Financial Results (without rate increase)

Fiscal Year	Projected Rate Adjustments	Debt Coverage Ratio	Adjusted Operating Income	Optimal Operating Income	Projected Cash Balances	Recommended Minimum Cash
2026	0.0%	16.59	\$ 4,918,709	\$ 5,401,852	\$ 14,255,149	\$ 12,310,960
2027	0.0%	26.54	\$ 5,010,213	5,543,667	\$ 19,836,880	12,293,205
2028	0.0%	N/A	\$ 5,151,255	6,213,272	\$ 16,449,438	12,195,360
2029	0.0%	N/A	\$ 4,869,407	6,326,562	\$ 22,950,179	12,336,630
2030	0.0%	N/A	\$ 4,626,492	6,442,709	\$ 29,268,875	12,519,953

# Projected Rate Track

Fiscal Year	Projected Rate Adjustments	Debt Coverage Ratio	Adjusted Operating Income	Optimal Operating Income	Projected Cash Balances	Recommended Minimum Cash
2026	0.0%	16.59	\$ 4,918,709	\$ 5,401,852	\$ 14,255,149	\$ 12,310,960
2027	0.0%	26.54	\$ 5,010,213	5,543,667	\$ 19,836,880	12,293,205
2028	0.0%	N/A	\$ 5,151,255	6,213,272	\$ 16,449,438	12,195,360
2029	0.0%	N/A	\$ 4,869,407	6,326,562	\$ 22,950,179	12,336,630
2030	0.0%	N/A	\$ 4,626,492	6,442,709	\$ 29,268,875	12,519,953

# COS Summary Results

---

Description	Cost of Service	Projected Revenues	Effective % Change
Residential	\$ 19,035,462	\$ 17,805,697	7%
Small Commercial	\$ 2,909,827	\$ 2,661,702	9%
Medium Commercial	\$ 5,642,043	\$ 6,100,161	-8%
Large Commercial	\$ 10,517,987	\$ 11,421,355	-8%
Lighting	\$ 427,451	\$ 60,711	604%
	\$ 38,532,770	\$ 38,049,626	1.3%

---

# Monthly Customer Charges

Customer Class	COS Customer Charge	Current Average Customer Charge
Residential (R-1)	\$ 26.68	\$ 20.00
Small General (G-1)	37.48	20.00
Medium General (G-2)	195.47	59.00
Large General (G-3)	891.54	477.00

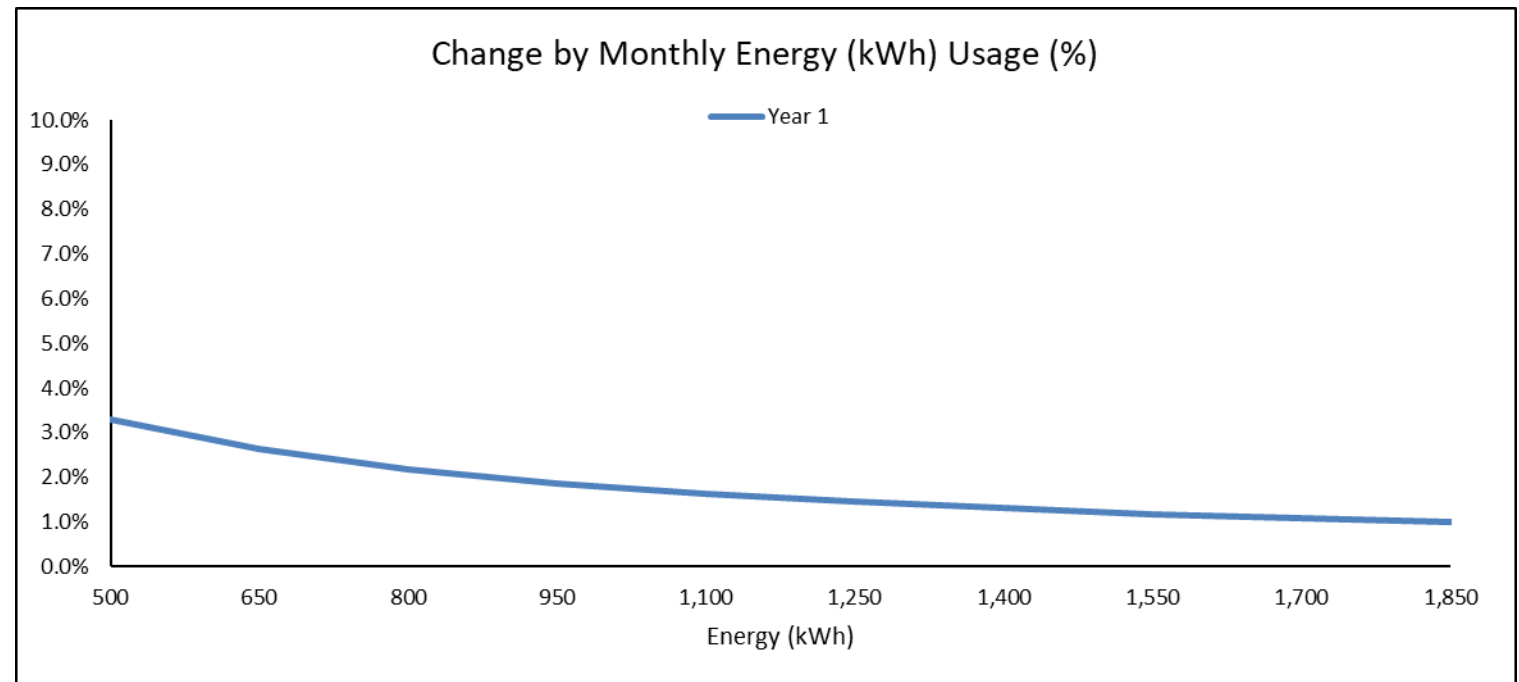
Customer Breakdown		
Distribution Customer Costs	\$	12.66
Transformer Customer Costs		2.28
Substation Customer Costs		-
Meter O&M		3.65
Meter Reading		0.43
Billing		3.49
Services		2.91
Customer Service		1.26
<b>Customer Charge \$/Meter</b>	<b>\$</b>	<b>26.68</b>

# Next Steps

- Proposed Rate Change = 0%
- Suggested Bandwidth to Move Commercial Classes toward Cost of Service = 2%
- Largest Class Increase 2%
- Largest Class Decrease 2%

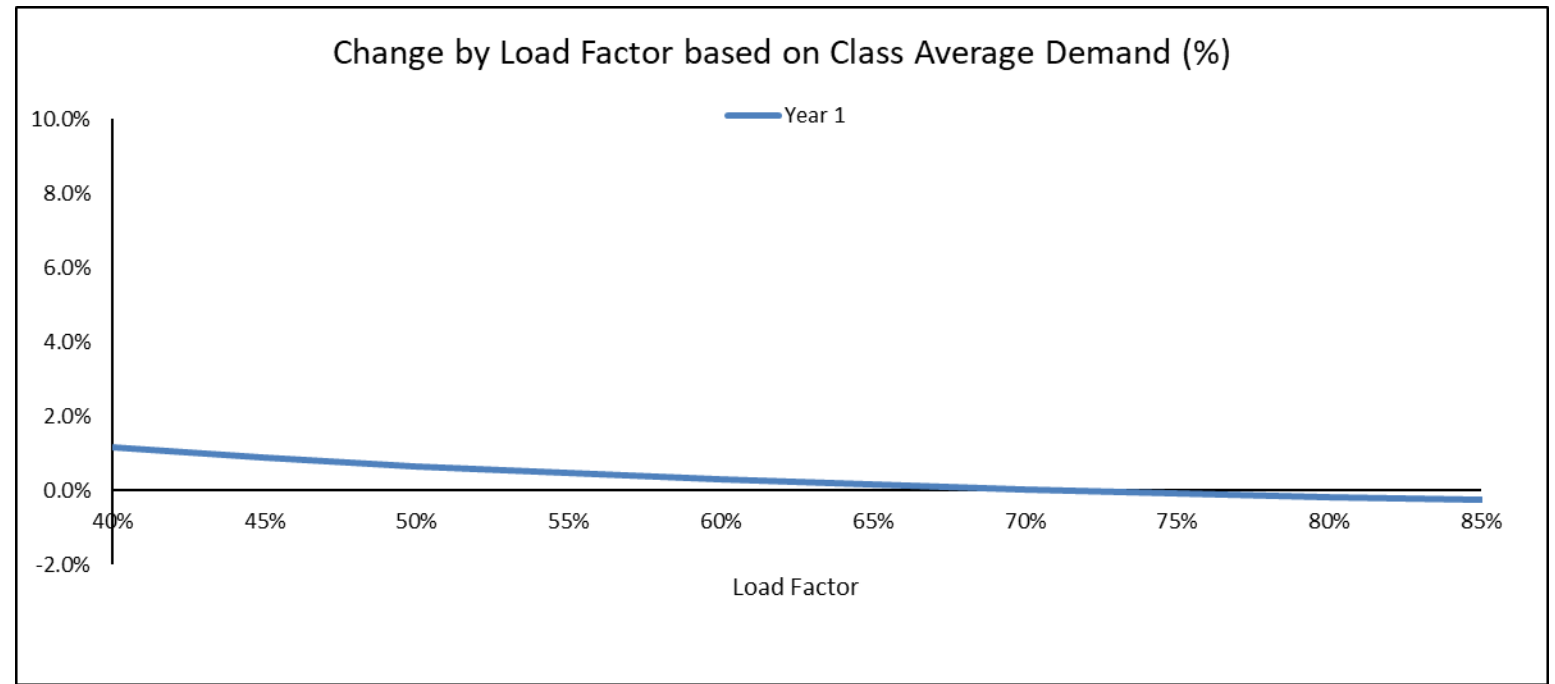
# Sample Small General (SG1) Rate

Rates	Current	Year 1
<b>Monthly Facilities Charge:</b>		
Monthly Charge	\$ 20.00	\$ 24.00
<b>Energy Charge:</b>		
Capacity	\$ 0.05708	\$ 0.05353
Distribution	\$ 0.06561	\$ 0.08302
Energy	\$ 0.08393	\$ 0.06514
<b>Power Cost Adjustment:</b>		
All Energy	\$ (0.00490)	\$ -
Underground Adder	\$ 37,951	\$ 38,710
<hr/>		
Revenue from Rate	\$ 2,568,035	\$ 2,619,396
Change from Previous		2.0%



# Sample Medium General (MG1) Rate

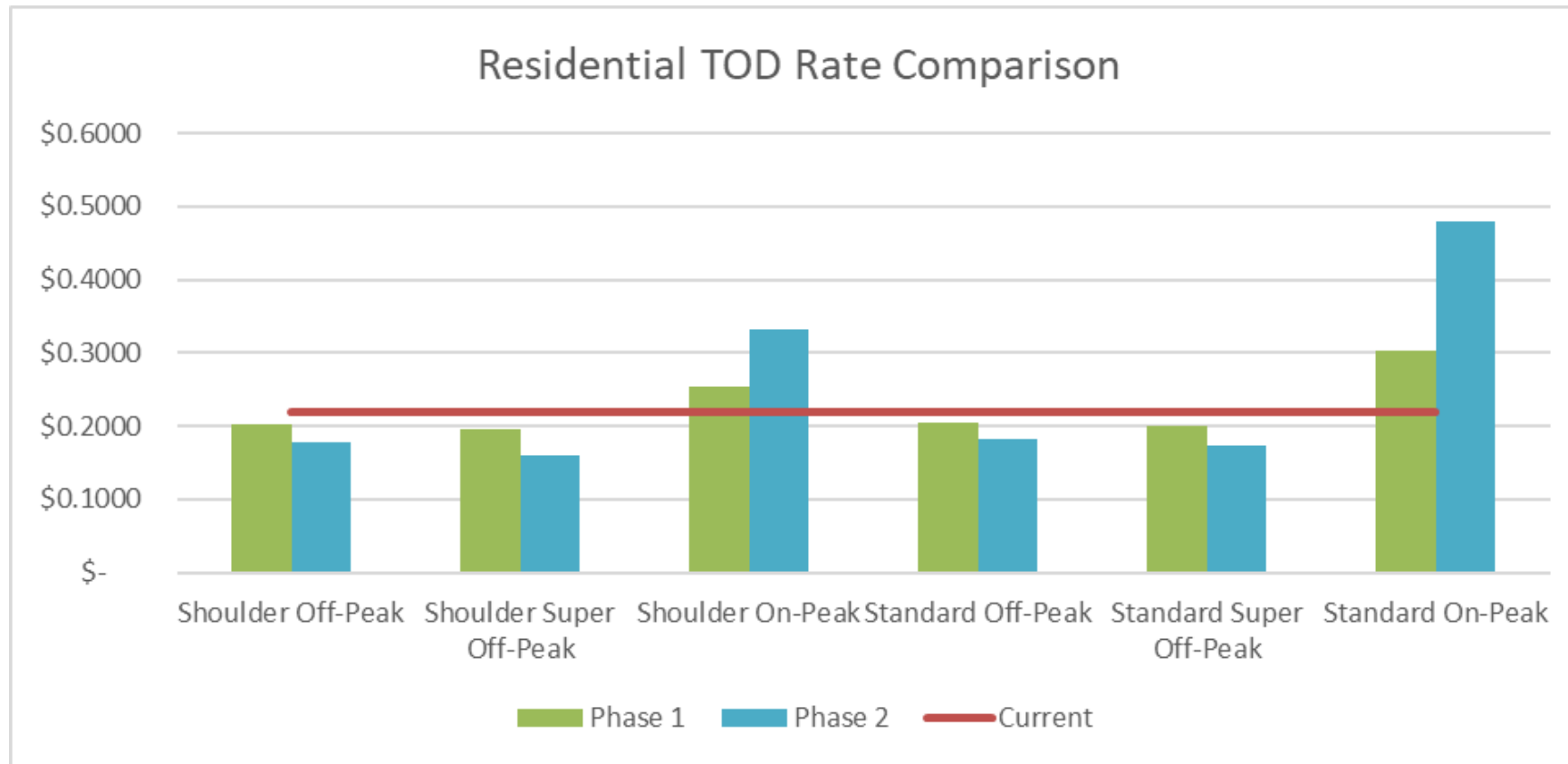
Rates	Current	Year 1
<b>Monthly Facilities Charge:</b>		
Monthly Charge	\$ 59.00	\$ 90.00
<b>Energy Based Charge:</b>		
Capacity	\$ 0.04209	\$ 0.04554
Distribution	\$ 0.06561	\$ 0.07417
Energy	\$ 0.08393	\$ 0.06370
All Energy	\$ 0.19163	\$ 0.18342
<b>Demand Charge</b>		
Distribution Demand	\$ 9.56	\$ 10.56
<b>Power Cost Adjustment:</b>		
All Energy	\$ (0.00490)	\$ -
Underground Adder	\$ 68,907	\$ 69,591
Revenue from Rate	\$ 4,662,733	\$ 4,639,419
Change from Previous		-0.5%



# Residential Time-of-Day (TOD) – Set Up

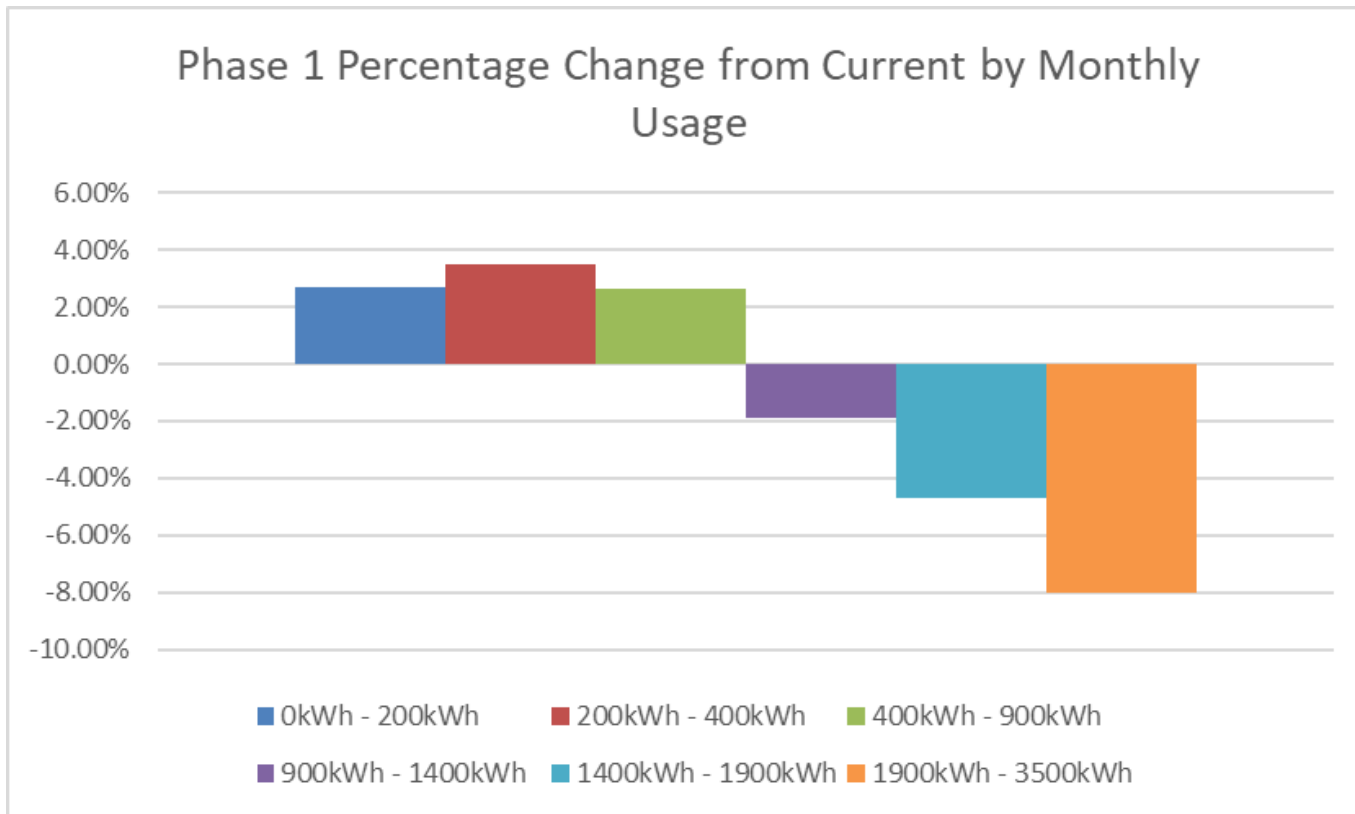
Set Up TOU Periods (Months 1=Jan....12=Dec)													
Hour Ending	Standard 1	Standard 2	Shoulder 3	Shoulder 4	Standard 5	Standard 6	Standard 7	Standard 8	Standard 9	Shoulder 10	Shoulder 11	Standard 12	
1.0	1	1	1	1	1	1	1	1	1	1	1	1	1
2.0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.0	1	1	1	1	1	1	1	1	1	1	1	1	1
7.0	1	1	1	1	1	1	1	1	1	1	1	1	1
8.0	1	1	1	1	1	1	1	1	1	1	1	1	1
9.0	1	1	1	1	1	1	1	1	1	1	1	1	1
10.0	1	1	1	1	1	1	1	1	1	1	1	1	1
11.0	1	1	1	1	1	1	1	1	1	1	1	1	1
12.0	1	1	1	1	1	1	1	1	1	1	1	1	1
13.0	1	1	1	1	1	1	1	1	1	1	1	1	1
14.0	1	1	1	1	1	1	1	1	1	1	1	1	1
15.0	1	1	1	1	1	1	1	1	1	1	1	1	1
16.0	2	2	2	2	2	2	2	2	2	2	2	2	2
17.0	2	2	2	2	2	2	2	2	2	2	2	2	2
18.0	2	2	2	2	2	2	2	2	2	2	2	2	2
19.0	2	2	2	2	2	2	2	2	2	2	2	2	2
20.0	1	1	1	1	1	1	1	1	1	1	1	1	1
21.0	1	1	1	1	1	1	1	1	1	1	1	1	1
22.0	1	1	1	1	1	1	1	1	1	1	1	1	1
23.0	1	1	1	1	1	1	1	1	1	1	1	1	1
24.0	1	1	1	1	1	1	1	1	1	1	1	1	1
Super Off-Peak				0									
Off-Peak				1									
On-Peak				2									

# Residential Time-of-Day Rate (revenue neutral)



Does not include adders (Underground, PCA, PASNY etc.)

# Residential Time-of-Day Effects (Current - Phase 1)



Usage (kWh)	Average Monthly \$ Change	Count
0kWh - 200kWh	\$ 1.38	38
200kWh - 400kWh	\$ 2.92	116
400kWh - 900kWh	\$ 3.90	207
900kWh - 1400kWh	\$ (5.00)	77
1400kWh - 1900kWh	\$ (17.50)	20
1900kWh - 3500kWh	\$ (48.37)	12

Usage (kWh)	Average Monthly \$ Change	Count
0kWh - 200kWh	\$ 3.88	38
200kWh - 400kWh	\$ 5.19	116
400kWh - 900kWh	\$ 5.55	207
900kWh - 1400kWh	\$ (6.49)	77
1400kWh - 1900kWh	\$ (21.60)	20
1900kWh - 3500kWh	\$ (61.17)	12

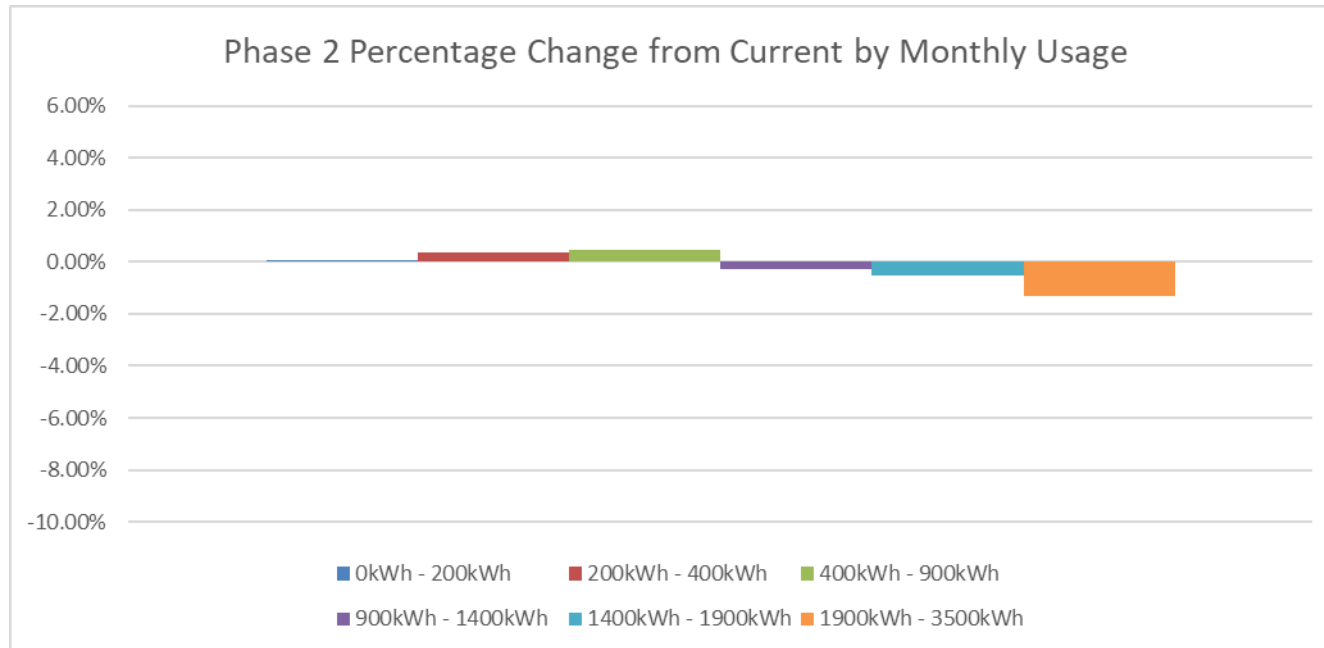
With \$23 monthly facilities charge

# Residential Time-of-Day Effects Monthly \$ (Current - Phase 1)

Rank	Decrease %	Annual \$	Monthly \$
1	-11.21%	\$ (872.81)	\$ (72.73)
2	-9.16%	\$ (784.25)	\$ (65.35)
3	-8.09%	\$ (740.62)	\$ (61.72)
4	-8.56%	\$ (709.75)	\$ (59.15)
5	-8.48%	\$ (673.55)	\$ (56.13)
6	-7.97%	\$ (583.78)	\$ (48.65)
7	-7.50%	\$ (533.50)	\$ (44.46)
8	-7.98%	\$ (489.55)	\$ (40.80)
9	-7.13%	\$ (461.96)	\$ (38.50)
10	-6.33%	\$ (439.23)	\$ (36.60)
11	-6.29%	\$ (349.08)	\$ (29.09)
12	-6.82%	\$ (327.48)	\$ (27.29)
13	-5.70%	\$ (326.94)	\$ (27.25)
14	-6.30%	\$ (312.88)	\$ (26.07)
15	-6.18%	\$ (309.08)	\$ (25.76)

Rank	Increase %	Annual \$	Monthly \$
1	3.88%	\$ 85.28	\$ 7.11
2	6.12%	\$ 84.71	\$ 7.06
3	3.84%	\$ 84.20	\$ 7.02
4	4.46%	\$ 83.66	\$ 6.97
5	3.92%	\$ 83.46	\$ 6.95
6	2.83%	\$ 78.94	\$ 6.58
7	4.34%	\$ 78.92	\$ 6.58
8	3.42%	\$ 78.32	\$ 6.53
9	4.11%	\$ 78.26	\$ 6.52
10	4.54%	\$ 77.26	\$ 6.44
11	3.82%	\$ 76.99	\$ 6.42
12	3.12%	\$ 76.19	\$ 6.35
13	3.76%	\$ 73.82	\$ 6.15
14	4.35%	\$ 71.75	\$ 5.98
15	3.50%	\$ 71.71	\$ 5.98

# Residential Time-of-Day Effects (Phase 1 – Phase 2)



Usage (kWh)	Average Monthly \$	
	Change	Count
0kWh - 200kWh	\$ 0.01	38
200kWh - 400kWh	\$ 0.30	116
400kWh - 900kWh	\$ 0.72	207
900kWh - 1400kWh	\$ (0.74)	77
1400kWh - 1900kWh	\$ (1.85)	20
1900kWh - 3500kWh	\$ (7.43)	12

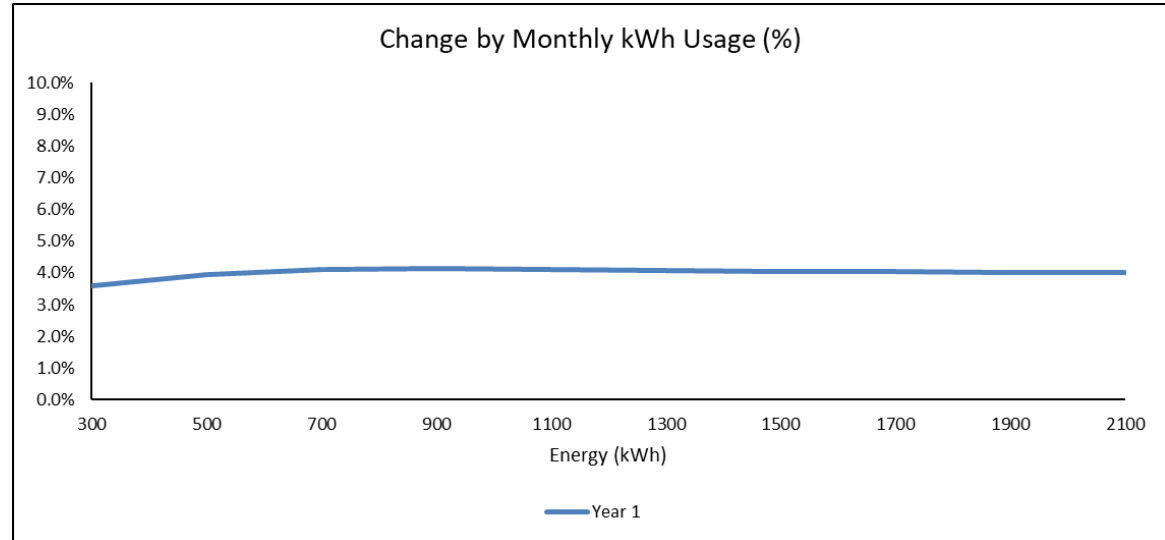
# Residential Time-of-Day Effects Monthly \$ (Phase 1 - Phase 2)

Rank	Decrease %	Annual \$	Monthly \$
1	-4.79%	\$ (330.95)	\$ (27.58)
2	-2.60%	\$ (202.43)	\$ (16.87)
3	-3.45%	\$ (194.66)	\$ (16.22)
4	-4.78%	\$ (164.13)	\$ (13.68)
5	-3.65%	\$ (163.47)	\$ (13.62)
6	-3.29%	\$ (134.25)	\$ (11.19)
7	-1.78%	\$ (129.35)	\$ (10.78)
8	-2.58%	\$ (120.09)	\$ (10.01)
9	-1.56%	\$ (118.60)	\$ (9.88)
10	-2.47%	\$ (109.06)	\$ (9.09)
11	-3.13%	\$ (106.55)	\$ (8.88)
12	-2.24%	\$ (105.22)	\$ (8.77)
13	-1.45%	\$ (97.72)	\$ (8.14)
14	-4.71%	\$ (95.48)	\$ (7.96)
15	-2.42%	\$ (93.93)	\$ (7.83)

Rank	Increase %	Annual \$	Monthly \$
1	3.07%	\$ 152.69	\$ 12.72
2	5.04%	\$ 144.61	\$ 12.05
3	5.21%	\$ 118.60	\$ 9.88
4	4.32%	\$ 108.64	\$ 9.05
5	3.29%	\$ 107.65	\$ 8.97
6	3.63%	\$ 106.91	\$ 8.91
7	5.15%	\$ 104.17	\$ 8.68
8	1.52%	\$ 98.61	\$ 8.22
9	3.48%	\$ 82.28	\$ 6.86
10	3.84%	\$ 80.94	\$ 6.75
11	5.49%	\$ 80.63	\$ 6.72
12	3.15%	\$ 79.47	\$ 6.62
13	3.52%	\$ 76.74	\$ 6.40
14	1.58%	\$ 73.28	\$ 6.11
15	2.93%	\$ 72.81	\$ 6.07

# Sample Residential Rate Opt-Out Rate

Rates	Current	Year 1
<b>Monthly Facilities Charge:</b>		
All Customers	\$ 20.00	\$ 20.00
<b>Capacity/Transmission Charge:</b>		
Block 1 (0 - 657 kWh)	\$ 0.05619	\$ 0.06922
Block 2 (658 - 835 kWh)	\$ 0.06928	\$ 0.08231
Block 3 (Excess)	\$ 0.09445	\$ 0.10748
<b>Distribution Charge:</b>		
All Energy	\$ 0.06561	\$ 0.06195
<b>Energy Charge:</b>		
All Energy	\$ 0.08393	\$ 0.07903
<b>Adjustments:</b>		
Power Adjustment	\$ (0.00490)	\$ -
NYPAs Credit	\$ (0.02500)	\$ (0.02500)
Hot Water Credit	\$ (10.00)	\$ (10.00)
<b>Underground Charge:</b>		
Annual Total	\$ 257,911.66	\$ 268,719.21
Revenue from Rate	\$ 17,452,022	\$ 18,150,103
Change from Previous		4.0%



Monthly Change	
kWh	Year 1
300	\$ 2.85
500	\$ 4.76
700	\$ 6.66
Average	\$ 8.56
1100	\$ 10.46
1300	\$ 12.37
1500	\$ 14.27

# Value of Solar (VOS) Annual, TOD

## Historical Wholesale Energy Price

Months	Annual Rolling Average (\$/kWh)
60	\$0.059
48	\$0.063
36	\$0.065
24	\$0.047
12	\$0.054

**Total Distribution Adder \$0.12530**

Distribution \$0.08145

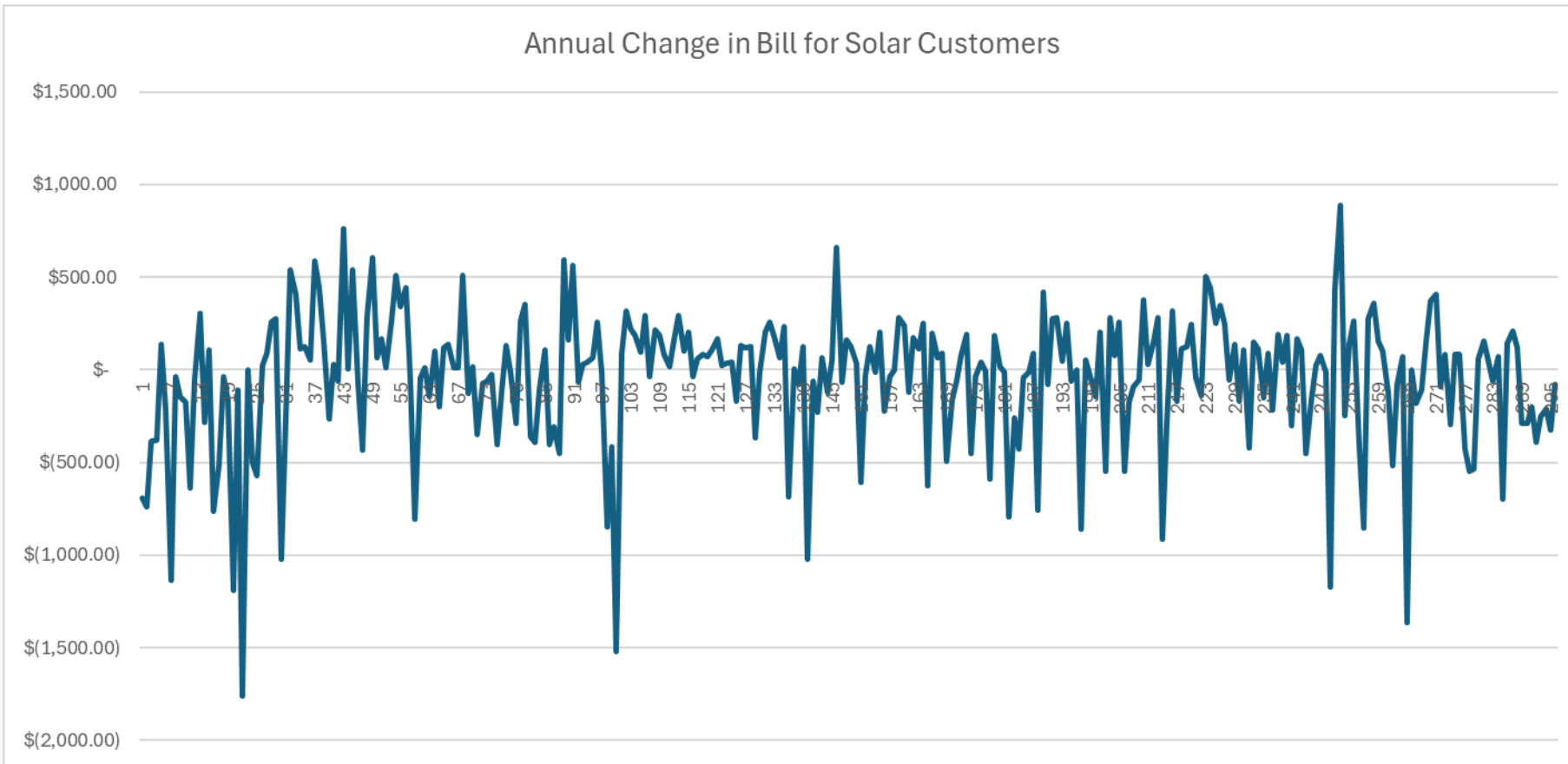
Over Market \$0.03348

RECs \$0.01038

## Solar Compensation = Energy, Transmission , Capacity

TOD Period	\$/kWh
Standard On-Peak	\$0.35455
Standard Off-Peak	\$0.05806
Standard Super Off-Peak	\$0.04860
Shoulder on-Peak	\$0.20647
Shoulder Off-Peak	\$0.05200
Shoulder Super Off-Peak	\$0.03441

# Value of Solar (VOS) Annual, Customer Impacts

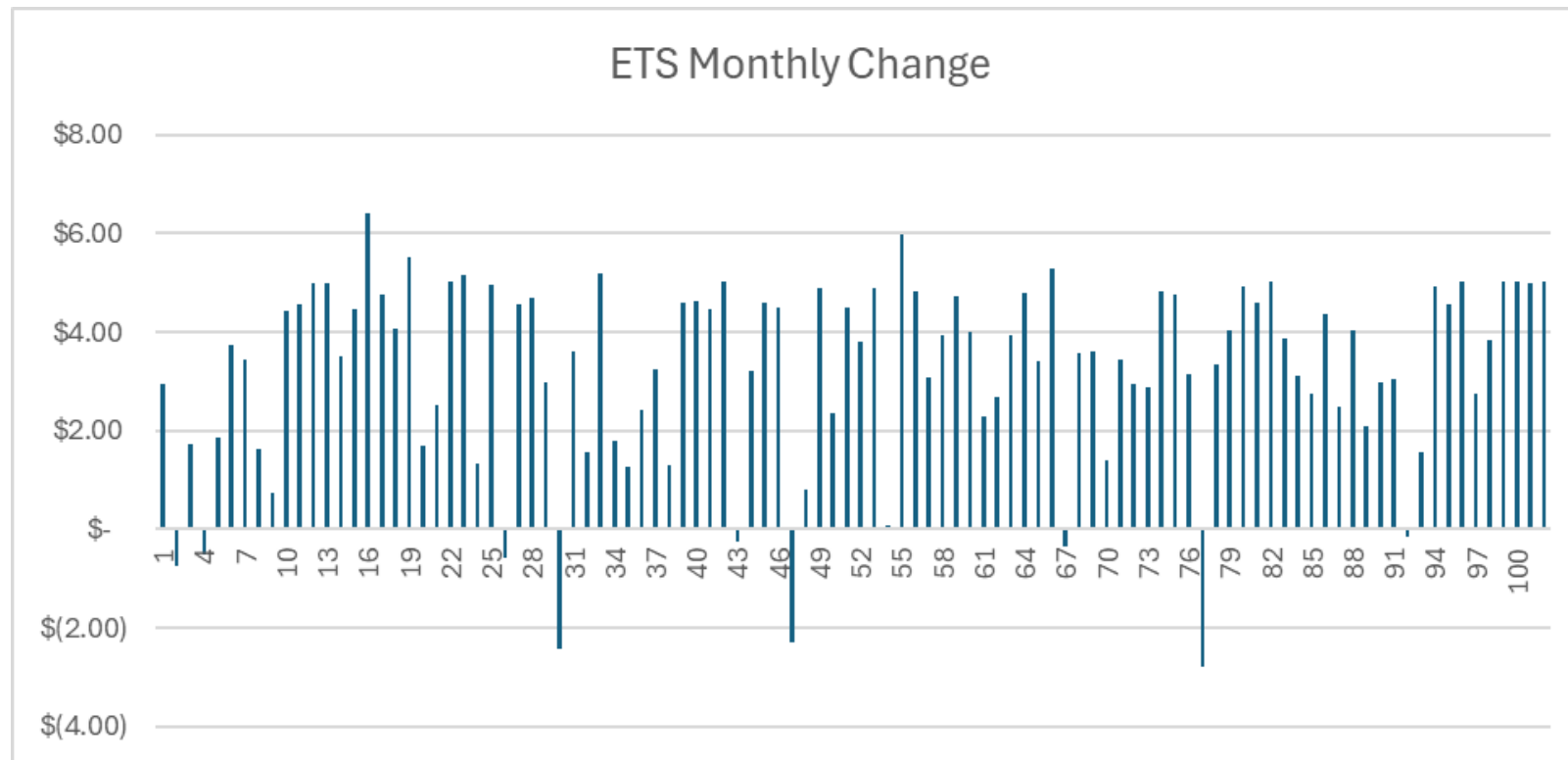


Average Savings:  
Annual - \$47.77

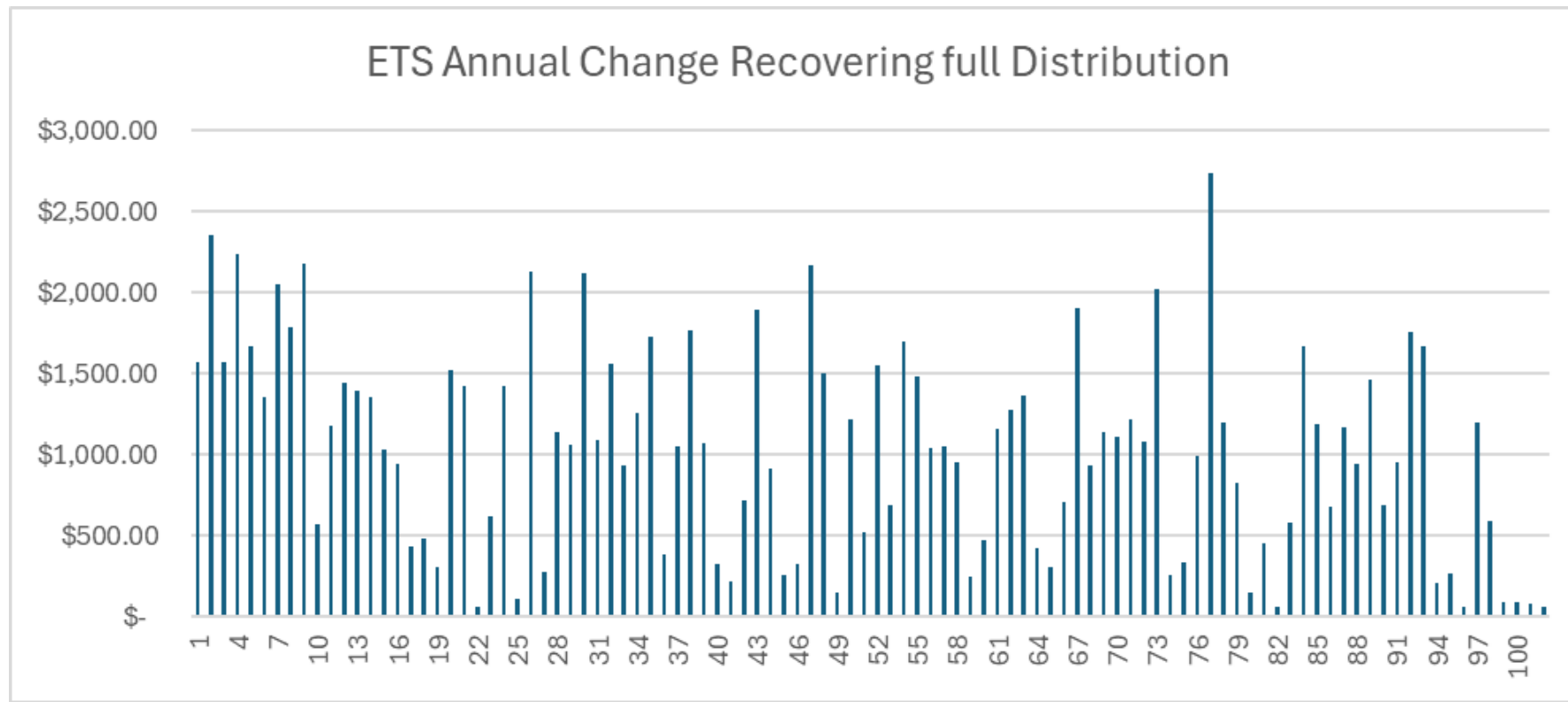




# ETS Year 1 Customer Impacts



# ETS COS Customer Impacts

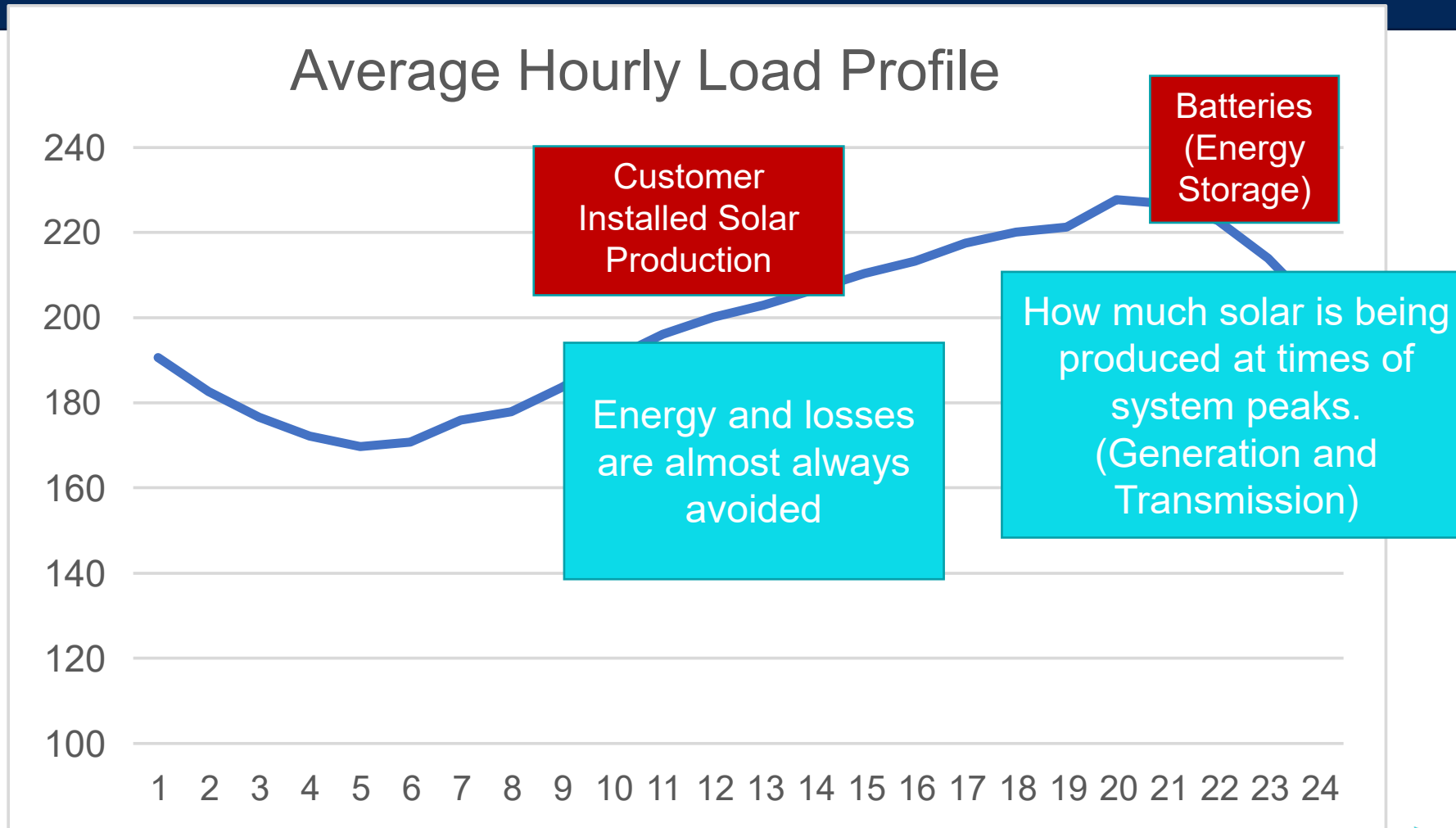


# Private Area Lighting

Lighting	Monthly Rate	Adjusted Monthly Rate	Current Rate	Proposed Rate
175W Metal Halide USPS	24.03	17.51	\$ 22.73	\$ 21.73
250W Metal Halide St. B Church	28.79	20.97	\$ 25.57	\$ 24.57
250W Metal Halide Demaximis	28.79	20.97	\$ 25.57	\$ 24.57
250W Metal Halide Nash CC	28.79	20.97	\$ 25.57	\$ 24.57
250W Metal Halide USPS	28.92	21.06	\$ 25.57	\$ 24.57
400W Metal Halide Concord Academy	37.99	27.68	\$ 19.15	\$ 20.15
400W LED School	36.37	26.49	\$ 35.00	\$ 34.00
<b>Adjusment to match COS</b>				
			<b>-27%</b>	

# Avoided Cost Rates for Solar and Dispatchable Generation

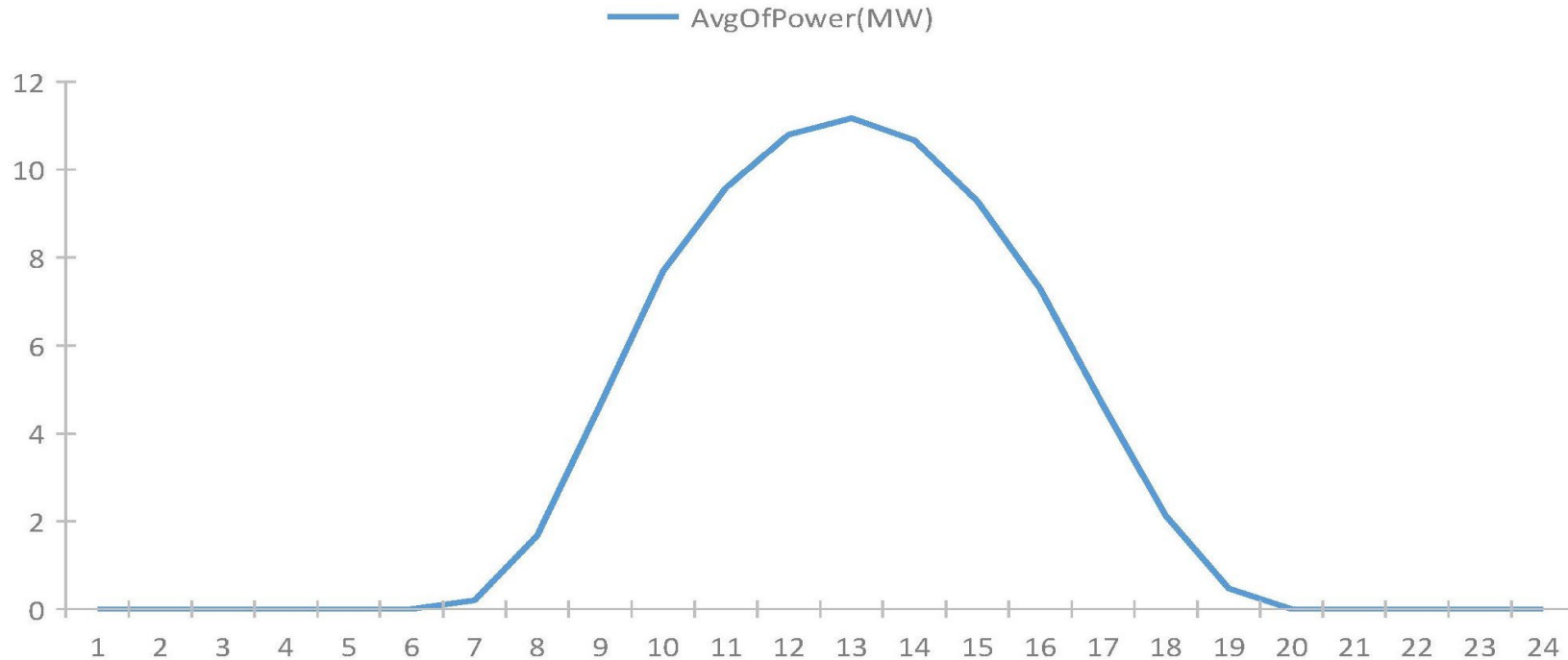
# How Avoided Costs are Determined



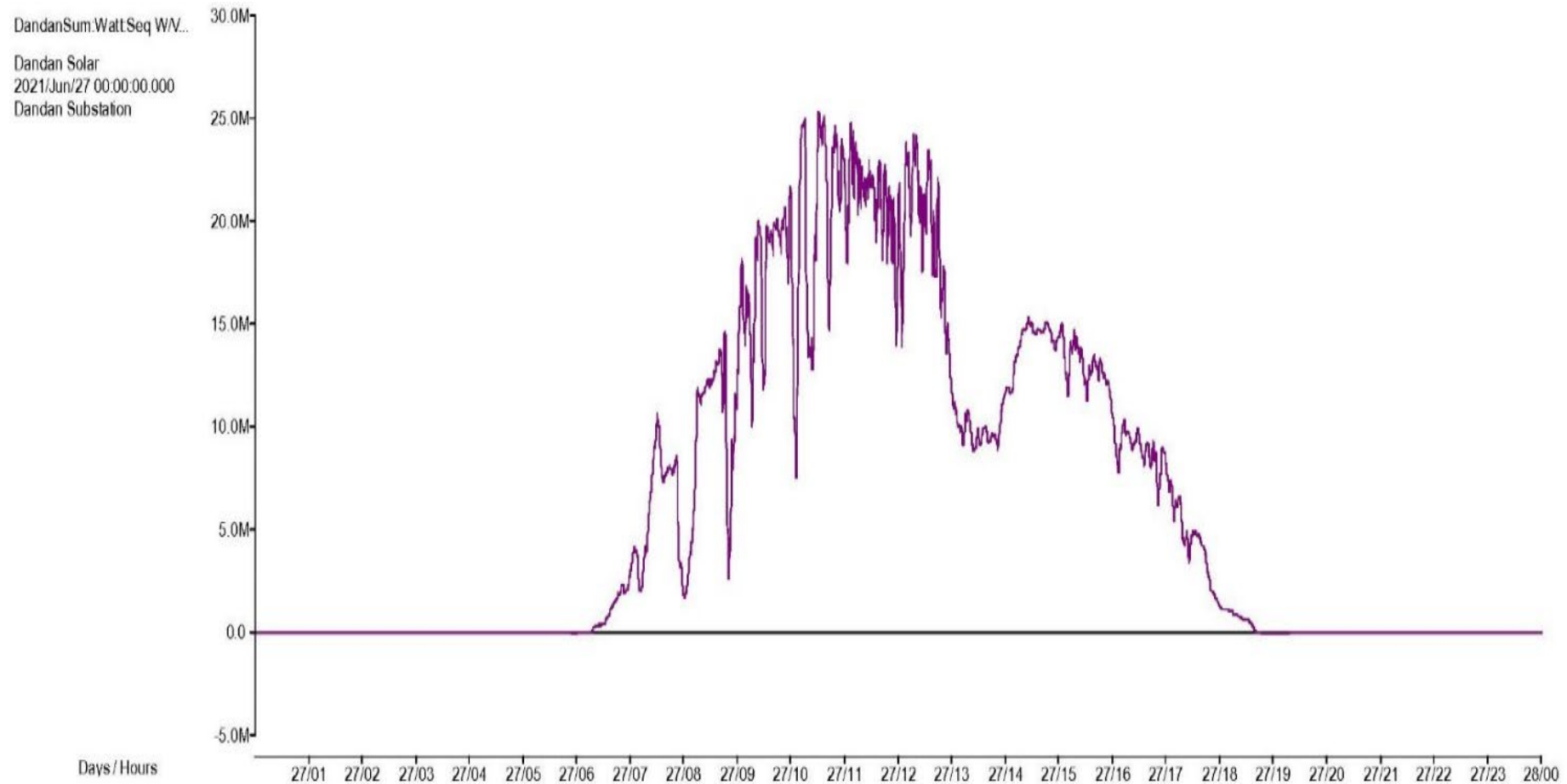
# Solar Production

## Perceived Solar Production Profile

Solar Production - Average Hourly - All Year

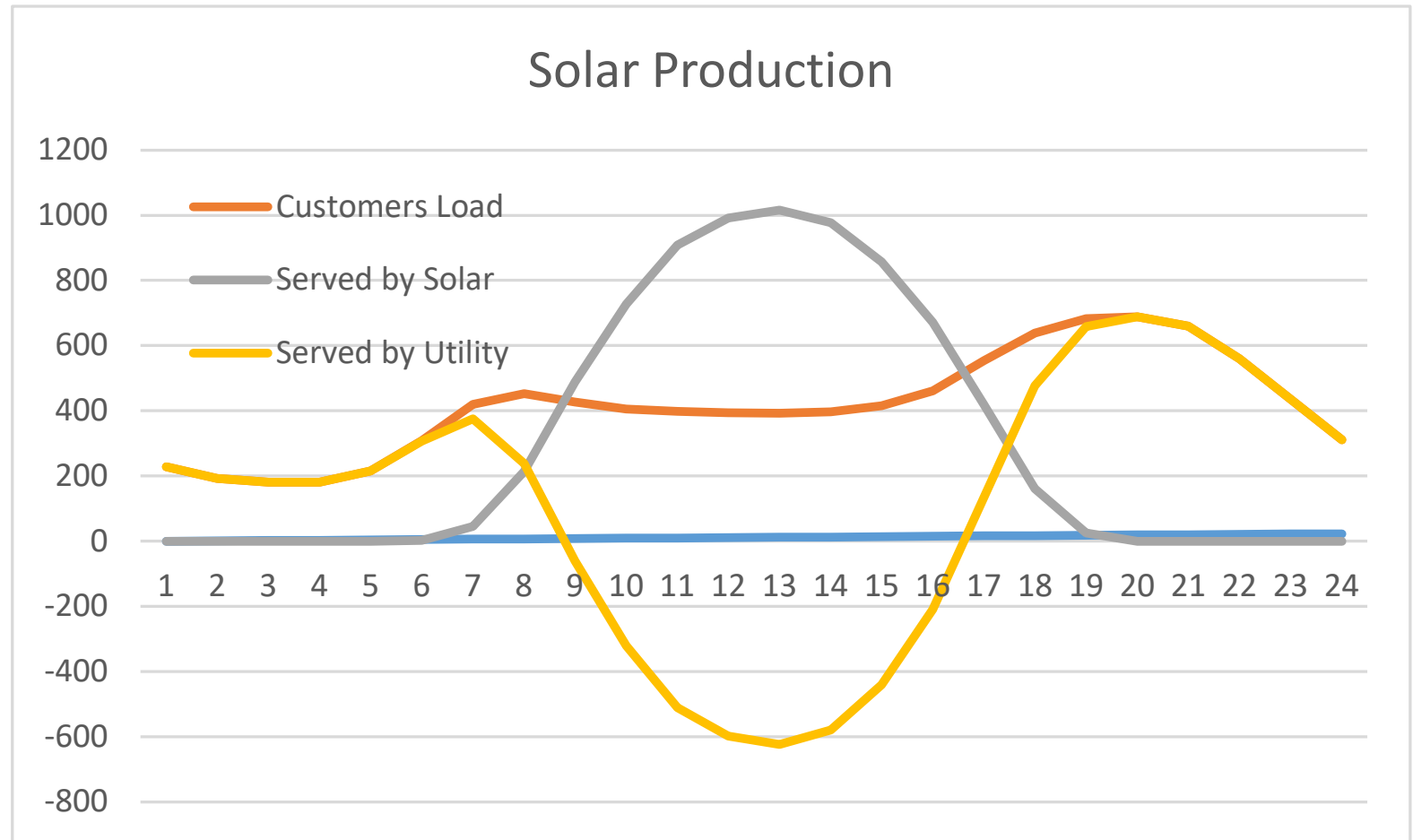


# Actual Solar Production



# Determination of Utility Energy and Solar Energy

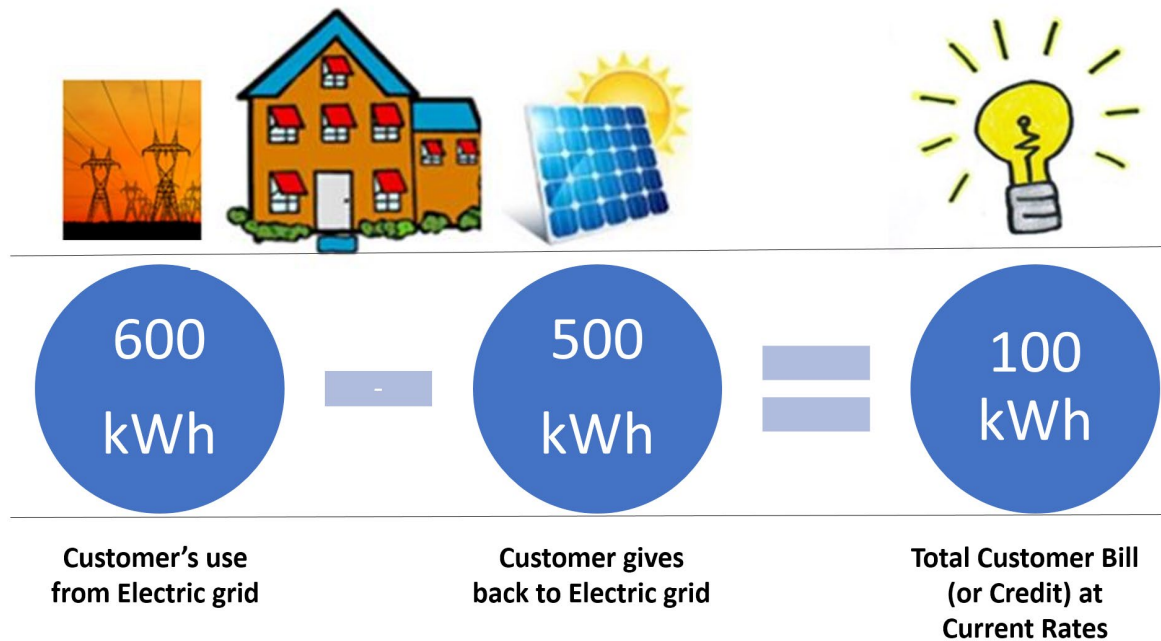
Hour	Customers Load	Served by Solar	Served by Utility	Exported to System
0	229	-	229	-
1	193	-	193	-
2	180	-	180	-
3	182	-	182	-
4	215	-	215	-
5	308	2	307	-
6	420	45	375	-
7	453	214	238	(12)
8	427	488	(61)	(160)
9	406	727	(321)	(369)
10	398	909	(510)	(540)
11	394	991	(598)	(619)
12	392	1,016	(624)	(642)
13	397	977	(580)	(599)
14	416	856	(441)	(467)
15	461	671	(210)	(261)
16	554	418	136	(45)
17	638	161	477	(0)
18	683	25	658	-
19	689	0	689	-
20	659	-	659	-
21	560	-	560	-
22	435	-	435	-
23	312	-	312	-
<b>Total</b>	<b>10,000</b>	<b>7,500</b>	<b>2,500</b>	<b>(3,713)</b>



# Types of Avoided Cost Value Rate Structures for Solar

- Net Metering
- Net Billing
- Buy all; sell all
- Hybrids

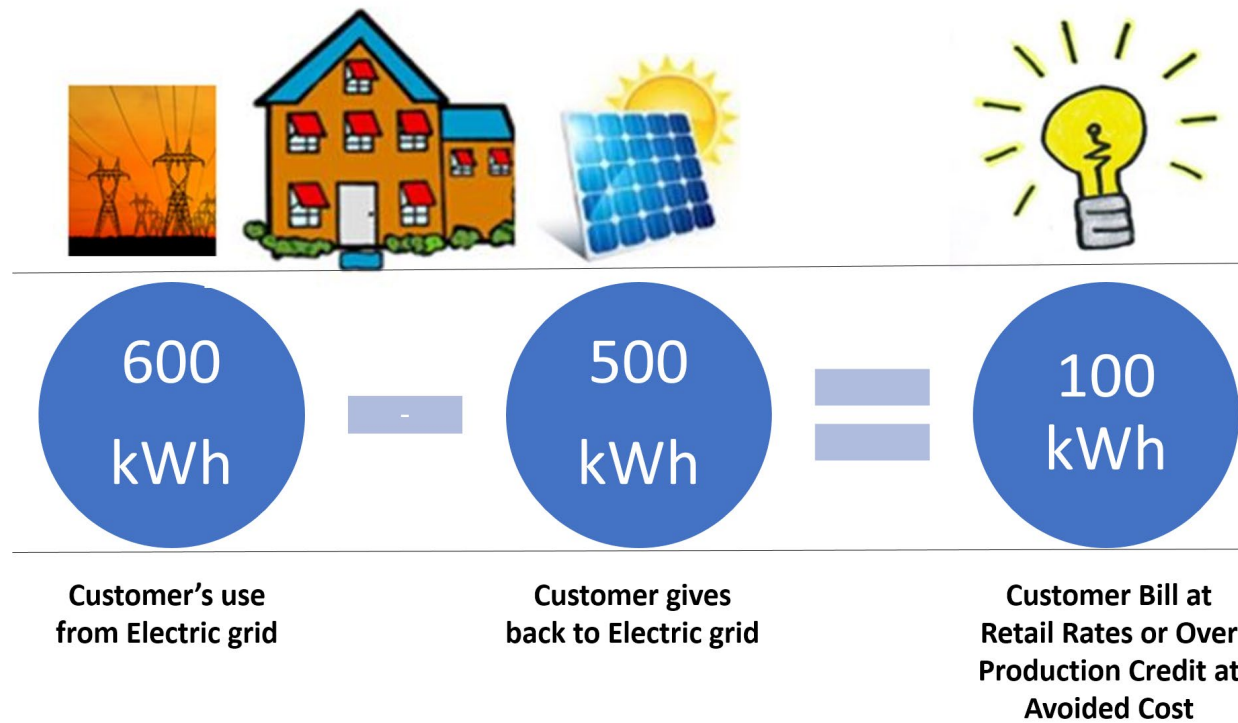
# Net Metering



**Example:** Local utility provided 600 kWh to customer and customer provided back 500 kWh's.

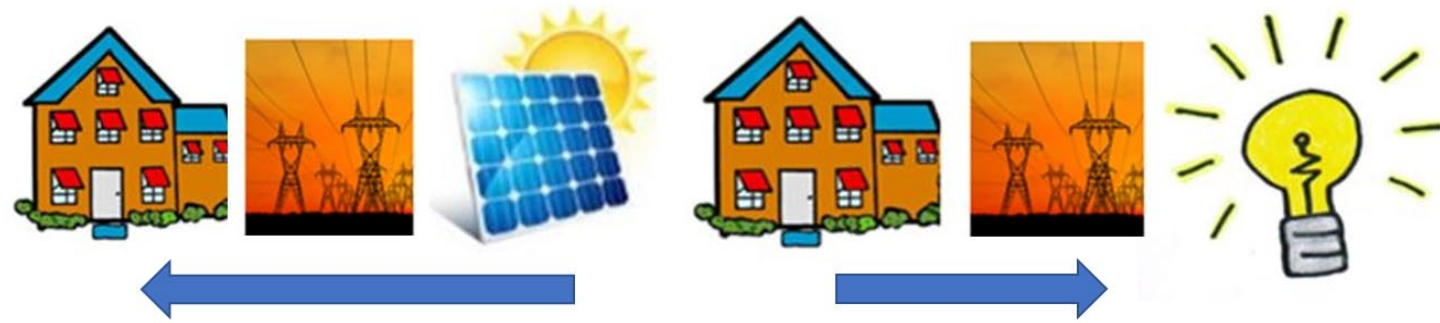
Customer is billed at net (100 kWh's) at retail rate

# Net Billing



**Example:** Customer takes 600 kWh's from utility and gives back 500 kWh's

# Buy All, Sell All



Customer's use  
from Electric grid at  
Retail Rates

Total Generation  
from Solar Panel at  
Retail Rates

Customer gives  
back to Electric Grid  
at Retail Rates

Billed at Retail Rates

Credit at  
Avoided Cost

# Residential Charges

	Net Metering	W/O Net Metering	Net Billing	Buy All; Sell All
Meter in	600	900	600	600
Meter Out	500	-	500	500
Production from Solar Unit	800	-	800	800
Customers Usage	900	900	900	900
<b>Customer KWH Usage for billing</b>	<b>100</b>	<b>900</b>	<b>600</b>	<b>900</b>
<b>Utility Rates</b>				
Facilities Charge	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
<b>Energy Rates KWH</b>				
First 500 kWh's	0.08000	0.08000	0.08000	0.08000
Excess kWh's	0.12000	0.12000	0.12000	0.12000
PCA	0.01000	0.01000	0.01000	0.01000
Value of Solar	0.06500	0.06500	0.06500	0.06500
<b>Customer Charges</b>				
Facilities Charge	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
First Block Charges	8.00	40.00	40.00	40.00
Second Block Charges	-	48.00	12.00	48.00
PCA	1.00	9.00	6.00	9.00
Credit for Value of Solar			(32.50)	(52.00)
<b>Total Charge</b>	<b>\$ 18.00</b>	<b>\$ 106.00</b>	<b>\$ 34.50</b>	<b>\$ 54.00</b>

# Questions?



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R TOD  
RESIDENTIAL TIME OF DAY RATE**

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Mass DPU No. 501  
Replaces Mass DPU No. 497

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Effective: January 1, 2026

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**")

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences, condominium units, condominium common area facilities and individually metered apartment units.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising, which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$20.00 per month
<b>STANDARD</b>	<b>Jan-Feb; May-Sep; Dec</b>
On-Peak	\$0.30315 per kWh
Off-Peak	\$0.20432 per kWh
Super Off-Peak	\$0.20117 per kWh
<b>SHOULDER</b>	<b>Mar-Apr; Oct-Nov</b>
On-Peak	\$0.25379 per kWh
Off-Peak	\$0.20230 per kWh
Super Off-Peak	\$0.19644 per kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Peak	Monday through Friday	3 p.m. to 7 p.m.
Off-Peak	Monday through Friday	5 a.m. to 3 p.m. and 7 p.m. to 1 a.m.
Super Off-Peak	Monday through Sunday	1 a.m. to 5 a.m.
Off-Peak	Saturday and Sunday	All hours except 1 a.m. to 5 a.m.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

RATE R-1  
RESIDENTIAL SERVICE

Mass DPU No. 502

Effective: January 1, 2026

Replaces Mass DPU No. 496

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences, condominium units, condominium common area facilities and individually metered apartment units.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising, which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge (Single Phase)	\$20.00 per month
Capacity and Transmission Charge:	
First 657 kWhs	\$0.06923 per kWh
Next 178 kWhs	\$0.08231 per kWh
All in excess of 835 kWhs	\$0.10749 per kWh
Distribution Charge	\$0.06191 per kWh
Energy Charge	\$0.07903 per kWh

The above rates per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-EV SM  
RESIDENTIAL SERVICE – ELECTRIC VEHICLE CHARGING SEPARATE METER**

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Mass DPU No. 509  
Replaces Mass DPU No. 500

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Effective: January 1, 2026

The Electric Vehicle Charging Separate Meter rate (R-EV SM) is an optional residential rate for customers with a separate meter installed for the sole purpose of charging one or more electric vehicles. Customers choosing Rate R-EV SM will pay the Time of Day charges in Rate R TOD, but will pay a lower meter fee for the second meter. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by individual (single family) private residences, condominium units, condominium common area facilities and individually metered apartment units exclusively for electric vehicle charging for domestic purposes, measured using a separate, secondary meter.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising, which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$9.00 per month
<b>STANDARD</b>	<b>Jan-Feb; May-Sep; Dec</b>
On-Peak	\$0.30315 per kWh
Off-Peak	\$0.20432 per kWh
Super Off-Peak	\$0.20117 per kWh
<b>SHOULDER</b>	<b>Mar-Apr; Oct-Nov</b>
On-Peak	\$0.25379 per kWh
Off-Peak	\$0.20230 per kWh

Super Off-Peak \$0.19644 per kWh

The above rates per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Peak	Monday through Friday	3 p.m. to 7 p.m.
Off-Peak	Monday through Friday	5 a.m. to 3 p.m. and 7 p.m. to 1 a.m.
Super Off-Peak	Monday through Sunday	1 a.m. to 5 a.m.
Off-Peak	Saturday and Sunday	All hours except 1 a.m. to 5 a.m.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-1  
SMALL GENERAL SERVICE**

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Mass DPU No. 503  
Replaces Mass DPU No. 491

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Effective: January 1, 2026

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for small general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by commercial and municipal customers (the "Customer") for lighting, power and any other purpose, other than residential service as defined in Rate R Schedules, where the Customer's maximum metered demand is less than 20.0 k W. If the Customer's monthly metered energy exceeds 4,000 kilowatt-hours for four consecutive months, the CMLP may install demand metering equipment. If the maximum metered demand is 20.0 kW or greater for any two months during any twelve month period, the CMLP will transfer the Customer to the then applicable general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at the CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$24.00 per month
Customers requiring three phase service shall pay a one-time fee of \$200 to cover additional meter costs	
Capacity and Transmission Charge:	\$0.05353 per kWh
Distribution Charge	\$0.08302 per kWh
Energy Charge	\$0.06514 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

RATE G-2  
MEDIUM GENERAL SERVICE

Mass DPU No. 504  
Replaces Mass DPU No. 492

Effective: January 1, 2026

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for medium general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by commercial and municipal customers (the "Customer") for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered demand is equal to or greater than 20 kW, but less than 200 kW, for any two months during any twelve month period.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, of the standard voltages available from the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$90.00 per month
Demand Rate	\$10.56 per billing kW
Capacity and Transmission Charge	\$0.04554 per kWh
Distribution Charge	\$0.07417 per kWh
Energy Charge	\$0.06370 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Determination of Billing Demand**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or
- c) 20 kW.

**Power Factor Adjustment**

The monthly metered kilowatt demand may be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing Demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service. Any Customer, whose service has been changed from Small General Service to this rate schedule at the Customer's request, will be required to remain on this rate schedule for a minimum period of 12 months.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-3  
LARGE GENERAL SERVICE**

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Mass DPU No. 506  
Replaces Mass DPU No.494

Effective: January 1, 2026

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The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for large general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by commercial and municipal customers (the "Customer") for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered on-peak kilowatt demand is equal to or greater than 200 kW at a single metered location. If the metered demand does not exceed 200 kW for a one-year period, the Customer may request assignment to the Medium General Service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, three phase, of the standard voltages available from the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$600 per month
Demand Rate	\$9.57 per billing kW
Transmission and Capacity Charge	\$0.03645 per kWh
Distribution Charge	\$0.07011 per kWh
Energy Rate	\$0.06200 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which are assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge, the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Determination of Billing Demand:**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or
- c) 200 kW

When welding equipment is installed, the excess demand placed on the CMLP system to supply this welding load may be added to the Customer's measured demand.

**Power Factor Adjustment**

The monthly metered kilowatt demand will be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Primary Service Adjustment**

Where service is metered at primary voltage, a discount of two (2) percent of the demand and energy charges (after discount for equipment ownership and exclusive of the purchased power adjustment charge) will be allowed.

**Transformer Ownership**

If the Customer furnishes, installs, owns and maintains at the Customer's expense, all protective devices, transformers and other equipment required for primary voltage service as specified by CMLP, the monthly demand charge will be reduced by \$0.12 per kilowatt of billing demand.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

RATE G-4  
GENERAL SERVICE – ELECTRIC VEHICLE CHARGING

Mass DPU No. 507

Effective: January 1, 2026

Replaces Mass DPU No. 487

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for general service on the basis of this rate schedule. The Purchased Power Cost Adjustment Clause, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric vehicle charging service required by a Customer already taking service under a General Service tariff and offered by the CMLP. The electrical connection of any equipment installed so as to use energy under this rate must be inspected and approved by the CMLP.

This rate schedule is only available for general service.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System.

A second, separate meter will be installed by the CMLP which will record the usage of the electric vehicle charging system. Use recorded on this meter will be billed at the rate indicated below.

**Monthly Rate**

<u>Meter Charge</u>	none	per month
<u>Demand Rate</u>	\$4.00	per billing kW
<b>STANDARD</b>	<b>Jan-Feb; May-Sep; Dec</b>	
On-Peak	\$0.50981	per kWh
Off-Peak	\$0.21332	per kWh
Super Off-Peak	\$0.20386	per kWh
<b>SHOULDER</b>	<b>Mar-Apr; Oct-Nov</b>	
On-Peak	\$0.36173	per kWh
Off-Peak	\$0.20725	per kWh
Super Off-Peak	\$0.18967	per kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formula specified in the Purchased Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Peak	Monday through Friday	3 p.m. to 7 p.m.
Off-Peak	Monday through Friday	5 a.m. to 3 p.m. and 7 p.m. to 1 a.m.
Super Off-Peak	Monday through Sunday	1 a.m. to 5 a.m.
Off-Peak	Saturday and Sunday	All hours except 1 a.m. to 5 a.m.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge, the monthly demand charge, and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Determination of Billing Demand:**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month; or
- b) 95% of the greatest metered or calculated kVA during the month

**Power Factor Adjustment**

The monthly metered kilowatt demand will be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Rate G-4 EV Charge

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**CONTROLLED WATER HEATING CREDIT RIDER**

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Mass DPU No. 510

Effective: January 1, 2026

Replaces Mass DPU No. 488

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**Applicability**

This rate schedule is applicable to Residential and General Service electric service required by the Customer, where the Customer uses electricity as the sole means of heating water for domestic purposes. The only supplemental means of heating water permitted under this rate is solar.

Service to electric water heaters for domestic purposes under this rate rider will be available for a minimum of 18 hours each day.

The electric water heating equipment installed must be approved and controlled by the CMLP and used exclusively for domestic purposes.

**Discount Program Rider**

A credit of \$7.31 shall be applied for each month the Customer meets the requirements listed in the Applicability section above.

**Term of Contract**

Credits under this rider are subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

## CMLP Automatic Meter Reading & Advance Meter Infrastructure Opt-Out Policy

A customer who has an AMR or AMI meter may request a non-AMR/AMI meter. This policy provides a choice for those customers who wish to opt out of having an Automatic Meter Reading (AMR) or Advance Meter Infrastructure (AMI) meter installed at their service location. A customer who wishes to opt out can do so by notifying CMLP and completing the [AMR/AMI Opt-Out Form](#).

Once the new meter(s) is installed, a \$75 removal/installation fee *per non-AMR/AMI meter installed* at the service address will be applied to the customer's bill. A CMLP meter technician will read the meter(s) manually each month and a \$20 Manual Read Fee will be applied monthly to the customer's bill.

### Load Management Programs

Please note that customers currently enrolled in one of CMLP's load management programs such as ETS or Controlled Water Heater can be eligible for an opt-out meter; however, they can no longer participate in the load management programs. The opt-out meters do not interface with the load control devices.

### Solar Net Metering

Requests for an opt-out meter from customers currently on the Net Metering with Banking Rate for Solar (also wind or micro-turbine units) rate will be reviewed on an individual basis to determine if an opt-out meter can be installed. Customers should note that opt-out meters cannot record usage by channel as is required for solar billing and informational purposes.

### Right of Access to Customer's Premises (per CMLP's Terms and Conditions)

CMLP's identified employees shall have access to the Customer's premises at all reasonable times for the purpose of reading meters, testing, repairing, removing, or exchanging any or all equipment belonging to the CMLP. In addition, it is the Customer's responsibility to ensure that access to this equipment is not impaired or blocked. Customers must provide space for and exercise proper care to protect the property of the CMLP on its premises.

Due to the ongoing commitment involved with maintaining the opt-out meters, CMLP's disconnect policies apply to the fees described above. If CMLP employees cannot access the customer's property to get a monthly meter reading, the customer will receive an estimated bill for that month. CMLP is required to remove the non-AMR/AMI meter if fees are unpaid, or we cannot attain access to the meter after one month. CMLP will install an AMI meter at the customer's location should either of these conditions occur, and a \$75 removal/installation fee per meter will be applied to the customer's account.

The Concord Municipal Lighting Plant (CMLP) reserves the right to revise the Opt-Out Policy at any time.



**Automatic Meter Reading & Advance Meter Infrastructure Opt Out Form**

**CUSTOMER INFORMATION**

Name on CMLP bill:	Phone #:
Mailing Address:	Account #:
Service Address:	Meter #:

**LOCATION INFORMATION**

Do you operate life support or other medical equipment in your home?	YES	NO
Do you have meter access issues such as locked gate, dog, etc.?	YES	NO
Please describe:		

**The following charges apply for this option:**

- ❖ Monthly Manual Read Fee - \$20 will be applied to customers monthly statement
- ❖ Removal /installation Fee - \$75 per meter changed

*I agree that I am the customer of record on the account listed above. Further, I am indicating that I want to opt out of the AMR or AMI metering and understand the Monthly Manual Read Fee will be applied. I understand that if fees are unpaid, an AMR or AMI meter will be installed at my location, and that all disconnect policies will apply.*

**X** \_\_\_\_\_  
**Customer Signature** **Date**

This form must be returned to:  
 Concord Municipal Light Plant  
 Attention: Customer Service

***The Concord Municipal Light Plant reserves the right to change its Opt Out Policy at any time.***

# Update on Advanced Metering Infrastructure (AMI) and Opt-Out Policy

## Executive Summary

Our transition to Advanced Metering Infrastructure (AMI), which enables the new time-of-day (TOD) rates, has been largely successful. We have deployed over 8,500 new smart meters, with only 35 customers opting out of the program. This report outlines our proposed approach to handle a few persistent and complex customer issues related to the opt-out policy and meter installation. The primary goal is to maintain consistent and fair application of our approved policies while ensuring the integrity of our metering system and customer safety.

## Opt-Out Policy and Associated Fees

The approved opt-out policy allows customers to decline a smart meter by paying a one-time fee of \$75 and a monthly fee of \$20. These fees are designed to cover the costs associated with the manual collection of meter data, as the new smart meter system is automated. This includes costs for the specialized meters, their installation, and the ongoing labor and vehicle expenses for monthly readings.

## Handling Multiple Meters

We've received inquiries from customers with multiple meters on their property, specifically regarding the application of the monthly opt-out fee.

- **Multiple Meters (Situation A):** A customer has two meters located side-by-side and questions why they must pay two separate \$20 monthly fees. Our current policy applies the fee per meter. While the physical reading of these meters may occur during a single truck roll, the administrative and system costs, as well as the initial installation cost for each non-radio frequency (non-RF) meter, are incurred on a per-meter basis. To maintain fairness and consistency with our approved policy, the fee will continue to be applied to each individual meter.
- **Multiple Meters (Situation B):** This customer has two meters that are not located next to each other. Under our current policy, they are required to pay two separate \$20 monthly fees, and we believe this is consistent with our cost-recovery rationale.

We recommend maintaining the policy of charging the opt-out fees on a per-meter basis to ensure a consistent and equitable approach for all customers who choose to opt out.

## Meter Replacement and Refusal to Cooperate

A crucial part of this project is the full transition to the new metering system. This includes replacing all existing meters, as we are no longer maintaining the old drive-by metering infrastructure. The old system will be transferred to the water department for their exclusive use until they have fully deployed new water meters.

- A customer has refused to allow us to replace their existing meter. This refusal presents a significant safety and operational concern.
  - **Safety and Integrity:** The existing drive-by meters and field tools will no longer receive maintenance or security updates from our electric utility. This creates a vulnerability where an unpatched infrastructure could lead to inaccurate billing or, in a worst-case scenario, an unmonitored meter failure. Our inability to ensure the meter's integrity could expose both the customer and the utility to risks. Further, meter reading and maintenance equipment is being transferred to Town Department for their use. Without the equipment under our care and control, we cannot verify the accuracy of the meter readings.
  - **Operational Necessity:** The old meter system is no longer supported by our infrastructure. The new AMI system, which includes both the smart meters and the non-RF opt-out meters, is our sole supported metering platform. The continued use of an old meter is not operationally feasible.

## Proposed Escalation Plan for Non-Cooperation

To address this and similar cases, we propose the following escalation plan:

1. **Initial Notification:** Send a formal letter explaining the critical need to replace the old meter and the safety risks associated with its continued use. This letter will clearly state that the old metering infrastructure is being decommissioned and will no longer be maintained by our electric utility. It will also offer to schedule a no-cost installation of a smart meter or a non-RF opt-out meter with the one-time and ongoing costs outlined above.
2. **Second Notice:** If the customer still refuses to comply after 15 days, send a second, more urgent notice. This letter will reiterate the safety concerns and the non-negotiable need for meter replacement. It will also outline the potential for an administrative warrant to swap the meter, as laid out by the Massachusetts Department of Public Utilities, or a service disconnection if the customer continues to refuse access.

- 3. Final Notice & Disconnection:** If a customer has not complied within 15 days of the second notice, a final notice will be issued. This notice will state that their service will be upgraded as of a particular date with the assistance of an administrative warrant, or, if we cannot find a way to safely access the property to replace the meter, the service will be disconnected on a particular date due to their refusal to allow necessary safety and operational upgrades to our equipment. This action would be a last resort, taken only after all reasonable attempts to resolve the issue have failed.

### **Recommendation**

We recommend the Light Board approve these proposed actions to ensure consistent application of our policies and to prioritize the safety and operational integrity of our new metering infrastructure. We believe these steps are fair, transparent, and necessary to protect the interests of both the utility and our customers.