



**CITY OF PORTSMOUTH NH
Portsmouth Energy Advisory Committee**

AGENDA & ZOOM REGISTRATION

**Wednesday, May 1, 2024 at 6:30 pm
City Hall Conference Room A
and via Zoom**

Members of the public may attend in person or via Zoom. To attend via Zoom, you must register in advance. Please click on the link below or copy and paste this into your web browser:

<https://us06web.zoom.us/meeting/register/tZUudOGprT0tE9cAKQq1VsHAlIJeZcu4pmJi>

After registering, you will receive a confirmation email containing information about joining the meeting.

AGENDA

1. Roll call
2. Approval of minutes
3. Chairman's remarks
4. Emission Reduction Funding (Federal Energy Efficiency Block Grants) working group
 - a. Public transit- EDC study underway
 - b. Weatherization
5. Solar working group update
 - a. Feasibility study for wastewater treatment plants - Herb Lloyd
 - b. Lebanon info call - Betsy Blaisdell
 - c. Weatherization/PHA/Welfare office
6. Other projects and updates
7. Seacoast Green Power Challenge

CITY OF PORTSMOUTH NH

Portsmouth Energy Advisory Committee Meeting

Wednesday, April 3, 2024

NOTES

Attending: Councilor John Tabor, Councilor Kate Cook, Tom Rooney, Ben D’Antonio, Kevin Charette, Peter Somssich, Tracey Cameron, Betsy Blaisdell, Herb Lloyd. Excused: Ben D’Antonio, Kevin Charette. Staff: Peter Britz, Stephanie Seacord (recording secretary).

Video recording: <https://youtu.be/gy-113RoT4s>

1. **Councilor Tabor called the meeting to order at 6:30 pm**
2. **Roll call.**
3. **Update from Clean Energy NH Seacoast Region Energy Circuit Rider** – Clean Energy NH is pursuing two avenues: policy and projects. She is PEAC resource for ‘boots on the ground’ advice on projects, especially until CPCNH starts turning reserves into renewable energy community projects. Councilor Tabor confirmed that Portsmouth has representation on the Rockingham County Planning Commission through Councilor Beth Moreau and has joined Sol Smart. Discussion of solar array locations – Jones Avenue landfill, Portsmouth High School parking lot repaving project to and potentially condo roofs. Katrin recommended starting with a small project to develop experience and pipeline for larger solar projects/partnerships. Also discussed the idea of a City Energy Manager or PEAC providing assistance in this area to DPW Facilities Management team.
4. **Presentation on Emission Reduction Funding opportunities (Federal energy efficiency block grants), Working Group/Tracy Cameron -- [EMISSION REDUCTION FUNDING OPPORTUNITIES](https://www.cityofportsmouth.com) ([cityofportsmouth.com](https://www.cityofportsmouth.com))**

NH Implementation Grant Request

\$49,999,999

Measure 1

\$15 million - Pre-Weatherization and Weatherization of Residential Buildings

Measure 2

\$10 million - Deploy Electric Vehicle Supply Equipment for Electric-Vehicles and Plug-in Hybrid Electric Vehicles

Measure 3

\$5 million - Support and Expand Public Transportation Options

Measure 4

\$9.99 million – Improve Energy Efficiency and Install Renewable Energy Systems at Drinking Water and Wastewater Systems

Measure 5

\$5 million – Waste Reduction, Diversion, and Recycling

Measure 6

\$5 million – Workforce Development to Support the Other Measures

Municipalities likely eligible to apply directly or for subawards

Assignments for follow-up by May 1 meeting:

Measure 1: Weatherization – Councilor Cook update on discussions on administering a program through Welfare. Tom will discuss a letter of support with Craig Welch at Portsmouth Housing Authority (PHA).

Measure 2: EV charging – Councilor Josh Denton has championed. First reading of zoning ordinance change scheduled for April 15, 2024.

Measure 3: Public transportation – Councilor Cook to contact Bill Lyons. Peter Somssich enlist Citywide

Neighborhood Committee to survey residents (and show community engagement/connects to the housing issue).

Measure 4: Energy efficiency/renewables for City Water and Wastewater Systems

Measure 5: Waste reduction and recycling – Councilors Tabor and Cook working on the “Skip the Stuff” policy that could guide an ordinance. Peter Britz and Cook to followup with discussion about implementation through a citizen working group plus staff.

Measure 6: Workforce development

The subcommittee met with NHDES to discuss the City of Portsmouth’s potential involvement in EPA’s [Climate Pollution Reduction Grant \(CPRG\)](#) program that the [New Hampshire Department of Environmental Services \(NHDES\)](#) is working to implement in New Hampshire. The goals of the program include reducing greenhouse gas emissions, delivering cleaner air by reducing harmful air pollution, and benefiting Low Income and Disadvantaged Communities (LIDACs). NHDES provided templates for letters in support of the Weatherization and Heat Pump initiatives. If the City is interested in providing letters of commitment, NHDES advises we email copies of those letters to James Tilley (James.W.Tilley@des.nh.gov) and Brendan Wyman (brendan.j.wyman@des.nh.gov), to ensure the letters get attached to the appropriate NHDES or coalition application.

NHDES plans to apply for CPRG funding to deploy electric vehicle supply equipment (ESVE), install energy efficient or renewables at municipal wastewater and drinking water facility, and reduce waste going to New Hampshire’s landfills. In addition, NHDES plans to be listed as subawardee of a CPRG application that would be submitted by the State of Hawai’i on behalf of a coalition of 12 other states to request \$500 million to fund a “Resilient Local Energy Systems” measure. If awarded a grant, the coalition would likely subaward \$30 million to New Hampshire that NHDES would then competitively subaward to municipalities in the state to deploy zero-emission electricity production (e.g., solar, wind, etc.) plus storage at local government buildings to reduce emissions and improve resiliency. NHDES has not yet produced template “Letters of Commitment” for these other measures, but please let NHDES know if you are interested in such templates.

5. Presentation and next steps from Community Solar Working Group/Betsy Blaisdell:

Initial conversation:

1. What are the possible goals for this subcommittee?
 1. Develop solar projects in the community to reduce our energy costs and GHG emissions?
 2. Could we develop an inventory of people who have solar?
 3. Could we remove disincentives for solar panels?
 4. Should we focus on municipal opportunities? Potentially put solar arrays on municipal lands behind the meter?
 5. Should we evaluate how community solar could feed into CPNH?
 6. How can community solar benefit all of the residents of Portsmouth? We must be equitable.

Where we landed:

We’re going to focus on three buckets of work:

- 1) Education and networking (**Peter**). Let’s host community meetings about solar opportunities available.
 - o Step #1: research legislative limits. What’s possible? **Peter will do this.**
 - o What’s available?
 - § What benefits are there for community solar and what are the options? Collate research and do education. **Peter to research differences with Maine**

§ PPAs/roof top leasing

§ Ownership

§ CPCNH

§ Do an inventory from residents about how they did it – the city has a list.

Shanti Wolfe has a list – head of building inspector

- 2) Remove disincentives (learn through the coalition – talk to Lebanon **(Betsy)**). **Betsy to schedule time with Tad and develop a list of questions:**
 - o Solar bill of rights?
 - o HDC
 - o Fire chief
 - o Reach out to Tom Morgan (a planner) who has talked about the disincentives for solar. **Peter or Herb to make the connection. Betsy happy to chat with him and make notes here. It will be good to get Peter's perspective too.**
- 3) Build a pipeline of municipal projects **(Herb)**. **Herb to start exploring this with Jillian Harris in the City Planning & Sustainability Department.**
 - o Explore doing an RFI to see what solar could be developed. Incorporate into the CIP process -- perhaps as early as this year? See what municipalities have done this – what could we leverage. PEAC could build an evaluation matrix. DOE has a blueprint for an RFP process. Sam Evans Brown and Chris Scogland could be resources here. **Herb to start the research.**

Betsy to develop a list of questions and set up time to discuss. Ask ‘how did Lebanon build its muscle around this? Do they have an energy manager?’

Betsy will participate in the Sustainability Fair at Connie Bean Center on April 14 to encourage residents to sign up to participate in the Solar Working Group.

Notes from **Community Solar Working Group/Herb Lloyd on Municipal Solar - Opportunities**

- Solar Arrays - Municipal Properties
 - o Types
 - Ground
 - Rooftop
 - Parking Canopy
 - o Location
 - City owns 247 properties within Portsmouth
 - Priority could be co-located with buildings and behind meter
 - o Ownership
 - City Owned Arrays
 - Power Purchase Agreement (PPA)
 - Ground Lease - 3rd party owns array
- Battery Storage
 - o Existing or future City of Portsmouth solar array include some battery storage if more power will be produced behind the meter to avoid net metering and ability to use power outside of daylight.
- Community Solar -- City buys into Community Solar Array project in New Hampshire.
- CPCNH - Power Producer -- Is there an opportunity for Portsmouth to build an array and sell power to CPCNH and get paid as a power producer? We need to be careful with this one because if Portsmouth tax dollars are used how does this benefit all residents regardless if they are Community Power customers or not. Any tax payer funded project needs to be equitable for 100% of the residents.
- Research IRA Benefits

- [https://www.jdsupra.com/legalnews/solar-projects-it-s-time-for-5069409/#:~:text=As%20provided%20for%20in%20the,credit%20\(or%20ITC\)%20for%20solar](https://www.jdsupra.com/legalnews/solar-projects-it-s-time-for-5069409/#:~:text=As%20provided%20for%20in%20the,credit%20(or%20ITC)%20for%20solar)
 - <https://www.whitehouse.gov/cleanenergy/directpay/>
 - <https://www.wri.org/technical-perspectives/maximizing-ira-direct-pay-provision-for-clean-energy-projects>
 - Request for Proposal (RFP) - Municipalities
 - EPA Project Development Pathway: <https://www.epa.gov/green-power-markets/site-project-development-process>
 - CENH - Template Request for Proposal For Municipal Solar Projects: https://www.cleanenergynh.org/_files/ugd/c6c29c_c19a5b7f12ca4253ae7c72b54cdab766.docx?dn=CENH_Solar-RFP-Template.docx
 - American Cities - Onsite Solar Process: <https://cityrenewables.org/on-site-solar/>
 - There are many examples from cities across the country
6. **Federal GRIP grant application** –Councilor Cook and Councilor Tabor will present a resolution regarding these actions to City Council if that would help with the application (due mid May). Ben and Kevin are working on the information about creating a data hub to provide needed information to the City, e,g, to quantify the need for a PHA weatherization program.
 7. **Seacoast Green Power Challenge** – PEAC voted at the March meeting to participate in the challenge. Discussion of next steps at the May 1 meeting.
 8. **Minutes for March 6, 2024 meeting** – Approved on a motion from Peter Somssich, seconded by Herb Lloyd.
 9. **No public comment.**
 10. **Next meeting** May 1, 2024 at 6:30 pm
 11. **Adjournment** at 8:35 pm.

Feasibility Analysis Opportunity

Portsmouth Wastewater Renewable Energy

DRAFT - (04.04.2024)

PROJECT SUMMARY:

The Pierce Island and Pease Wastewater Facilities require a growing source of electricity to meet growth in wastewater volume and the future implementation of additional treatment technologies. The scope of this project will deliver to the City at no cost a feasibility analysis of the generation of supplemental and auxiliary electricity through the installation of renewable energy and energy storage at the wastewater plants. Through an engagement with the Department of Energy (DOE) National Renewable Energy Laboratory (NREL) the City will have access to industry technical expertise.

Overall, this feasibility analysis will provide the City of Portsmouth with valuable insights into opportunities of utilizing solar and or wind energy and energy storage as a supplemental and auxiliary electricity source at the Wastewater Facilities. By leveraging technical expertise, conducting detailed analysis, and engaging stakeholders, the proposed analysis aims to support informed decision-making and advance sustainable energy solutions for the community.

RECOMMENDATION:

The City of Portsmouth should enter into an engagement for technical assistance with the National Renewable Energy Laboratory (NREL) through the Clean Energy to Communities Program, specifically the Expert Match service to complete a feasibility analysis.

The expected deliverables of this engagement include:

- **Wind, Solar, Storage Feasibility Assessment** - Wastewater Facilities: NREL will conduct a comprehensive feasibility assessment to evaluate the viability and potential benefits of installing renewable energy solutions and energy storage at these facilities. This assessment will consider factors such as wind/sun resource availability, site suitability, environmental impact, regulatory requirements, and economic feasibility.
- **Project Cost Estimate** - NREL will provide the City of Portsmouth a rough estimate of costs of any recommended solutions. This will not replace the need for the City to validate costs through Request for Information (RFI) and other methods to obtain more accurate costs of proposed solutions for these locations and markets.
- **Documented Proposed Project Federal and State Funding Options:** NREL will provide documentation outlining federal and state funding options available for the proposed solutions at the Wastewater Facilities. This documentation will include supporting details such as eligibility criteria, application procedures, funding sources, and potential grant or incentive programs relevant to the project.

- **Recommended Project Management and Guidance:** NREL will offer recommendations and guidance on project management strategies should the City of Portsmouth choose to move forward with the implementation of any recommended renewable energy solutions. This may include best practices for project planning, procurement, financing, permitting, construction, operation, and maintenance, as well as potential partnerships with stakeholders and utility providers.

By engaging with NREL through the Clean Energy to Communities Program, the City of Portsmouth can access expert technical assistance and guidance to assess the feasibility of renewable energy solutions at the Wastewater Facilities, explore funding options, and receive recommendations for project management. This collaboration will help inform decision-making, streamline project development, and maximize the potential for successful implementation of renewable energy solutions at these facilities.

BENEFITS:

- **Resiliency:** The installation of renewable energy solutions at the wastewater facilities, coupled with battery storage, enhances the facility's resilience against hazardous events such as hurricanes, coastal storms, and flooding. By reducing reliance on external energy sources and backup power generation, the solutions can mitigate the risk of potential impacts of energy supply disruptions, ensuring continuous operation and service delivery during emergencies.
- **Energy Cost Reduction:** Leveraging currently available federal funding and harnessing the natural resources of the sun and wind, the solutions can offer significant potential for energy cost reduction at the Wastewater Facilities. The implementation of wind turbine(s) and solar solutions could result in a short Return on Investment (ROI) period, leading to quickly realizing energy cost savings and operational efficiencies.
- **Demonstrated Commitment:** The completion of the feasibility analysis by NREL, underscores the City of Portsmouth's commitment to its mission as an Eco-Municipality and its goals as outlined in the Climate Action Plan (CAP). By exploring renewable energy solutions such as wind/solar power, the city demonstrates proactive leadership in sustainability and environmental stewardship, inspiring confidence and trust among residents and property owners in its dedication to creating a more resilient and sustainable community.

These benefits highlight the project's potential to enhance resilience, reduce energy costs, and demonstrate environmental leadership, aligning with the city's overarching goals of sustainability and climate action.

PROJECT FUNDING OPPORTUNITIES:

Given the time-sensitive availability of federal funding through the Infrastructure Investment and Jobs Act and the Inflation Reduction Act, the City of Portsmouth should capitalize on these funding opportunities while they last to support the implementation of identified viable renewable energy solutions. Here's how these funding opportunities can be leveraged:

Infrastructure Investment and Jobs Act (IIJA):

- The IIJA provides federal funding to improve and modernize infrastructure across various sectors, including wastewater treatment facilities.
- The Act specifically emphasizes the importance of making infrastructure resilient against the impacts of climate change, aligning with the objectives of increasing resilience of our Wastewater Facilities.
- The City of Portsmouth can seek federal funding under the IIJA to support the implementation of climate-resilient infrastructure upgrades, including the installation of wind turbines, solar and battery storage at the wastewater facilities.

Inflation Reduction Act:

- The Inflation Reduction Act offers federal funding of a minimum level of 30% of qualified total project costs for renewable energy projects.
- By meeting the criteria outlined in the Act, the City of Portsmouth may qualify for federal funding to cover a significant portion of the costs associated with renewable energy projects completed.
- Leveraging federal funding under the Inflation Reduction Act can help offset project expenses and improve the cost-effectiveness of implementing renewable energy solutions at the wastewater facilities.

In summary, the City of Portsmouth should explore opportunities to secure federal funding through the Infrastructure Investment and Jobs Act and the Inflation Reduction Act to support viable renewable energy projects at the Wastewater Facilities. By leveraging these funding opportunities, the city can advance its climate resilience goals, reduce energy costs, and enhance sustainability initiatives while minimizing the financial burden on local taxpayers.

SUPPORTING DETAILS:

Clean Energy to Communities Program: (Expert Match) will provide free of cost technical assistance up to 60 hours over 3–4 months.

<https://www.nrel.gov/state-local-tribal/c2c-expert-match.html>

EMISSION REDUCTION FUNDING OPPORTUNITIES

Portsmouth Energy Advisory Committee

April 3, 2024

EPA Climate Pollution Reduction Grants (CPRG)

Background

Inflation Reduction Act (IRA) provides for \$5 billion in grants to states, local governments to implement ambitious plans for reducing GHG emissions through [Climate Pollution Reduction Grants](#)

- Six sectors: **buildings**, agriculture, natural and working lands, and waste management
- Three broad objectives
 - Reduce climate pollution while supporting the creation of good jobs and lowering energy costs for families.
 - **Accelerate work to reduce environmental impacts to low-income, overburdened communities**
 - Deliver cleaner air by reducing harmful air pollution in places where people live, work, play and go to school

[Justice40](#) sets a goal that 40% of certain Federal climate, clean energy, affordable and sustainable housing flow to disadvantaged communities. Rockingham County has some blocks designated as disadvantaged communities:

- 15% number of block grants
- **23% population**

EPA Climate Pollution Reduction Grants (CPRG)

Timeline

August 2022 IRA announced

Sept 2023 non-competitive planning grants awarded to 45 states. NH received \$3 million

March 1, 2024, Priority Climate Action Plans due ([NH CPRG](#))

April 1, 2024, Implementation Grants Due – competitive (submitted)

Jul 2024 NHDES seek letters of support from interested parties

Aug-Sept 2024 NHDES requests for information

Nov-Dec 2024 NHDES requests for proposals

2027 End of grant – status report due

NH Implementation Grant Request

\$49,999,999

Measure 1

\$15 million - Pre-Weatherization and Weatherization of Residential Buildings

Measure 2

\$10 million - Deploy Electric Vehicle Supply Equipment for Electric-Vehicles and Plug-in Hybrid Electric Vehicles

Measure 3

\$5 million - Support and Expand Public Transportation Options

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\$9.99 million – Improve Energy Efficiency and Install Renewable Energy Systems at Drinking Water and Wastewater Systems

Measure 5

\$5 million – Waste Reduction, Diversion, and Recycling

Measure 6

\$5 million – Workforce Development to Support the Other Measures

Municipalities likely eligible to apply directly or for subawards

EPA Climate Pollution Reduction Grants (CPRG)

Residential Programs

Pre-weatherization and weatherization

\$15 – \$20 million

- Residential program
- If awarded, funds will pass as subawards (municipal and non-profits) or contracts (for profits)

New England Heat Pump Transformation

\$500 million

- Coalition led by CT DEEP
- If awarded, contract with third-party administrator to implement a regional market transformation program to include deployment of heat pumps, heat pump water heaters, and other building electrification technology

EPA Climate Pollution Reduction Grants (CPRG)

Municipal EV, Wastewater & Drinking Water

- NHDES applying for funding to
 - Deploy EV supply equipment
 - Energy efficiency measures or renewables at municipal wastewater and drinking water facilities
 - Reduce waste going to NH Landfills

EPA Climate Pollution Reduction Grants (CPRG)

Resilient Local Energy Systems

- Coalition of 13 states led by Hawaii
- \$500 million total ~ \$30 million to NH if awarded
- Competitive subawards to municipalities to deploy zero-emission electricity production (solar, wind) plus storage at local government buildings to reduce emissions and improve resiliency

Potential Next Steps for PEAC

- If the City believes it could participate in or directly assist in the design and performance of weatherization and heat pump measures, **letters of support** would be appreciated (various templates supplied by NHDES)
- Working group to decide which, if any, initiatives to pursue?
- **Questions, comments from this group?**



CPCNH Annual Board of Directors Meeting

Community Power Coalition of NH

Susan McLane Audubon Center, 84 Silk Farm Rd. Concord, NH 03301 or via Teams

Apr 25, 2024 12:30 PM - 3:00 PM EDT

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A. Approve Minutes of 03/28/2024 Board Meeting (Action Item)

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**People interested in serving as Officers on the Board (Executive Committee)
(Board Directors will vote to fill these positions at the Board of Directors Meeting 4/25)**

Name	Jurisdiction	Representative role	hours per month are you available to allocate to CPCNH governance?	be interested in serving as an officer, now or in the future?	Statement why you wish to serve on CPCNH Committee?
Chair	Lebanon	Board Director & Primary Member Representative	>20 hours	Able & willing to serve now	<p>I'd be honored to serve a 3rd (and final) term as Chair of C... What we together have achieved and yet still aspire to ach... Community Power feels like the culmination of much of m... work. I've served most of my adult life in public office (27... years). My work on electric utility reform and transitionin... more environmentally and economically sustainable and j... future has been a central interest and endeavor of mine s... days. I feel that I have been an effective leader of CPCNH... forward to passing the reigns in another year but want to... through on the myriad of important foundational work we... as a collaborative instrumentality of all our Member jurisc... working Board, with our growing professional staff, in my... advocate and expert witness for the Coalition in PUC proc... and in support of our legislative work.</p> <p>A detailed background statement can be found on my Link... https://www.linkedin.com/in/clifton-below/.</p>

Bobbi-Jo Michael - 2024/04/24 00:30 UTC
Community Power Coalition of NH

Vice Chair

Lisa Sweet	Rye	Board Director & Primary Member Representative	>20 hours	Would consider now or in the future	<p>"I hope that you will support me for Vice Chair of the Executive Committee. I have been very involved with CPCNH as it has progressed from incorporation in 2021 to the robust organization today. I would like to continue to contribute to the organization and its Members as we work toward fulfilling CPCNH's mission."</p> <p>I have served on the Executive Committee this past year and have been involved in the operations of CPCNH. Together with the other members of the Executive Committee, we have helped to lead CPCNH through a year of positive transition. CPCNH has brought on a talented and energetic staff, grown to nearly 60 Members, launched over a dozen successful Community Power Aggregation programs, saved our customers millions of dollars, and offered more choices for reducing carbon emissions. I have been able to attend and contribute to Executive Committee meetings.</p> <p>I have also served as the Chair of the Member Outreach and Engagement Committee (MOEC) for the past three years and have helped the organization grow from the original 14 Members. In addition, we have worked to help towns, cities, and counties to join and implement a community power program according to NH's rules and regulations in the vision of the Coalition. I have helped to ensure that we are providing timely and useful information to our Members. The committee has facilitated and encouraged the flow of communication among</p>
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Treasurer

Kim Quirk	Enfield	Board Director & Primary Member Representative	>20 hours	Able & willing to serve now	<p>The Treasurer plays an important role at the Executive Committee and the Finance Committee as well as during rate setting and the Risk Management Committee. I participate in these meetings as well as meetings with the CEO and our finance team to ensure continuity across budgeting, financial reporting and financial processes.</p>
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Bobbi-Jo Michael - 2024/04/24 00:30 UTC
Community Power Coalition of NH

Secretary

Evan Oxenham	Plainfield	Primary Member Representative	>20 hours	willing to serve now
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5th

Doria Brown	City of Nashua	Board Director & Primary Member Representative	10-20 hours	Would consider now or in the future
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Lisa Sweet	Rye	Board Director & Primary Member Representative	>20 hours	Able & willing to serve now
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To: CPCNH Board of Directors
From: Brian Callnan, CEO
Date: April 22, 2024
Subject: CEO Report

One year of service! On April 27, 2023 we first started serving load with a peak of about 7.5MW's for that Thursday. Our load (electricity sales) increased significantly as our first ten communities started to come online. We quickly grew and served a peak of 135MW's on September 7, 2023 (also a Thursday), a short four months later with only five additional communities. We are expecting to be serving more than 60 communities by the end of 2024. Many thanks to everyone involved for helping us spread the benefits of Community Power to so many communities.

Below are some of the items to highlight since our March board meeting.

Staffing Update: Please introduce yourselves to Mark Bolinger and Scott May. Mark will start on May 1st as our new Director of Energy Programs and Projects. Scott May started on April 15th as our new Senior Energy Analyst. Please reach out to Mark at Mark.bolinger@communitypowernh.gov for anything regarding community energy projects such as solar opportunities or programs such as weatherization efforts and new rates. Scott will be working on helping us streamline our use of data. He can be reached at Scott.may@communitypowernh.gov.

Regulatory Efforts: We continue to advocate for our members to be able to serve net metering (NM) and time-of-use (TOU) customers and offer innovative rates and products to all customers. We are doing a lot in this space so please review the Regulatory and Legislative Affairs Committee report for more detail on these efforts.

I'd like to highlight the importance of the NH Electronic Business Transaction (EBT) / Electronic Data Interchange (EDI) working group. Earlier this year, CPCNH helped reconvene this group, comprised of energy stakeholders including utilities, competitive suppliers, the Consumer Advocate, DOE staff, and EDI experts, with an initial focus to identify ways to enable CPAs and competitive suppliers serving CPAs to offer innovative rates. CPCNH proposed and the working group adopted a governance structure comprised of two subgroups; one to focus on business rules and policy and the other to focus on more technical areas associated with EDI. The latter working group is expected to finalize a proposal that CPCNH and Calpine



prepared regarding specific EDI changes needed for each utility to enable dual billing for net metering and time-of-use customers.

In addition to the EBT/EDI working group, CPCNH continues to press for these needed reforms through regulatory dockets, including DE 23-063 (utility Puc 2200 rule waivers docket). Last month, CPCNH and Conservation Law Foundation (CLF) filed a joint motion requesting that the Public Utilities Commission (PUC) clarify that the scope of the docket include dual billing as a possible alternative to the IOUs' \$8.9 million bill-ready consolidated billing proposal and that the utilities' wholesale load settlement processes be changed to more accurately allocate NM and TOU usage to comply with Puc rules, state law (RSA 362-A:9, II) and minimize stranded cost charge socialization. The PUC has scheduled a pre-hearing conference to address the scope of the docket on May 2.

Many thanks to RLAC, Clifton Below, Samuel Golding and Deana Dennis for leading these efforts.

IT Project: We've migrated to the Microsoft environment for CPCNH business and are now using the [OnBoard](#) platform for our Board and Committee meetings. Please reach out to [Bobbi-Jo](#) if there are any questions about OnBoard and reach out to [Henry](#) if there are questions on the Microsoft integration. Many thanks to Craig Putnam, Henry Herndon, Bobbi-Jo Michael, Gina Guy from OnBoard and Rudy Rumohr from our IT provider Connection.

Finance: ecoCFO has built our financial forecasting model so it is easier to maintain and update. Last month was the first month where ecoCFO pulled together the variance report on its own. This model uses updates from Ascend Analytics on expected loads (electricity sales) and forward market prices to update forecasts for future months and years. One major advantage is that the updated actual data comes directly from our accounting software making it easier to identify variances and update the report. Many thanks to Brandon Spera, ecoCFO's Financial Planning and Analysis Director for his development work on this reporting improvement.

Power Supply: CPCNH has received many inquiries about entering into a Power Purchase Agreement or purchasing solar projects throughout New Hampshire. We are reviewing these projects and are negotiating pricing for some of them. The solar projects range in size from 1.4MWs to just under 5MWs. We may have a recommendation for the Risk Management Committee (RMC) at their next meeting. We are also reviewing what opportunity there may be in developing a contract with one of our member's hydroelectric facilities. We have had productive discussions with CS operations, operator of the Burgess 75MW biomass facility in the city of Berlin (a CPCNH Member). Our discussions involve pricing for energy and Renewable Energy Certificates (NH Class I) beginning this summer for a term of one year. Initial pricing is comparable to market. We expect to bring this project to the next RMC for review and discussion.



Annual and Discretionary Adder Rates: Our partner Calpine has been working through the logistics of offering an annual (12 month) rate for our municipal and business customers and a CPA member specific default service rate that includes a discretionary adder. Please reach out to [me](#) if you are interested in either of these rates. We have not yet found anything that would bar us from offering the discretionary adder rate for this August. We are still working on what the ideal timing would be for the 12 month rate and would appreciate some feedback from the communities that are interested in using it.

Projects and Programs Survey: Please take a moment to review the results of the Projects and Programs survey. This data will really help our team (and our new Dir. Of Programs and Projects) prioritize our resources. Feel free to reach out to [Mark Bolinger](#) (after May 1st) with either questions or additional input for your community on Project or Programs.

Member Services: Our Member Services team presented to five interested communities including municipal staff, Community Power Committees, and governing bodies since the last Board meeting. Please review the Member Outreach and Engagement Committee (MOEC) report for more detail. A webinar (office hour) on Reserves was held on March 29th and a well-attended workshop on Public Engagement was held on April 11th. Many thanks to Madelyn Bradley and Andrew Hatch of Resilient Buildings Group for being part of the Member Services team.

New Member Launch Timelines: We launched the communities of Durham, Hudson, New London, Newmarket, Pembroke, Stratham, Warner, Webster, Westmoreland, Chesterfield, Roxbury and Winchester in early March. These communities should now be seeing “Community Power” referenced on their resident’s bills.

On Friday April 26, CPCNH will mail enrollment notices for our Wave 3 launch group with includes the communities of Atkinson, Barrington, Bethlehem, Boscawen, Bradford, Charlestown, Grantham, Hampton Falls, Kensington, Loudon, Somersworth, Sugar Hill, Tamworth, and Gilsum. Congratulations to these Members for launching Community Power service this coming June.

CPCNH is planning a fall launch targeted for the month of October, pending market conditions.

Outreach: Met with US Senator Maggie Hassan and NH Senate President Jeb Bradley.



Please review my annual report from the Member meeting for a summary of what CPCNH is planning to address before our next annual meeting in April 2025.



Inadvertent Enrollment: We have not heard a reply to our March 13th letter to the attorney representing American Hydro, Inc. We will keep the Board updated on this unfortunate incident.

Member Director Meetings: Please suggest convenient times to meet. I will also be reaching out to schedule some time. I'd like to try to meet in person if it's convenient, with a focus on current and future goals and areas of CPCNH service improvement.

Audit: We remain on track to have an audit report for 2022 and 2023 from our auditor BerryDunn in May. Many thanks to the ecoCFO team and our treasurer Kim Quirk for helping pull together the data that the auditors need to complete their work.

Membership Recommendation: [LEAN Energy US](#) (Local Energy Aggregation Network) is committed to the adoption of Community Choice Aggregations (CCAs) throughout the United States as vehicles to enable the transition to clean and renewable power, competition, customer choice and affordable electricity rates. The organization pulled together an excellent [report](#) of the progress of CCAs throughout the US. CPCNH's Henry Herndon helped develop and provided data for the report. I have been asked to be on their board of directors and have agreed to do so pending approval by the board on joining LEAN. I have let the executive director know that I will not be able to take a substantial role as a director in the organization as we are growing quickly. CPCNH membership in LEAN will help us learn from what has and has not been successful at other CCA/CPAs. This could include new programs, project financing ideas, investment plans, preferred vendors, legislative and regulatory efforts, and other areas important to our members and the health of CPCNH. The suggested membership fee is \$10,000 for companies with annual revenues over \$10MM.

Requested Authorizations:

- Association Membership: *"Authorize the CEO to join LEAN Energy US with an expected annual membership fee of \$10,000"*



■
To: CPCNH Board of Directors
From: Director Quirk, Treasurer
Date: April 12, 2024
Subject: Treasurer's Report
■

Annual Summary

Included in this report are the Financial Activity and Position report summaries for the 2023 year.

In April of 2023 we launched services with 10 communities and by the end of the year we were serving 14 communities, which was over 90,000 meters, 335,000 MWh (335GWh), saving those communities over \$9M.

Revenues for the year were \$43.5M; our COGS was \$34.5M: and operating expenses were \$4.9M, which let us start building our Reserves to 29 days of operations, just about half of where we want to be in the first 3 years of operations.

We were cash positive within the first 4 months of operations. We hired our CEO just in time to launch and hired 3 more employees before the end of the year.

Looking forward to 2024, as of last month we are serving over 130,000 meters as we just added 12 new communities; we expect to serve over a Terawatt-hour of loads by the end of the year and to be within reach of the 60 days of operating reserves goal.

Feb Pro Forma Income and Variance Report

Please see the attached Proforma and Variance report for February of 2024.

Note that the differences associated with just this month are highlighted in green at the very bottom of the Discussion section below the variance numbers.

Feb Financial Report

See the attached Statement of Activity and Statement of Financial Position as of February 29, 2024.



Feb CPCNH Member Benefit Report

See the attached Customer Benefits report and Opt Report from launch to the end of February 2024.

ACTION ITEMS & TREASURER RECOMMENDATIONS TO BOARD

No actions for board consideration at this time.

ATTACHMENTS

1. 2023 Annual Financial Activities and Position Statement (previous provided to the board)
2. Proforma Income and Variance statement for Feb 2024.
3. Financial Activities Statement Nov 2023 - Feb 2024
4. Financial Position Statement as of Feb 29, 2024
5. CPCNH Member Benefit Report through Feb 29, 2024
6. CPCNH Member Opt Report through Feb 29, 2024

Community Power Coalition of NH

Statement of Activity

January - December 2023

	TOTAL
Revenue	
4000 Sales	
4001 Electricity sales	43,459,021.02
4200 Calpine Startup Funds	600,000.00
Total 4000 Sales	44,059,021.02
Total Revenue	\$44,059,021.02
Cost of Goods Sold	
5000 Cost of Goods Sold	34,541,196.88
Total Cost of Goods Sold	\$34,541,196.88
GROSS PROFIT	\$9,517,824.14
Expenditures	
6000 Salary, Taxes & Benefits	363,942.79
7000 Contract & Professional Services	4,126,788.78
8050 Operating Expenses	274,146.21
General and Administrative	122,857.04
Total Expenditures	\$4,887,734.82
NET OPERATING REVENUE	\$4,630,089.32
NET REVENUE	\$4,630,089.32

Community Power Coalition of NH

Statement of Financial Position

As of December 31, 2023

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	\$5,672,987
Accounts Receivable	
1100 Accounts Receivable (A/R)	8,308,688
Total Accounts Receivable	\$8,308,688
Other Current Assets	\$4,020
Total Current Assets	\$13,985,694
TOTAL ASSETS	\$13,985,694
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	\$6,025,394
Other Current Liabilities	\$0
Total Current Liabilities	\$6,025,394
Long-Term Liabilities	
2200 Accrued Expense, RECs	2,211,294
2300 Other long-term liabilities	1,576,636
Total Long-Term Liabilities	\$3,787,930
Total Liabilities	\$9,813,324
Equity	\$4,172,371
TOTAL LIABILITIES AND EQUITY	\$13,985,694

	Feb 24 - Jul 24	Aug 23 - Jan 24	2024	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
CPCNH Budget Variance Report 2024 (\$000)			A+F	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Actual + Forecast											
Revenue	\$ 39,056	\$ 35,642	\$ 91,776	\$ 6,921	\$ 6,942	\$ 5,820	\$ 6,013	\$ 5,889	\$ 6,406	\$ 7,987	\$ 10,078
Customer Revenues			\$ 91,776	\$ 6,921	\$ 6,942	\$ 5,820	\$ 6,013	\$ 5,889	\$ 6,406	\$ 7,987	\$ 10,078
Total COGS	\$ 30,902	\$ 30,375	\$ 75,943	\$ 6,081	\$ 3,755	\$ 5,132	\$ 4,688	\$ 4,860	\$ 5,305	\$ 7,162	\$ 8,986
Energy, Capacity and Ancillary Costs			\$ 69,416	\$ 5,656	\$ 3,330	\$ 4,676	\$ 4,224	\$ 4,403	\$ 4,805	\$ 6,537	\$ 8,254
RPS Obligations and Voluntary RECs			\$ 6,527	\$ 426	\$ 425	\$ 456	\$ 464	\$ 457	\$ 500	\$ 625	\$ 732
Gross Margin	\$ 8,154	\$ 5,267	\$ 15,833	\$ 840	\$ 3,187	\$ 687	\$ 1,326	\$ 1,028	\$ 1,100	\$ 825	\$ 1,093
Expenditures	\$ 3,191	\$ 2,553	\$ 6,203	\$ 412	\$ 482	\$ 464	\$ 493	\$ 610	\$ 498	\$ 643	\$ 528
Operating Expense	\$ 3,145	\$ 2,122	\$ 6,120	\$ 401	\$ 471	\$ 454	\$ 488	\$ 601	\$ 493	\$ 638	\$ 522
General and Administrative	\$ 46	\$ 431	\$ 84	\$ 11	\$ 11	\$ 10	\$ 5	\$ 9	\$ 5	\$ 5	\$ 5
Office, Insurance and Other			\$ 84	\$ 11	\$ 11	\$ 10	\$ 5	\$ 9	\$ 5	\$ 5	\$ 5
Net Margin	\$ 4,963	\$ 2,714	\$ 9,630	\$ 428	\$ 2,706	\$ 223	\$ 832	\$ 418	\$ 602	\$ 182	\$ 565
Joint Reserves (End of Month)	\$ 11,712	\$ 6,749	\$ 15,951	\$ 6,749	\$ 9,455	\$ 9,678	\$ 10,510	\$ 10,928	\$ 11,530	\$ 11,712	\$ 12,277
Retail Sales (GWh)	482.3	301.2	1,051.2	73.2	65.3	77.2	70.0	74.2	82.7	112.9	117.9
CPA Accounts Served (000)	122	94	122	94	90	122	122	122	122	122	122
Reserve Operating Days (min target 60)	42	36	58	36	44	42	44	43	43	42	44

Variances: Actual + Forecast vs Board Approved Budget											
Revenue	\$ 2,098	\$ 1,592	\$ (9,924)(b)	\$ (493)	\$ 133	\$ (1,214)	\$ (1,452)	\$ (1,242)	\$ (1,231)	\$ (921)	\$ (850)
Total COGS	\$ (739)	\$ 1,825	\$ (8,345)(c)	\$ (483)	\$ (989)	\$ (1,357)	\$ (819)	\$ (1,153)	\$ (743)	\$ (528)	\$ (670)
Gross Margin	\$ 2,836	\$ (233)	\$ (1,579)(d)	\$ (10)	\$ 1,122	\$ 143	\$ (633)	\$ (89)	\$ (488)	\$ (394)	\$ (180)
Expenditures	\$ (35)	\$ (1,251)	\$ (263)	\$ (118)	\$ 9	\$ (43)	\$ (36)	\$ 5	\$ (28)	\$ (13)	\$ (20)
Operating Expense	\$ (29)	\$ (392)	\$ (257)(e)	\$ (118)	\$ 16	\$ (43)	\$ (36)	\$ 5	\$ (28)	\$ (13)	\$ (20)
General and Administrative	\$ (7)	\$ (859)	\$ (6)	\$ 1	\$ (7)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Net Margin	\$ 2,872(h)	\$ 1,018(g)	\$ (1,316)(f)	\$ 108	\$ 1,113(a)	\$ 185	\$ (597)	\$ (94)	\$ (460)	\$ (381)	\$ (160)
Joint Reserves (End of Month)	\$ 3,110	\$ (5,051)	\$ 159	\$ 663	\$ 1,436	\$ 1,696	\$ 1,278	\$ 979	\$ 736	\$ 955	\$ 1,773
Retail Sales (GWh)	24.0	(12.0)	50.1	2.6	2.3	(9.4)	(2.1)	(5.4)	(0.2)	6.3	13.2
CPA Accounts Served (000)	0	19	0	4	0	0	0	0	0	0	0
Reserve Operating Days (min target 60)	(3)	(10)	(15)	(30)	(24)	(20)	(19)	(18)	(19)	(21)	(20)

Monthly Discussion:

The \$1.1MM (a) positive variance in Net Margin for February is primarily due to hedge costs (energy contract purchases) coming in \$836k lower than budgeted and \$133k. Lower hedge costs are due to purchasing later than expected resulting in lower than forecasted costs. Expenditures were close to budget (2%).

2024 Discussion:

Revenue - Lower by ~\$9.9MM (b). The reduction in forecasted revenue for the year is primarily due to lower than forecast rates as result of falling forward energy volume is now 1% higher than budgeted now that Wave 3 is in the forecast (June launch). Expectations for March through June sales are 6% below expectations. estimated sales as it was complete in December. Rates are lower than the budget due to declining market prices for the period of August - December and a decision assumed in November for the February - July Spring period.

Cost of Goods Sold - Lower by ~\$8.3MM (c) due to lower than forecasted electricity sales, declining market rates and lower hedging costs than originally forecasted.

Gross Margin - Combination of above net to a reduction in Gross Margin of \$1.6MM (d) from what was forecasted in November 2023.

Operating Expense - ~\$257k (e) lower primarily from uncollectible expenses being \$160k lower due to lower forecasted sales, \$191k lower in Salaries due to new p expected, \$12k lower Member Services costs due to lower mailing and advertising costs, \$104k higher than forecast in Contractor Services due to unbudgeted sle Assumed reduction in Ascend monthly invoices beginning in January was not achieved resulting in \$28k higher contractor costs.

General and Admin. - On track

Net Margin - \$1.3M (f) lower than expected primarily due to lower than forecasted revenue being offset by lower than forecasted energy cos ts

Reserve Operating Days - Forecasted reserve operating days at year end is 15 days less than what was budgeted due to the reduction in net margin. This change of 2 days for the year) is primarily due to higher loads (wave 3 now forecasted) where last month wave 3 was not included.

Previous Rate Period (Fall) - ~\$1MM (g) increase in Net Margin over expectations when the rate was set in June 2023

Bobbi-Jo Michael - 2024/04/24 00:30 UTC
Community Power Coalition of NH

Community Power Coalition of NH

Statement of Activity

October 2023 - February 2024

	OCT 2023	NOV 2023	DEC 2023	JAN 2024	FEB 2024	TOT
Revenue						
4000 Sales	4,223,104	4,172,253	5,891,774	6,921,168	6,942,084	\$28,150,3
Total Revenue	\$4,223,104	\$4,172,253	\$5,891,774	\$6,921,168	\$6,942,084	\$28,150,3
Cost of Goods Sold	\$4,368,625	\$4,494,965	\$5,402,709	\$6,083,060	\$3,762,128	\$24,111,4
GROSS PROFIT	\$ -145,521	\$ -322,711	\$489,065	\$838,108	\$3,179,956	\$4,038,8
Expenditures						
6000 Salary, Taxes & Benefits	46,573	90,067	68,704	69,917	67,370	\$342,2
7000 Contract & Professional Services	230,968	298,184	273,127	256,124	311,322	\$1,369,7
8000 Travel	940	1,961	1,876	1,465	1,352	\$7,5
8050 Operating Expenses	51,972	59,339	44,228	82,423	94,231	\$332,2
Total Expenditures	\$330,452	\$449,551	\$387,934	\$409,930	\$474,275	\$2,052,2
NET OPERATING REVENUE	\$ -475,973	\$ -772,262	\$101,130	\$428,178	\$2,705,681	\$1,986,7
NET REVENUE	\$ -475,973	\$ -772,262	\$101,130	\$428,178	\$2,705,681	\$1,986,7

Community Power Coalition of NH

Statement of Financial Position

As of February 29, 2024

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	\$6,683,377
Accounts Receivable	
1100 Accounts Receivable (A/R)	9,262,322
Total Accounts Receivable	\$9,262,322
Other Current Assets	\$ -223,983
Total Current Assets	\$15,721,716
TOTAL ASSETS	\$15,721,716
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	\$4,129,588
Long-Term Liabilities	
2200 Accrued Expense, RECs	3,052,145
2300 Other long-term liabilities	1,501,542
Total Long-Term Liabilities	\$4,553,687
Total Liabilities	\$8,683,275
Equity	
3001 Retained Earnings	3,904,582
Net Revenue	3,133,859
Total Equity	\$7,038,441
TOTAL LIABILITIES AND EQUITY	\$15,721,716

CPCNH Community Benefit Report* (DRAFT)

Launch to Date, Through February 29, 2024

Member	Launch Date	Total Revenue (\$000)	Total Costs (\$000)	Joint Reserves (\$000)	Discr. Reserves (\$000)	Customer Savings (\$000)	Community Benefit (\$000)	Community Energy (MWh)
Canterbury	5/23	\$566	\$483	\$82	\$0	\$129	\$212	4,622
Cheshire	9/23	\$442	\$407	\$35	\$0	\$38	\$73	3,780
Dover	10/23	\$2,759	\$2,567	\$193	\$0	\$279	\$472	24,466
Enfield	4/23	\$1,297	\$1,136	\$161	\$0	\$278	\$440	10,687
Exeter	4/23	\$5,124	\$4,248	\$876	\$0	\$1,659	\$2,534	40,429
Hanover	4/23	\$2,443	\$2,245	\$198	\$0	\$404	\$603	19,384
Harrisville	4/23	\$287	\$265	\$21	\$0	\$41	\$63	2,267
Lebanon	4/23	\$6,182	\$5,624	\$558	\$0	\$1,329	\$1,887	50,894
Nashua	4/23	\$23,900	\$19,326	\$4,574	\$0	\$4,133	\$8,707	186,478
Peterborough	4/23	\$1,908	\$1,646	\$262	\$0	\$245	\$507	14,716
Plainfield	4/23	\$588	\$519	\$70	\$0	\$94	\$164	4,651
Portsmouth	5/23	\$8,233	\$7,091	\$1,143	\$0	\$1,217	\$2,360	67,441
Rye	4/23	\$2,045	\$1,690	\$355	\$0	\$329	\$684	16,244
Walpole	4/23	\$1,350	\$1,141	\$209	\$0	\$278	\$487	10,929
CPCNH		\$57,124	\$48,388	\$8,737	\$0	\$10,453	\$19,193	456,987

**Article VI of the Cost Sharing Agreement*

Note: Draft Report, values may change as ecoCFO and our contractors review. Dollar figures are rounded to nearest \$1,000. Customer Savings estimate reported are based on residential rate savings, future reports will include rate variances accounting for rate class. Customer Accounts are Year To Date and include accounts that were once CPCNH customers and are no longer such as those that have Opted Out, moved away from the community, moved to a different location within the community or become inactive. Pre-operational CPCNH costs referenced in Article VII of the CSA have yet to be reallocated but will be for future reports. Savings will vary dependent upon distribution utility territory (different default rates).

Definitions:

Total Revenue: Total customer payments by Community Power Aggregation (CPA)

Total Costs: Total CPA costs to serve customers

Joint Reserves: CPA allocation of CPCNH Joint Reserves used to meet "days of operation" reserve targets (allocation of organization equity). Joint Reserves are accrual based and may include working capital.

Discretionary Reserves: Reserves that a member has requested be collected to support a future energy project

Customer Savings: Estimated CPA customer savings over utility Default rates

Community Benefit: CPA Joint Reserves + Customer savings represents total CPA value created by being a member of CPCNH.

Community Energy: Total energy served by the Community Power aggregation

CPCNH Opt Action and Product Election Report (Draft)

Launch to Date, Through February 29, 2024

Member	Launch Date	Current Accounts	Opt Actions (%)				Product Elections (%)			
			In	Up	Down	Out	Granite Basic	Granite Plus	Clean 50	Clean 100
Canterbury	5/23	973	5.9%	1.6%	0.1%	3.6%	94.5%	0.5%	0.9%	0.5%
Cheshire	9/23	3,305	2.9%	0.3%	0.0%	1.7%	97.6%	0.1%	0.3%	0.4%
Dover	10/23	13,497	3.0%	0.4%	0.0%	0.9%	98.5%	0.2%	0.2%	0.3%
Enfield	4/23	2,372	1.9%	2.1%	0.0%	0.6%	97.0%	0.3%	1.0%	1.1%
Exeter	4/23	7,618	1.6%	1.3%	0.0%	0.7%	97.7%	0.3%	0.6%	0.7%
Hanover	4/23	2,940	3.2%	5.5%	2.6%	1.0%	4.5%	88.6%	2.2%	3.7%
Harrisville	4/23	720	3.5%	4.4%	0.1%	2.2%	92.5%	0.4%	1.6%	3.3%
Lebanon	4/23	7,713	1.2%	4.3%	0.1%	0.4%	94.8%	0.3%	1.0%	3.5%
Nashua	4/23	37,014	1.1%	0.4%	0.0%	0.4%	99.2%	0.1%	0.2%	0.2%
Peterborough	4/23	3,279	2.3%	1.5%	2.5%	1.5%	3.7%	92.8%	0.8%	1.3%
Plainfield	4/23	790	3.6%	1.5%	1.5%	1.5%	2.7%	93.5%	1.0%	1.4%
Portsmouth	5/23	12,745	1.8%	1.0%	0.0%	0.6%	97.9%	0.3%	0.4%	0.8%
Rye	4/23	2,867	3.8%	0.7%	0.0%	0.8%	98.2%	0.2%	0.5%	0.4%
Walpole	4/23	1,743	2.8%	1.0%	0.1%	0.5%	98.1%	0.2%	0.6%	0.6%
Durham	2/24	3,187	2.7%	1.2%	0.0%	1.1%	96.9%	0.5%	0.9%	0.6%
Hudson	2/24	139	2.1%	0.1%	0.0%	3.7%	96.1%	0.1%	0.1%	0.0%
New London	2/24	39	2.1%	0.3%	0.0%	1.9%	97.6%	0.0%	0.4%	0.1%
Newmarket	3/24	3,988	1.7%	0.2%	0.0%	1.1%	98.6%	0.1%	0.1%	0.1%
Pembroke	2/24	2,632	2.5%	0.2%	0.0%	1.6%	98.2%	0.1%	0.0%	0.1%
Stratham	2/24	2,934	4.8%	0.5%	0.0%	1.1%	97.9%	0.4%	0.4%	0.1%
Warner	2/24	1,289	2.7%	0.5%	0.0%	4.3%	94.9%	0.1%	0.4%	0.3%
Webster	2/24	328	3.6%	0.3%	0.0%	5.4%	94.0%	0.4%	0.1%	0.0%
CPCNH		112,112	2.0%	0.9%	0.1%	1.0%	92.8%	5.1%	0.4%	0.7%

Definitions:

Current Accounts: Total accounts currently receiving services as of the report date, does not include accounts expected from November refresh efforts

Opt In: Percentage of customers that Opted In to CPCNH service

Opt Up: Percentage of customers that elected a rate product with a higher renewable energy content than the default offering

Opt Down: Percentage of customers that elected a rate product with a lower renewable energy content than the default offering

Opt Out: Percentage of customers that Opted Out of CPCNH service since launching (not unique- same location could have opted out more than once since the community started providing service)

Granite Basic: Percentage of customers the are taking the CPCNH offering that meets the New Hampshire state mandated Renewable Portfolio Standard (RPS) (24.3% renewable content)

RPS: New Hampshire's Renewable Portfolio Standard statute, *RSA 362-E*, requires each electricity provider to meet customer load by purchasing or acquiring certificates representing generation from renewable energy

Granite Plus: Percentage of customers the are taking the CPCNH offering that has 33% renewable content

Clean 50: Percentage of customers the are taking the CPCNH offering that has 50% renewable content

Clean 100: Percentage of customers the are taking the CPCNH offering that has 100% renewable content

Here are the updates I have to share at this week's meeting:

- 1) Portsmouth Sustainability Fair outcomes: I joined Peter and talked to Portsmouth residents about their interest in solar and any barriers they've experienced in exploring solar. Here's what I heard:
 - a. Renting
 - b. Condo assoc. wouldn't come to an agreement.
 - c. Selling property within four years
 - d. Inability to participate in community power due to net metering issue
 - e. Hesitation and some misinformation given the amount of solar sales folks stopping by
 - f. Tree shading
 - g. HDC approvals
 - h. Cost
- 2) Identifying barriers related to zoning:
 - a. Connected with Tom and he's agreed to do a zoning review to come up with a list of potential barriers in the zoning ordinances for us to systematically tackle.
 - b. Next step:
 - i. Connecting with Planning and Zoning to discuss what's in progress and what analysis would be helpful
 - ii. Develop a project plan with Tom for review/discussion with PEAC
- 3) Outlining community webinars regarding solar
 - a. Inspired by my vacation read, "Electrify" I've developed a proposed broader series of webinars (see below). I welcome your thoughts on this and suggestions for speakers/folks to reach out to.
 - b. Next step:
 - i. Confirm topics; gather resources.
 - ii. Discuss good dates/ location (public library) to host these.
 - iii. Identify other committee members who would be willing to help organize each one.
- 4) Opt up campaign:
 - a. CPCNH does not have a brochure yet for this. We need to create one. I wasn't able to create one in time for the Sustainability Fair
 - b. What is the timing for the campaign with other communities
 - c. How do we want to promote this? Should we bring this to the Sustainability Committee to see if there are any volunteers? Opportunities to collaborate?

Proposed PEAC Educational Series 2024/2025:

Electrify Everything:

- 1) Why?

- a. Climate change – meeting our climate action plan targets
 - b. Efficiencies
 - c. Reduction in energy costs
 - d. Job creation
- 2) How?
- a. EV cars (presentation)
 - b. Rooftop solar (presentation)
 - c. Heat pumps (presentation)
 - d. Efficient appliances (FAQ)
 - e. Grid connected batteries (future presentation)
 - f. Municipal solar (future presentation-- next year after the study is complete)
- 3) Deep Dives Community presentations
- a. Presentation #1: Solar
 - i. All: Opt up with CPCNH
 - 1. Why?
 - a. Creating demand, reducing emissions
 - b. Supporting local renewable energy projects
 - c. Contributing to our town fund to build renewables in Portsmouth? Need to ask CPCNH this
 - 2. How?
 - 3. Cost?
 - ii. Owners/landlords: rooftop solar
 - 1. Why?
 - 2. How?
 - a. Own vs. lease
 - i. Pros and cons
 - b. Own
 - i. Typical size and types
 - ii. Cost and rebates
 - iii. Process (getting bids)
 - iv. Things to know about zoning
 - 1. Permitting process (planning)
 - 2. Potential blocks with solutions
 - 3. Suggestions from zoning/HDC
 - v. Experiences from Portsmouth residents
 - c. Lease
 - i. Types
 - ii. Cost
 - iii. Process differences as compared with owning
 - iv. Experiences from Portsmouth residents
 - d. FAQ
- b. Presentation #2: Your personal comfort infrastructure: HVAC (heat pumps)
 - i. Why?
 - ii. Types

1. Air source
 2. Geothermal
 3. Pros and cons of each
- iii. How?
1. Air source:
 - a. Typical size and types
 - b. Cost and rebates
 - c. Process (getting bids)
 - d. Things to know about zoning
 - i. Permitting process (planning)
 - ii. Potential blocks with solutions
 - iii. Suggestions from zoning/HDC
 2. Geothermal
 - a. Typical size and types
 - b. Cost and rebates
 - c. Process (getting bids)
 - d. Things to know about zoning
 - i. Permitting process (planning)
 - ii. Potential blocks with solutions
 - iii. Suggestions from zoning/HDC
- c. Presentation #3: Electric cars
- i. Why?
 1. Benefits
 2. Café standards and commitments
 - ii. Mythbusters
 - iii. What the town is doing?
 - iv. How to shop for an EV
 1. Local car dealers
 2. Lease vs. own?
 3. Rebates and incentives
 4. Charging infrastructure
 - a. Your house
 - b. Portsmouth
 - c. Seacoast
 - d. NH, ME, MA, VT corridors
 5. Personal experiences (good and bad)
 - a. Tesla
 - b. Ford
 - c. Chevy
 - d. Rivian
 - v. FAQs
- d. Presentation #4: Municipal solar (future presentation)
- i. What PEAC?
 - ii. NREL study overview

- iii. Outcomes
- iv. Next steps
- e. Grid connected batteries (future presentation)