

**STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSION**

**DE 22-060**

**ELECTRIC DISTRIBUTION UTILITIES**

**Consideration of Changes to the Current Net Metering Tariff Structure, Including  
Compensation of Customer-Generators**

**Procedural Order Re: Record Requests**

The Commission requests that the three electric distribution utilities<sup>1</sup> respond to Record Requests 1 and 2, with a unified response whenever possible and separate responses when necessary, on or before the close of business on December 20, 2024. The Commission further requests that Community Power Coalition of New Hampshire (CPCNH) respond to Record Request 3 on or before December 20, 2024. Any party may file a response to an initial request answer by January 3, 2025.

Record Requests for Electric Distribution Utilities

1. Provide your company's definition of a customer-generator. The Commission is particularly interested in how this definition affects the categorization of customer-generators by size. In addition, please answer each question below:
  - a. Is a customer-generator determined by a physical address?
  - b. Is the size of the installation determined by the customer's consumption of electricity or production of electricity?
  - c. How would the company treat an entity that owns two net-metered installations on the same plot of land?
  - d. How would the company treat an entity that owns two net-metered installations, but each is located on a separate plot of land. Would the distance between the installations or plots affect the definition?
  - e. How would the company treat two separate entities that own two net-metered installations on a single plot of land.

---

<sup>1</sup> Public Service Company of New Hampshire d/b/a Eversource Energy, Unitil Energy Services, Inc., Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty.

- f. How would the company treat a parent company and a subsidiary that each own a separate net-metered installation on a single plot of land.
2. In a live Excel file, while affording necessary privacy protection for the public version, please provide a list of all customer-generators currently enrolled in your company's net-metering program. The list should include the following data:
  - a. The billing address and name of the customer on the billing statement.
  - b. Whether the customer-generator is a residence or a business.
  - c. The date the customer-generator enrolled in your company's net-metering program.
  - d. The peak generating capacity of the customer-generator.
  - e. Whether the customer-generator is categorized as small or large.
  - f. The number of plots of land on which the customer-generator maintains its facilities.
  - g. For all customer-generators receiving any net-metering credits for the full year between July 1, 2023 and June 30, 2024, provide that customer-generator's total consumption per month in kWh for each of the twelve months.
  - h. For all customer-generators receiving any net-metering credits for the full year between July 1, 2023 and June 30, 2024, provide that customer-generator's total production per month in kWh for each of the twelve months.
  - i. For all customer-generators receiving any net-metering credits for the full year between July 1, 2023 and June 30, 2024, provide the net-metering credits or debits, in dollars and kWh, attributed to that customer per month for each of the twelve months.
3. Please describe the metering hardware that customers on NEM 1.0 use, including brand, model number, and an explanatory schematic diagram. Provide a clear description of how measurement of exports and imports works.
4. Please describe the metering hardware that customers on NEM 2.0 use, including brand, model number, and an explanatory schematic diagram. Provide a clear description of how measurement of exports and imports work.
5. If the Commission were to implement an NEM 3.0 that required sampling in increments of five minutes or less, what brand, including model number, would the company use? Please provide an explanatory schematic diagram.

6. For NEM 2.0 how is the data processed? Discuss how the utilities read the information from the meter and at what frequency (monthly?), and how does this information make its way onto a customer's bill. Show an example of the meter reading for a residential solar customer and a monthly customer bill.
7. Please confirm both residential and commercial bi-directional meters capture a net-metered customer's total consumption of electricity, in its entirety. If not, how is the residual consumption treated based on the company's tariff.
8. What changes are necessary for the metering infrastructure to accommodate net-metering customers' ability to leverage electricity storage and more instantaneous netting, ideally five-minute intervals or faster, to allow such customers to extract benefits from away and production towards peak demand periods?
9. Please confirm whether the currently used bi-directional meters can accommodate a more instantaneous netting than the monthly netting for small customer generators? If yes, please explain to what extent.
10. With respect to net-metering, are the utilities aware of any state jurisdiction where the netting of consumption and production of electricity is more instantaneous than the monthly-netting that is currently in place in New Hampshire? If so, please provide that information.
11. If the netting is changed to hourly netting for small customer-generators for the energy component, please explain what changes the utilities will need to make to the metering infrastructure and estimate the cost to implement each change. Also explain what changes will be required if the netting for small customer-generators for the energy component is changed to five-minute netting.
12. Show a high-level system diagram for residential solar with the bi-directional meter that includes the rooftop solar, and the house consumption. Show where the bi-directional meter is located on the system diagram and confirm that all solar energy generated by the solar array is captured and that all energy consumption from the house is captured.


#### Record Requests for CPCNH

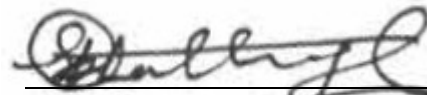
13. When looking at the current utility default service cost components, which ones would CPCNH recommend including, and not including, in the energy rate for utility net-metered customers. Please list all cost components and their recommended treatment. Would it be the same for residential and commercial customers?
14. For the question above, will CPCNH handle its net-metering customers in the same way?
15. Please explain with an example how CPCNH envisions using the "Base Energy Service Rate" in lieu of the Default Service Rate for energy to implement the compensation mechanism as proposed, given that the current default service

approach sets rates based on a mix of direct procurement from the ISO-NE markets, and solicitation for the remaining load.

16. Please provide a short and simple narrative on the advantages and disadvantages of moving from the energy component being the default service rate to proposed "Base Energy Service Rate."

So ordered, this twenty-fifth day of November, 2024.

  
\_\_\_\_\_  
Daniel C. Goldner  
Chairman

  
\_\_\_\_\_  
Pradip K. Chattopadhyay  
Commissioner

# Service List - Docket Related

Docket#: 22-060

Printed: 11/25/2024

Email Addresses

---

ClerksOffice@puc.nh.gov  
nhregulatory@eversource.com  
denise@colonialpowergroup.com  
scott.anderson@eversource.com  
HerbArcher3@gmail.com  
bargetsinger@keyesfox.com  
Christopher.aslin@doj.nh.gov  
Michelle.Azulay@libertyutilities.com  
robertbackus05@comcast.net  
sabaker@trccompanies.com  
tomb@crossborderenergy.com  
andrew.belden@eversource.com  
Clifton.Below@CommunityPowerNH.gov  
eborden@synapse-energy.com  
lbourgoine@revisionenergy.com  
jeb.bradley@leg.state.nh.us  
mbrown@consumerenergyalliance.org  
eburgess@strategen.com  
rburke@nhla.org  
brian.callnan@communitypowernh.gov  
Mark@colonialpowergroup.com  
glenn@scenicnursery.net  
carroll@unitil.com  
clyde.carson@gmail.com  
pchernick@resourceinsight.com  
jessica.chiavara@eversource.com  
dclapp@revisionenergy.com  
samuel.crawford@navigant.com  
ariel.crowley@navigant.com  
edward.davis@eversource.com  
debski@unitil.com  
Deana.Dennis@CommunityPowerNH.gov  
Energy-Litigation@energy.nh.gov  
paul.b.dexter@energy.nh.gov  
james.diluca@eversource.com  
downesm@unitil.com  
eisfeller@unitil.com

joshua.w.elliott@energy.nh.gov  
eemerson@primmer.com  
sam@cleanenergynh.org  
kfiori@nexamp.com  
kfriend@nexamp.com  
furino@unitil.com  
sandra.gagnon@eversource.com  
erik.gilbert@navigant.com  
aglaserschhoff@synapse-energy.com  
golding@communitychoicepartners.com  
cgordon@revisionenergy.com  
egreen@clf.org  
austin.perea@arcadia.com  
harringt1@metrocast.net  
bhavumaki@synapse-energy.com  
b.hayden@standardpower.com  
isabelle.hazlewood@eversource.com  
greg@clearpath.energy  
alex.hill@dunsky.com  
steveh@revisionenergy.com  
dholt@consumerenergyalliance.org  
mhorne@hcc-law.com  
jameskw@nhbfa.com  
jkennerly@seadvantage.com  
jack.kenworthy@waldenrenewables.com  
david@clearpath.energy  
bking31415@gmail.com  
nkrakoff@clf.org  
donald.m.kreis@oca.nh.gov  
anirudh.kshemendranath@dunsky.com  
rlabrecque@agilitasenergy.com  
alexandra.k.ladwig@energy.nh.gov  
clane@synapse-energy.com  
alesko@preti.com  
dlittell@bernsteinshur.com  
Business.Agent@ibew490.org  
t.macdowell@standardpower.com  
manzelli@nhlandlaw.com  
alexmarquez146@gmail.com  
pmartin2894@yahoo.com  
smaslansky@nhcdfa.org  
Alyssa.Maston@libertyutilities.com  
erik.mellen@eversource.com  
Erica.Menard@libertyutilities.com  
tmichelman@seadvantage.com  
mmineau@essexhydro.com

clayaz23@gmail.com  
tad.montgomery@LebanonNH.gov  
info@mainstreetbookends.com  
elizabeth.r.nixon@energy.nh.gov  
amanda.o.noonan@energy.nh.gov  
ran@essexhydro.com  
jim\_obrien@tnc.org  
ocalitigation@oca.nh.gov  
joliver@vermontlaw.edu  
sormsbee@colonialpowergroup.com  
ipahl@icloud.com  
palma@unitil.com  
austin.perea@arcadia.com  
deandra.m.perruccio@energy.nh.gov  
katherine.peters@eversource.com  
nathan@votesolar.org  
melissa.price@eversource.com  
katherine.provencher@eversource.com  
kim.quirk@gmail.com  
brian.rice@eversource.com  
Katherine.roberge@eversource.com  
bross@consumerenergyalliance.org  
Melissa.Samenfeld@libertyutilities.com  
michael.sheehan@libertyutilities.com  
sshensstone-harris@synapse-energy.com  
david.j.shulock@energy.nh.gov  
karen.sinville@libertyutilities.com  
michael.j.sisto@energy.nh.gov  
chris@cleanenergynh.org  
jsohn@safarienergy.com  
sprague@unitil.com  
stettenheim@norwichtech.com  
anthony.strabone@libertyutilities.com  
taylorp@unitil.com  
teamnh@energyservicesgroup.net  
mark.p.toscano@energy.nh.gov  
stower@nhla.org  
mulin@revisionenergy.com  
jvanrossum@clf.org  
jpvitello@gmail.com  
tanya.p.wayland@energy.nh.gov  
dweeks@revisionenergy.com  
twoolf@synapse-energy.com  
Adam.Yusuf@Libertyutilities.com

