

Topics

- Creation of the New Hampshire Department of Energy
- Net Metering
 - Solar PV Installed Capacity Data and Trend
 - New Hampshire RPS & Net Metering Credit for Class II (Solar) Compliance
 - ➤ Alternative Net Metering Tariff Docket Update
- ➤ New Hampshire Distributed Generation Policy Drivers
 - ➤ 2021 Legislative Update
 - ➤ 2022 Legislative Service Requests

New Hampshire Department of Energy

- Created as part of the state's biennial budget process, establish on July 2, 2021
- > A slimmed down PUC now deals solely with adjudicative matters
- ➤ All the non-adjudicative PUC duties, functions, and programs were combined with the Governor's Energy Office (OSI) to create the new NH Department of Energy

Net Metered Solar Facilities as of September 2021

Electric Distribution Utility	Total # Installs to Date*	Total Installed Capacity (MW)*
Liberty Utilities	755	10.392
New Hampshire Electric Coop.	1,230	12.060
Eversource Energy	8,489	103.875
Unitil Energy Systems, Inc.	1,122	11.421
Total Net Metered Facilities	11,596	137.748

^{*}Based on the utility reports to DOE EIA-861M (formally EIA-826) including system expansions. (Downloaded December 2021. Data is through September 2021.)

Net Metering Capacity Trend (Solar only)

Net Metered Solar PV Capacity

Installed PV Statewide:

3.02 MW (Dec. 2011)

5.06 MW (Dec. 2012)

8.62 MW (Dec. 2013)

12.98 MW (Dec. 2014)

27.25 MW (Dec. 2015)

54.31 MW (Dec. 2016)

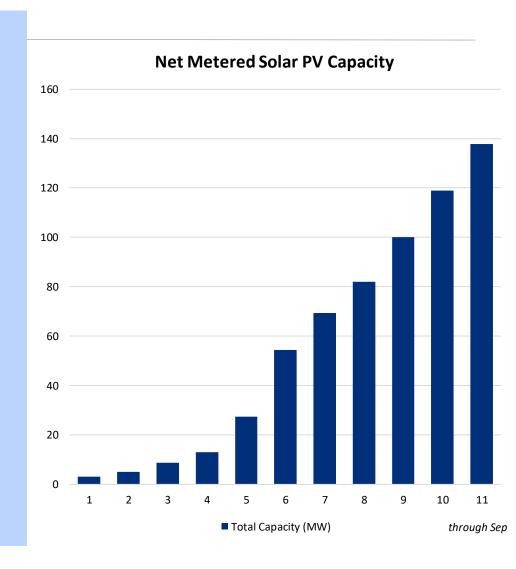
69.42 MW (Dec. 2017)

82.06 MW (Dec. 2018)

100.07 MW (Dec. 2019)

118.83 MW (Dec. 2020)

136.34 MW (Sep. 2021)



Net Metering – Annual Increases (Solar only)

Year	Total Capacity (MW)	Year-to-Year Increase (MW)
2011	3.02	3.02
2012	5.06	2.04
2013	8.621	3.561
2014	12.976	4.355
2015	27.247	14.271
2016	54.309	27.062
2017	69.421	15.112
2018	82.064	12.643
2019	100.073	18.009
2020	118.827	18.748
2021*	137.748	18.921

^{*2021} Data is through September

NEM Tariff Overview & Net Metering Docket (DE 16-576)

- > Effective Date for New Alternative Net Metering Tariff is September 1, 2017
 - Existing NEM systems are grandfathered through 2040.
 - ➤ New systems (under new tariff) are also grandfathered through 2040.
 - New tariff applicable for only Eversource, Unitil, and Liberty Utilities; not for New Hampshire Electric Cooperative.
 - Shift from kWh credit to monetary bill credit
 - > Credit carries forward on customer bill
- Pilot programs and studies continue
 - Locational Value of Distributed Generation Study Order 26,221
 - Final Report filed in August 2020
 - Value of Distributed Energy Resources Study Order 26,316
 - Study is ongoing
 - Final Report filed by late Spring 2022

State Policies and Programs

New Hampshire's RPS (RSA 362-F)

Class II (Solar) RPS requirement : 0.3% in 2017, 0.5% in 2018, 0.6% in 2019, and 0.7% in 2020 and beyond

- Legislative attempts to increase Class II in 2020 session failed, and no attempts were made in 2021 session
- Renewable energy certificates (RECs) awarded to eligible, certified, renewable generators

Class II NEM Credit
2015 = 0.1784%
2016 = 0.2484%
2017 = 0.4026%
2018 = 0.4673%
2019 = 0.4794%
2020 = 0.5584%
2021 = ?%

- New Hampshire's Net Metering & Group Net Metering (RSA 362-A:9)
 - ➤ Puc 900 Administrative Rules will be updated again
 - Creation of the Department, transfer of rules from PUC to DOE
 - ➤ Municipal host updates

RPS & Net Metering 2021 Legislative Updates

2021 Legislation

A Net Metering Compromise:

- House Bill 315 relative to the aggregation of electric customers and municipal host customer generators serving political subdivisions
 - > Creates a carve out in New Hampshire's net metering law to allow political subdivisions to net meter up to 5MW.
 - ➤ Political subdivisions include: cities, towns, counties, school districts, charter schools, village districts, SAUs, etc.
 - ➤ Must all be in the same utility service territory
 - ➤ Effective August 26, 2021

Technical Changes:

Senate Bill 91, adopting omnibus legislation on renewable energy and utilities

Legislation Vetoed – None

RPS & Net Metering 2022 Legislative Service Requests (as of November 19, 2021)

LSR	DESCRIPTION
2022-2035	relative to the purchase of output of limited electrical energy producers and including qualifying storage system.
2022-2094	requiring notification to renewable energy customer-generators of issues related to renewable energy credits.
2022-2763	relative to customer generators who sell renewable energy certificates.
2022-2264	requiring the public utilities commission to consider climate change in making rate-setting decisions.
2022-2806	relative to net energy metering limits for individual and business customers.
2022-2804	relative to renewable energy customer-generators accounts and credits.
2022-2805	establishing a revolving clean energy accelerator fund in the department of energy.
2022-2526	relative to default service for net metering.
2022-2732	relative to reducing the rebates distributed by the energy efficiency fund.
2022-2531	relative to installation of solar photovoltaic energy systems by owners subject to deed restrictions in a homeowners association.
2022-2913	relative to the definition of "municipal host" for purposes of limited electrical energy producers.

Thank you

Josh Elliott

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New Hampshire Department of Energy

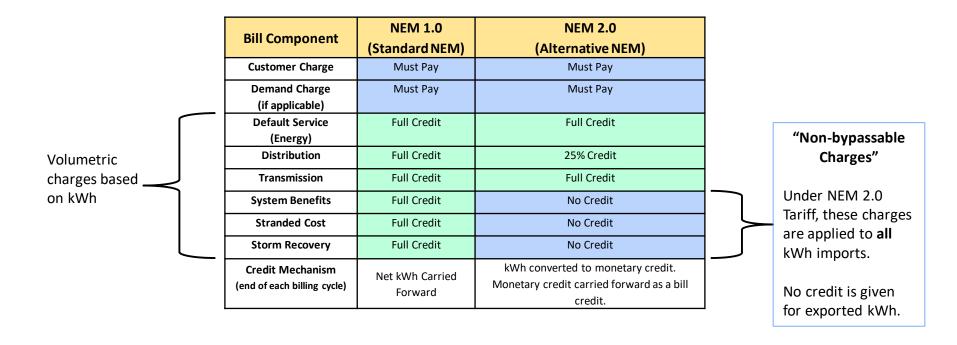
Joshua.W.Elliott@energy.nh.gov

603-271-6003

New website:

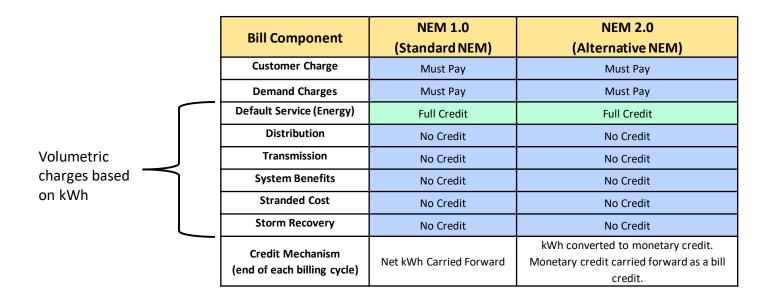
https://www.energy.nh.gov/renewable-energy

Net Energy Metering Tariff - Systems Less Than or Equal to 100 kW_{AC}



For ease of reference, **NEM 1.0** (Standard NEM) refers to the net metering tariff in effect prior to September 1, 2017 and **NEM 2.0** (Alternative NEM) refers to the net metering tariff in effect beginning September 1, 2017.

Net Energy Metering Tariff Systems > 100 kW_{AC} and <= 1 MW_{AC}



For ease of reference, **NEM 1.0** (Standard NEM) refers to the net metering tariff in effect prior to September 1, 2017 and **NEM 2.0** (Alternative NEM) refers to the net metering tariff in effect beginning September 1, 2017.