

## December 2022 Distributed Generation Survey Results

**Distributed Generation Forecast** 

**ISO-NE PUBLIC** 

Working Group

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LOAD FORECAST ANALYST, SYSTEM PLANNING

## DECEMBER 2022 PHOTOVOLTAIC (PV) SURVEY RESULTS

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## **Notice: Slide Deck Updated**

• This presentation has been updated since the February 17<sup>th</sup>, 2023 DGFWG meeting to include 16 MW of BTM PV that were not originally included in VEC's totals.

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## **Determining Cumulative PV Totals**

December 2022 Distribution Owner Survey Data

- ISO requested distribution owners to provide the total nameplate of all individual PV projects (in MW<sub>AC</sub>) that is already installed and operational within their respective service territories as of December 31, 2022
  - PV projects include FCM, EOR, and BTM PV projects
- The following Distribution Owners responded:

СТ	CL&P, CMEEC, UI	
ME	CMP, Versant	
МА	Braintree, Chicopee, Reading, National Grid, NSTAR,	
IVIA	Shrewsbury, Unitil, WMECO	
NH	Liberty, NHEC, PSNH, Unitil	
RI	Rhode Island Energy	
VT	Burlington, GMP, Stowe, VEC, VPPSA, WEC	

- Thank you to all respondents for providing timely information
- Based on respondent submittals, installed and operational PV resource totals by state and distribution owner are listed on the next slides

## **December 2022 Cumulative PV Totals**

#### State-by-State

The table below reflects statewide aggregated PV data provided to ISO by regional Distribution Owners. The values represent installed nameplate as of 12/31/22.

State	Installed Capacity (MW <sub>AC</sub> )	No. of Installations
Massachusetts*	3,289	150,020
Connecticut	912	73,553
Vermont*	468	19,348
New Hampshire	183	14,427
Rhode Island	326	17,034
Maine	295	8,583
New England	5,473	282,965

\* Includes values based on MA SREC data or VT SPEED data

## December 2022- Cumulative PV Totals (1 of 2)

#### Summary of Distribution Owner PV Data

State	Utility	Installed Capacity (MW <sub>AC</sub> )	No. of Installations			
СТ	Connecticut Light & Power	711	54,496			
	Connecticut Municipal Electric Energy Co-op	15	9			
	United Illuminating	186	19,048			
	Total	912	73,553			
MA	Braintree Electric Light Department	6	43			
	Chicopee Electric Light	13	43			
	Unitil (FG&E)	48	2,623			
	National Grid	1,721	80,359			
	NSTAR	993	49,378			
	Reading Municipal Lighting Plant	4	224			
	Shrewsbury Electric & Cable Operations	7	131			
	SREC I	54	589			
	SREC II	97	1,672			
	Western Massachusetts Electric Company	346	14,958			
	Total	3,289	150,020			
ME	Central Maine Power	259	7,554			
	Versant*	36	1,029			
	Total	295	8,583			

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\* Does not include installations in Maine Public District

## December 2022 Cumulative PV Totals (2 of 2)

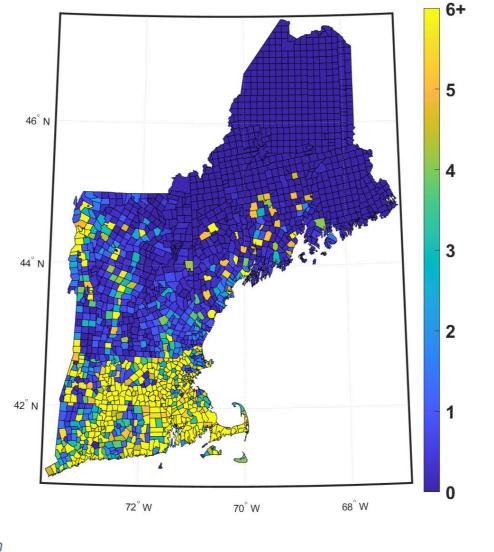
Summary of Distribution Owner PV Data

State	Utility	Installed Capacity (MW <sub>AC</sub> )	No. of Installations				
NH	Liberty Utilities	15	1,056				
	New Hampshire Electric Co-op	18	1,573				
	Public Service of New Hampshire	133	10,270				
	Unitil (UES)	17	1,528				
	Total	183	14,427				
RI	National Grid	326	17,034				
	Total	326	17,034				
	Burlington Electric Department	9	376				
VT	Green Mountain Power	384	15,047				
	Stowe Electric Department	3	115				
	Vermont Electric Co-op	42	2,311				
	Vermont Public Power Supply Authority	22	709				
	Washington Electric Co-op	7	790				
	Total	468	19,348				
New England 5,473		282,965					

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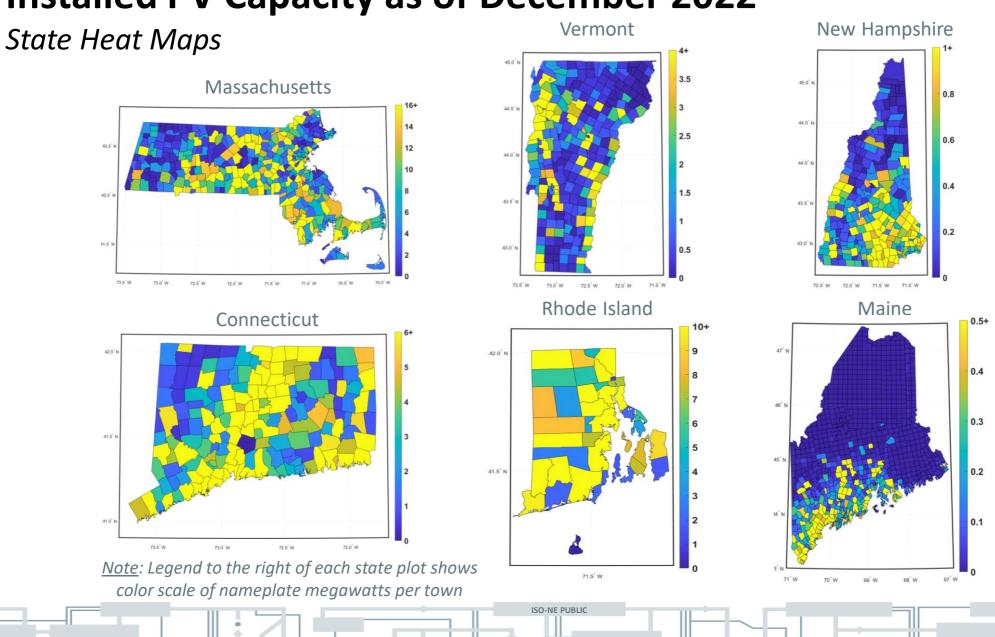
## **Installed PV Capacity as of December 2022**

#### Regional Heat Map



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<u>Note</u>: Legend to the right of heat map shows color scale of nameplate megawatts per town

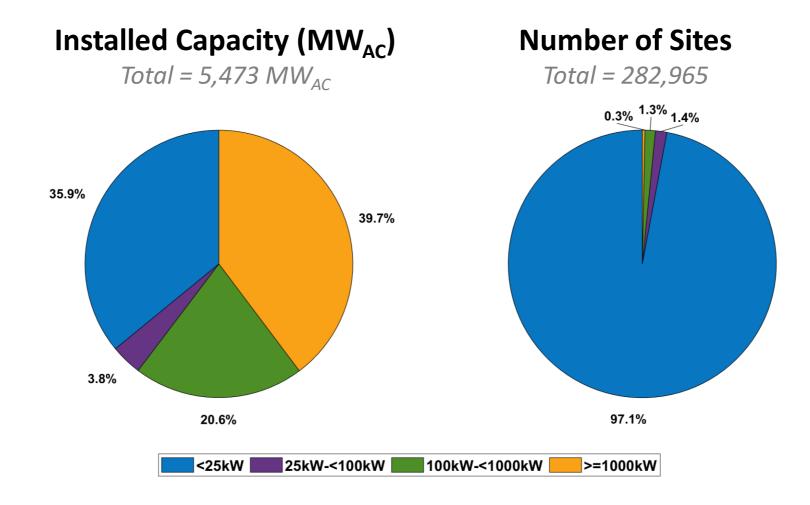


## **Installed PV Capacity as of December 2022**

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## **Installed PV Capacity as of December 2022**

ISO-NE by Size Class



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# Questions

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