



December 2020 Distributed Generation Survey Results

*Distributed Generation Forecast
Working Group*

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DECEMBER 2020 PHOTOVOLTAIC (PV) SURVEY RESULTS

Determining Cumulative PV Totals

December 2020 Distribution Owner Survey Data

- ISO requested distribution owners to provide the total nameplate of all individual PV projects (in MW_{AC}) that is already installed and operational within their respective service territories as of December 31, 2020
 - PV projects include FCM, EOR, and BTM PV projects that are < 5 MW_{AC} in nameplate capacity
- The following Distribution Owners responded:

CT	CL&P, CMEEC, UI
ME	CMP, Versant
MA	Braintree, Chicopee, Reading, National Grid, NSTAR, Shrewsbury, Unitil, WMECO
NH	Liberty, NHEC, PSNH, Unitil
RI	National Grid
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 2020 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 12/31/20.

State	Installed Capacity (MW _{AC})	No. of Installations
Massachusetts*	2,502.28	114,487
Connecticut	682.26	53,758
Vermont*	393.48	15,344
New Hampshire	125.32	10,757
Rhode Island	223.75	9,688
Maine	68.83	5,597
New England	3,995.93	209,631

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

December 2020- Cumulative PV Totals (1 of 2)

Summary of Distribution Owner PV Data

State	Utility	Installed Capacity (MW _{AC})	No. of Installations
CT	Connecticut Light & Power	519.94	38,918
	Connecticut Municipal Electric Energy Co-op	13.43	7
	United Illuminating	148.89	14,833
	Total	682.26	53,758
MA	Braintree Electric Light Department	5.46	34
	Chicopee Electric Light	13.14	35
	Unitil (FG&E)	32.68	1,897
	National Grid	1,316.36	60,108
	NSTAR	689.40	38,217
	Reading Municipal Lighting Plant	7.92	169
	Shrewsbury Electric & Cable Operations	6.32	97
	SREC I	54.21	589
	SREC II	96.60	1,672
	Western Massachusetts Electric Company	280.19	11,669
	Total	2,502.28	114,487
ME	Central Maine Power	59.67	4,649
	Versant	9.16	948
	Total	68.83	5,597

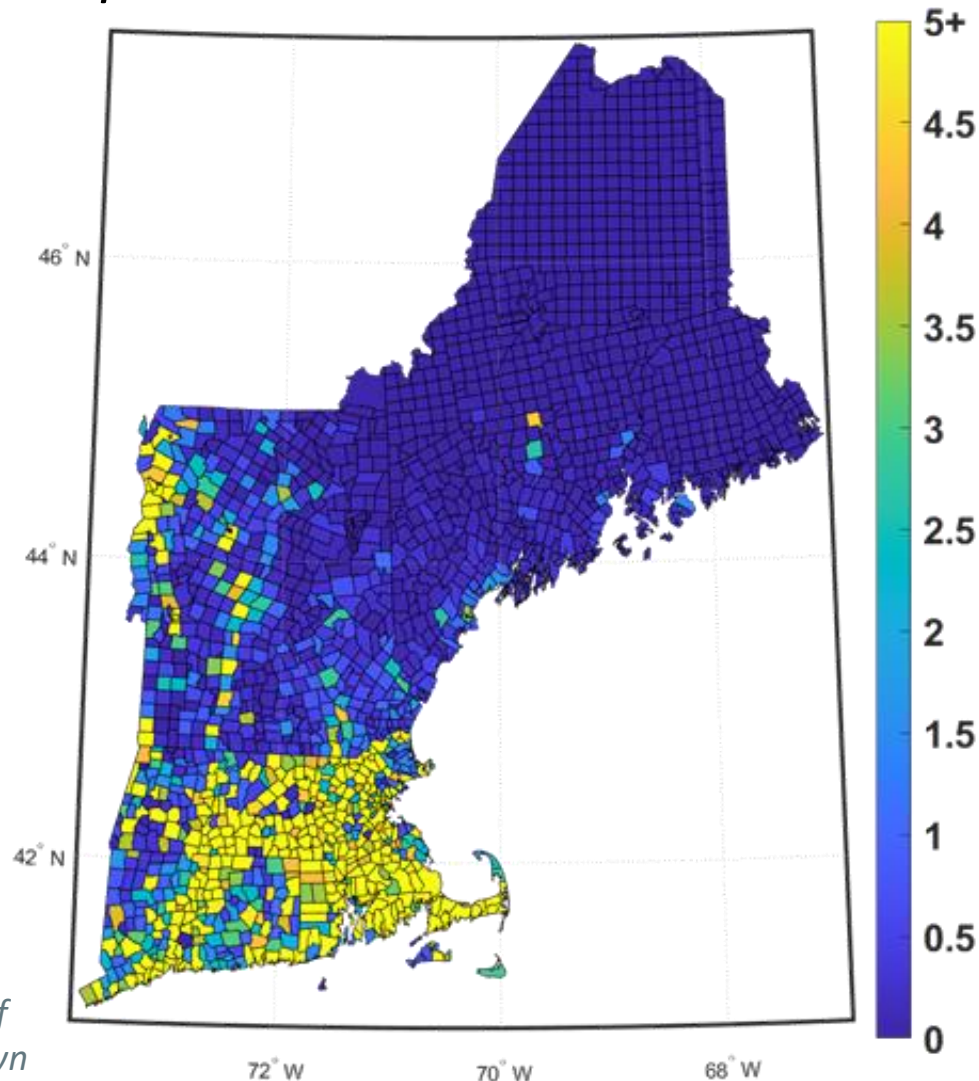
December 2020 Cumulative PV Totals (2 of 2)

Summary of Distribution Owner PV Data

State	Utility	Installed Capacity (MW _{AC})	No. of Installations
NH	Liberty Utilities	10.43	740
	New Hampshire Electric Co-op	13.04	1,238
	Public Service of New Hampshire	90.19	7,743
	Unitil (UES)	11.66	1,036
	Total	125.32	10,757
RI	National Grid	223.75	9,688
	Total	223.75	9,688
VT	Burlington Electric Department	8.46	315
	Green Mountain Power	330.09	11,969
	Stowe Electric Department	2.65	105
	Vermont Electric Co-op	33.75	1,750
	Vermont Public Power Supply Authority	11.40	600
	Washington Electric Co-op	7.13	605
	Total	393.48	15,344
New England		3,995.93	209,631

Installed PV Capacity as of December 2020

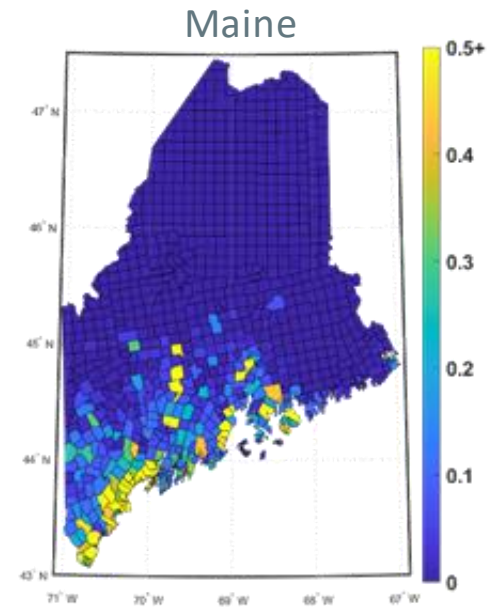
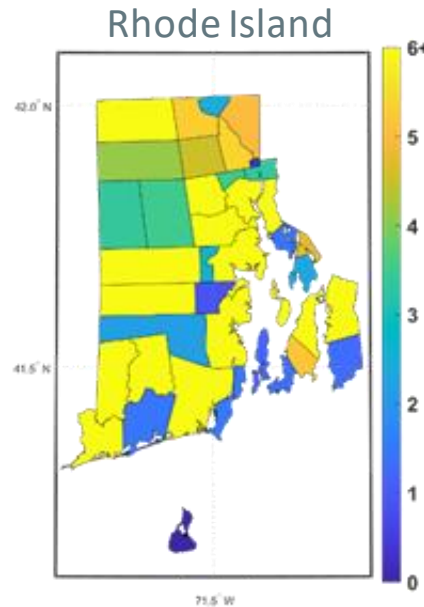
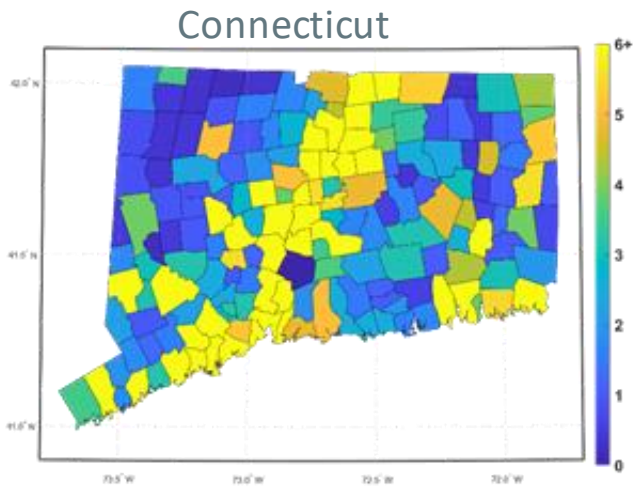
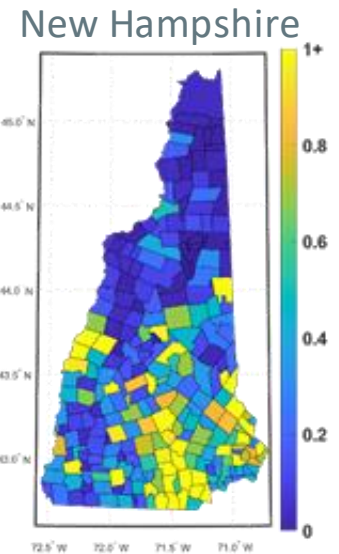
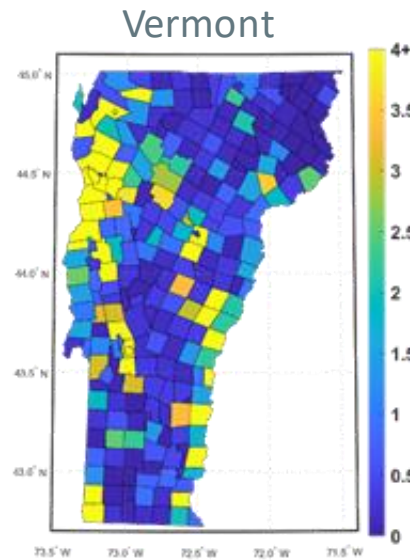
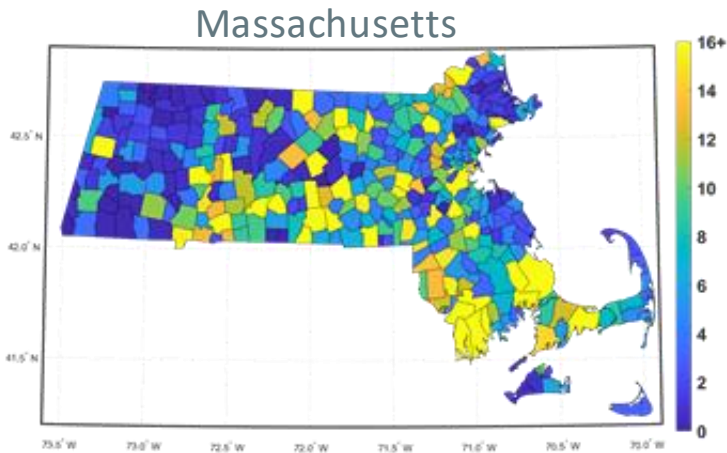
Regional Heat Map



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

Installed PV Capacity as of December 2020

State Heat Maps



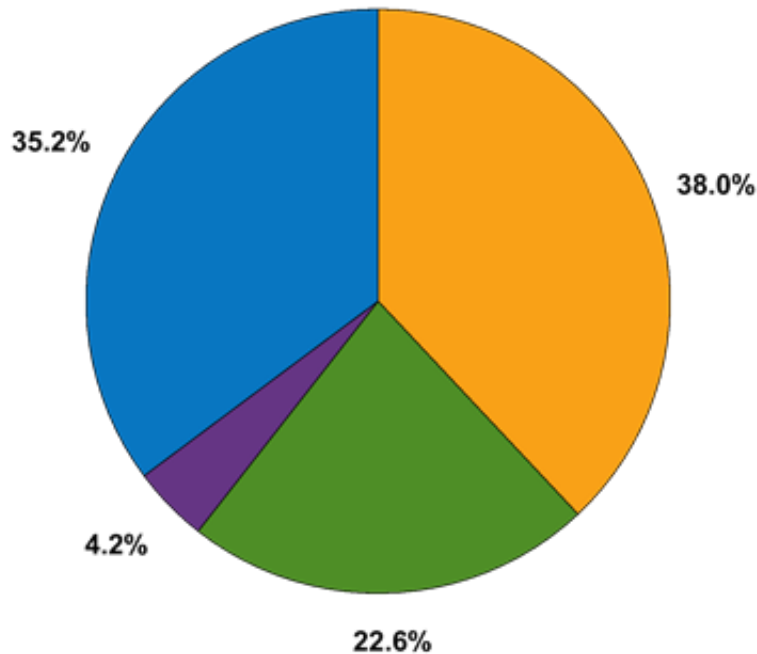
Note: Legend to the right of each state plot shows color scale of nameplate megawatts per town

Installed PV Capacity as of December 2020

ISO-NE by Size Class

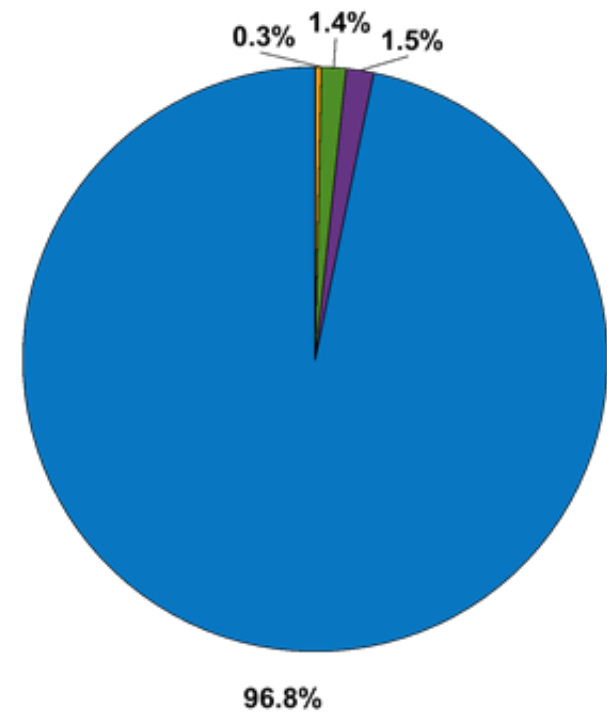
Installed Capacity (MW_{AC})

Total = 3,996 MW_{AC}



Number of Sites

Total = 209,631



Questions

