



December 2015 Distributed Generation Survey Results

Distributed Generation Forecast Working Group

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DECEMBER 2015 PV SURVEY RESULTS



Determining Total PV Installed Through December 2015

- ISO requested distribution owners to provide the total nameplate PV (in MW_{ac}) that is already installed and operational within their respective service territories as of December 31, 2015
- The following Distribution Owners responded:
 - CT: CL&P, CMEEC, UI
 - ME: CMP, Emera Maine,
 - MA: Braintree, Chicopee, National Grid, NSTAR, Reading, Shrewsbury, Unitil, WMECo
 - NH: Liberty, NHEC, PSNH, Unitil
 - RI: National Grid
 - VT: Burlington, GMP, Stowe, VEC, VPPSA, WEC
- Based on respondent submittals, installed and operational PV resource totals by distribution owner and state are listed on the next slides



December 2015 Year-To-Date PV Installed Capacity

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 12/31/15.

State	Installed Capacity (MW _{ac})
Connecticut	188.01
Maine	15.34
Massachusetts	947.11*
New Hampshire	26.36
Rhode Island	23.59
Vermont	124.57*
New England Total	1,325.00

Notes:

*Includes values based on MA SREC data associated with 43 MA munis and VT SPEED data for 3 VT munis that did not provide individual responses



December 2015 Year-to-Date Installed PV by Utility

State & Utility	Installed Capacity (MW _{ac})
Connecticut	188.01
Connecticut Light & Power	158.99
Connecticut Municipal Electric Energy Co-op	0.45
United Illuminating	29.03
Maine	15.34
Central Maine Power	13.44
Emera	1.91
Massachusetts	947.11
Braintree Electric Light Dept	1.75
Chicopee Electric Light	7.83
National Grid	457.7
NSTAR	338.03
Shrewsbury Electric & Cable Operations	2.76
Unitil (FG&E)	10.71
Reading Municipal Lighting Plant	1.14
Western Massachusetts Electric Company	61.72
Other Municipals (Per MA SREC data)	65.40



December 2015 Year-to-Date Installed PV by Utility

State & Utility	Installed Capacity (MW _{ac})
New Hampshire	26.36
Liberty	1.92
New Hampshire Electric Co-op	3.46
Public Service of New Hampshire	17.79
Unitil	3.12
Rhode Island	23.59
National Grid	23.59
Vermont	124.57
Burlington Electric Department	2.08
Green Mountain Power	104.41
Vermont Electric Co-op	11.25
Vermont Public Power Supply Authority	2.88
Stowe Electric Department	0.31
Washington Electric Co-op	3.64
Other Municipals (per VT SPEED data)	0.10
New England Total	1,325.00



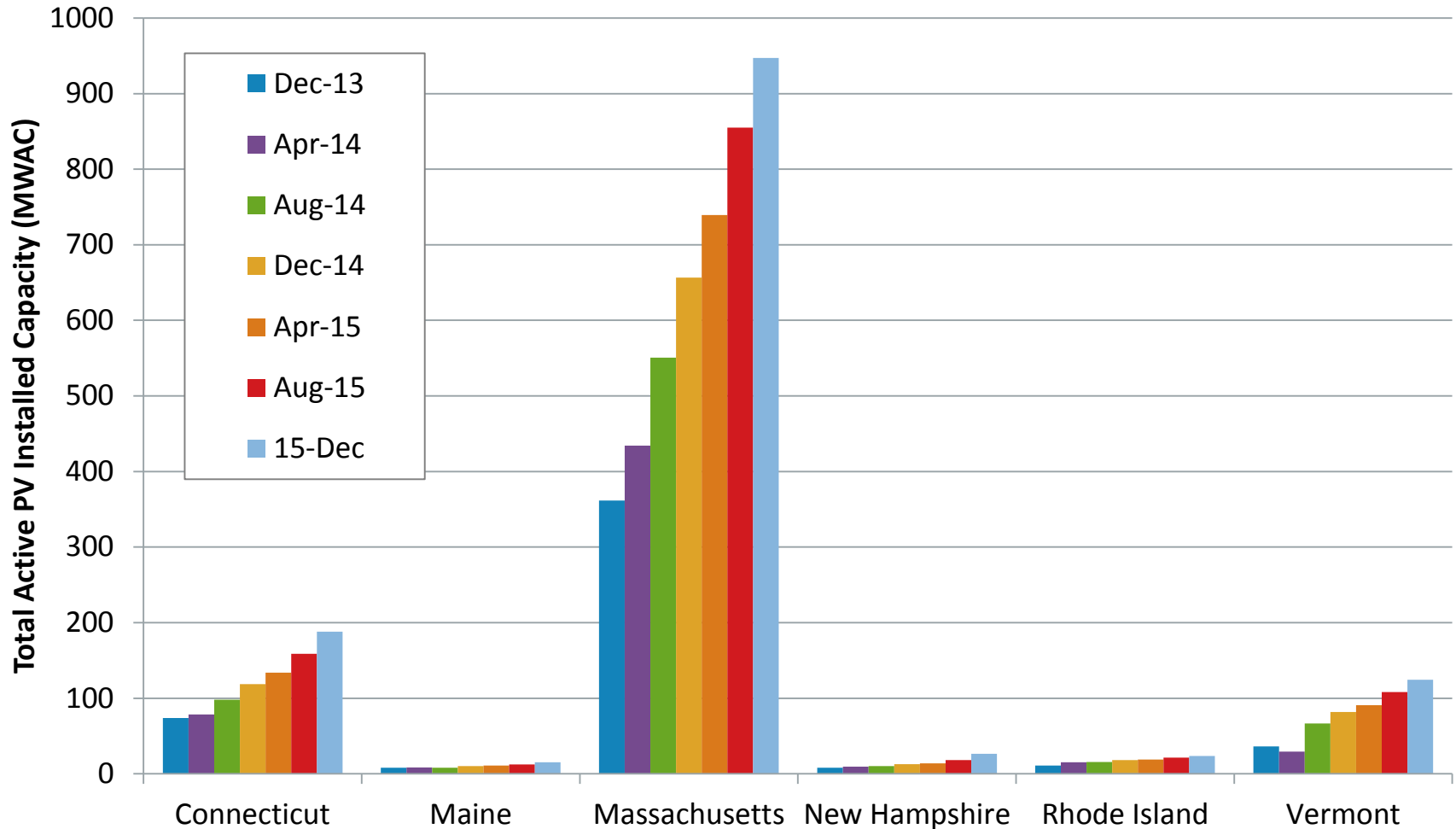
Total Active PV Installed Capacity Survey Results

Reflects statewide aggregated PV data provided to ISO by regional Distribution Owners. Values represent installed megawatt AC (MW_{ac}) nameplate

	Dec 2013	Apr 2014	Aug 2014	Dec 2014	Apr 2015	Aug 2015	Dec 2015
Connecticut	73.75	78.416	98.02	118.80	133.83	158.73	188.01
Maine	8.12	8.512	8.16	10.38	11.04	12.43	15.34
Massachusetts	361.55	434.39	550.54	656.73	739.48	855.03	947.11
New Hampshire	8.22	9.35	10.17	12.74	13.93	18.37	26.36
Rhode Island	10.9	15.29	15.52	18.21	19.08	21.51	23.59
Vermont	36.13	29.40	66.55	81.85	90.76	108.27	124.57
Total	498.67	575.37	748.95	898.71	1,008.11	1,174.34	1,325.00

Total Active PV Installed Capacity Survey

Results 2013-2015 YTD (MW_{ac})



Questions

