

ISO-NE & Regional issues update

vermont electric power company

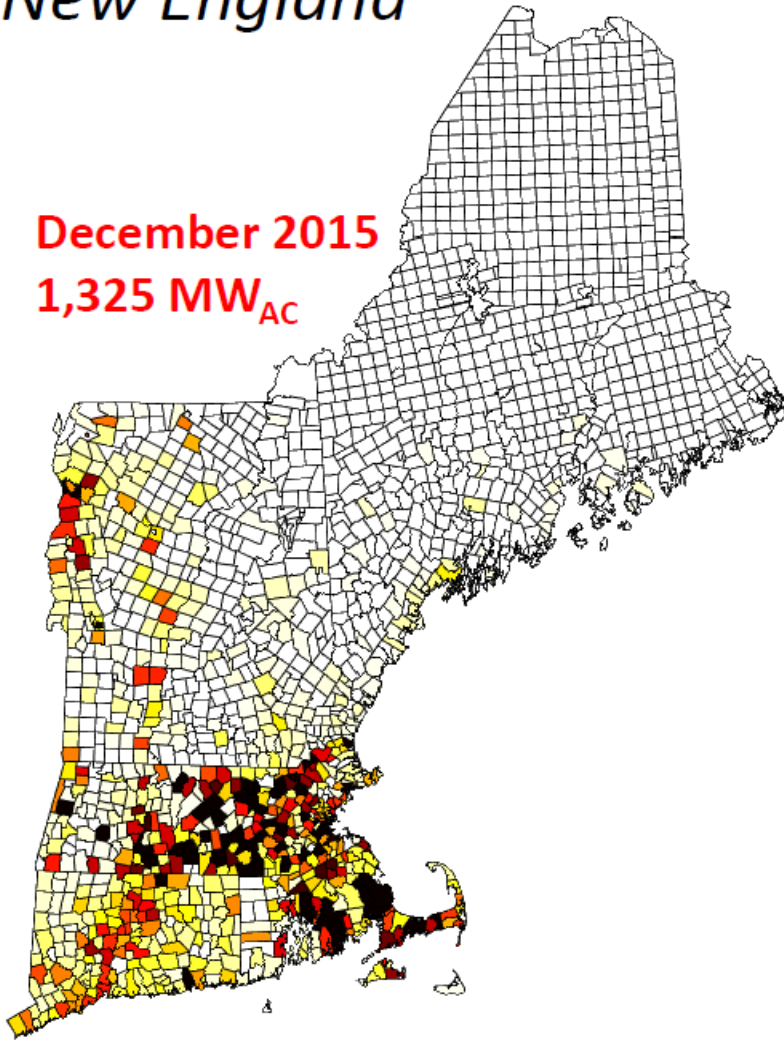


April 2017

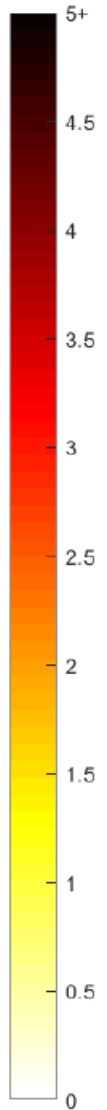
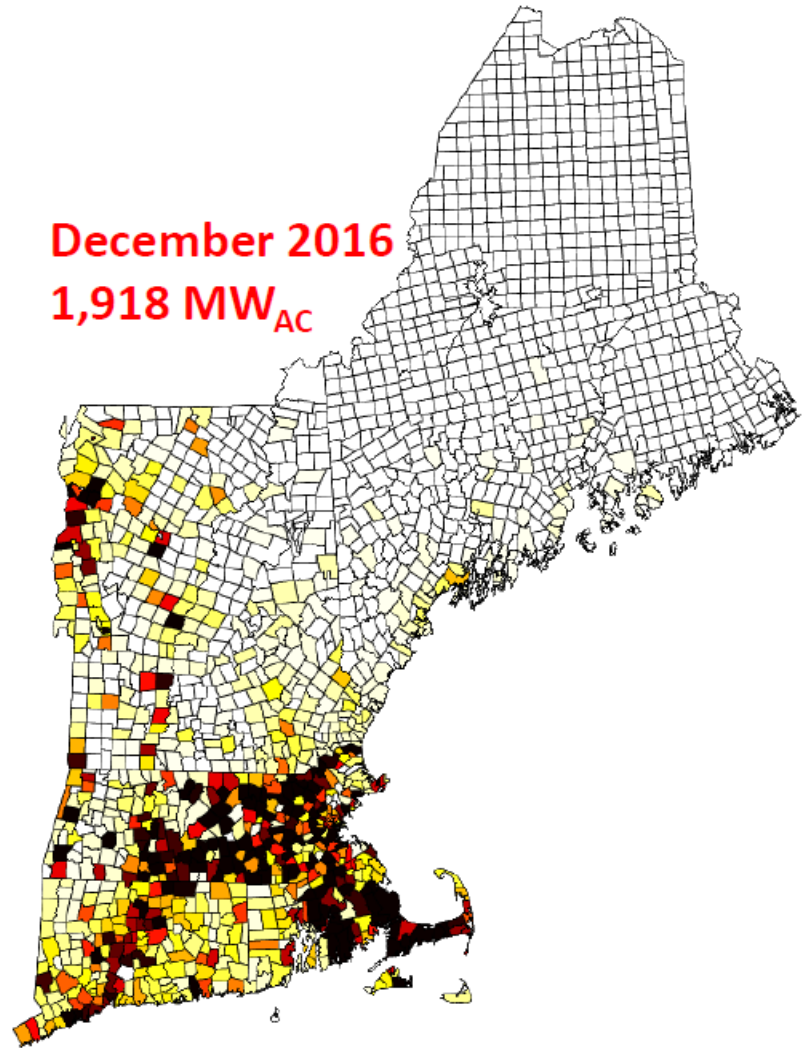
Year-Over-Year Installed PV Capacity

New England

December 2015
1,325 MW_{AC}



December 2016
1,918 MW_{AC}



More information can be found at: [Solar Power in New England: Locations and Impacts](#)

Slide provided by ISO-NE

Draft 2017 PV Forecast

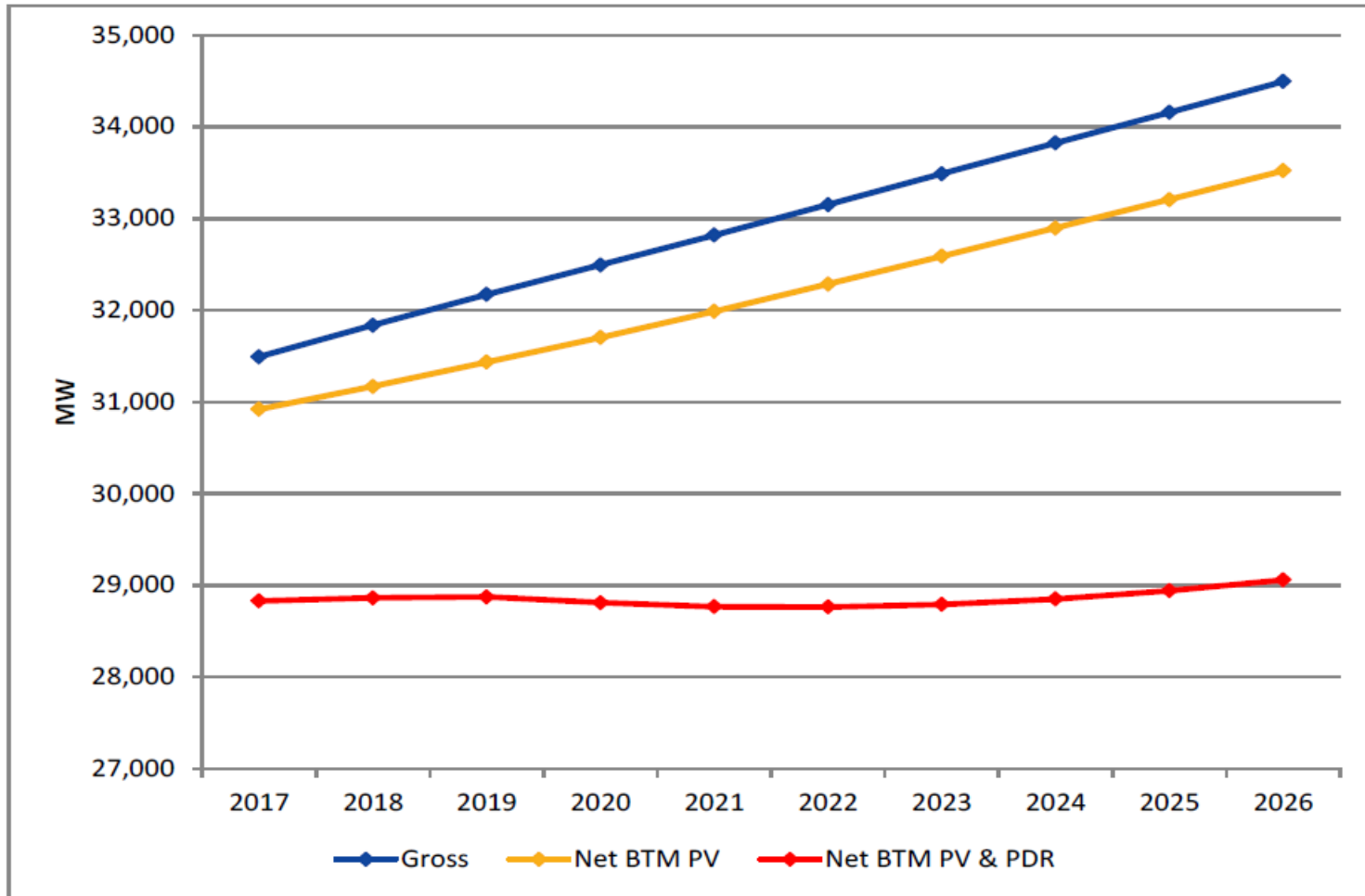
Nameplate Capacity, MW_{ac}

States	Annual Total MW (AC nameplate rating)											Totals
	Thru 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
CT	281.5	109.7	109.7	103.9	48.9	35.5	35.5	35.5	35.5	35.5	35.5	866.6
MA	1324.8	260.2	220.1	133.3	133.3	133.3	133.3	133.3	66.7	66.7	66.7	2,671.7
ME	22.1	6.5	6.5	6.2	6.2	5.8	5.5	5.5	5.5	5.5	5.5	80.6
NH	54.3	17.2	11.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	131.1
RI	36.8	39.3	39.3	31.8	31.8	15.2	10.2	10.2	10.2	10.2	10.2	244.9
VT	198.4	12.2	12.2	11.5	11.5	21.3	20.0	20.0	20.0	20.0	20.0	367.0
Regional - Annual (MW)	1918.0	445.0	399.1	292.7	237.7	217.1	210.5	210.5	143.8	143.8	143.8	4,361.9
Regional - Cumulative (MW)	1918.0	2363.0	2762.1	3054.8	3292.5	3509.7	3720.1	3930.6	4074.4	4218.1	4361.9	4,361.9

Notes:

- (1) Forecast values include FCM Resources, non-FCM Energy Only Generators, and behind-the-meter PV resources
- (2) The forecast reflects discount factors described on slides 24-25

Draft 2017 ISO-NE 90/10 Summer Peak Forecast

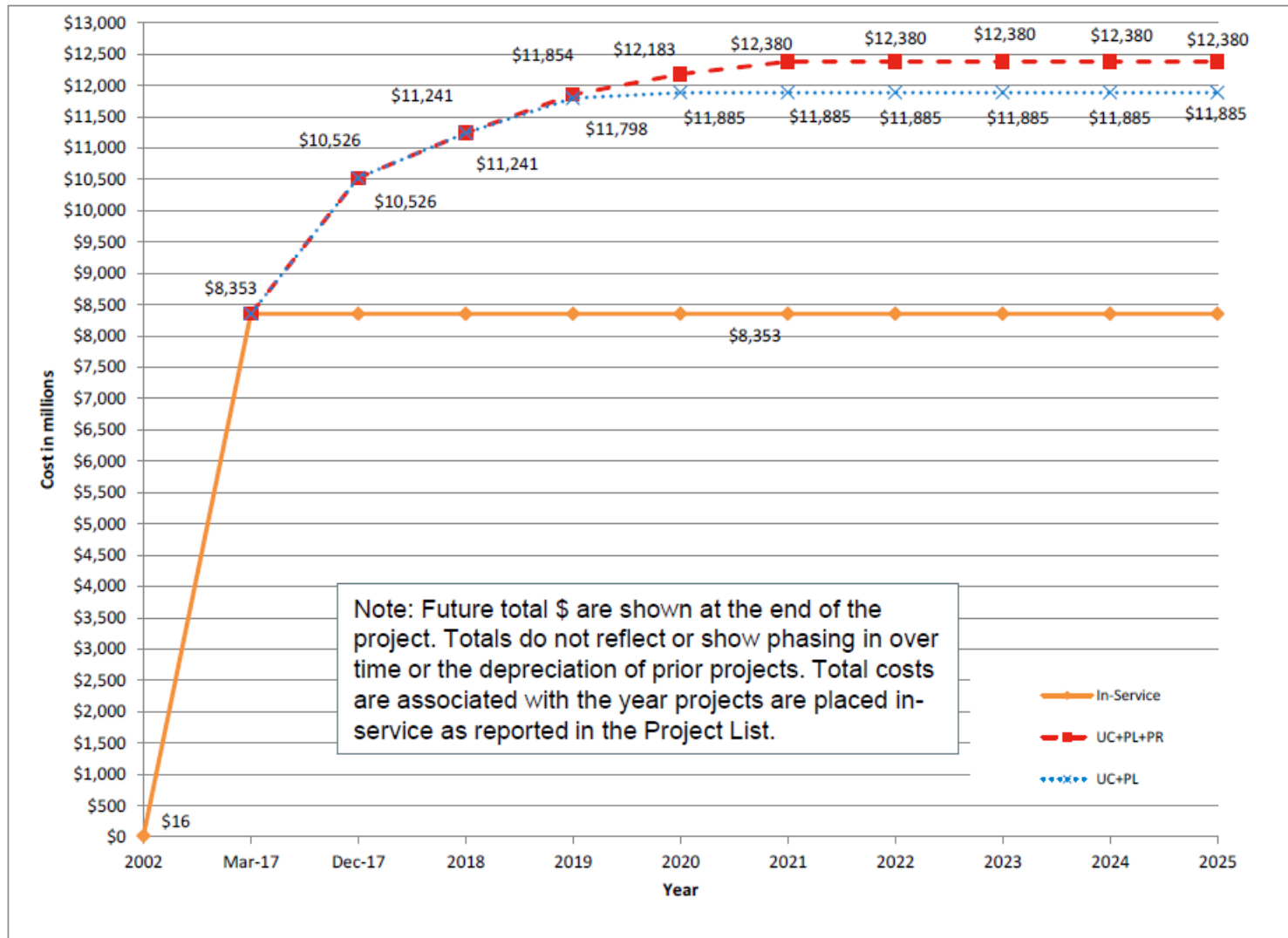


Reliability/planning highlights

- Changes to long range planning studies:
 - Lower load forecast
 - Increased PV in load forecast
 - No appreciable generation retirements in FCM
- Result ISO pausing all long range studies

March 2017 Changes, *cont.*

Cumulative Investment of New England Transmission Reliability Projects through 202



Note: UC – Under Construction, PL – Planned, PR – Proposed

Summary: Project Listing Definitions

- **ISO New England Inc. Transmission, Markets and Services Tariff Section II**
 - **Attachment K, Regional System Planning Process**
 - Definition Of Needs Assessment
 - Definition of Solution Studies
 - **Project Listing Subcategories**
 - **Concept:** shall include a transmission project that is being considered by its proponent as a potential solution to meet a need identified by the ISO in a Needs Assessment or the RSP, but for which there is little or no analysis available to support the transmission project. (Project not well-defined, costs not well-defined, solution implementation not supportable).
 - **Proposed:** The project will include a regulated transmission solution that has been proposed in response to a specific Needs Assessment on the RSP and has been evaluated or further defined and developed in a Solutions Study and communicated to PAC. (Project well-defined, cost estimate quality sufficient for comparison of alternatives).
 - **Planned:** The project will include a Transmission upgrade that has been approved by the ISO, pursuant to Section I.3.9 (presumes Needs Assessment and Solutions Study have been completed). (Still subject to Schedule 12C review for Transmission Cost Allocation)

FERC 206 case

- Negotiating a settlement with the consumer interested parties
- TCA timing: Potential proposal to file a TCA before the start of construction