

# Vermont NTA Workshop

## Focus: Distributed Generation

**October 11, 2013**

**New England States Committee on Electricity**

# NESCOE

- ✓ New England's Regional State Committee governed by a Board of Managers appointed by each of the New England Governors to represent the collective views of the 6 New England states on regional electricity matters
- ✓ Focus: Resource Adequacy, System Planning & Expansion
- ✓ Resources: 6 full-time staff with diverse disciplines & experience supplemented by outside consultants, primarily for transmission engineering & provision of independent analysis
- ✓ More information: including all filings & comments at [www.nescoe.com](http://www.nescoe.com)

*Contact Allison Smith for matters related to DG  
allisonsmith@nescoe.com*

# Overview

---

- Experience with Energy Efficiency Forecast
- Objective for DG Forecast Working Group (DGFWG)
- State representatives to DGFWG
- Data presented at September 30, 2013 DGFWG
  - Solar PV and Net Metering State Goals
- Summary of Investment in DG

# The Point: Account for Consumer Investment in All Resources

## Echoes of Experience with Energy Efficiency

---

- Future EE investment not captured beyond FCM
- ISO-NE developed EE Forecast with help from States and EE Program Administrators
- Various funding for EE used to project future EE MWs in each state
- Data shows on average states spend \$457 million on EE and capture 183 on-peak MW each year.
- EE investment already deferred need for transmission upgrades in Vermont
- Forecast projects \$5.7 billion available for EE and potential to save 1.3 GW on-peak through 2022

# Objective for DG Working Group

**NESCOE letter to ISO-NE dated September 27, 2013 indicates states' interest in taking account of capacity from DG resources in:**

- Resource Adequacy Zones
- The CELT report
- FCM Purchases
- Transmission Studies

**in order to achieve for consumers the full range of benefits from investment in distributed generation**

*NESCOE looks forward to partnering with ISO-NE on the DGFVG to achieve these objectives*

# State Representatives on DGFWG

State	Representative	Department
Connecticut	Veronica Szczerkowski	DEEP
Maine	Denis Bergeron	PUC
Massachusetts	Nathan Phelps	DPU
	Mary Menino	DPU
	Cecile Fraser	DPU
New Hampshire	George McCluskey	PUC
Rhode Island	Chris Kearns	OER
	Commissioner Gold	OER
	Nicholas Ucci	PUC
Vermont	Ed McNamara	PSD
	TJ Poor	PSD
	Mary-Jo Krolewski	PSB

# Solar PV Programs

Solar-Eligible Programs				
State	Goal MW	Installed PV MW	Year End	Goal For
CT	230	50	2019, 2022	ZREC, Sec. 127, CEFIA solar
MA	1600	141	2020	Solar
RI	40	15.9	2014	DG
VT	127.5	16.5	2022	Standard Offer
ME	none			
NH				
Total	1997.5	223.4		

# Net Metering Programs

Net Metering						
	% Load Cap	MW Cap	Installed MW	MW in-process	PV MW	Summer Peak Load**
CT	None	None			50	6913
ME	1% notify	None	12.8			1825
MA	3% pub/priv	665	206	245	142	12126
NH		50	7.6			2119
RI	3%	57.9	11.3	5.6	15.9	1934
VT	4%	42	35.9		32.2	894
Total		814.9	273.6	250.6	240.1	25,811

\*Data presented by states at Sept 30, 2013 DGFVG

\*\*Data added for comparability. July 2012 monthly average peak load

# Investment Summary

---

- 223.4 MW installed PV as of March 2013
- 250 MW more PV anticipated over next 2 years (245 MW in MA, 5 MW in RI)
- Program goals, funding for 1997 MW DG by 2022
- Data by location available for all units
- Some peak-coincident data available from Vermont