

# *Eleventh Forward Capacity Auction for the 2020/2021 Capacity Commitment Period - Demand Resource Summary*

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# DISCLAIMER

- ISO New England is posting additional information on the types of Demand Resources that cleared in the eleventh Forward Capacity Auction, which was held on February 6, 2017 (“FCA #11”).
- This additional information represents ISO New England's assessment of the types of Demand Resource projects that cleared in FCA #11.
- The ISO has assigned resource and project sponsor categories for the purpose of this presentation based on characteristics available in FCTS and CAMS.
- All values represent Summer Cleared MW and include the 8% gross-up factor for avoided transmission and distribution losses.



# Background

- The eleventh Forward Capacity Auction (FCA #11) was held February 6, 2017 and successfully procured resources to satisfy the region's Installed Capacity Requirement (ICR) for the 2020/2021 Capacity Commitment Period (CCP)
- The auction resulted in 3,211 MW of demand resources clearing
  - 640 MW of new demand resources, including 515 MW of Energy Efficiency (EE)
  - 2,571 MW of existing demand resources
- Auction Results were filed with FERC on February 28
  - <https://www.iso-ne.com/participate/filings-orders/ferc-filings>
  - A presentation was made to the Reliability Committee on March 21, 2017 summarizing auction results and trends

*\* All demand resource MW values in this presentation include the T&D loss factor*



# Cleared MW – Demand Resource Type and Load Zone

## Total Existing and New Capacity

Load Zone	Demand Response Capacity Resource	On-Peak	Real-Time Emergency Generation	Seasonal Peak	Total MW
Connecticut	83.743	71.369	0.000	549.233	704.345
Maine	102.178	139.101	0.000	0.000	241.279
NEMA	55.357	754.441	0.000	0.000	809.798
New Hampshire	17.208	120.207	0.000	0.000	137.415
Rhode Island	26.868	266.873	0.000	0.000	293.741
SEMA	32.675	373.639	0.000	0.000	406.314
Vermont	34.079	97.751	0.000	0.000	131.830
WCMA	67.820	392.441	0.000	25.964	486.225
<b>Grand Total</b>	<b>419.928</b>	<b>2,215.822</b>	<b>0.000</b>	<b>575.197</b>	<b>3,210.947</b>

# Cleared MW – Demand Resource Type and Load Zone

## Existing Capacity

Load Zone	Demand Response Capacity Resource	On-Peak	Real-Time Emergency Generation	Seasonal Peak	Total MW
Connecticut	51.272	54.937	0.000	438.849	545.058
Maine	99.235	121.410	0.000	0.000	220.645
NEMA	48.015	561.800	0.000	0.000	609.815
New Hampshire	7.781	99.975	0.000	0.000	107.756
Rhode Island	23.868	207.499	0.000	0.000	231.367
SEMA	30.524	303.243	0.000	0.000	333.767
Vermont	29.148	81.039	0.000	0.000	110.187
WCMA	44.791	342.011	0.000	25.964	412.766
<b>Grand Total</b>	<b>334.634</b>	<b>1,771.914</b>	<b>0.000</b>	<b>464.813</b>	<b>2,571.361</b>

# Cleared MW – Demand Resource Type and Load Zone

## New Capacity

Load Zone	Demand Response Capacity Resource	On-Peak	Real-Time Emergency Generation	Seasonal Peak	Total MW
Connecticut	32.471	16.432	0.000	110.384	159.287
Maine	2.943	17.691	0.000	0.000	20.634
NEMA	7.342	192.641	0.000	0.000	199.983
New Hampshire	9.427	20.232	0.000	0.000	29.659
Rhode Island	3.000	59.374	0.000	0.000	62.374
SEMA	2.151	70.396	0.000	0.000	72.547
Vermont	4.931	16.712	0.000	0.000	21.643
WCMA	23.029	50.430	0.000	0.000	73.459
<b>Grand Total</b>	<b>85.294</b>	<b>443.908</b>	<b>0.000</b>	<b>110.384</b>	<b>639.586</b>

# Cleared MW – Measure Type and Load Zone

Total Existing and New Capacity

Load Zone	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Connecticut	56.230	5.400	0.000	571.497	71.218	704.345
Maine	5.939	0.000	0.000	133.124	102.216	241.279
NEMA	85.079	0.000	0.000	710.693	14.026	809.798
New Hampshire	10.800	0.000	0.000	109.407	17.208	137.415
Rhode Island	35.429	0.000	0.000	255.312	3.000	293.741
SEMA	39.721	1.839	0.000	362.603	2.151	406.314
Vermont	0.000	0.000	0.000	97.751	34.079	131.830
WCMA	48.530	0.718	0.000	382.383	54.594	486.225
<b>Grand Total</b>	<b>281.728</b>	<b>7.957</b>	<b>0.000</b>	<b>2,622.770</b>	<b>298.492</b>	<b>3,210.947</b>



# Cleared MW – Measure Type and Load Zone

## Existing Capacity

Load Zone	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Connecticut	45.106	0.000	0.000	459.261	40.691	545.058
Maine	5.939	0.000	0.000	115.433	99.273	220.645
NEMA	62.077	0.000	0.000	536.412	11.326	609.815
New Hampshire	10.800	0.000	0.000	89.175	7.781	107.756
Rhode Island	34.484	0.000	0.000	196.883	0.000	231.367
SEMA	39.193	1.839	0.000	292.735	0.000	333.767
Vermont	0.000	0.000	0.000	81.039	29.148	110.187
WCMA	46.263	0.718	0.000	333.708	32.077	412.766
<b>Grand Total</b>	<b>243.862</b>	<b>2.557</b>	<b>0.000</b>	<b>2,104.646</b>	<b>220.296</b>	<b>2,571.361</b>





# Cleared MW – Measure Type and Load Zone

## New Capacity

Load Zone	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Connecticut	11.124	5.400	0.000	112.236	30.527	159.287
Maine	0.000	0.000	0.000	17.691	2.943	20.634
NEMA	23.002	0.000	0.000	174.281	2.700	199.983
New Hampshire	0.000	0.000	0.000	20.232	9.427	29.659
Rhode Island	0.945	0.000	0.000	58.429	3.000	62.374
SEMA	0.528	0.000	0.000	69.868	2.151	72.547
Vermont	0.000	0.000	0.000	16.712	4.931	21.643
WCMA	2.267	0.000	0.000	48.675	22.517	73.459
<b>Grand Total</b>	<b>37.866</b>	<b>5.400</b>	<b>0.000</b>	<b>518.124</b>	<b>78.196</b>	<b>639.586</b>

# Cleared MW – Measure Type and Participant Type

## Total Existing and New Capacity

Participant Type	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Merchant	191.502	5.800	0.000	18.013	293.416	508.731
Public Sector	32.061	0.465	0.000	225.048	0.000	257.574
Utility	58.165	1.692	0.000	2,379.709	5.076	2,444.642
<b>Grand Total</b>	<b>281.728</b>	<b>7.957</b>	<b>0.000</b>	<b>2,622.770</b>	<b>298.492</b>	<b>3,210.947</b>

- Merchant includes competitive (non-regulated) providers, energy service companies, retail suppliers, and non-government customers.
- Public Sector includes municipal and state governments, including state efficiency utilities.
- Utility includes investor-owned utilities, municipal electric utilities, and municipal aggregators.

# Cleared MW – Measure Type and Participant Type

## Existing Capacity

Participant Type	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Merchant	154.581	0.400	0.000	14.649	215.220	384.850
Public Sector	32.061	0.465	0.000	190.645	0.000	223.171
Utility	57.220	1.692	0.000	1,899.352	5.076	1,963.340
<b>Grand Total</b>	<b>243.862</b>	<b>2.557</b>	<b>0.000</b>	<b>2,104.646</b>	<b>220.296</b>	<b>2,571.361</b>

# Cleared MW – Measure Type and Participant Type

## New Capacity

Participant Type	Distributed Generation – Fossil Fuel	Distributed Generation – Renewables	Emergency Generation	Energy Efficiency	Load Management	Total MW
Merchant	36.921	5.400	0.000	3.364	78.196	123.881
Public Sector	0.000	0.000	0.000	34.403	0.000	34.403
Utility	0.945	0.000	0.000	480.357	0.000	481.302
<b>Grand Total</b>	<b>37.866</b>	<b>5.400</b>	<b>0.000</b>	<b>518.124</b>	<b>78.196</b>	<b>639.586</b>

