



February 29, 2016

VIA ELECTRONIC FILING

The Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

Re: ISO New England Inc., Docket No. ER16-____-000
Forward Capacity Auction Results Filing
April 14, 2016 COMMENT DATE REQUIRED BY REGULATION

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act (“FPA”)¹ and Section III.13.8.2 of the ISO New England Transmission, Markets and Services Tariff (the “Tariff”),² ISO New England Inc. (the “ISO”) submits this Forward Capacity Auction Results Filing (“FCA Results Filing”) for the tenth Forward Capacity Auction (“FCA”).³ Section III.13.8.2 (a) of the Tariff requires the ISO to file the results of the FCA with the Federal Energy Regulatory Commission (“Commission” or “FERC”) as soon as practicable after the FCA is complete. The tenth FCA was held on February 8, 2016 for the June 1, 2019 through May 31, 2020 Capacity Commitment Period. The ISO submits this filing in accordance with the Tariff.

Pursuant to Section III.13.8.2 (c) of the Tariff, any objection to the FCA results must be filed with the Commission within 45 days from the date of the FCA Results Filing. **Accordingly, any objections must be filed on or before April 14, 2016, and the ISO requests that the Commission issue a notice setting an April 14, 2016 comment date.** As discussed below, the ISO requests an effective date of June 28, 2016, which is 120 days from the date of this submission.

¹ 16 U.S.C. § 824d (2006).

² The rules governing the Forward Capacity Market (“FCM Rules”) are primarily contained in Section III.13 of the Tariff, but also may include other provisions, including portions of Section III.12.

³ Capitalized terms used but not otherwise defined in this filing have the meanings ascribed thereto in the Tariff, the Second Restated New England Power Pool Agreement and the Participants Agreement.

The Honorable Kimberly D. Bose, Secretary

February 29, 2016

Page 2 of 7

In accordance with Section III.13.8.2 of the Tariff, this submission contains the results of the tenth FCA, including the Capacity Zones in the auction; the Capacity Clearing Price in each of those Capacity Zones; a list of which resources received Capacity Supply Obligations in each Capacity Zone; and the amount of those Capacity Supply Obligations. Pursuant to Tariff Section III.12.4, the Capacity Zones for the tenth FCA were the Southeastern New England (“SENE”) Capacity Zone and the Rest-of-Pool Capacity Zone. The SENE Capacity Zone is a combination of the Northeastern Massachusetts/Boston, Southeastern Massachusetts, and Rhode Island Load Zones. The Rest-of-Pool Capacity Zone includes the Connecticut, Maine, Western/Central Massachusetts, New Hampshire, and Vermont Load Zones.

The auction commenced with a starting price of \$17.296/kW-month and concluded for the SENE and Rest-of-Pool Capacity Zones after four rounds. Resources in those Capacity Zones will be paid at the Capacity Clearing Price set pursuant to the system-wide sloped demand curve, which was \$7.030/kW-month.⁴ Imports over the Phase I/II HQ Excess external interface, totaling 166 MW, and imports over the Hydro-Quebec Highgate external interface, totaling 58 MW, will receive \$7.030/kW-month. Imports over the New York AC Ties external interface, totaling 1,044.8 MW, will receive \$6.260/kW-month. Imports over the New Brunswick external interface, totaling 181 MW, will receive \$4.00/kW-month.

Section III.13.8.2 (b) of the Tariff requires the ISO to provide documentation regarding the competitiveness of the FCA. The documentation may include certification from the auctioneer and the ISO that: (i) all resources offering and bidding in the FCA were properly qualified in accordance with the provisions of Section III.13.1; and (ii) the FCA was conducted in accordance with the provisions of Section III.13. Pursuant to Section III.13.8.2 (b), the ISO has included the Testimony of Stephen J. Rourke, Vice President of System Planning at the ISO (“Rourke Testimony”), the Testimony of Robert G. Ethier, Vice President of Market Operations at the ISO (“Ethier Testimony”), the Testimony of Jeffery McDonald, Vice President of Market Monitoring and the Internal Market Monitor (“IMM”) at the ISO (“McDonald Testimony”), and the Testimony of Lawrence M. Ausubel, the auctioneer (“Ausubel Testimony”).

The ISO tenders the instant filing in compliance with Section III.13.8.2 of its Tariff pursuant to Section 205 of the FPA, and the ISO requests that the Commission find that the ISO conducted the tenth FCA in accordance with its FERC-approved Tariff.

I. COMMUNICATIONS

All correspondence and communications in this proceeding should be addressed to the undersigned as follows:

⁴ Existing resources with multi-year obligations from previous auctions will be paid based on the Capacity Clearing Price in the auction in which they originally cleared. Self-supplied resources will not be paid through the FCM.

The Honorable Kimberly D. Bose, Secretary
February 29, 2016
Page 3 of 7

Kevin W. Flynn, Esq.
Senior Regulatory Counsel
ISO New England Inc.
One Sullivan Road
Holyoke, MA 01040-2841
Tel: (413) 535-4177
Fax: (413) 535-4379
E-mail: kflynn@iso-ne.com

II. STANDARD OF REVIEW

The ISO tenders the instant filing in compliance with Section III.13.8.2 of its Tariff and pursuant to Section 205 of the FPA.⁵ The ISO respectfully requests that the Commission find that the tenth FCA Results Filing meets the standard of Section 205, in that the results are just and reasonable rates derived from the auction that was conducted in accordance with the ISO's FERC-approved Tariff. The attached testimonies support this conclusion, and provide the basis for the Commission to approve the resulting rates.

III. REQUESTED EFFECTIVE DATE

The ISO respectfully requests that the Commission accept the tenth FCA Results Filing, confirming that the auction was conducted in conformance with the ISO's Commission-approved Tariff, to be effective June 28, 2016 which is 120 days after the date of submission. Under the Tariff, parties have 45 days to file with the Commission an objection to the FCA Results Filing. An effective date of 120 days from the date of submission gives interested parties an opportunity to respond to any objections and provides the Commission time to review the FCA Results Filing and associated pleadings.

IV. SPECIFIC FCA RESULTS

A. Capacity Zones Resulting From the Auction

Section III.13.8.2 (a) of the Tariff requires the ISO to provide the Capacity Zones resulting from the FCA. The Capacity Zones for the tenth FCA were SENE and Rest-of-Pool. The Capacity Zones determined under Section III.13.2.3.4 of the Tariff are the same Capacity Zones that were modeled pursuant to Section III.12.4 of the Tariff.

B. Capacity Clearing Price

The Tariff requires the ISO to provide the Capacity Clearing Price in each Capacity Zone (and, pursuant to Section III.13.2.3.3 (d), the Capacity Clearing Price associated with certain imports, if applicable).⁶

⁵ It should be noted that the Commission has consistently held that the matters properly in dispute in the annual FCA results filing are the results of the FCA and not the underlying market design or rules. *See e.g., ISO New England Inc.*, 130 FERC ¶ 61,145 at P 33 (2010) (finding that challenges to the FCM market design are outside the scope of the proceeding evaluating the FCA results filing).

⁶ Tariff Section III.13.8.2 (a).

The Honorable Kimberly D. Bose, Secretary

February 29, 2016

Page 4 of 7

For the tenth FCA, the descending clock auction starting price in each Capacity Zone was \$17.296/kW-month. As explained in the Ethier Testimony, the auction resulted in the same Capacity Clearing Price of \$7.030/kW-month for the Rest-of-Pool and SENE Capacity Zones.⁷

Imports over the Phase I/II HQ Excess external interface, totaling 166 MW, and imports over the Hydro-Quebec Highgate external interface, totaling 58 MW, will receive a Capacity Clearing Price of \$7.030/kW-month. Imports over the New York AC Ties external interface, totaling 1,044.8 MW, will receive a Capacity Clearing Price of \$6.260/kW-month. Imports over the New Brunswick external interface, totaling 181 MW, will receive a Capacity Clearing Price of \$4.00/kW-month.⁸

C. Capacity Supply Obligations

The Tariff requires the ISO to specify in the FCA Results Filing the resources which received Capacity Supply Obligations in each Capacity Zone.⁹ This information is provided in Attachment A.

The Tariff also requires the ISO to list which resources cleared as Conditional Qualified New Generating Capacity Resources and to provide certain information relating to Long Lead Time Generating Facilities.¹⁰ No resources cleared as Conditional Qualified New Generating Capacity Resources in the tenth FCA. In addition, there were no Long Lead Time Generating Facilities that secured a Queue Position to participate as a New Generating Capacity Resource in the tenth FCA; and as such, there were no resources with a lower queue priority that were selected in the FCA subject to a Long Lead Time Generating Facility with a higher queue priority.

D. De-List Bids Reviewed For Reliability Purposes

The Tariff requires the FCA Results Filing to enumerate any de-list bids rejected for reliability reasons.¹¹ No de-list bids were rejected for reliability reasons in the tenth FCA.¹²

V. DOCUMENTATION OF COMPETITIVENESS

Section III.13.8.2 (b) of the Tariff requires the ISO to provide documentation regarding the competitiveness of the FCA. The documentation may include certification from the auctioneer and the ISO that: (i) all resources offering and bidding in the FCA were properly qualified in accordance with the provisions of Section III.13.1 of the Tariff; and (ii) the FCA was conducted in accordance with the provisions of Section III.13 of the Tariff. In this regard, the ISO has included the Rourke Testimony, the Ethier Testimony, the McDonald Testimony, and the Ausubel Testimony.

⁷ Ethier Testimony at 5.

⁸ *Id.* at 11-12.

⁹ Tariff Section III.13.8.2 (a).

¹⁰ *Id.*

¹¹ *Id.*

¹² Rourke Testimony at 5.

In his testimony, Mr. Rourke, who oversaw the qualification of resources, certifies that all resources offering and bidding in the tenth FCA were qualified in accordance with Section III.13.1 of the Tariff.¹³ Mr. Rourke testifies that he oversaw the reliability review of all submitted de-list bids for the tenth FCA and that no resources that submitted de-list bids were retained for reliability reasons.¹⁴

In his testimony, Dr. Ethier explains the prices resulting from the auction and how the prices were determined.¹⁵ Dr. Ethier also explains the prices over the external interfaces and why those prices were lower than for resources located in New England.¹⁶

Dr. McDonald explains that the IMM reviewed de-list bids from existing resources and offers from new resources submitted during the qualification process.¹⁷ Dr. McDonald testifies that he oversaw the IMM's review of these bids and offers and certifies that such review was performed in accordance with the provisions of Section III.13.1.¹⁸ Dr. McDonald also notes that the IMM's determinations with respect to the offers and bids were accepted by the Commission in the Informational Filing Order.¹⁹

Dr. Ausubel, the auctioneer, and chairman and founder of Power Auctions LLC, the company that helped implement and administer the FCA, certifies that the auction was conducted in accordance with Section III.13.2.²⁰ Dr. Ausubel's certification is based on his vast experience in conducting energy auctions.

VI. ADDITIONAL SUPPORTING INFORMATION

The ISO tenders the instant filing in compliance with Section III.13.8.2 of its Tariff pursuant to Section 205 of the FPA.²¹ Section 35.13 of the Commission's regulations generally requires public utilities to file certain cost and other information related to an examination of cost-of-service rates.²² However, the results of the FCA are not traditional "rates" and the ISO is not a traditional investor-owned utility. Therefore, to the extent necessary, the ISO requests waiver of Section 35.13 of the Commission's regulations. Notwithstanding its request for waiver, the ISO submits the following additional information in compliance with the identified filing regulations of the Commission applicable to Section 205.

¹³ *Id.* at 3.

¹⁴ *Id.* at 3-5.

¹⁵ Ethier Testimony at 3-5.

¹⁶ *Id.* at 11-12.

¹⁷ McDonald Testimony at 2-3.

¹⁸ *Id.*

¹⁹ *Order Accepting Informational Filing*, 154 FERC ¶ 61,041 (2016); *see also* McDonald Testimony at 3.

²⁰ Ausubel Testimony at 4.

²¹ As was noted above, the Commission has consistently held that the scope of the proceeding evaluating the annual FCA results filing is limited to the results of the FCA. *See e.g., ISO New England Inc.*, 130 FERC ¶ 61,145 at P 33 (2010) (finding that challenges to the FCM market design are outside the scope of the proceeding evaluating the FCA results filing).

²² 18 C.F.R. § 35.13 (2015).

The Honorable Kimberly D. Bose, Secretary

February 29, 2016

Page 6 of 7

35.13(b)(1) - Materials included herewith are as follows:

- a. This transmittal letter;
- b. Attachment A: List of Capacity Supply Obligations;
- c. Attachment B: Testimony of Stephen J. Rourke;
- d. Attachment C: Testimony of Robert G. Ethier
- e. Attachment D: Testimony of Jeffrey McDonald;
- f. Attachment E: Testimony of Lawrence M. Ausubel; and
- g. Attachment F: List of governors and utility regulatory agencies in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont to which a copy of this filing has been emailed.

35.13(b)(2) - The ISO respectfully requests that the Commission accept this filing to become effective on June 28, 2016, which is 120 days after the submission of this FCA Results Filing.

35.13(b)(3) - Pursuant to Section 17.11 (e) of the Participants Agreement, Governance Participants are being served electronically rather than by paper copy. The names and addresses of the Governance Participants are posted on the ISO's website at <http://www.iso-ne.com/participate/participant-asset-listings/directory?id=1&type=committee>. An electronic copy of this transmittal letter and the accompanying materials has also been emailed to the governors and electric utility regulatory agencies for the six New England states which comprise the New England Control Area, and to the New England Conference of Public Utility Commissioners, Inc. The names and addresses of these governors and regulatory agencies are shown in Attachment F.

35.13(b)(4) - A description of the materials submitted pursuant to this filing is contained in the transmittal letter;

35.13(b)(5) - The reasons for this filing are discussed in the background section to this transmittal letter; and

35.13 (b)(7) - The ISO has no knowledge of any relevant expenses or cost of service that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices.

VII. CONCLUSION

In this FCA Results Filing, the ISO has presented all of the information required by the Tariff. The ISO has demonstrated that the tenth FCA was conducted in accordance with the Tariff, as found just and reasonable by the Commission. The ISO has specified the Capacity Zones that were used in the auction. The ISO has also provided the Capacity Clearing Price for each of the Capacity Zones and a list of resources that received Capacity Supply Obligations. Finally, the ISO has provided documentation in the form of testimony, regarding

The Honorable Kimberly D. Bose, Secretary

February 29, 2016

Page 7 of 7

the outcome of the tenth FCA. Accordingly, the ISO requests that the Commission accept the results of the tenth FCA within 120 days of this filing.

Respectfully submitted,

By: /s/ Kevin W. Flynn

Kevin Flynn, Esq.
Senior Regulatory Counsel
ISO New England Inc.
One Sullivan Road
Holyoke, MA 01040-2841
Tel: (413) 535-4177
Fax: (413) 535-4379
E-mail: kflynn@iso-ne.com

cc: Governance Participants (electronically) and entities listed in Attachment F.

Attachment A

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
253	TURNKEY LANDFILL	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.77	0.77	0.77	0.902	0.902	0.902	0.902	0.902	0.902	0.902	0.902	0.902
321	MANCHESTER 10 10A	Generator	8506	Southeast	RI	RI	Existing	149	149	149	149	149	149	149	149	149	149	149	149
322	MANCHESTER 11 11A	Generator	8506	Southeast	RI	RI	Existing	149	149	149	149	149	149	149	149	149	149	149	149
323	MANCHESTER 9 9A CC	Generator	8506	Southeast	RI	RI	Existing	149	149	149	149	149	149	149	149	149	149	149	149
324	CDECCA	Generator	8500	Rest-of-Pool	CT	CT	Existing	55.254	55.254	55.254	55.254	55.254	55.254	55.254	55.254	55.254	55.254	55.254	55.254
326	ALTRESKO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	150.972	150.972	150.972	150.972	150.972	150.972	150.972	150.972	150.972	150.972	150.972	150.972
327	AMOSKEAG	Generator	8500	Rest-of-Pool	NH	NH	Existing	16.781	16.781	16.781	16.781	16.781	16.781	16.781	16.781	16.781	16.781	16.781	16.781
GULF ISLAND COMPOSITE																			
328	Incremental	Generator	8500	Rest-of-Pool	ME	ME	Existing	33.44	33.44	33.44	33.44	33.44	33.44	33.44	33.44	33.44	33.44	33.44	33.44
329	ASCUTNEY GT	Generator	8500	Rest-of-Pool	VT	VT	Existing	8.646	8.646	8.646	8.646	8.646	8.646	8.646	8.646	8.646	8.646	8.646	8.646
330	AYERS ISLAND	Generator	8500	Rest-of-Pool	NH	NH	Existing	8.474	8.474	8.474	8.474	8.474	8.474	8.474	8.474	8.474	8.474	8.474	8.474
331	AZISCOHOS HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
335	BELLOWS FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	48.54	48.54	48.54	48.54	48.54	48.54	48.54	48.54	48.54	48.54	48.54	48.54
336	BERLIN 1 GT	Generator	8500	Rest-of-Pool	VT	VT	Existing	34.83	34.83	34.83	34.83	34.83	34.83	34.83	34.83	34.83	34.83	34.83	34.83
337	BETHLEHEM	Generator	8500	Rest-of-Pool	NH	NH	Existing	15.298	15.298	15.298	15.298	15.298	15.4	15.4	15.4	15.4	15.4	15.4	15.4
340	BRIDGEPORT HARBOR 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	383.426	383.426	383.426	383.426	383.426	383.426	383.426	383.426	383.426	383.426	383.426	383.426
341	BRIDGEPORT HARBOR 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	17.024	17.024	17.024	17.024	17.024	17.024	17.024	17.024	17.024	17.024	17.024	17.024
346	BOLTON FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.003	1.003	1.003	1.003	1.003	4.257	4.257	4.257	4.257	4.257	4.257	4.257
348	BOOT MILLS	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	7.29	7.29	7.29	7.29	7.29	12.232	12.232	12.232	12.232	12.232	12.232	12.232
WHEELABRATOR																			
349	BRIDGEPORT, L.P.	Generator	8500	Rest-of-Pool	CT	CT	Existing	59.089	59.089	59.089	59.089	59.089	59.502	59.502	59.502	59.502	59.502	59.502	59.502
355	BRANFORD 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84
356	BRISTOL REFUSE	Generator	8500	Rest-of-Pool	CT	CT	Existing	12.456	12.456	12.456	12.456	12.456	12.67	12.67	12.67	12.67	12.67	12.67	12.67
357	BRIDGEWATER	Generator	8500	Rest-of-Pool	NH	NH	Existing	14.538	14.538	14.538	14.538	14.538	14.627	14.627	14.627	14.627	14.627	14.627	14.627
358	BRUNSWICK	Generator	8500	Rest-of-Pool	ME	ME	Existing	8.933	8.933	8.933	8.933	8.933	13.525	13.525	13.525	13.525	13.525	13.525	13.525
359	J. COCKWELL 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1
360	J. COCKWELL 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	283.741	283.741	283.741	283.741	283.741	283.741	283.741	283.741	283.741	283.741	283.741	283.741
362	BULLS BRIDGE	Generator	8500	Rest-of-Pool	CT	CT	Existing	2.7	2.7	2.7	2.7	2.7	5.918	5.918	5.918	5.918	5.918	5.918	5.918
363	BURLINGTON GT	Generator	8500	Rest-of-Pool	VT	VT	Existing	19.104	19.104	19.104	19.104	19.104	19.104	19.104	19.104	19.104	19.104	19.104	19.104
365	CANAL 1	Generator	8506	Southeast	MA	SEMA	Existing	547.059	547.059	547.059	547.059	547.059	547.059	547.059	547.059	547.059	547.059	547.059	547.059
366	CANAL 2	Generator	8506	Southeast	MA	SEMA	Existing	545.125	545.125	545.125	545.125	545.125	545.125	545.125	545.125	545.125	545.125	545.125	545.125
367	CAPE GT 4	Generator	8500	Rest-of-Pool	ME	ME	Existing	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75	13.75
368	CAPE GT 5	Generator	8500	Rest-of-Pool	ME	ME	Existing	15.822	15.822	15.822	15.822	15.822	15.822	15.822	15.822	15.822	15.822	15.822	15.822
369	CATARACT EAST	Generator	8500	Rest-of-Pool	ME	ME	Existing	7.775	7.775	7.775	7.775	7.775	7.775	7.775	7.775	7.775	7.775	7.775	7.775
370	COS COB 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	19.028	19.028	19.028	19.028	19.028	19.028	19.028	19.028	19.028	19.028	19.028	19.028
371	COS COB 11	Generator	8500	Rest-of-Pool	CT	CT	Existing	18.724	18.724	18.724	18.724	18.724	18.724	18.724	18.724	18.724	18.724	18.724	18.724
372	COS COB 12	Generator	8500	Rest-of-Pool	CT	CT	Existing	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66
375	CLEARY 9 9A CC	Generator	8506	Southeast	MA	SEMA	Existing	104.931	104.931	104.931	104.931	104.931	104.931	104.931	104.931	104.931	104.931	104.931	104.931
376	CLEARY 8	Generator	8506	Southeast	MA	SEMA	Existing	22.253	22.253	22.253	22.253	22.253	22.253	22.253	22.253	22.253	22.253	22.253	22.253
379	COBBLE MOUNTAIN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	31.126	31.126	31.126	31.126	31.126	31.126	31.126	31.126	31.126	31.126	31.126	31.126
380	COMERFORD	Generator	8500	Rest-of-Pool	NH	NH	Existing	166.135	166.135	166.135	166.135	166.135	167.035	167.035	167.035	167.035	167.035	167.035	167.035
382	MERRIMACK CT1	Generator	8500	Rest-of-Pool	NH	NH	Existing	16.826	16.826	16.826	16.826	16.826	16.826	16.826	16.826	16.826	16.826	16.826	16.826
383	MERRIMACK CT2	Generator	8500	Rest-of-Pool	NH	NH	Existing	16.804	16.804	16.804	16.804	16.804	16.804	16.804	16.804	16.804	16.804	16.804	16.804
388	DARTMOUTH POWER	Generator	8506	Southeast	MA	SEMA	Existing	62.156	62.156	62.156	62.156	62.156	62.156	62.156	62.156	62.156	62.156	62.156	62.156
389	DERBY DAM	Generator	8500	Rest-of-Pool	CT	CT	Existing	7.05	7.05	7.05	7.05	7.05	7.05	7.05	7.05	7.05	7.05	7.05	7.05
392	DEXTER	Generator	8500	Rest-of-Pool	CT	CT	Existing	22.188	22.188	22.188	22.188	22.188	22.188	22.188	22.188	22.188	22.188	22.188	22.188
393	DEERFIELD 5	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	13.703	13.703	13.703	13.703	13.703	13.703	13.703	13.703	13.703	13.703	13.703	13.703
395	DOREEN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959
396	DEVON 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	14.407	14.407	14.407	14.407	14.407	14.407	14.407	14.407	14.407	14.407	14.407	14.407
397	DEVON 11	Generator	8500	Rest-of-Pool	CT	CT	Existing	29.299	29.299	29.299	29.299	29.299	29.299	29.299	29.299	29.299	29.299	29.299	29.299
398	DEVON 12	Generator	8500	Rest-of-Pool	CT	CT	Existing	29.227	29.227	29.227	29.227	29.227	29.227	29.227	29.227	29.227	29.227	29.227	29.227
399	DEVON 13	Generator	8500	Rest-of-Pool	CT	CT	Existing	29.967	29.967	29.967	29.967	29.967	29.967	29.967	29.967	29.967	29.967	29.967	29.967
400	DEVON 14	Generator	8500	Rest-of-Pool	CT	CT	Existing	29.704	29.704	29.704	29.704	29.704	29.704	29.704	29.704	29.704	29.704	29.704	29.704
401	EASTMAN FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582	5.582
405	ELLSWORTH HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05
407	EASTPORT DIESELS 1-3	Generator	8500	Rest-of-Pool	ME	ME	Existing	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
410	ESSEX 19 HYDRO	Generator	8500	Rest-of-Pool	VT	VT	Existing	2.737	2.737	2.737	2.737	2.737	5.652	5.652	5.652	5.652	5.652	5.652	5.652
411	EXETER	Generator	8500	Rest-of-Pool	CT	CT	Existing	14.841	14.										

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
421	FRONT STREET DIESELS 1-3	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
424	GREAT LAKES - MILLINOCKET	Generator	8500	Rest-of-Pool	ME	ME	Existing	74.958	74.958	74.958	55.278	55.278	55.278	55.278	55.278	55.278	55.278	55.278	55.278
426	GORGE 1 DIESEL	Generator	8500	Rest-of-Pool	VT	VT	Existing	7.09	7.09	7.09	7.09	7.09	7.09	7.09	7.09	7.09	7.09	7.09	7.09
427	GORHAM	Generator	8500	Rest-of-Pool	NH	NH	Existing	1.173	1.173	1.173	1.641	1.641	1.641	1.641	1.641	1.641	1.641	1.641	1.641
432	HARRIS 1	Generator	8500	Rest-of-Pool	ME	ME	Existing	16.776	16.776	16.776	16.776	16.776	16.776	16.776	16.776	16.776	16.776	16.776	
433	HARRIS 2	Generator	8500	Rest-of-Pool	ME	ME	Existing	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	
434	HARRIS 3	Generator	8500	Rest-of-Pool	ME	ME	Existing	33.905	33.905	33.905	33.905	33.905	33.905	33.905	33.905	33.905	33.905	33.905	
435	HARRIMAN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	40.943	40.943	40.943	40.943	38.663	38.663	38.663	38.663	38.663	38.663	38.663	
436	HEMPHILL 1	Generator	8500	Rest-of-Pool	NH	NH	Existing	14.137	14.137	14.137	14.45	14.45	14.45	14.45	14.45	14.45	14.45	14.45	14.45
440	HIRAM	Generator	8500	Rest-of-Pool	ME	ME	Existing	11.189	11.189	11.189	11.189	11.189	11.189	11.189	11.189	11.189	11.189	11.189	
	COVANTA WEST ENFIELD	Generator	8500	Rest-of-Pool	ME	ME	Existing	20.461	20.461	20.461	20.461	20.461	20.461	20.461	20.461	20.461	20.461	20.461	
446	COVANTA JONESBORO	Generator	8500	Rest-of-Pool	ME	ME	Existing	20.226	20.226	20.226	20.226	20.226	20.226	20.226	20.226	20.226	20.226	20.226	
448	IPSWICH DIESELS	Generator	8506	Southeast	MA	NEMA	Existing	9.495	9.495	9.495	9.495	9.495	9.495	9.495	9.495	9.495	9.495	9.495	
449	JACKMAN	Generator	8500	Rest-of-Pool	NH	NH	Existing	3.541	3.541	3.541	3.541	3.541	3.541	3.541	3.541	3.541	3.541	3.541	
452	KENDALL JET 1	Generator	8506	Southeast	MA	NEMA	Existing	18	18	18	18	18	18	18	18	18	18	18	
457	LAWRENCE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	5.302	5.302	5.302	9.225	9.225	9.225	9.225	9.225	9.225	9.225	9.225	9.225
460	LOCKWOOD	Generator	8500	Rest-of-Pool	ME	ME	Existing	3.647	3.647	3.647	4.686	4.686	4.686	4.686	4.686	4.686	4.686	4.686	4.686
462	LISBON RESOURCE RECOVERY	Generator	8500	Rest-of-Pool	CT	CT	Existing	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	
463	AEI LIVERMORE	Generator	8500	Rest-of-Pool	ME	ME	Existing	34.43	34.43	34.43	34.43	34.43	34.43	34.43	34.43	34.43	34.43	34.43	
464	LOST NATION	Generator	8500	Rest-of-Pool	NH	NH	Existing	13.979	13.979	13.979	13.979	13.979	13.979	13.979	13.979	13.979	13.979	13.979	
	DEERFIELD 2 LWR DRFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	19.275	19.275	19.275	19.275	19.275	19.275	19.275	19.275	19.275	19.275	19.275	
466	L STREET JET	Generator	8506	Southeast	MA	NEMA	Existing	16.03	16.03	16.03	16.03	16.03	16.03	16.03	16.03	16.03	16.03	16.03	
467	MARBLEHEAD DIESELS	Generator	8506	Southeast	MA	NEMA	Existing	5	5	5	5	5	5	5	5	5	5	5	
468	MARSHFIELD 6 HYDRO	Generator	8500	Rest-of-Pool	VT	VT	Existing	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	
472	M STREET JET	Generator	8506	Southeast	MA	NEMA	Existing	47	47	47	47	47	47	47	47	47	47	47	
473	MCINDOES	Generator	8500	Rest-of-Pool	NH	NH	Existing	10.066	10.066	10.066	10.066	10.066	10.066	10.066	10.066	10.066	10.066	10.066	
474	J C MCNEIL	Generator	8500	Rest-of-Pool	VT	VT	Existing	52	52	52	52	52	52	52	52	52	52	52	
478	MIDDLETOWN 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	15.515	15.515	15.515	15.515	15.515	15.515	15.515	15.515	15.515	15.515	15.515	
480	MIDDLETOWN 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	117	117	117	117	117	117	117	117	117	117	117	
481	MIDDLETOWN 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	233.679	233.679	233.679	233.679	233.679	233.679	233.679	233.679	233.679	233.679	233.679	
482	MIDDLETOWN 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	399.923	399.923	399.923	399.923	399.923	399.923	399.923	399.923	399.923	399.923	399.923	
484	MILLSTONE POINT 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	875.26	875.26	875.26	875.26	875.26	875.26	875.26	875.26	875.26	875.26	875.26	
485	MILLSTONE POINT 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	
486	MILFORD POWER	Generator	8506	Southeast	MA	SEMA	Existing	149	149	149	149	170.73	170.73	170.73	170.73	170.73	170.73	170.73	
487	MILLER HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	7.837	7.837	7.837	7.837	11.575	11.575	11.575	11.575	11.575	11.575	11.575	
489	MERRIMACK 1	Generator	8500	Rest-of-Pool	NH	NH	Existing	108	108	108	108	108	108	108	108	108	108	108	
490	MERRIMACK 2	Generator	8500	Rest-of-Pool	NH	NH	Existing	330	330	330	330	330	330	330	330	330	330	330	
492	MONTVILLE 10 and 11	Generator	8500	Rest-of-Pool	CT	CT	Existing	5.296	5.296	5.296	5.296	5.296	5.296	5.296	5.296	5.296	5.296	5.296	
493	MONTVILLE 5	Generator	8500	Rest-of-Pool	CT	CT	Existing	81	81	81	81	81	81	81	81	81	81	81	
494	MONTVILLE 6	Generator	8500	Rest-of-Pool	CT	CT	Existing	405.05	405.05	405.05	405.05	405.05	405.05	405.05	405.05	405.05	405.05	405.05	
495	MONTY	Generator	8500	Rest-of-Pool	ME	ME	Existing	28	28	28	28	28	28	28	28	28	28	28	
496	MOORE	Generator	8500	Rest-of-Pool	NH	NH	Existing	189.032	189.032	189.032	190.412	190.412	190.412	190.412	190.412	190.412	190.412		
497	MASS POWER	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	
502	MYSTIC 7	Generator	8506	Southeast	MA	NEMA	Existing	570.8	570.8	570.8	559.775	559.775	559.775	559.775	559.775	559.775	559.775	559.775	559.775
503	MYSTIC JET	Generator	8506	Southeast	MA	NEMA	Existing	8.589	8.589	8.589	8.589	11.589	11.589	11.589	11.589	11.589	11.589	11.589	
507	NEA BELLINGHAM	Generator	8506	Southeast	MA	SEMA	Existing	277.621	277.621	277.621	277.621	277.621	277.621	277.621	277.621	277.621	277.621	277.621	
508	NEWINGTON 1	Generator	8500	Rest-of-Pool	NH	NH	Existing	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	
513	NEW HAVEN HARBOR	Generator	8500	Rest-of-Pool	CT	CT	Existing	447.894	447.894	447.894	447.894	447.894	447.894	447.894	447.894	447.894	447.894	447.894	
515	NORWICH JET	Generator	8500	Rest-of-Pool	CT	CT	Existing	15.255	15.255	15.255	15.255	15.255	15.255	15.255	15.255	15.255	15.255	15.255	
527	OGDEN-MARTIN 1	Generator	8506	Southeast	MA	NEMA	Existing	39.549	39.549	39.549	39.549	41.86	41.86	41.86	41.86	41.86	41.86	41.86	
528	OCEAN ST PWR GT1 GT2 ST1	Generator	8506	New England	RI	RI	Existing	270.901	270.901	270.901	270.901	270.901	270.901	270.901	270.901	270.901	270.901	270.901	
	OCEAN ST PWR GT3 GT4 ST2	Generator	8506	New England	RI	RI	Existing	270.18	270.18	270.18	270.18	270.18	270.18	270.18	270.18	270.18	270.18	270.18	
529	PAWTUCKET POWER	Generator	8506	Southeast	RI	RI	Existing	55.681	55.681	55.681	55.681	55.681	55.681	55.681	55.681	55.681	55.681	55.681	
531	PEJEPSOCKET	Generator	8500	Rest-of-Pool	ME	ME	Existing	7.058	7.058	7.058	7.058	9.853	9.853	9.853	9.853	9.853	9.853	9.853	
532	PERC-ORRINGTON 1	Generator	8500	Rest-of-Pool	ME	ME	Existing	21.293	21.293	21.293	20.976	20.976	20.976	20.976	20.976	20.976	20.976		
533	PINETREE POWER	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	15.783	15.783	15.783	15.783	15.783	15.783	15.783	15.783	15.783	15.783	15.783	
539	PONTOOK HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	4.591	4.591	4.591	4.591	8.886	8.886	8.886	8.886	8.886	8.886	8.886	
540	POTTER 2 CC	Generator	8506	Southeast	MA	SEMA	Existing	73.117	73.117	73.117	73.117	73.117	73.117	73.117	73.117	73.117	73.117	73.117	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
541	PROCTOR	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.9	0.9	0.9	0.9	1.783	1.783	1.783	1.783	1.783	1.783	1.783	1.783
542	ECO MAINE	Generator	8500	Rest-of-Pool	ME	ME	Existing	10.995	10.995	10.995	10.995	10.612	10.612	10.612	10.612	10.612	10.612	10.612	10.612
546	RESCO SAUGUS	Generator	8506	Southeast	MA	NEMA	Existing	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	
547	WHEELABRATOR NORTH ANDOVER	Generator	8506	New England	MA	NEMA	Existing	29.722	29.722	29.722	29.937	29.937	29.937	29.937	29.937	29.937	29.937	29.937	
549	RUTLAND 5 GT	Generator	8500	Rest-of-Pool	VT	VT	Existing	8.163	8.163	8.163	8.163	8.163	8.163	8.163	8.163	8.163	8.163	8.163	
555	SEABROOK	Generator	8500	Rest-of-Pool	NH	NH	Existing	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	1246.65	
556	SCHILLER 4	Generator	8500	Rest-of-Pool	NH	NH	Existing	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
557	SCHILLER 5	Generator	8500	Rest-of-Pool	NH	NH	Existing	42.594	42.594	42.594	42.594	42.594	42.594	42.594	42.594	42.594	42.594	42.594	
558	SCHILLER 6	Generator	8500	Rest-of-Pool	NH	NH	Existing	47.938	47.938	47.938	47.938	47.938	47.938	47.938	47.938	47.938	47.938	47.938	
559	SCHILLER CT 1	Generator	8500	Rest-of-Pool	NH	NH	Existing	17.621	17.621	17.621	17.621	17.621	17.621	17.621	17.621	17.621	17.621	17.621	
561	SEARSBURG	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	4.755	4.755	4.755	4.755	4.755	4.755	4.755	4.755	4.755	4.755	4.755	
562	SECREC-PRESTON	Generator	8500	Rest-of-Pool	CT	CT	Existing	16.117	16.117	16.117	16.117	16.44	16.44	16.44	16.44	16.44	16.44	16.44	
563	SEMASS 1	Generator	8506	Southeast	MA	SEMA	Existing	46.955	46.955	46.955	46.955	49.745	49.745	49.745	49.745	49.745	49.745	49.745	
564	SEMASS 2	Generator	8506	Southeast	MA	SEMA	Existing	22.142	22.142	22.142	22.142	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
565	SHELDON SPRINGS	Generator	8500	Rest-of-Pool	VT	VT	Existing	3.81	3.81	3.81	3.81	9.949	9.949	9.949	9.949	9.949	9.949	9.949	
566	SHEPAUG	Generator	8500	Rest-of-Pool	CT	CT	Existing	41.511	41.511	41.511	41.511	42.559	42.559	42.559	42.559	42.559	42.559	42.559	
567	SHERMAN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	6.154	6.154	6.154	6.154	6.154	6.154	6.154	6.154	6.154	6.154	6.154	
569	SKELTON	Generator	8500	Rest-of-Pool	ME	ME	Existing	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
570	SMITH	Generator	8500	Rest-of-Pool	NH	NH	Existing	8.864	8.864	8.864	14.757	14.757	14.757	14.757	14.757	14.757	14.757		
572	SO. MEADOW 11	Generator	8500	Rest-of-Pool	CT	CT	Existing	35.781	35.781	35.781	35.781	35.781	35.781	35.781	35.781	35.781	35.781	35.781	
573	SO. MEADOW 12	Generator	8500	Rest-of-Pool	CT	CT	Existing	37.701	37.701	37.701	37.701	37.701	37.701	37.701	37.701	37.701	37.701	37.701	
574	SO. MEADOW 13	Generator	8500	Rest-of-Pool	CT	CT	Existing	38.317	38.317	38.317	38.317	38.317	38.317	38.317	38.317	38.317	38.317	38.317	
575	SO. MEADOW 14	Generator	8500	Rest-of-Pool	CT	CT	Existing	36.746	36.746	36.746	36.746	36.746	36.746	36.746	36.746	36.746	36.746	36.746	
580	SO. MEADOW 5	Generator	8500	Rest-of-Pool	CT	CT	Existing	24.898	24.898	24.898	24.898	25.351	25.351	25.351	25.351	25.351	25.351	25.351	
581	SO. MEADOW 6	Generator	8500	Rest-of-Pool	CT	CT	Existing	20.893	20.893	20.893	22.482	22.482	22.482	22.482	22.482	22.482	22.482	22.482	22.482
583	STONY BROOK 2A	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	65	65	65	65	65	65	65	65	65	65	65	
584	STONY BROOK 2B	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	63	63	63	63	63	63	63	63	63	63	63	
587	STEVENSON	Generator	8500	Rest-of-Pool	CT	CT	Existing	28.311	28.311	28.311	28.311	28.311	28.311	28.311	28.311	28.311	28.311	28.311	
590	BORALEX STRATTON ENERGY	Generator	8500	Rest-of-Pool	ME	ME	Existing	44.363	44.363	44.363	44.363	44.363	44.363	44.363	44.363	44.363	44.363	44.363	
591	S.D. WARREN-WESTBROOK	Generator	8500	Rest-of-Pool	ME	ME	Existing	42.59	42.59	42.59	42.59	42.59	42.59	42.59	42.59	42.59	42.59	42.59	
592	TAMWORTH	Generator	8500	Rest-of-Pool	NH	NH	Existing	19.529	19.529	19.529	19.529	19.098	19.098	19.098	19.098	19.098	19.098	19.098	
595	TORRINGTON TERMINAL 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	15.638	15.638	15.638	15.638	15.638	15.638	15.638	15.638	15.638	15.638	15.638	
596	TUNNEL 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	16.591	16.591	16.591	21.806	21.806	21.806	21.806	21.806	21.806	21.806	21.806	
598	VERGENNES 5 and 6 DIESELS	Generator	8500	Rest-of-Pool	VT	VT	Existing	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	
599	VERNON	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	32	32	32	32	32	32	32	32	32	32	32	
612	WATERS RIVER JET 1	Generator	8506	Southeast	MA	NEMA	Existing	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	
613	WATERS RIVER JET 2	Generator	8506	Southeast	MA	NEMA	Existing	31.75	31.75	31.75	31.75	31.75	31.75	31.75	31.75	31.75	31.75	31.75	
614	WATERBURY 22	Generator	8500	Rest-of-Pool	VT	VT	Existing	5	5	5	5	5	5	5	5	5	5	5	
616	WEST ENFIELD	Generator	8500	Rest-of-Pool	ME	ME	Existing	10.65	10.65	10.65	10.65	13.772	13.772	13.772	13.772	13.772	13.772	13.772	
617	WESTON	Generator	8500	Rest-of-Pool	ME	ME	Existing	7.795	7.795	7.795	7.795	10.44	10.44	10.44	10.44	10.44	10.44	10.44	
618	DG WHITEFIELD, LLC	Generator	8500	Rest-of-Pool	NH	NH	Existing	16.239	16.239	16.239	16.239	16.579	16.579	16.579	16.579	16.579	16.579	16.579	
619	WHITE LAKE JET	Generator	8500	Rest-of-Pool	NH	NH	Existing	17.447	17.447	17.447	17.447	17.447	17.447	17.447	17.447	17.447	17.447	17.447	
620	WILDER	Generator	8500	Rest-of-Pool	NH	NH	Existing	39.083	39.083	39.083	39.083	39.083	39.083	39.083	39.083	39.083	39.083	39.083	
621	WILLIAMS	Generator	8500	Rest-of-Pool	ME	ME	Existing	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	
622	WINOOSKI 1	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.793	1.793	1.793	1.793	3.561	3.561	3.561	3.561	3.561	3.561	3.561	
624	WMI MILLBURY 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	39.811	39.811	39.811	39.811	39.811	39.811	39.811	39.811	39.811	39.811	39.811	
625	WEST MEDWAY JET 1	Generator	8506	Southeast	MA	NEMA	Existing	42	42	42	42	62	62	62	62	62	62	62	
626	WEST MEDWAY JET 2	Generator	8506	Southeast	MA	NEMA	Existing	39.848	39.848	39.848	39.848	59.848	59.848	59.848	59.848	59.848	59.848	59.848	
627	WEST MEDWAY JET 3	Generator	8506	Southeast	MA	SEMA	Existing	35.441	35.441	35.441	35.441	35.441	35.441	35.441	35.441	35.441	35.441	35.441	
628	WOODLAND ROAD	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	15.808	15.808	15.808	15.808	15.808	15.808	15.808	15.808	15.808	15.808	15.808	
630	WEST SPRINGFIELD 10	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	17.143	17.143	17.143	17.143	17.143	17.143	17.143	17.143	17.143	17.143	17.143	
633	WEST SPRINGFIELD 3	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	94.276	94.276	94.276	94.276	94.276	94.276	94.276	94.276	94.276	94.276	94.276	
636	WYMAN HYDRO 1	Generator	8500	Rest-of-Pool	ME	ME	Existing	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	
637	WYMAN HYDRO 2	Generator	8500	Rest-of-Pool	ME	ME	Existing	29.866	29.866	29.866	29.866	29.866	29.866	29.866	29.866	29.866	29.866	29.866	
638	WYMAN HYDRO 3	Generator	8500	Rest-of-Pool	ME	ME	Existing	26.52	26.52	26.52	26.52	26.52	26.52	26.52	26.52	26.52	26.52	26.52	
639	YARMOUTH 1	Generator	8500	Rest-of-Pool	ME	ME	Existing	50.328	50.328	50.328	50.328	50.328	50.328	50.328	50.328	50.328	50.328	50.328	
640	YARMOUTH 2	Generator	8500	Rest-of-Pool	ME	ME	Existing	51.131	51.131	51.131	51.131	51.131	51.131	51.131	51.131	51.131	51.131	51.131	
641	YARMOUTH 3	Generator	8500	Rest-of-Pool	ME	ME	Existing	114.455	114.455	114.455	114.455	114.455	114.455	114.455	114.455	114.455	114.455	114.455	
642	YARMOUTH 4	Generator	8500	Rest-of-Pool	ME	ME	Existing	602.05	602.05	602.05	602.05	602.05	602.05	602.05	602.05	602.05	602.05	602.05	
715	ROCHESTER LANDFILL	Generator	8500	Rest-of-Pool	NH	NH	Existing	2.192	2.192	2.192	2.192	2.192	2.192	2.192	2.192	2.192	2.192	2.192	

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
737	SIMPSON G LOAD REDUCER	Generator	8500	Rest-of-Pool	VT	VT	Existing	2.224	2.224	2.224	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038
739	ROCKY RIVER	Generator	8500	Rest-of-Pool	CT	CT	Existing	29.35	29.35	29.35	29.35	29.001	29.001	29.001	29.001	29.001	29.001	29.001	29.001
754	BAR MILLS	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.171	1.171	1.171	1.171	2.456	2.456	2.456	2.456	2.456	2.456	2.456	2.456
755	BONNY EAGLE W. BUXTON	Generator	8500	Rest-of-Pool	ME	ME	Existing	5.729	5.729	5.729	5.729	11.598	11.598	11.598	11.598	11.598	11.598	11.598	11.598
757	HARRIS 4	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.249	1.249	1.249	1.249	1.249	1.249	1.249	1.249	1.249	1.249	1.249	
	MESSALONSKEE																		
759	COMPOSITE	Generator	8500	Rest-of-Pool	ME	ME	Existing	2.117	2.117	2.117	2.117	5.338	5.338	5.338	5.338	5.338	5.338	5.338	5.338
760	NORTH GORHAM	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.157	1.157	1.157	1.157	1.284	1.284	1.284	1.284	1.284	1.284	1.284	1.284
761	SHAWMUT	Generator	8500	Rest-of-Pool	ME	ME	Existing	5.477	5.477	5.477	5.477	7.274	7.274	7.274	7.274	7.274	7.274	7.274	7.274
766	CABOT TURNERS FALLS	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	67.881	67.881	67.881	67.881	67.881	67.881	67.881	67.881	67.881	67.881	67.881	
767	SES CONCORD	Generator	8500	Rest-of-Pool	NH	NH	Existing	12.138	12.138	12.138	12.138	12.505	12.505	12.505	12.505	12.505	12.505	12.505	12.505
768	GARVINS HOOKSETT	Generator	8500	Rest-of-Pool	NH	NH	Existing	4.25	4.25	4.25	4.25	7.473	7.473	7.473	7.473	7.473	7.473	7.473	7.473
769	HADLEY FALLS 1&2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	14.042	14.042	14.042	14.042	28.316	28.316	28.316	28.316	28.316	28.316	28.316	28.316
772	NEWPORT HYDRO	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.205	1.205	1.205	1.205	2.013	2.013	2.013	2.013	2.013	2.013	2.013	2.013
774	LOWER LAMOILLE COMPOSITE	Generator	8500	Rest-of-Pool	VT	VT	Existing	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	
775	MIDDLEBURY																		
776	N. RUTLAND	Generator	8500	Rest-of-Pool	VT	VT	Existing	5.678	5.678	5.678	5.678	5.678	5.678	5.678	5.678	5.678	5.678	5.678	
779	MIDDLESEX 2	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.709	0.709	0.709	0.709	1.723	1.723	1.723	1.723	1.723	1.723	1.723	1.723
783	HIGHGATE FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	2.695	2.695	2.695	2.695	8.459	8.459	8.459	8.459	8.459	8.459	8.459	8.459
	KEZAR LEDGEMERE																		
786	COMPOSITE	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.452	0.452	0.452	0.452	1.017	1.017	1.017	1.017	1.017	1.017	1.017	1.017
789	CEC 002 PAWTUCKET	Generator	8506	Southeast	RI	RI	Existing	0.168	0.168	0.168	0.168	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595
792	CENTENNIAL HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.16	0.16	0.16	0.16	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
793	METHUEN HYDRO	Generator	8506	Southeast	MA	NEMA	Existing	0.004	0.004	0.004	0.004	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
794	MINIWAWA	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.12	0.12	0.12	0.12	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
795	RIVER MILL HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
796	GOODWIN DAM	Generator	8500	Rest-of-Pool	CT	CT	Existing	3	3	3	3	3	3	3	3	3	3	3	
797	CEC 003 WYRE WYND	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.482	0.482	0.482	0.482	1.245	1.245	1.245	1.245	1.245	1.245	1.245	1.245
798	COLEBROOK	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.513	0.513	0.513	0.513	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
800	KINNEYTOWN B	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.105	0.105	0.105	0.105	0.577	0.577	0.577	0.577	0.577	0.577	0.577	0.577
801	WILLIMANTIC 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.046	0.046	0.046	0.046	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
802	WILLIMANTIC 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.012	0.012	0.012	0.012	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
803	TOUTANT	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.251	0.251	0.251	0.251	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396
804	PUTNAM	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.139	0.139	0.139	0.139	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414
806	MECHANICSVILLE	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.028	0.028	0.028	0.028	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162
807	CEC 004 DAYVILLE																		
808	POND US	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.005	0.005	0.005	0.005	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
809	SANDY HOOK HYDRO	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067
810	QUINEBAUG	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.267	0.267	0.267	0.267	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024
811	BANTAM	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.026	0.026	0.026	0.026	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122
812	BEEBE HOLBROOK	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	
813	TUNNEL	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.36	0.36	0.36	0.36	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226
814	PATCH	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.031	0.031	0.031	0.031	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
815	CARVER FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.082	0.082	0.082	0.082	1.077	1.077	1.077	1.077	1.077	1.077	1.077	1.077
816	CAVENDISH	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.282	0.282	0.282	0.282	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772
817	TAFTSVILLE VT	Generator	8500	Rest-of-Pool	VT	VT	Existing	0	0	0	0	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
818	PIERCE MILLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.073	0.073	0.073	0.073	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
819	ARNOLD FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.096	0.096	0.096	0.096	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184
820	PASSUMPSIC	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.155	0.155	0.155	0.155	0.298	0.298	0.298	0.298	0.298	0.298	0.298	0.298
821	GAGE	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.134	0.134	0.134	0.134	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364
822	SMITH (CVPS)	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.417	0.417	0.417	0.417	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
823	EAST BARNET	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.537	0.537	0.537	0.537	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951
824	BATH ELECTRIC HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.224	0.224	0.224	0.224	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209
827	SEARSBURG WIND	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.251	0.251	0.251	0.251	1.067	1.067	1.067	1.067	1.067	1.067	1.067	1.067
832	CENTER RUTLAND	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.096	0.096	0.096	0.096	0	0	0	0	0	0	0	0
833	BARNET	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.033	0.033	0.033	0.033	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.154
834	COMPTU FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.155	0.155	0.155	0.155	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
835	DEWEY MILLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.367	0.367	0.367	0.367	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
836	EMERSON FALLS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.006	0.006	0.006	0.006	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
837	KILLINGTON	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.003	0.003	0.003	0.003	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	
			Zone ID	Zone Name																
908	OTIS MILL HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	
909	STEELS POND HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	
910	CAMPTON DAM	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.094	0.094	0.094	0.094	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	
911	KELLEYS FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.021	0.021	0.021	0.021	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136	
913	GOODRICH FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.138	0.138	0.138	0.138	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	
914	CHAMBERLAIN FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	
919	HOPKINTON HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.072	0.072	0.072	0.072	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	
922	NOONE FALLS	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	
925	OTTER LANE HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.008	0.008	0.008	0.008	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	
	PETERBOROUGH LOWER HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.015	0.015	0.015	0.015	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	
926	SALMON BROOK STATION 3	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.023	0.023	0.023	0.023	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	
931	AVERY DAM	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.178	0.178	0.178	0.178	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	
932	WATSON DAM	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.027	0.027	0.027	0.027	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	
933	WESTON DAM	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.22	0.22	0.22	0.22	0.317	0.317	0.317	0.317	0.317	0.317	0.317	0.317	
935	SUNNYBROOK HYDRO 2	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.01	0.01	0.01	0.01	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	
	PETERBOROUGH UPPER HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.01	0.01	0.01	0.01	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	
941	FOUR HILLS LANDFILL	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.493	0.493	0.493	0.493	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	
	PEPPERELL HYDRO COMPANY LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.414	0.414	0.414	0.414	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586	
949	VALLEY HYDRO - QF	Generator	8506	Southeast	RI	RI	Existing	0.017	0.017	0.017	0.017	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	
950	LP ATHOL - QF	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.063	0.063	0.063	0.063	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	
951	BALTIC MILLS - QF	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.035	0.035	0.035	0.035	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	
	ATTLEBORO LANDFILL - QF	Generator	8506	Southeast	New England	MA	SEMA	Existing	0.084	0.084	0.084	0.084	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192
953	HG&E HYDRO CABOT 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.089	1.089	1.089	1.089	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	
957	BARTON 1-4 DIESELS	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586		
959	POWDER MILL HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	
970	DUDLEY HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.021	0.021	0.021	0.021	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	
978	NEW MILFORD	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.377	1.377	1.377	1.377	1.497	1.497	1.497	1.497	1.497	1.497	1.497	1.497	
	BG DIGHTON POWER LLC	Generator	8506	Southeast	New England	MA	SEMA	Existing	164.039	164.039	164.039	164.039	164.039	164.039	164.039	164.039	164.039	164.039	164.039	
1005	BUNKER RD #12 GAS TURB	Generator	8506	Southeast	New England	MA	SEMA	Existing	2.351	2.351	2.351	2.351	2.351	2.351	2.351	2.351	2.351	2.351	2.351	
	BUNKER RD #13 GAS TURB	Generator	8506	Southeast	New England	MA	SEMA	Existing	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	
1029	OAK BLUFFS	Generator	8506	Southeast	MA	SEMA	Existing	7.471	7.471	7.471	7.471	7.471	7.471	7.471	7.471	7.471	7.471	7.471		
1031	WEST TISBURY	Generator	8506	Southeast	MA	SEMA	Existing	5.524	5.524	5.524	5.524	5.524	5.524	5.524	5.524	5.524	5.524	5.524		
1032	BRIDGEPORT ENERGY 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	475.999	475.999	475.999	475.999	499.821	499.821	499.821	499.821	499.821	499.821	499.821	499.821	
1034	RIVERSIDE 4-7	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.131	1.131	1.131	1.131	1.607	1.607	1.607	1.607	1.607	1.607	1.607	1.607	
1035	RIVERSIDE 8	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.456	2.456	2.456	2.456	3.003	3.003	3.003	3.003	3.003	3.003	3.003	3.003	
1047	FAIRFAK	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.643	1.643	1.643	1.643	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	
1048	WARE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.139	0.139	0.139	0.139	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	
1049	COLLINS HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.345	0.345	0.345	0.345	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	
1050	CHICOPEE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.695	0.695	0.695	0.695	1.345	1.345	1.345	1.345	1.345	1.345	1.345	1.345	
	BLACKSTONE HYDRO ASSOC	Generator	8506	Southeast	New England	RI	RI	Existing	0	0	0	0	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187
1057	BLACKSTONE HYDRO LOAD REDUCER	Generator	8506	Southeast	New England	RI	RI	Existing	0.249	0.249	0.249	0.249	0.656	0.656	0.656	0.656	0.656	0.656	0.656	0.656
1059	BARRE LANDFILL	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.618	0.618	0.618	0.618	0.632	0.632	0.632	0.632	0.632	0.632	0.632	0.632	
1061	MASCOMA HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.133	0.133	0.133	0.133	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	
1062	MWRA COSGROVE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.885	0.885	0.885	0.885	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	
1086	BERKSHIRE POWER	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	229.279	229.279	229.279	229.279	229.279	229.279	229.279	229.279	229.279	229.279	229.279		
1109	MMWAC	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.833	1.833	1.833	1.833	2.042	2.042	2.042	2.042	2.042	2.042	2.042	2.042	
1113	BRASSUA HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	4.203	4.203	4.203	4.203	4.203	4.203	4.203	4.203	4.203	4.203	4.203		
	GREAT WORKS COMPOSITE	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.015	0.015	0.015	0.015	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	
1117	KENNEBAGO HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.185	0.185	0.185	0.185	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	
1122	CASCADE-DIAMOND-QF	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.082	0.082	0.082	0.082	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	
1185	STONY BROOK GT1A	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	100	100	100	100	100	100	100	100	100	100	100		
1186	STONY BROOK GT1B	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	97	97	97	97	97	97	97	97	97	97	97		
1187	STONY BROOK GT1C	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	100	100	100	100	100	100	100	100	100	100	100		

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
1209	CRR A HARTFORD LANDFILL	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.508	1.508	1.508	1.508	1.538	1.538	1.538	1.538	1.538	1.538	1.538	
1210	MAINE INDEPENDENCE STATION	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	331	331	331	331	331	331	331	331	331	331	331	
1216	ESSEX DIESELS	Generator	8500	Rest-of-Pool	VT	VT	Existing	7.215	7.215	7.215	7.215	7.215	7.215	7.215	7.215	7.215	7.215	7.215	
1221	TANNERY DAM	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0.006	0.006	0.006	0.006	0.006	0.006	0.006	
1226	TIVERTON POWER	Generator	8506	Southeast	RI	RI	Existing	255.45	255.45	255.45	255.45	262.966	262.966	262.966	262.966	262.966	262.966	262.966	
1255	RUMFORD POWER	Generator	8500	Rest-of-Pool	ME	ME	Existing	244.281	244.281	244.281	244.281	251.74	251.74	251.74	251.74	251.74	251.74	251.74	
1258	BHE SMALL HYDRO COMPOSITE	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.825	0.825	0.825	0.825	1.832	1.832	1.832	1.832	1.832	1.832	1.832	
1267	SPARHAWK	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.001	0.001	0.001	0.001	0.025	0.025	0.025	0.025	0.025	0.025	0.025	
1270	SYSKO STONY BROOK	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	
1271	SYSKO WIGHT BROOK	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.003	0.003	0.003	0.003	0.024	0.024	0.024	0.024	0.024	0.024	0.024	
1273	KENNEBEC WATER U5	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.102	0.102	0.102	0.102	0.486	0.486	0.486	0.486	0.486	0.486	0.486	
1286	ANP-BLACKSTONE ENERGY CO. #1	Generator	8506	Southeast	New England	SEMA	Existing	239.174	239.174	239.174	239.174	239.174	239.174	239.174	239.174	239.174	239.174	239.174	
1287	ANP-BLACKSTONE ENERGY 2	Generator	8506	Southeast	New England	SEMA	Existing	245.314	245.314	245.314	245.314	257.88	257.88	257.88	257.88	257.88	257.88	257.88	
1288	BUCKSPORT ENERGY 4	Generator	8500	Rest-of-Pool	ME	ME	Existing	140.775	140.775	140.775	140.775	140.775	140.775	140.775	140.775	140.775	140.775	140.775	
1342	LAKE ROAD 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	245.792	245.792	245.792	245.792	245.792	245.792	245.792	245.792	245.792	245.792	245.792	
1343	LAKE ROAD 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	251.213	251.213	251.213	251.213	251.213	251.213	251.213	251.213	251.213	251.213	251.213	
1344	LAKE ROAD 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	255	255	255	255	256	256	256	256	256	256	256	
1345	WESTBROOK	Generator	8500	Rest-of-Pool	ME	ME	Existing	530	530	530	530	545	545	545	545	545	545	545	
1368	ROCKY GORGE CORPORATION	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.087	0.087	0.087	0.087	0.276	0.276	0.276	0.276	0.276	0.276	0.276	
1376	PPL WALLINGFORD UNIT 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	43.152	43.152	43.152	43.152	43.152	43.152	43.152	43.152	43.152	43.152	43.152	
1377	PPL WALLINGFORD UNIT 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	42.985	42.985	42.985	42.985	42.985	42.985	42.985	42.985	42.985	42.985	42.985	
1378	PPL WALLINGFORD UNIT 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	44.566	44.566	44.566	44.566	44.566	44.566	44.566	44.566	44.566	44.566	44.566	
1379	PPL WALLINGFORD UNIT 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	43.157	43.157	43.157	43.157	43.157	43.157	43.157	43.157	43.157	43.157	43.157	
1380	PPL WALLINGFORD UNIT 5	Generator	8500	Rest-of-Pool	CT	CT	Existing	44.425	44.425	44.425	44.425	44.425	44.425	44.425	44.425	44.425	44.425	44.425	
1385	Milford Power 1 Incremental	Generator	8500	Rest-of-Pool	CT	CT	Existing	253.61	253.61	253.61	253.61	263.61	263.61	263.61	263.61	263.61	263.61	263.61	
1386	MILFORD POWER 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	253.093	253.093	253.093	253.093	263.093	263.093	263.093	263.093	263.093	263.093	263.093	
1412	ANP-BELLINGHAM 1	Generator	8506	Southeast	MA	SEMA	Existing	254.242	254.242	254.242	254.242	254.242	254.242	254.242	254.242	254.242	254.242	254.242	
1415	ANP-BELLINGHAM 2	Generator	8506	Southeast	MA	SEMA	Existing	246.839	246.839	246.839	246.839	258.376	258.376	258.376	258.376	258.376	258.376	258.376	
1432	GRS-FALL RIVER	Generator	8506	Southeast	MA	SEMA	Existing	3.113	3.113	3.113	3.113	3.113	3.113	3.113	3.113	3.113	3.113	3.113	
1478	MYSTIC 8	Generator	8506	Southeast	MA	NEMA	Existing	703.324	703.324	703.324	703.324	814.349	814.349	814.349	814.349	814.349	814.349	814.349	
1572	GRANBY SANITARY LANDFILL OF U5	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.564	2.564	2.564	2.564	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
1616	MYSTIC 9	Generator	8506	Southeast	MA	NEMA	Existing	709.676	709.676	709.676	709.676	754.676	754.676	754.676	754.676	754.676	754.676	754.676	
1625	GRANITE RIDGE	Generator	8500	Rest-of-Pool	NH	NH	Existing	674.549	674.549	674.549	674.549	674.549	674.549	674.549	674.549	674.549	674.549	674.549	
1630	RISEP	Generator	8506	Southeast	RI	RI	Existing	542.127	542.127	542.127	542.127	542.127	542.127	542.127	542.127	542.127	542.127	542.127	
1631	Indeck-Energy Alexandria, LLC	Generator	8500	Rest-of-Pool	NH	NH	Existing	15.031	15.031	15.031	15.031	15.031	15.031	15.031	15.031	15.031	15.031	15.031	
1649	EP Newington Energy, LLC	Generator	8500	Rest-of-Pool	NH	NH	Existing	522.014	522.014	522.014	522.014	522.014	522.014	522.014	522.014	522.014	522.014	522.014	
1656	HULL WIND TURBINE	Generator	8506	Southeast	MA	SEMA	Existing	0.044	0.044	0.044	0.044	0.118	0.118	0.118	0.118	0.118	0.118	0.118	
1672	KENDALL CT	Generator	8506	Southeast	MA	NEMA	Existing	153.533	153.533	153.533	153.533	153.533	153.533	153.533	153.533	153.533	153.533	153.533	
1691	FORE RIVER-1	Generator	8506	Southeast	MA	SEMA	Existing	708	708	708	708	793	793	793	793	793	793	793	
1693	WEST SPRINGFIELD GT-	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	36.908	36.908	36.908	36.908	36.908	36.908	36.908	36.908	36.908	36.908	36.908	
1694	WEST SPRINGFIELD GT-	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	37.441	37.441	37.441	37.441	37.441	37.441	37.441	37.441	37.441	37.441	37.441	
1720	MIDDLEBURY LOWER	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.736	0.736	0.736	0.736	1.229	1.229	1.229	1.229	1.229	1.229	1.229	
2278	BARKER LOWER HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.312	0.312	0.312	0.312	0.806	0.806	0.806	0.806	0.806	0.806	0.806	
2279	BARKER UPPER HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.377	0.377	0.377	0.377	0.83	0.83	0.83	0.83	0.83	0.83	0.83	
2280	BENTON FALLS HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.672	0.672	0.672	0.672	2.315	2.315	2.315	2.315	2.315	2.315	2.315	
2281	BROWNS MILL HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.167	0.167	0.167	0.167	0.537	0.537	0.537	0.537	0.537	0.537	0.537	
2282	DAMARISCOTTA HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0	0	0	0	0.249	0.249	0.249	0.249	0.249	0.249	0.249	
2283	EUSTIS HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.066	0.066	0.066	0.066	0.137	0.137	0.137	0.137	0.137	0.137	0.137	
2284	GARDINER HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.388	0.388	0.388	0.388	0.989	0.989	0.989	0.989	0.989	0.989	0.989	

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
2285	GREENVILLE HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.051	0.051	0.051	0.051	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362
2286	HACKETT MILLS HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.022	0.022	0.022	0.022	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323
2287	MECHANIC FALLS HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.188	0.188	0.188	0.188	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571
2288	NORWAY HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0	0	0	0	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
2289	PIONEER DAM HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.06	0.06	0.06	0.06	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
2290	PITTSFIELD HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.194	0.194	0.194	0.194	0.583	0.583	0.583	0.583	0.583	0.583	0.583	0.583
2291	WAVERLY AVENUE HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.147	0.147	0.147	0.147	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236
2292	YORK HYDRO	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.138	0.138	0.138	0.138	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744
2424	CITIZENS BLOCK LOAD	Generator	8500	Rest-of-Pool	VT	VT	Existing	30	30	30	30	30	30	30	30	30	30	30	30
2425	SPRINGFIELD REFUSE-NEW	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	5.169	5.169	5.169	5.169	5.689	5.689	5.689	5.689	5.689	5.689	5.689	5.689
2426	Hydro Kennebec	Generator	8500	Rest-of-Pool	ME	ME	Existing	7.591	7.591	7.591	7.591	9.765	9.765	9.765	9.765	9.765	9.765	9.765	9.765
2430	BELDEN'S-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.22	1.22	1.22	1.22	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733
2431	DODGE FALLS-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	2.992	2.992	2.992	2.992	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.103
2432	HUNTINGTON FALLS-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.63	1.63	1.63	1.63	2.621	2.621	2.621	2.621	2.621	2.621	2.621	2.621
2433	RVEGATE 1-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	19	19	19	19	19	19	19	19	19	19	19	19
2434	GORGES 18 HYDRO-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.216	0.216	0.216	0.216	1.542	1.542	1.542	1.542	1.542	1.542	1.542	1.542
2435	VERGENNES HYDRO-NEW	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.981	0.981	0.981	0.981	1.393	1.393	1.393	1.393	1.393	1.393	1.393	1.393
2439	BROCKWAY MILLS U5	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.029	0.029	0.029	0.029	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
2462	PLAINVILLE GEN QF U5	Generator	8506	Southeast	MA	SEMA	Existing	2.487	2.487	2.487	2.487	2.698	2.698	2.698	2.698	2.698	2.698	2.698	2.698
2466	CHERRY 7	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
2467	CHERRY 8	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
2468	CHERRY 10	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2469	CHERRY 11	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2470	CHERRY 12	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	4.999	4.999	4.999	4.999	4.999	4.999	4.999	4.999	4.999	4.999	4.999	
9100	CL&P Connecticut Portfolio	Demand	8500	Rest-of-Pool	CT	CT	Existing	10.452	10.452	10.452	10.452	10.452	10.452	10.452	10.452	10.452	10.452	10.452	
9103	CLM C& Energy Efficiency	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.639	3.639	3.639	3.639	3.639	3.639	3.639	3.639	3.639	3.639	3.639	
9104	El C& Energy Efficiency	Demand	8500	Rest-of-Pool	CT	CT	Existing	1.406	1.406	1.406	1.406	1.406	1.406	1.406	1.406	1.406	1.406	1.406	
9105	PSNH CORE EE Pgm Portfolio I	Demand	8500	Rest-of-Pool	NH	NH	Existing	2.749	2.749	2.749	2.749	2.749	2.749	2.749	2.749	2.749	2.749	2.749	
9108	Residential Energy Efficiency	Demand	8500	Rest-of-Pool	VT	VT	Existing	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	
9109	Commercial Energy Efficiency	Demand	8500	Rest-of-Pool	VT	VT	Existing	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	
9114	ngrid nh odr eproject_1	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.689	0.689	0.689	0.689	0.689	0.689	0.689	0.689	0.689	0.689	0.689	
9115	CL&P Dist Gen 2007	Demand	8500	Rest-of-Pool	CT	CT	Existing	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	
9116	ngrid ri odr eproject_1	Demand	8506	Southeast	RI	RI	Existing	6.955	6.955	6.955	6.955	6.955	6.955	6.955	6.955	6.955	6.955	6.955	
9118	Utilit EE Project -2007	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	
9120	ngrid sema odr eproject_1	Demand	8506	Southeast	New England	MA	SEMA	Existing	5.274	5.274	5.274	5.274	5.274	5.274	5.274	5.274	5.274	5.274	5.274
9121	ngrid wcma odr eproject_1	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	5.441	5.441	5.441	5.441	5.441	5.441	5.441	5.441	5.441	5.441	5.441	
9122	ngrid nema odr eproject_1	Demand	8506	Southeast	New England	MA	NEMA	Existing	3.861	3.861	3.861	3.861	3.861	3.861	3.861	3.861	3.861	3.861	3.861
9123	NSTAR SEMA	Demand	8506	Southeast	MA	SEMA	Existing	3.387	3.387	3.387	3.387	3.387	3.387	3.387	3.387	3.387	3.387	3.387	
9125	UES EE Project 2007	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.605	0.605	0.605	0.605	0.605	0.605	0.605	0.605	0.605	0.605	0.605	
9126	NSTAR NEMA 07	Demand	8506	Southeast	MA	NEMA	Existing	4.188	4.188	4.188	4.188	4.188	4.188	4.188	4.188	4.188	4.188	4.188	
9128	NHEC CORE EE Pgm Portfolio 1	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	
9129	UMass Amherst - 4 MW Steam Turbine	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	
10091	MWRA Deer Island	Demand	8506	Southeast	MA	NEMA	Existing	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66	
10106	Citizens Group A	Demand	8500	Rest-of-Pool	VT	VT	Existing	5.076	5.076	5.076	5.076	5.076	5.076	5.076	5.076	5.076	5.076	5.076	
10308	NECCO COGENERATION FACILITY	Generator	8506	Southeast	New England	MA	NEMA	Existing	4.871	4.871	4.871	4.871	4.871	4.871	4.871	4.871	4.871	4.871	4.871
10361	BOC Kittery Load	Demand	8500	Rest-of-Pool	ME	ME	Existing	9.396	9.396	9.396	9.396	9.396	9.396	9.396	9.396	9.396	9.396	9.396	
10401	CELLEY MILL US	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.02	0.02	0.02	0.02	0.082	0.082	0.082	0.082	0.082	0.082	0.082	
10402	PETTYBORO HYDRO U5	Generator	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0	0.004	0.004	0.004	0.004	0.004	0.004	0.004	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
10403	EASTMAN BROOK US	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.007	0.007	0.007	0.007	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
10406	LOWER VALLEY HYDRO US	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.088	0.088	0.088	0.088	0.343	0.343	0.343	0.343	0.343	0.343	0.343	0.343
10407	WOODSVILLE HYDRO	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.117	0.117	0.117	0.117	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
10409	SWEETWATER HYDRO US	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.135	0.135	0.135	0.135	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
10424	Great Lakes - Berlin Incremental	Generator	8500	Rest-of-Pool	NH	NH	Existing	8.859	8.859	8.859	8.859	12.957	12.957	12.957	12.957	12.957	12.957	12.957	12.957
10615	BLUE SPRUCE FARM US	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.254	0.254	0.254	0.254	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243
10770	WEST SPRINGFIELD HYDRO US	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.296	0.296	0.296	0.296	0.887	0.887	0.887	0.887	0.887	0.887	0.887	0.887
10801	COVENTRY CLEAN ENERGY	Generator	8500	Rest-of-Pool	VT	VT	Existing	3.348	3.348	3.348	3.348	3.492	3.492	3.492	3.492	3.492	3.492	3.492	3.492
10959	RRIG EXPANSION PHASE 2	Generator	8506	Southeast New England	RI	RI	Existing	0	0	0	0	0	0	0	0	0	0	0	0
11052	GRTR NEW BEDFORD LGF UTIL PROJ	Generator	8506	Southeast New England	MA	SEMA	Existing	2.427	2.427	2.427	2.427	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
11126	NORTH HARTLAND HYDRO	Generator	8500	Rest-of-Pool	VT	VT	Existing	1.957	1.957	1.957	1.957	2.957	2.957	2.957	2.957	2.957	2.957	2.957	2.957
11408	HULL WIND TURBINE II	Generator	8506	Southeast	MA	SEMA	Existing	0.068	0.068	0.068	0.068	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
11424	RUMFORD FALLS	Generator	8500	Rest-of-Pool	ME	ME	Existing	28.476	28.476	28.476	28.476	35.256	35.256	35.256	35.256	35.256	35.256	35.256	35.256
11842	WATERSIDE POWER	Generator	8500	Rest-of-Pool	CT	CT	Existing	70.017	70.017	70.017	70.017	70.017	70.017	70.017	70.017	70.017	70.017	70.017	
11925	BROCKTON BRIGHTFIELDS	Generator	8506	Southeast New England	MA	SEMA	Existing	0.147	0.147	0.147	0.147	0	0	0	0	0	0	0	0
12108	FIEC DIESEL	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	1.628	
12180	BERKSHIRE COW	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.243	0.243	0.243	0.243	0.318	0.318	0.318	0.318	0.318	0.318	0.318	0.318
12274	GREEN MOUNTAIN DAIRY	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.193	0.193	0.193	0.193	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217
12323	COVENTRY CLEAN ENERGY #4	Generator	8500	Rest-of-Pool	VT	VT	Existing	2.256	2.256	2.256	2.256	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.328
12450	NYPA - CMR	Import	8500	Rest-of-Pool			Existing	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
12451	NYPA - VT	Import	8500	Rest-of-Pool			Existing	14	14	14	14	14	14	14	14	14	14	14	
12452	VJO - Highgate	Import	8500	Rest-of-Pool			Existing	6	6	6	6	6	6	6	6	6	6	6	
12500	Thomas A. Watson	Generator	8506	Southeast	MA	SEMA	Existing	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	105.2	
12504	Devon 15-18	Generator	8500	Rest-of-Pool	CT	CT	Existing	187,589	187,589	187,589	187,589	187,589	187,589	187,589	187,589	187,589	187,589	187,589	
12505	Middletown 12-15	Generator	8500	Rest-of-Pool	CT	CT	Existing	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	
12509	UNH Power Plant	Generator	8500	Rest-of-Pool	NH	NH	Existing	2	2	2	2	2	2	2	2	2	2	2	
12510	Swanton Gas Turbine 1	Generator	8500	Rest-of-Pool	VT	VT	Existing	19.304	19.304	19.304	19.304	19.304	19.304	19.304	19.304	19.304	19.304	19.304	
12511	Swanton Gas Turbine 2	Generator	8500	Rest-of-Pool	VT	VT	Existing	19.349	19.349	19.349	19.349	19.349	19.349	19.349	19.349	19.349	19.349	19.349	
12521	Lowell Power Reactivation	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	74	74	74	74	74	74	74	74	74	74	74	
12524	Cos Cob 13&14	Generator	8500	Rest-of-Pool	CT	CT	Existing	36	36	36	36	36	36	36	36	36	36	36	
12526	Pierce	Generator	8500	Rest-of-Pool	CT	CT	Existing	74,085	74,085	74,085	74,085	74,085	74,085	74,085	74,085	74,085	74,085	74,085	
12530	Sheffield Wind Farm	Generator	8500	Rest-of-Pool	VT	VT	Existing	2,962	2,962	2,962	2,962	8,235	8,235	8,235	8,235	8,235	8,235	8,235	
12551	Kibby Wind Power	Generator	8500	Rest-of-Pool	ME	ME	Existing	15,015	15,015	15,015	15,015	31,14	31,14	31,14	31,14	31,14	31,14	31,14	
12553	Covanta Haverhill Landfill Gas Engine	Generator	8506	Southeast New England	MA	NEMA	Existing	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
12564	Waterbury Generation Facility	Generator	8500	Rest-of-Pool	CT	CT	Existing	96,349	96,349	96,349	96,349	96,349	96,349	96,349	96,349	96,349	96,349	96,349	
12581	CL&P - Conservation & Load Management (CL&M) - Energy Efficiency Project	Demand	8500	Rest-of-Pool	CT	CT	Existing	270,094	270,094	270,094	270,094	270,094	262,841	262,841	262,841	262,841	270,094	270,094	
12583	CL&P Distributed Generation FCM 2010	Demand	8500	Rest-of-Pool	CT	CT	Existing	34,232	34,232	34,232	34,232	34,232	34,232	34,232	34,232	34,232	34,232	34,232	
12584	Conservation and Load Management Program	Demand	8500	Rest-of-Pool	CT	CT	Existing	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	
12586	Efficiency Maine Residential Efficient Products	Demand	8500	Rest-of-Pool	ME	ME	Existing	30,094	30,094	30,094	30,094	30,094	0	0	0	0	30,094	30,094	
12590	Ameresco CT DSM	Demand	8500	Rest-of-Pool	CT	CT	Existing	6,029	6,029	6,029	6,029	6,029	6,029	6,029	6,029	6,029	6,029	6,029	
12597	Cambridge Energy Alliance-1	Demand	8506	Southeast New England	MA	NEMA	Existing	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	
12598	Cambridge Energy Alliance-2	Demand	8506	Southeast New England	MA	NEMA	Existing	4.736	4.736	4.736	4.736	4.736	4.736	4.736	4.736	4.736	4.736	4.736	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
12600	UI Conservation and Load Management Programs	Demand	8500	Rest-of-Pool	CT	CT	Existing	70.392	70.392	70.392	70.392	70.392	67.958	67.958	67.958	67.958	70.392	70.392	
12657	Unitl CORE Energy Efficiency Programs-2	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	
12670	ngrid_nema_fca1_eedodr	Demand	8506	Southeast New England	MA	NEMA	Existing	98.12	98.12	98.12	98.12	98.12	98.12	98.12	98.12	98.12	98.12	98.12	
12671	ngrid_nh_fca1_eedodr	Demand	8500	Rest-of-Pool	NH	NH	Existing	6.226	6.226	6.226	6.226	6.226	6.226	6.226	6.226	6.226	6.226	6.226	
12672	ngrid_ri_fca1_eedodr	Demand	8506	Southeast	RI	RI	Existing	169.124	169.124	169.124	169.124	169.124	169.124	169.124	169.124	169.124	169.124	169.124	
12673	ngrid_sema_fca1_eedodr	Demand	8506	Southeast	MA	SEMA	Existing	130.783	130.783	130.783	130.783	130.783	130.783	130.783	130.783	130.783	130.783	130.783	
12674	ngrid_wcmca_fca1_eedodr	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	185.479	185.479	185.479	185.479	185.479	185.479	185.479	185.479	185.479	185.479	185.479	
12684	NSTAR EE NEMA	Demand	8506	Southeast	MA	NEMA	Existing	375.665	375.665	375.665	375.665	375.665	375.665	375.665	375.665	375.665	375.665	375.665	
12685	NSTAR EE SEMA	Demand	8506	Southeast	MA	SEMA	Existing	73.008	73.008	73.008	73.008	73.008	73.008	73.008	73.008	73.008	73.008	73.008	
12693	PSNH CORE Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	Existing	50.911	50.911	50.911	50.911	50.911	50.911	50.911	50.911	50.911	50.911	50.911	
12694	Acushnet Company - Ball Plant II - Combined Heat and Power Project	Demand	8506	Southeast New England	MA	SEMA	Existing	2.111	2.111	2.111	2.111	2.111	2.111	2.111	2.111	2.111	2.111	2.111	
12696	7.9 MW CHP Plant	Demand	8500	Rest-of-Pool	NH	NH	Existing	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
12705	Cape Light Compact Energy Efficiency Portfolio	Demand	8506	Southeast New England	MA	SEMA	Existing	39.604	39.604	39.604	39.604	39.604	39.604	39.604	39.604	39.604	39.604	39.604	
12749	Bridgewater Correctional Complex Cogeneration	Demand	8506	Southeast New England	MA	SEMA	Existing	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	1.412	
12753	MA SEMA state colleges	Demand	8506	Southeast	MA	SEMA	Existing	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	
12754	Tewksbury State Hospital Cogenerator	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	
12757	NHEC Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
12779	CPLN CT On-Peak	Demand	8500	Rest-of-Pool	CT	CT	Existing	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	
12786	CSG Aggregation of DG and 24 hr lighting EE - NEMA1	Demand	8506	Southeast New England	MA	NEMA	Existing	12.318	12.318	12.318	12.318	12.318	12.318	12.318	12.318	12.318	12.318	12.318	
12790	CSG Aggregation of DG and 24 hr lighting EE - RI	Demand	8506	Southeast New England	RI	RI	Existing	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	
12791	CSG Aggregation of DG and 24 hr lighting EE - SEMA1	Demand	8506	Southeast New England	MA	SEMA	Existing	1.517	1.517	1.517	1.517	1.517	1.517	1.517	1.517	1.517	1.517	1.517	
12799	CSG Aggregation of DG and 24 hr lighting EE - WCMA1	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	
12801	UES CORE Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	Existing	7.64	7.64	7.64	7.64	7.64	7.64	7.64	7.64	7.64	7.64	7.64	
12802	University of Massachusetts Central Heating Plant-3	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	10.26	10.26	10.26	10.26	10.26	10.26	10.26	10.26	10.26	10.26	10.26	
12806	WMECO - Conservation & Load Management (CL&M) - Energy Efficiency Project	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	33.939	33.939	33.939	33.939	33.939	33.939	33.939	33.939	33.939	33.939	33.939	
12822	Burlington Electric Department - On-Peak Efficiency	Demand	8500	Rest-of-Pool	VT	VT	Existing	6.071	6.071	6.071	6.071	6.071	6.071	6.071	6.071	6.071	6.071	6.071	
12832	CPLN MA NEMA OP	Demand	8506	Southeast	MA	NEMA	Existing	6.561	6.561	6.561	6.561	6.561	6.561	6.561	6.561	6.561	6.561	6.561	
12835	CPLN MA SEMA OP	Demand	8506	Southeast	MA	SEMA	Existing	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	
12838	CPLN MA WC OP	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	7.691	7.691	7.691	7.691	7.691	7.691	7.691	7.691	7.691	7.691	7.691	
12843	CPLN RI OP	Demand	8506	Southeast	RI	RI	Existing	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	
12845	Vermont Efficiency Portfolio-1	Demand	8500	Rest-of-Pool	VT	VT	Existing	107.571	107.571	107.571	107.571	107.571	107.571	107.571	107.571	107.571	107.571	107.571	
13669	Manchester Methane LLC East Windsor Facility	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	
13673	MATEP (DIESEL)	Generator	8506	Southeast	MA	NEMA	Existing	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
13675	MATEP (COMBINED CYCLE)	Generator	8506	Southeast New England	MA	NEMA	Existing	42.515	42.515	42.515	42.515	42.515	42.515	42.515	42.515	42.515	42.515	42.515	
13703	Verso VCG1	Generator	8500	Rest-of-Pool	ME	ME	Existing	42.483	42.483	42.483	42.483	42.483	42.483	42.483	42.483	42.483	42.483	42.483	
13704	Verso VCG2	Generator	8500	Rest-of-Pool	ME	ME	Existing	45.167	45.167	45.167	45.167	45.167	45.167	45.167	45.167	45.167	45.167	45.167	
13705	Verso VCG3	Generator	8500	Rest-of-Pool	ME	ME	Existing	43.399	43.399	43.399	43.399	43.399	43.399	43.399	43.399	43.399	43.399	43.399	
	Corriveau Hydroelectric LLC	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.042	0.042	0.042	0.042	0.036	0.036	0.036	0.036	0.036	0.036	0.036	
14087	MAT3	Generator	8506	Southeast	MA	NEMA	Existing	11.573	11.573	11.573	11.573	11.573	11.573	11.573	11.573	11.573	11.573	11.573	
14217	NORTHLFIELD MOUNTAIN 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14218	NORTHLFIELD MOUNTAIN 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	281.75	281.75	281.75	281.75	281.75	281.75	281.75	
14219	NORTHLFIELD MOUNTAIN 3	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14220	NORTHLFIELD MOUNTAIN 4	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14271	Ameresco	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748	
14579	FGE Energy Efficiency Portfolio 2011	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
14580	UES Energy Efficiency Portfolio 2011	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	
14595	Granite Reliable Power	Generator	8500	Rest-of-Pool	NH	NH	Existing	14.034	14.034	14.034	14.034	26.748	26.748	26.748	26.748	26.748	26.748	26.748	
14599	Rhode Island LGF Genco, LLC - ST	Generator	8506	Southeast New England	RI	RI	Existing	26	26	26	26	26	26	26	26	26	26	26	
	Princeton Wind Farm Project	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.161	0.161	0.161	0.161	0.421	0.421	0.421	0.421	0.421	0.421	0.421	
14614	Kleen Energy	Generator	8500	Rest-of-Pool	CT	CT	Existing	620	620	620	620	620	620	620	620	620	620	620	
	Valley Hydro (Station No. 5)	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.11	0.11	0.11	0.11	0.458	0.458	0.458	0.458	0.458	0.458	0.458	
14623	Templeton Wind Turbine	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.058	0.058	0.058	0.058	0.116	0.116	0.116	0.116	0.116	0.116	0.116	
14660	Lempster Wind	Generator	8500	Rest-of-Pool	NH	NH	Existing	3.019	3.019	3.019	3.019	8.179	8.179	8.179	8.179	8.179	8.179	8.179	
14661	Berkshire Wind Power Project	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.754	1.754	1.754	1.754	6.092	6.092	6.092	6.092	6.092	6.092	6.092	
14663	WMRE Crossroads	Generator	8500	Rest-of-Pool	ME	ME	Existing	2.294	2.294	2.294	2.294	2.294	2.294	2.294	2.294	2.294	2.294	2.294	
14665	Record Hill Wind	Generator	8500	Rest-of-Pool	ME	ME	Existing	5.389	5.389	5.389	5.389	11.313	11.313	11.313	11.313	11.313	11.313	11.313	
14706	Kimberly-Clark Corp Energy Independence Project	Generator	8500	Rest-of-Pool	CT	CT	Existing	13.375	13.375	13.375	13.375	13.375	13.375	13.375	13.375	13.375	13.375	13.375	
15415	Dartmouth Power Expansion	Generator	8506	Southeast New England	MA	SEMA	Existing	19.942	19.942	19.942	19.942	19.942	19.942	19.942	19.942	19.942	19.942	19.942	
15477	New Haven Harbor Units 2, 3, & 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	
15509	Plainfield Renewable Energy	Generator	8500	Rest-of-Pool	CT	CT	Existing	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	
15586	Gardner Wind Turbine	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.318	0.318	0.318	0.318	0.318	0.318	0.318	0.318	0.318	0.318	0.318	
16296	Milford Hydro	Generator	8500	Rest-of-Pool	ME	ME	Existing	5.587	5.587	5.587	5.587	6.229	6.229	6.229	6.229	6.229	6.229	6.229	
16523	Stillwater	Generator	8500	Rest-of-Pool	ME	ME	Existing	1.57	1.57	1.57	1.57	1.347	1.347	1.347	1.347	1.347	1.347	1.347	
16525	Medway	Generator	8500	Rest-of-Pool	ME	ME	Existing	3.443	3.443	3.443	3.443	2.869	2.869	2.869	2.869	2.869	2.869	2.869	
16547	UI C&LM Programs	Demand	8500	Rest-of-Pool	CT	CT	Existing	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	
16631	Victory Road Dorchester PV	Generator	8506	Southeast New England	MA	NEMA	Existing	0.316	0.316	0.316	0.316	0	0	0	0	0	0	0	
16640	Hilldale Ave Haverhill PV	Generator	8506	Southeast New England	MA	NEMA	Existing	0.27	0.27	0.27	0.27	0	0	0	0	0	0	0	
16642	Railroad Street Revere PV	Generator	8506	Southeast New England	MA	NEMA	Existing	0.245	0.245	0.245	0.245	0	0	0	0	0	0	0	
16643	Rover Street Everett PV	Generator	8506	Southeast	MA	NEMA	Existing	0.168	0.168	0.168	0.168	0	0	0	0	0	0	0	
16644	Main Street Whittinsville PV	Generator	8506	New England	MA	SEMA	Existing	0.28	0.28	0.28	0.28	0	0	0	0	0	0	0	
16651	Efficiency Maine Trust Efficient Products	Demand	8500	Rest-of-Pool	ME	ME	Existing	45.766	45.766	45.766	45.766	45.766	33.79	33.79	33.79	33.79	45.766	45.766	
16653	Berlin Biopower	Generator	8500	Rest-of-Pool	NH	NH	Existing	65.38	65.38	65.38	65.38	65.38	65.38	65.38	65.38	65.38	65.38	65.38	
16659	Ipswich Wind Farm 1	Generator	8506	Southeast	MA	NEMA	Existing	0.148	0.148	0.148	0.148	0.298	0.298	0.298	0.298	0.298	0.298	0.298	
16687	Bangor Hydro OP	Demand	8500	Rest-of-Pool	ME	ME	Existing	11.232	11.232	11.232	11.232	11.232	11.232	11.232	11.232	11.232	11.232	11.232	
16688	Nor1	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
16700	RI CoolSentry	Demand	8506	Southeast	RI	RI	Existing	0	0	0	0	0	0	0	0	0	0	0	0
16713	Converge CoolSentry 2	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
16718	Converge CoolSentry 4	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
16737	DFC-ERG Hybrid Fuel Cell (3)	Generator	8500	Rest-of-Pool	CT	CT	Existing	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
16738	BFCP Fuel Cell	Generator	8500	Rest-of-Pool	CT	CT	Existing	13.054	13.054	13.054	13.054	13.054	13.054	13.054	13.054	13.054	13.054	13.054	
16750	Norden #2	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.947	1.947	1.947	1.947	1.947	1.947	1.947	1.947	1.947	1.947	1.947	
16752	Norden #3	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.942	1.942	1.942	1.942	1.942	1.942	1.942	1.942	1.942	1.942	1.942	
16790	WCMA Project E	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
17321	RTEG_76_Springfield MA (7516)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	3.866	3.866	3.866	3.866	3.866	3.866	3.866	3.866	3.866	3.866	3.866	
35442	Seaman Energy	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.335	0.335	0.335	0.335	0.372	0.372	0.372	0.372	0.372	0.372	0.372	
35453	Efficiency Maine Trust	Demand	8500	Rest-of-Pool	ME	ME	Existing	21.301	21.301	21.301	21.301	21.301	21.301	21.301	21.301	21.301	21.301	21.301	
35485	Fitchburg-FCA-5	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	3.694	3.694	3.694	3.694	3.694	3.694	3.694	3.694	3.694	3.694	3.694	
35555	GMCW	Generator	8500	Rest-of-Pool	VT	VT	Existing	0.869	0.869	0.869	0.869	2.28	2.28	2.28	2.28	2.28	2.28	2.28	
35593	Fiske Hydro	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.054	0.054	0.054	0.054	0.108	0.108	0.108	0.108	0.108	0.108	0.108	
35594	Spaulding Pond Hydro	Generator	8500	Rest-of-Pool	NH	NH	Existing	0.024	0.024	0.024	0.024	0.172	0.172	0.172	0.172	0.172	0.172	0.172	
35656	Rainbow_2	Generator	8500	Rest-of-Pool	CT	CT	Existing	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	
35657	Shrewsbury Diesels	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	
35658	Rainbow_1	Generator	8500	Rest-of-Pool	CT	CT	Existing	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	
35693	Spruce Mountain Wind	Generator	8500	Rest-of-Pool	ME	ME	Existing	2.372	2.372	2.372	2.372	6.185	6.185	6.185	6.185	6.185	6.185	6.185	
35728	Moretown LG	Generator	8500	Rest-of-Pool	VT	VT	Existing	3.008	3.008	3.008	3.008	3.008	3.008	3.008	3.008	3.008	3.008	3.008	
35979	Kingdom Community Wind	Generator	8500	Rest-of-Pool	VT	VT	Existing	9.08	9.08	9.08	9.08	15.695	15.695	15.695	15.695	15.695	15.695	15.695	
37040	KENDALL STEAM	Generator	8506	Southeast	MA	NEMA	Existing	27.75	27.75	27.75	27.75	27.75	27.75	27.75	27.75	27.75	27.75	27.75	
37050	Groton Wind Project	Generator	8500	Rest-of-Pool	NH	NH	Existing	5.717	5.717	5.717	5.717	9.756	9.756	9.756	9.756	9.756	9.756	9.756	
37072	Beaver_Ridge_Wind	Generator	8500	Rest-of-Pool	ME	ME	Existing	0.459	0.459	0.459	0.459	1.235	1.235	1.235	1.235	1.235	1.235	1.235	
37077	Woronoco Hydro LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.392	0.392	0.392	0.392	1.368	1.368	1.368	1.368	1.368	1.368	1.368	
37105	Blue Sky West	Generator	8500	Rest-of-Pool	ME	ME	Existing	42.27	42.27	42.27	42.27	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
37112	Efficiency Maine Trust FCA6	Demand	8500	Rest-of-Pool	ME	ME	Existing	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	
37120	Thundermist Hydropower	Generator	8506	Southeast	New England	RI	RI	Existing	0	0	0	0	0.789	0.789	0.789	0.789	0.789	0.789	0.789
37917	RTDR_50744_Boston (7507) - Grp C	Demand	8506	Southeast	New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0
37918	RTDR_50744_Central MA (7515) - Grp A	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
37919	RTDR_50744_Lower SEMA (7511) - Grp C	Demand	8506	Southeast	New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0
37920	RTDR_50744_North Shore (7508) - Grp C	Demand	8506	Southeast	New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0
37922	RTDR_50744_Northern CT (7501) - Grp B	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
37924	RTDR_50744_SEMA (7512) - Grp C	Demand	8506	Southeast	New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0
37925	RTDR_50744_Springfiel d MA (7516) - Grp A	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
37927	RTDR_50744_Western CT (7503) - Grp B	Demand	8500	Rest-of-Pool	CT	CT	Existing	4.882	4.882	4.882	4.882	4.882	4.882	4.882	4.882	4.882	4.882	4.882	
37928	RTDR_50786_Boston (7507)	Demand	8506	Southeast	New England	MA	NEMA	Existing	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
37929	RTDR_50786_Central MA (7515)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.924	0.924	0.924	0.924	0.924	0.924	0.924	0.924	0.924	0.924	0.924	
37931	RTDR_50786_Lower SEMA (7511)	Demand	8506	Southeast	New England	MA	SEMA	Existing	1.608	1.608	1.608	1.608	1.608	1.608	1.608	1.608	1.608	1.608	1.608
37933	RTDR_50786_New Hampshire (7509)	Demand	8500	Rest-of-Pool	NH	NH	Existing	1.893	1.893	1.893	1.893	1.893	1.893	1.893	1.893	1.893	1.893	1.893	
37934	RTDR_50786_North Shore (7508)	Demand	8506	Southeast	New England	MA	NEMA	Existing	1.512	1.512	1.512	1.512	1.512	1.512	1.512	1.512	1.512	1.512	1.512
37935	RTDR_50786_Northern CT (7501)	Demand	8500	Rest-of-Pool	CT	CT	Existing	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789	
37937	RTDR_50786_Portland Maine (7506)	Demand	8500	Rest-of-Pool	ME	ME	Existing	0.797	0.797	0.797	0.797	0.797	0.797	0.797	0.797	0.797	0.797	0.797	
37939	RTDR_50786_SEMA (7512)	Demand	8506	Southeast	New England	MA	SEMA	Existing	1.741	1.741	1.741	1.741	1.741	1.741	1.741	1.741	1.741	1.741	1.741

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
37940	RTDR_50786_Seacoast (7510)	Demand	8500	Rest-of-Pool	NH	NH	Existing	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	
37941	RTDR_50786_Springfield MA (7516)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.692	0.692	0.692	0.692	0.692	0.692	0.692	0.692	0.692	0.692	0.692	
37942	RTDR_50786_Vermont (7514)	Demand	8500	Rest-of-Pool	VT	VT	Existing	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	
37943	RTDR_50786_Western CT (7503)	Demand	8500	Rest-of-Pool	CT	CT	Existing	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	
37944	RTDR_50786_Western MA (7517)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	
37990	RTEG_50017_Bangor Hydro (7504)	Demand	8500	Rest-of-Pool	ME	ME	Existing	0.581	0.581	0.581	0.581	0.581	0.581	0.433	0.433	0.433	0.581	0.581	
37991	RTEG_50017_Boston (7507)	Demand	8506	Southeast New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
37993	RTEG_50017_Eastern CT (7500)	Demand	8500	Rest-of-Pool	CT	CT	Existing	4.468	4.468	4.468	4.468	4.468	4.468	4.468	4.468	4.468	4.468	4.468	
37994	RTEG_50017_Lower SEMA (7511)	Demand	8506	Southeast New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
37995	RTEG_50017_Maine (7505)	Demand	8500	Rest-of-Pool	ME	ME	Existing	4.912	4.912	4.912	4.912	4.912	4.912	3.402	3.402	3.402	4.912	4.912	
37996	RTEG_50017_New Hampshire (7509)	Demand	8500	Rest-of-Pool	NH	NH	Existing	13.23	13.23	13.23	13.23	13.23	13.23	11.253	11.253	11.253	11.253	13.23	
37997	RTEG_50017_North Shore (7508)	Demand	8506	Southeast New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
37998	RTEG_50017_Northern CT (7501)	Demand	8500	Rest-of-Pool	CT	CT	Existing	7.848	7.848	7.848	7.848	7.848	7.848	7.416	7.416	7.416	7.416	7.848	
37999	RTEG_50017_Northwestern Vermont (7513)	Demand	8500	Rest-of-Pool	VT	VT	Existing	2.308	2.308	2.308	2.308	2.308	2.308	2.2	2.2	2.2	2.2	2.308	
38001	RTEG_50017_Portland Maine (7506)	Demand	8500	Rest-of-Pool	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	
38004	RTEG_50017_Seacoast (7510)	Demand	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0	0	0	0	0	0	0	0	
38005	RTEG_50017_Springfield MA (7516)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	2.65	2.65	2.65	2.65	2.65	2.65	2.116	2.116	2.116	2.65	2.65	
38006	RTEG_50017_Vermont (7514)	Demand	8500	Rest-of-Pool	VT	VT	Existing	0.54	0.54	0.54	0.54	0.54	0.54	0.432	0.432	0.432	0.54	0.54	
38008	RTEG_50017_Western MA (7517)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
38057	Efficiency Maine Trust FCA6B	Demand	8500	Rest-of-Pool	ME	ME	Existing	50.441	50.441	50.441	50.441	50.441	50.441	89.815	89.815	89.815	50.441	50.441	
38078	NFM Solar Power, LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.507	0.507	0.507	0.507	0.507	0	0	0	0	0	0	
38089	Footprint Combined Cycle	Generator	8506	Southeast New England	MA	NEMA	Existing	674	674	674	674	674	674	674	674	674	674	674	
38114	East Bridgewater Solar Energy Project	Generator	8506	Southeast New England	MA	SEMA	Existing	0.85	0.85	0.85	0.85	0	0	0	0	0	0	0	
38115	Harrington Street PV Project	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.43	1.43	1.43	1.43	0	0	0	0	0	0	0	
38120	RTDR_50017_Bangor Hydro (7504) - 3	Demand	8500	Rest-of-Pool	ME	ME	Existing	2.43	2.43	2.43	2.43	2.43	2.43	2.652	2.652	2.652	2.43	2.43	
38122	RTDR_50017_Central MA (7515) - 3	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
38123	RTDR_50017_Eastern CT (7500) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	6.055	6.055	6.055	6.055	6.055	5.819	5.819	5.819	6.055	6.055	6.055	
38124	RTDR_50017_Lower SEMA (7511) - 3	Demand	8506	Southeast New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
38125	RTDR_50017_Maine (7505) - 3	Demand	8500	Rest-of-Pool	ME	ME	Existing	58.299	58.299	58.299	58.299	58.299	63.993	63.993	63.993	58.299	58.299	58.299	
38126	RTDR_50017_New Hampshire (7509) - 3	Demand	8500	Rest-of-Pool	NH	NH	Existing	0	0	0	0	0	0	0	0	0	0	0	
38128	RTDR_50017_Northern CT (7501) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.738	3.738	3.738	3.738	3.738	3.61	3.61	3.61	3.738	3.738	3.738	
38129	RTDR_50017_Northwestern Vermont (7513) - 3	Demand	8500	Rest-of-Pool	VT	VT	Existing	21.382	21.382	21.382	21.382	21.382	22.636	22.636	22.636	21.382	21.382	21.382	
38130	RTDR_50017_Norwalk-Stamford (7502) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
38131	RTDR_50017_Portland Maine (7506) - 3	Demand	8500	Rest-of-Pool	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38132	RTDR_50017_Rhode Island (7518) - 3	Demand	8506	Southeast New England	RI	RI	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38133	RTDR_50017_SEMA (7512) - 3	Demand	8506	Southeast New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38134	RTDR_50017_Seacoast (7510) - 3	Demand	8500	Rest-of-Pool	NH	NH	Existing	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.391	1.391
38135	RTDR_50017_Springfiel d MA (7516) - 3	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	6.343	6.343	6.343	6.343	6.343	6.343	5.176	5.176	5.176	5.176	6.343	6.343
38136	RTDR_50017_Vermont (7514) - 3	Demand	8500	Rest-of-Pool	VT	VT	Existing	5.171	5.171	5.171	5.171	5.171	5.171	5.171	5.171	5.171	5.171	5.171	5.171
38137	RTDR_50017_Western CT (7503) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38138	RTDR_50017_Western MA (7517) - 3	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	12.74	12.74	12.74	12.74	12.74	12.74	11.918	11.918	11.918	11.918	12.74	12.74
38139	RTEG_50017_Central MA (7515) - 3	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38140	RTEG_50017_Norwalk - Stamford (7502) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38141	RTEG_50017_Rhode Island (7518) - 3	Demand	8506	Southeast New England	RI	RI	Existing	10.249	10.249	10.249	10.249	10.249	10.249	10.249	10.249	10.249	10.249	10.249	
38142	RTEG_50017_SEMA (7512) - 3	Demand	8506	Southeast New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38143	RTEG_50017_Western CT (7503) - 3	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
38173	Saddleback Ridge Wind	Generator	8500	Rest-of-Pool	ME	ME	Existing	3.75	3.75	3.75	3.75	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23
38178	Southbridge Landfill Gas to Energy 17-18	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
38181	Westford Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.8	1.8	1.8	1.8	0	0	0	0	0	0	0	0
38182	MAT-2 (MATEP Combined Cycle)	Generator	8506	Southeast New England	MA	NEMA	Existing	13.85	13.85	13.85	13.85	13.85	13.85	13.85	13.85	13.85	13.85	13.85	13.85
38210	RTDR_50689_North_Shore_38210	Demand	8506	Southeast New England	MA	NEMA	Existing	11.326	11.326	11.326	11.326	11.326	11.326	11.326	11.326	11.326	11.326	11.326	
38216	WCMA CHP	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.972	0.972	0.972	0.972	0.972	0.972	0.972	0.972	0.972	0.972	0.972	
38217	RI CHP	Demand	8506	Southeast	RI	RI	Existing	9.257	9.257	9.257	9.257	9.257	9.257	9.257	9.257	9.257	9.257	9.257	
38219	WMECO EE WCMA	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	41.37	41.37	41.37	41.37	41.37	41.37	41.37	41.37	41.37	41.37	41.37	
38249	Silver lake Photovoltaic Facility	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.458	0.458	0.458	0.458	0	0	0	0	0	0	0	0
38250	Indian Orchard Photovoltaic Facility	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.595	0.595	0.595	0.595	0	0	0	0	0	0	0	0
38252	Indian River Power Supply# LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.176	0.176	0.176	0.176	0.319	0.319	0.319	0.319	0.319	0.319	0.319	
38268	NEMA 1 EG	Demand	8506	Southeast	MA	NEMA	Existing	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	
38270	NEMA 2 EG	Demand	8506	Southeast	MA	NEMA	Existing	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	
38272	SEMA 1 EG	Demand	8506	Southeast	MA	SEMA	Existing	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	
38274	WCMA 1 EG	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	
38276	RI 1 EG	Demand	8506	Southeast	RI	RI	Existing	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	
38278	Wallingford Unit 6 and Unit 7	Generator	8500	Rest-of-Pool	CT	CT	Existing	90	90	90	90	90	90	90	90	90	90	90	
38287	WMA Chester Solar 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.904	1.904	1.904	1.904	0	0	0	0	0	0	0	
38289	Medway Peaker - SEMARI	Generator	8506	Southeast	MA	SEMA	Existing	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	
38297	CPV_Towantic	Generator	8500	Rest-of-Pool	CT	CT	Existing	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	
38302	Fisher Road Solar I	Generator	8506	Southeast	MA	SEMA	Existing	1.92	1.92	1.92	1.92	0	0	0	0	0	0	0	
38311	NEMA CHP	Demand	8506	Southeast	MA	NEMA	Existing	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	
38322	DRCR_Central MA_201403	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	10	10	10	10	10	10	10	10	10	10	10	
38324	DRCR_Lower SEMA_201403	Demand	8506	Southeast	MA	SEMA	Existing	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038	3.038	
38331	DRCR_Rhode Island_201403	Demand	8506	Southeast	RI	RI	Existing	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	
38334	DRCR_SEMA_201403	Demand	8506	Southeast	MA	SEMA	Existing	20.034	20.034	20.034	20.034	20.034	20.034	20.034	20.034	20.034	20.034	20.034	
38360	DRCR_Boston_201403	Demand	8506	Southeast	MA	NEMA	Existing	10	10	10	10	10	10	10	10	10	10	10	
38372	Dartmouth Solar	Generator	8506	Southeast	MA	SEMA	Existing	1.43	1.43	1.43	1.43	0	0	0	0	0	0	0	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
38373	Holliston	Generator	8506	Southeast	MA	SEMA	Existing	1.523	1.523	1.523	0	0	0	0	0	0	0	0	0
38374	Plymouth	Generator	8506	Southeast	MA	SEMA	Existing	1.9	1.9	1.9	0	0	0	0	0	0	0	0	0
38375	Uxbridge	Generator	8506	Southeast	MA	SEMA	Existing	1.23	1.23	1.23	0	0	0	0	0	0	0	0	0
38376	Landcraft	Generator	8506	Southeast	MA	SEMA	Existing	1.35	1.35	1.35	0	0	0	0	0	0	0	0	0
38378	LSRHS	Generator	8506	Southeast	MA	NEMA	Existing	0.42	0.42	0.42	0	0	0	0	0	0	0	0	0
38380	Treasure Valley- SE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.07	2.07	2.07	0	0	0	0	0	0	0	0	0
38381	Belchertown Sed	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.53	0.53	0.53	0	0	0	0	0	0	0	0	0
38388	CSG Aggregation of DG and 24 hr lighting EE - SEMA1_2	Demand	8506	Southeast	MA	SEMA	Existing	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333
	CSG Aggregation of DG and 24 hr lighting EE - WCMA1_2	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333	2.333
38389	Efficiency Maine Trust FCA9	Demand	8500	Rest-of-Pool	ME	ME	Existing	4.049	4.049	4.049	4.049	4.049	4.049	4.049	4.049	4.049	4.049	4.049	4.049
38393	RTDR_51325_Maine (7505)	Demand	8500	Rest-of-Pool	ME	ME	Existing	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
38396	NEMA 1 - New T4	Demand	8506	Southeast	MA	NEMA	Existing	1	1	1	1	1	1	1	1	1	1	1	1
38398	NEMA 2 - New T4	Demand	8506	Southeast	MA	NEMA	Existing	1	1	1	1	1	1	1	1	1	1	1	1
38400	RI 1 - New T4	Demand	8506	Southeast	RI	RI	Existing	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592
38401	RI 1 - Retrofit	Demand	8506	Southeast	RI	RI	Existing	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296
38402	SEMA 1 - New T4	Demand	8506	Southeast	MA	SEMA	Existing	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644
38403	SEMA 1 - Retrofit	Demand	8506	Southeast	MA	SEMA	Existing	2.268	2.268	2.268	2.268	2.268	2.268	2.268	2.268	2.268	2.268	2.268	2.268
38404	WCMA 1 - New T4	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1	1	1	1	1	1	1	1	1	1	1	1
38485	CT_DR	Demand	8500	Rest-of-Pool	CT	CT	Existing	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296
38502	WestMA RTEG	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296
355	BRANFORD 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
392	DEXTER	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
396	DEVON 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
420	FRANKLIN DRIVE 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
541	PROCTOR	Generator	8500	Rest-of-Pool	VT	VT	New	2.189	2.189	2.189	2.189	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02
595	TORRINGTON TERMINAL 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
1226	TIVERTON POWER	Generator	8506	Southeast	RI	RI	New	12	12	12	12	13.203	13.203	13.203	13.203	13.203	13.203	13.203	13.203
1342	LAKE ROAD 1	Generator	8500	Rest-of-Pool	CT	CT	New	14	14	14	14	14	14	14	14	14	14	14	14
1343	LAKE ROAD 2	Generator	8500	Rest-of-Pool	CT	CT	New	14	14	14	14	14	14	14	14	14	14	14	14
1344	LAKE ROAD 3	Generator	8500	Rest-of-Pool	CT	CT	New	14	14	14	14	14	14	14	14	14	14	14	14
1385	Milford Power 1 Incremental	Generator	8500	Rest-of-Pool	CT	CT	New	14	14	14	14	14	14	14	14	14	14	14	14
1386	MILFORD POWER 2	Generator	8500	Rest-of-Pool	CT	CT	New	14	14	14	14	14	14	14	14	14	14	14	14
12581	CL&P - Conservation & Load Management (CL&M) - Energy Efficiency Project	Demand	8500	Rest-of-Pool	CT	CT	New	84.501	84.501	84.501	84.501	84.501	91.754	91.754	91.754	84.501	84.501	84.501	84.501
12600	UI Conservation and Load Management Programs	Demand	8500	Rest-of-Pool	CT	CT	New	3.255	3.255	3.255	3.255	3.255	5.689	5.689	5.689	3.255	3.255	3.255	3.255
12657	Utilit CORE Energy Efficiency Programs-2	Demand	8500	Rest-of-Pool	MA	WCMA	New	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331
12670	ngrid_nema_fca1_eoddr	Demand	8506	Southeast	MA	NEMA	New	20.037	20.037	20.037	20.037	20.037	20.037	20.037	20.037	20.037	20.037	20.037	
12671	ngrid_nh_fca1_eoddr	Demand	8500	Rest-of-Pool	NH	NH	New	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	
12672	ngrid_ri_fca1_eoddr	Demand	8506	Southeast	RI	RI	New	31.017	31.017	31.017	31.017	31.017	31.017	31.017	31.017	31.017	31.017	31.017	
12673	ngrid_sema_fca1_eoddr	Demand	8506	Southeast	MA	SEMA	New	26.724	26.724	26.724	26.724	26.724	26.724	26.724	26.724	26.724	26.724	26.724	
12674	ngrid_wcma_fca1_eoddr	Demand	8500	Rest-of-Pool	MA	WCMA	New	35.267	35.267	35.267	35.267	35.267	35.267	35.267	35.267	35.267	35.267	35.267	
12684	NSTAR EE NEMA	Demand	8506	Southeast	MA	NEMA	New	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	
12685	NSTAR EE SEMA	Demand	8506	Southeast	MA	SEMA	New	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	
12693	PSNH CORE Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	New	6.099	6.099	6.099	6.099	6.099	6.099	6.099	6.099	6.099	6.099	6.099	
12757	NHCC Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	New	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	
12779	CPLN CT On-Peak	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	0
12801	UES CORE Energy Efficiency Programs	Demand	8500	Rest-of-Pool	NH	NH	New	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
12822	Burlington Electric Department - On-Peak Efficiency	Demand	8500	Rest-of-Pool	VT	VT	New	0.293	0.293	0.293	0.293	0.293	0.293	0.402	0.402	0.402	0.402	0.293	0.293
12832	CPLN MA NEMA OP	Demand	8506	Southeast	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
12835	CPLN MA SEMA OP	Demand	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
12838	CPLN MA WC OP	Demand	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	0
12845	Vermont Efficiency Portfolio-1	Demand	8500	Rest-of-Pool	VT	VT	New	0	0	0	0	0	0	2.57	2.57	2.57	2.57	0	0
38057	Efficiency Maine Trust FCA6 B	Demand	8500	Rest-of-Pool	ME	ME	New	18.279	18.279	18.279	18.279	18.279	20.975	20.975	20.975	20.975	18.279	18.279	
38124	RTDR_50017_Lower SEMA (7511) - 3	Demand	8506	Southeast	New England	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0
38126	RTDR_50017_New Hampshire (7509) - 3	Demand	8500	Rest-of-Pool	NH	NH	New	0	0	0	0	0	0	0	0	0	0	0	0
38127	RTDR_50017_North Shore (7508) - 3	Demand	8506	Southeast	New England	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0
38135	RTDR_50017_Springfield MA (7516) - 3	Demand	8500	Rest-of-Pool	MA	WCMA	New	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
38136	RTDR_50017_Vermont (7514) - 3	Demand	8500	Rest-of-Pool	VT	VT	New	0	0	0	0	0	0	0	0	0	0	0	0
38206	Bridgeport Harbor 6	Generator	8500	Rest-of-Pool	CT	CT	New	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
38216	WCMA CHP	Demand	8500	Rest-of-Pool	MA	WCMA	New	9.086	9.086	9.086	9.086	9.086	9.086	9.086	9.086	9.086	9.086	9.086	9.086
38219	WMECO EE WCMA	Demand	8500	Rest-of-Pool	MA	WCMA	New	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92
38254	PVEC LLC	Generator	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38259	Brockton Power Co	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38310	Canal 3	Generator	8506	Southeast	MA	SEMA	New	333	333	333	333	333	333	333	333	333	333	333	333
38311	NEMA CHP	Demand	8506	Southeast	MA	NEMA	New	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372	1.372
38387	CSG Aggregation of DG and 24 hr lighting EE - NEMA1_2	Demand	8506	Southeast	New England	MA	NEMA	New	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743
38393	RTDR_51325_Maine (7505)	Demand	8500	Rest-of-Pool	ME	ME	New	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
38396	NEMA 1 - New T4	Demand	8506	Southeast	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38398	NEMA 2 - New T4	Demand	8506	Southeast	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38421	Jericho Power	Generator	8500	Rest-of-Pool	NH	NH	New	2.5	2.5	2.5	2.5	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
38437	Ipswich Wind II	Generator	8506	Southeast	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38438	Deerfield Wind Project	Generator	8500	Rest-of-Pool	MA	WCMA	New	8.1	8.1	8.1	8.1	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
38440	Cottage St PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.635	1.635	1.635	1.635	0	0	0	0	0	0	0	0
38441	UI RCP BGPT FC	Generator	8500	Rest-of-Pool	CT	CT	New	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
38442	UI RCP NH FC	Generator	8500	Rest-of-Pool	CT	CT	New	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
38444	SITHE__MASSENA CP 2019-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	0
38445	Bayside	Import	8500	Rest-of-Pool			New	40	40	40	40	0	0	0	0	0	0	0	0
38447	Boston_PeakDR	Demand	8506	Southeast	MA	NEMA	New	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
38448	Rensselaer Cogen	Import	8500	Rest-of-Pool			New	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
38449	Roseton 1 19-20	Import	8500	Rest-of-Pool			New	532.45	532.45	532.45	532.45	532.45	532.45	532.45	532.45	532.45	532.45	532.45	
38451	Roseton 2 19-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
38452	HQ_HG_Summer_19-20	Import	8500	Rest-of-Pool			New	52	52	52	52	0	0	0	0	0	0	0	
38454	HQ_NB_Summer_19-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
38456	HQ_NY_Summer_19-20	Import	8500	Rest-of-Pool			New	300	300	300	300	0	0	0	0	0	0	0	
38458	HQ_PII_Summer_19-20	Import	8500	Rest-of-Pool			New	19	19	19	19	0	0	0	0	0	0	0	
38459	HQ_PII_Yearly_19-20	Import	8500	Rest-of-Pool			New	147	147	147	147	147	147	147	147	147	147	147	
38462	Seneca Grandfathered	Import	8500	Rest-of-Pool			New	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	
38463	Seneca Non-Grandfathered	Import	8500	Rest-of-Pool			New	5	5	5	5	5	5	5	5	5	5	5	
38466	BROOME_2_LFGE CP 2019-20	Import	8500	Rest-of-Pool			New	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
38468	Norfolk-Walpole Co-Gen	Demand	8506	Southeast	New England	MA	SEMA	New	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.296
38475	Hoosac Wind Project	Generator	8500	Rest-of-Pool	MA	WCMA	New	3.942	3.942	3.942	3.942	3.942	10.412	10.412	10.412	10.412	10.412	10.412	
38480	Hubbardston SE	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.295	1.295	1.295	1.295	0	0	0	0	0	0	0	
38481	OSP Phase III	Generator	8506	Southeast	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
38483	Ngrid_SEMA_CHP	Demand	8506	Southeast	MA	SEMA	New	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	
38487	CT_RTDR	Demand	8500	Rest-of-Pool	CT	CT	New	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	

ID	Name	Type	Capacity	Capacity	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
			Zone ID	Zone Name															
38494	24 Boutilier Rd Leicester PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.248	0.248	0.248	0.248	0	0	0	0	0	0	0	
38495	Deepwater Wind Block Island	Generator	8506	Southeast New England	RI	RI	New	6.83	6.83	6.83	6.83	14.1	14.1	14.1	14.1	14.1	14.1	14.1	
38498	Eastern CT RTDR2	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
38499	Boston RTDR A	Demand	8506	Southeast	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38500	Mass Mid-State Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	7.11	7.11	7.11	7.11	0	0	0	0	0	0	0	
38501	Concord Steam	Generator	8500	Rest-of-Pool	NH	NH	New	0	0	0	0	0	0	0	0	0	0	0	
38504	Burrillville Energy Center 3	Generator	8506	Southeast New England	RI	RI	New	485	485	485	485	485	485	485	485	485	485	485	
38510	City of Gardner - Mill St. Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.392	0.392	0.392	0.392	0	0	0	0	0	0	0	
38511	Fore River Peak	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38512	SEMA 1 - New	Demand	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38513	RI 1 - New	Demand	8506	Southeast	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
38514	CT 1 - New	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
38516	Erie Boulevard Hydro Import 2019-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
38517	CT 1A - New	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
38518	CT 1B - New	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
38519	Carr Street Generating Station Import 2019-20	Import	8500	Rest-of-Pool			New	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
38520	LIEVRE RIVER Import 2019-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
38524	ME 1 - New	Demand	8500	Rest-of-Pool	ME	ME	New	0	0	0	0	0	0	0	0	0	0	0	
38527	Grafton WD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.715	0.715	0.715	0.715	0	0	0	0	0	0	0	
38528	29 Oxford Rd Charlton PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.275	0.275	0.275	0.275	0	0	0	0	0	0	0	
38530	Mattapoisett 2	Generator	8506	Southeast	MA	SEMA	New	0.316	0.316	0.316	0.316	0	0	0	0	0	0	0	
38531	Mattapoisett 1	Generator	8506	Southeast	MA	SEMA	New	0.316	0.316	0.316	0.316	0	0	0	0	0	0	0	
38532	Leominster South St.	Generator	8506	Southeast	MA	NEMA	New	1.409	1.409	1.409	1.409	0	0	0	0	0	0	0	
38533	Berlin 1	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	
38534	Millbury Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.638	1.638	1.638	1.638	0	0	0	0	0	0	0	
38536	RFF 19-20	Import	8500	Rest-of-Pool			New	31	31	31	31	31	31	31	31	31	31	31	
38537	RAH 19-20	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
38538	Groton Road Shirley PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.415	0.415	0.415	0.415	0	0	0	0	0	0	0	
38539	40 Auburn Rd Millbury PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.248	0.248	0.248	0.248	0	0	0	0	0	0	0	
38543	Carpenter Hill Rd Chartton PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.368	0.368	0.368	0.368	0	0	0	0	0	0	0	
38544	17 Kelly Rd Sturbridge PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.372	0.372	0.372	0.372	0	0	0	0	0	0	0	
38545	90 River Rd Sturbridge PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.372	0.372	0.372	0.372	0	0	0	0	0	0	0	
38548	Fall River- Commerce	Generator	8506	Southeast	MA	SEMA	New	0.535	0.535	0.535	0.535	0	0	0	0	0	0	0	
38551	Fasll River - Innovation	Generator	8506	Southeast	MA	SEMA	New	1.748	1.748	1.748	1.748	0	0	0	0	0	0	0	
38552	Control Area Backed 2019-20	Import	8500	Rest-of-Pool			New	110	110	110	110	110	110	110	110	110	110	110	
38553	Antrim Wind Resource	Generator	8500	Rest-of-Pool	NH	NH	New	5	5	5	5	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
38555	Berlin 2	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	
38556	Berlin 3	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	
38558	Fall River- Uxbridge	Generator	8506	Southeast	MA	SEMA	New	1.474	1.474	1.474	1.474	0	0	0	0	0	0	0	
38559	Berlin 4	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	
38560	Grafton	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.925	0.925	0.925	0.925	0	0	0	0	0	0	0	
38561	True North	Generator	8506	Southeast	MA	NEMA	New	2.585	2.585	2.585	2.585	0	0	0	0	0	0	0	
38562	Franklin 1	Generator	8506	Southeast	MA	SEMA	New	1.499	1.499	1.499	1.499	0	0	0	0	0	0	0	
38563	Palmer	Generator	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	
38564	Arnold- Summer St	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38565	Franklin 2	Generator	8506	Southeast	MA	SEMA	New	2.146	2.146	2.146	2.146	0	0	0	0	0	0	0	
38566	Norton 1	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38567	Billerica	Generator	8500	Rest-of-Pool	MA	WCMA	New	2.307	2.307	2.307	2.307	0	0	0	0	0	0	0	
38568	Norton 2	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38569	WesternMASS_RTDR	Demand	8500	Rest-of-Pool	MA	WCMA	New	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	
38571	Norton 3	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	
38572	Norton 4	Generator	8506	Southeast	MA	SEMA	New	0	0	0	0	0	0	0	0	0	0	0	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20
38573	Rutland	Generator	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	0
38574	Route 57	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.739	0.739	0.739	0.739	0	0	0	0	0	0	0	0
38575	Agawam Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.702	0.702	0.702	0.702	0	0	0	0	0	0	0	0
38576	Whately	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.617	0.617	0.617	0.617	0	0	0	0	0	0	0	0
Holiday Hill Community Wind																			
38577		Generator	8500	Rest-of-Pool	MA	WCMA	New	0.784	0.784	0.784	0.784	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
38579	Rehoboth	Generator	8506	Southeast	MA	SEMA	New	1.093	1.093	1.093	1.093	0	0	0	0	0	0	0	0
38580	Amesbury	Generator	8506	Southeast	MA	NEMA	New	2.312	2.312	2.312	2.312	0	0	0	0	0	0	0	0
38581	Tyngsborough	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.283	1.283	1.283	1.283	0	0	0	0	0	0	0	0
38582	Norton MA	Generator	8506	Southeast	MA	SEMA	New	0.675	0.675	0.675	0.675	0	0	0	0	0	0	0	0
38583	Agawam II	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.804	0.804	0.804	0.804	0	0	0	0	0	0	0	0
38584	Bridgewater	Generator	8506	New England	MA	SEMA	New	0.462	0.462	0.462	0.462	0	0	0	0	0	0	0	0

Attachment B

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

ISO New England Inc.

) **Docket No. ER16-__-000**

TESTIMONY OF STEPHEN J. ROURKE

- 1 **Q: PLEASE STATE YOUR NAME, TITLE AND BUSINESS ADDRESS.**
- 2 A: My name is Stephen J. Rourke. I am Vice President of System Planning with ISO
- 3 New England Inc. (the “ISO”). My business address is One Sullivan Road,
- 4 Holyoke, Massachusetts 01040.
- 5
- 6 **Q: PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND**
- 7 **WORK EXPERIENCE.**
- 8 A: I have a B.S. in Electrical Engineering from Worcester Polytechnic Institute and a
- 9 M.B.A. from Western New England University. In my current position as Vice
- 10 President of System Planning, I am responsible for planning for a reliable New
- 11 England bulk power system according to prescribed reliability standards and
- 12 guidelines of the Northeast Power Coordinating Council (“NPCC”) and the North
- 13 American Electric Reliability Corporation (“NERC”); overseeing development of
- 14 the annual Regional System Plan; analysis and approval of new transmission and
- 15 generation interconnection projects, including the approval of qualification of
- 16 generating capacity resources, demand resources, and import capacity resources

1 to participate in the Forward Capacity Auction¹ (“FCA”); implementing the
2 Federal Energy Regulatory Commission (“Commission” or “FERC”) approved
3 generator interconnection process; developing the ISO’s findings for
4 Transmission Cost Allocation; and supporting the capacity market in New
5 England.

6

7 Previously, I served as the ISO’s Director, Reliability and Operations Services. I
8 was also a former manager of the Rhode Island—Eastern Massachusetts—
9 Vermont Energy Control (“REMVEC”) center in Westborough, Massachusetts
10 and former manager of marketing operations for Northeast Utilities/Select Energy
11 Inc. in Berlin, Connecticut. I have over 30 years of experience in the operations
12 and planning of the New England bulk power system.

13

14 **Q: WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

15 A: The purpose of my testimony is to certify that resources participating in the tenth
16 FCA, which was held on February 8, 2016, were properly qualified in accordance
17 with Section III.13.1 of the Tariff. Section III.13.8.2 (b) of the Tariff requires that
18 documentation regarding the competitiveness of the FCA be filed with the
19 Commission. Section III.13.8.2 (b) states that such documentation may include a
20 certification from the ISO that all entities offering and bidding in the FCA were
21 properly qualified in accordance with Section III.13.1 of the Tariff. My testimony

¹ Capitalized terms used but not otherwise defined in this testimony have the meanings ascribed thereto in the ISO’s Transmission, Markets and Services Tariff (the “Tariff”). Section III of the Tariff is Market Rule 1.

1 provides such certification.

2

3 **Q: WERE ALL RESOURCES OFFERING AND BIDDING IN THE TENTH
4 FCA HELD ON FEBRUARY 8, 2016 PROPERLY QUALIFIED IN
5 ACCORDANCE WITH TARIFF SECTION III.13.1?**

6 A: Yes. Section III.13.1 of the Tariff sets forth the process for qualification in the
7 FCA. In my role as Vice President of System Planning, I was responsible for
8 overseeing the qualification of all resources in the tenth FCA held on February 8,
9 2016. I certify that all resources offering and bidding in the tenth FCA were
10 properly qualified in accordance with Section III.13.1 of the Tariff. In a
11 November 10, 2015 informational filing with the Commission, the ISO provided
12 resources qualified to participate in the tenth FCA.² The Commission approved
13 the Informational Filing on January 21, 2016.³

14

15 **Q: WHAT WAS YOUR ROLE IN THE RELIABILITY REVIEW OF THE
16 VARIOUS DE-LIST BIDS?**

17 A: As the Vice President of System Planning, I oversaw the reliability review of all
18 submitted de-list bids.

19

20 **Q: PLEASE DESCRIBE THE ISO'S REVIEW OF DE-LIST BIDS.**

² *ISO New England Inc.*, Informational Filing for Qualification in the Forward Capacity Market, Docket No. ER16-308-000 (filed November 10, 2015) (“Informational Filing”).

³ *Order Accepting Informational Filing*, 154 FERC ¶ 61,041 (2016) (“Informational Filing Order”).

1 A: Under the Tariff, all existing resources participate in the FCA, unless the resource
2 submits a de-list bid.⁴ There are two types of review performed by the ISO on the
3 de-list bids.

4

5 **Q: WHAT IS THE FIRST TYPE OF REVIEW?**

6 A: As described in the Informational Filing, the ISO's Internal Market Monitor
7 ("IMM") reviews Permanent and Static De-List Bids to determine whether the
8 bids are consistent with the resource's net risk-adjusted going forward and
9 opportunity costs. This review is not performed for Dynamic De-List Bids, which
10 are submitted during the auction itself if the price drops below a prescribed
11 threshold. For the tenth FCA, this threshold was \$5.50/kW-month.

12

13 **Q: WHAT IS THE OTHER TYPE OF REVIEW THAT THE ISO PERFORMS
14 WITH REGARD TO DE-LIST BIDS?**

15 A: Prior to each FCA, pursuant to Section III.13.2.5.2.5 of the Tariff, the ISO
16 reviews each Permanent De-List Bid, Static De-List Bid, and Export Bid to
17 determine if the capacity associated with the bid is needed for reliability during
18 the Capacity Commitment Period associated with the FCA. The Tariff provides
19 that capacity will be needed for reliability if the absence of that capacity would
20 result in violation of any NERC, NPCC, or ISO criteria.⁵ If the capacity
21 associated with the de-list bid is determined not to be needed for reliability, and

⁴ Section III.13.2.3.2(c) of the Tariff.

⁵ Section III.13.2.5.2.5 of the Tariff.

1 the auction price falls below the de-list bid price, the capacity associated with the
2 bid is removed from the auction.

3

4 **Q: FOR THE TENTH FCA, HOW MANY DE-LIST BIDS DID THE ISO
5 REVIEW FOR RELIABILITY?**

6 A: A total of 1,382 MW of pre-auction de-list bids were submitted for the tenth FCA.
7 However, pursuant to Tariff Section III.13.1.2.3.2.1.1.2, prior to the auction, some
8 participants elected to withdraw their Static De-list Bids. In addition, also prior to
9 the auction, 19 MW of the de-list bids were converted into Non-Price Retirement
10 Requests (“NPRRs”). As a result, a total of 512 MW of Static De-list Bids were
11 reviewed for reliability. Because the auction price did not go below \$5.50/kW-
12 month (*i.e.*, the threshold for review of Dynamic De-List Bids prescribed for the
13 tenth FCA), no Dynamic De-List Bids were submitted. Finally, no Permanent
14 De-list Bids or Export Bids were submitted for the tenth FCA.

15

16 **Q: DID THE ISO REVIEW SHOW THE NEED TO RETAIN FOR
17 RELIABILITY ANY RESOURCES THAT SUBMITTED DE-LIST BIDS
18 FOR THE TENTH FCA?**

19 A: No. The ISO did not reject any de-list bid that it studied for the tenth FCA.

20

21 **Q: FOR THE TENTH FCA, HOW MANY MW OF NPRRS DID THE ISO
22 REVIEW FOR RELIABILITY?**

1 A: For the tenth FCA, a total of 17 NPPRs representing 728 MW of retirements were
2 submitted⁶ and reviewed for reliability pursuant to Tariff Section III.13.2.5.2.5
3 and ISO Planning Procedure No. 10.⁷

4

5 **Q: DID THE ISO REVIEW SHOW THE NEED TO RETAIN FOR**
6 **RELIABILITY ANY RESOURCES THAT SUBMITTED NPPRS FOR**
7 **THE TENTH FCA?**

8 A: No.

9

10 Q: **DOES THIS CONCLUDE YOUR TESTIMONY?**

11 A. Yes.

⁶ NPPR submissions are available at: <http://www.iso-ne.com/system-planning/resource-planning/nonprice-retirement>

⁷ “Planning Procedure to Support the Forward Capacity Market”

1 I declare that the foregoing is true and correct.

2

3

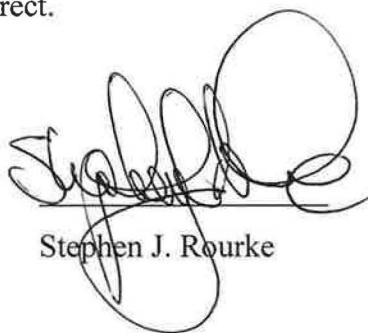
4

5

6

7

8 February 29, 2016



A handwritten signature in black ink, appearing to read "Stephen J. Rourke". The signature is fluid and cursive, with a large, stylized 'S' at the beginning.

Stephen J. Rourke

Attachment C

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

ISO New England Inc.

) Docket No. ER16-__-000

**TESTIMONY OF ROBERT G. ETHIER
ON BEHALF OF ISO NEW ENGLAND INC.**

- 1 **Q:** **PLEASE STATE YOUR NAME, TITLE AND BUSINESS ADDRESS.**
- 2 A: My name is Robert G. Ethier. I am employed by ISO New England Inc. (the
3 “ISO”) as Vice President of Market Operations. My business address is One
4 Sullivan Road, Holyoke, Massachusetts 01040.
- 5
- 6 **Q:** **PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND
7 WORK EXPERIENCE.**
- 8 A: I have a Bachelor of Arts degree in Economics from Yale University, a Masters in
9 Resource Economics from Cornell University, and a Ph.D. in Resource
10 Economics from Cornell University. Since 2000, I have worked at the ISO in
11 various roles. I was responsible for Market Monitoring for nearly four years and
12 Resource Adequacy for more than two years before becoming Vice President of
13 Market Development in July 2008. In July 2014, I took on my current role as
14 Vice President of Market Operations. Before 2000, I was a Senior Associate at
15 Stratus Consulting with responsibility for energy market modeling.
- 16
- 17 **Q:** **WHAT IS THE PURPOSE OF YOUR TESTIMONY?**
- 18 A: My testimony explains the auction prices resulting from the recently conducted

1 tenth Forward Capacity Auction (“FCA”). The tenth FCA was held on February
2 8, 2016.

3

4 **Q: WHAT WAS YOUR ROLE IN THE DEVELOPMENT OF THE LIST OF**
5 **RESOURCES THAT RECEIVED CAPACITY SUPPLY OBLIGATIONS**
6 **IN THE TENTH FCA?**

7 A: Section III.13.8.2 (a) of the ISO’s Transmission, Markets and Services Tariff
8 (“Tariff”), requires the ISO to provide a list of resources that received Capacity
9 Supply Obligations in each Capacity Zone and the size of the Capacity Supply
10 Obligations. The ISO has provided this information in Attachment A to this
11 filing. As the Vice President of Market Operations, Attachment A was developed
12 under my supervision and direction.

13

14 **Q: WHAT CAPACITY ZONES WERE MODELLED IN THE TENTH FCA?**

15 A: The ISO modeled two Capacity Zones in the tenth FCA: The Southeastern New
16 England (“SENE”) Capacity Zone and the Rest-of-Pool Capacity Zone. The
17 SENE Capacity Zone includes the Northeastern Massachusetts/Boston,
18 Southeastern Massachusetts, and Rhode Island Load Zones. The Rest-of-Pool
19 Capacity Zone includes the Connecticut, Maine, Western/Central Massachusetts,
20 New Hampshire, and Vermont Load Zones. As detailed in the ISO’s
21 Informational Filing for the tenth FCA, the Local Sourcing Requirement for the
22 SENE Capacity Zone is 10,028 MW.¹

23

¹ Informational Filing for Qualification in the Forward Capacity Market at page 9, filed on November 10, 2016 in Docket No. ER16-308-000.

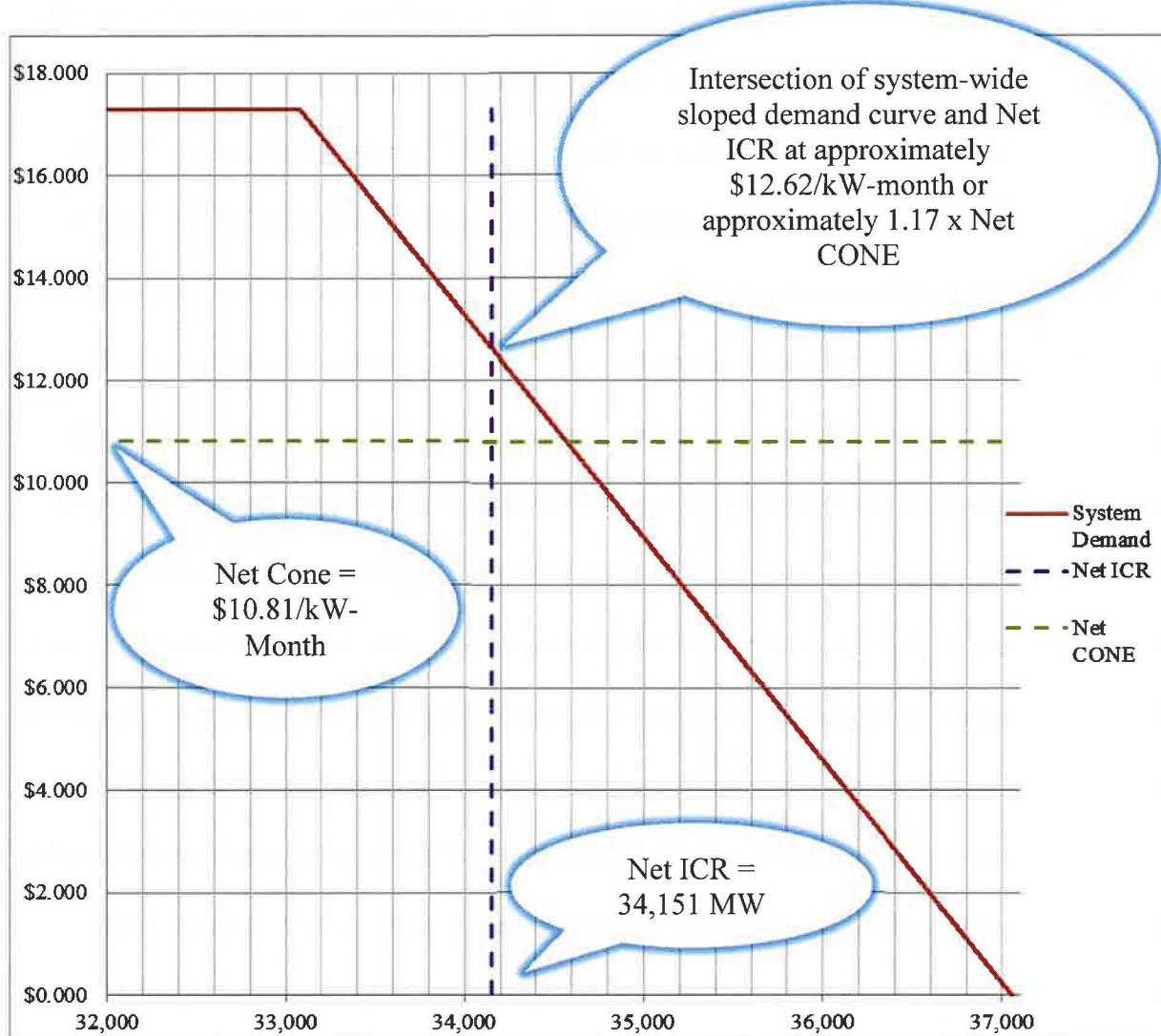
1 **Q: PLEASE DESCRIBE THE SYSTEM-WIDE SLOPED DEMAND CURVE**

2 A: The system-wide sloped demand curve's shape is defined by pertinent financial
3 and reliability parameters. At prices below the Forward Capacity Auction
4 Starting Price of \$17.296/kW-month, the system-wide quantity demanded
5 increases linearly as price decreases. The demand curve is designed to procure
6 over time capacity sufficient to meet the resource adequacy requirement for the
7 New England Control Area, the Net Installed Capacity Requirement ("NICR").
8 The demand curve is defined in part by an administrative Net CONE value of
9 \$10.81/kW-month, which is the estimated capacity market revenue a combined
10 cycle unit would need in its first year of operation. The demand curve is designed
11 to ensure that prospective resource developers are able to recover just enough
12 money in the New England markets to make it financially worth their while to
13 build a power plant in New England when the region is short of its resource
14 target. Therefore, the Net CONE value is used as the basis for the demand curve,
15 setting its height (at 1.6 x Net CONE) and influencing its shape for the tenth FCA.
16 The sloped portion of the demand curve begins at quantities to the left of NICR
17 and reaches a price of zero well to the right of NICR. It intersects the Net CONE
18 value to the right of NICR. Beginning with FCA 9, the system-wide sloped
19 demand curve replaced NICR as the determinant of system-wide capacity demand
20 for purposes of clearing the Forward Capacity Auction. As such, it was again
21 applied in the tenth FCA to determine the intersection of system-wide aggregate
22 supply and system-wide quantity demanded. For the tenth FCA, sloped demand
23 curves were not applied at the zonal level.

1 Q: CAN YOU PROVIDE A GRAPH OF THE SYSTEM-WIDE SLOPED
2 DEMAND CURVE FOR FCA 10?

3 A: Yes. Below is a graph of the system-wide sloped demand curve, Net CONE, and
4 NICR beginning at 32,000 MW:

5



6

7

8 Q: WHAT CAUSED THE DESCENDING CLOCK AUCTION TO CLOSE?

9 A: The auction bound system-wide when a new capacity offer was withdrawn,
10 resulting in system-wide supply falling short of system-wide demand in the fourth

1 round of the auction. One additional round was conducted for the New
2 Brunswick external interface because at the \$5.500/kW-month end-of-round price
3 of the fourth round, supply over the New Brunswick external interface continued
4 to exceed the interface's Capacity Transfer Limit.

5

6 **Q: WHAT WERE THE PRICES FOR THE CAPACITY ZONES?**

7 A: The auction commenced with a starting price of \$17.296/kW-month and
8 concluded for the SENE and Rest-of-Pool Capacity Zones after four rounds.
9 Resources in those Capacity Zones will be paid at the Capacity Clearing Price set
10 pursuant to the system-wide sloped demand curve, which was \$7.030/kW-month.²

11

12 **Q: WHY WAS THE CAPACITY CLEARING PRICE \$7.030/KW-MONTH IN
13 THE REST-OF-POOL AND SENE CAPACITY ZONES?**

14 A: In the tenth FCA, a non-rationable offer was withdrawn at \$7.029/kW-month,
15 causing system-wide supply to fall short of system-wide demand. This marginal
16 offer cleared the auction, thereby setting the Capacity Clearing Price in the Rest-
17 of-Pool and SENE Capacity Zones at \$7.030/kW-month.

18

19 **Q: BECAUSE IT WAS NON-RATIONABLE, DID THE MARGINAL OFFER
20 PREVENT CLEARING PRECISELY THE QUANTITY DEMANDED AT
21 THE CAPACITY CLEARING PRICE?**

² Existing resources with multi-year obligations from previous auctions will be paid based on the Capacity Clearing Price in the auction in which they originally cleared. Self-supplied resources will not be paid through the FCM.

1 A: Yes. The marginal offer was non-rationable, and larger than needed to meet
2 system-wide demand at the Capacity Clearing Price of \$7.030/kW-month.

3

4 **Q: WHY WAS MORE SUPPLY CLEARED THAN DEMANDED AT THE
5 CAPACITY CLEARING PRICE?**

6 A: In the specific area where supply and demand intersect, the presence of non-
7 rationalable offers may present a number of potential solutions regarding which
8 resources should clear and at what prices. In order to determine which resources
9 should clear, at what quantities and at what price, the ISO utilizes the FCM
10 capacity clearing engine. The objective of the capacity clearing engine is to
11 maximize social surplus. Social surplus (sometimes called social welfare) is in
12 this case the sum of consumer surplus (the difference between the amount that
13 consumers would be willing to pay as defined by the demand curve and the
14 amount they actually pay) and supplier surplus (the difference between the
15 amount that suppliers are actually paid and the amount that they would have been
16 willing to accept) minus deadweight loss. With exclusively rationable
17 (sometimes called divisible) offers and bids, the marginal offer can be partially
18 cleared in order for supply to precisely meet demand, preventing any deadweight
19 loss. Therefore, where all offers are rationable, social surplus is maximized when
20 all supply to the left of the intersection with demand is cleared. However, non-
21 rationable offers can prevent a clearing solution at the precise intersection of
22 supply and demand, creating a tradeoff between the deadweight loss associated

1 with clearing less supply or more supply than demanded at the marginal offer
2 price.

3 Under Section III.13.2.7.4 of the Tariff, where non-rationable offers prohibit the
4 descending clock auction from clearing the precise amount of capacity demanded,
5 the capacity clearing engine analyzes the aggregate supply curve to determine
6 cleared capacity offers and Capacity Clearing Prices that maximize social surplus
7 for the associated Capacity Commitment Period. With the sloped demand curve,
8 the amount of capacity demanded is dependent on price. Therefore, the optimal
9 set of cleared offers and bids that will maximize social surplus is determined in
10 accordance with the demand curve's price and quantity coordinates. The capacity
11 clearing engine seeks to analyze every possible combination of offers in the
12 region of the supply curve that intersects with the demand curve in order to
13 maximize social surplus.

14

15 **Q: PLEASE EXPLAIN THE MECHANICS OF THE CAPACITY CLEARING**
16 **ENGINE IN THE TENTH FCA**

17 A: As I mentioned previously, the auction was closed in the Rest-of-Pool and the
18 SENE Capacity Zones by the withdrawal of an offer from new capacity. The
19 offer was withdrawn at \$7.029/kW-month and was non-rationable. I will refer to
20 this offer hereafter as "Offer Z" for ease of reference. At \$7.029/kW-month,
21 system-wide total offers were deficient of system-wide demand. Offer Z was
22 selected, along with other lower-priced offers, because although including Offer Z
23 resulted in excess capacity, its contribution to consumer surplus exceeded the
24 deadweight loss resulting from that excess capacity. Offer Z was the highest-

1 priced cleared offer, therefore it set the Capacity Clearing Price in both the Rest-
2 of-Pool and SENE Capacity Zones at \$7.030/kW-month. In this instance, the
3 combination of offers selected by the capacity clearing engine excluded a set of
4 smaller offers at prices below the Capacity Clearing Price. These excluded offers
5 were not cleared because the solution's social surplus would not have been
6 maximized had any combination of them been cleared. While these offers were
7 less expensive and intuitively would have cleared, their contribution to social
8 surplus was less than the reduction in social surplus caused by the incremental
9 excess that would have resulted had they been purchased. After excluding these
10 inframarginal offers, cleared supply exceeded demand at the Capacity Clearing
11 Price of \$7.030/kW-month by 129.993 MW. Given all submitted offers, the
12 system-wide sloped demand curve, and binding Capacity Transfer Limits on
13 external interfaces, the set of selected offers provided the greatest social surplus
14 of any combination of offers analyzed by the capacity clearing engine.

15

16 **Q: WHY WERE THE PRICES THE SAME FOR THE SENE AND REST-OF-
17 POOL CAPACITY ZONES?**

18 A: Although the SENE Capacity Zone was modeled as an import-constrained zone,
19 there were sufficient resources to meet the zone's Local Sourcing Requirement
20 ("LSR"). The LSR is the minimum amount of capacity that must be electrically
21 located within the zone. For the tenth FCA, the LSR for the SENE Capacity Zone
22 was 10,028 MW. The Capacity Clearing Price in the SENE Capacity Zone is the

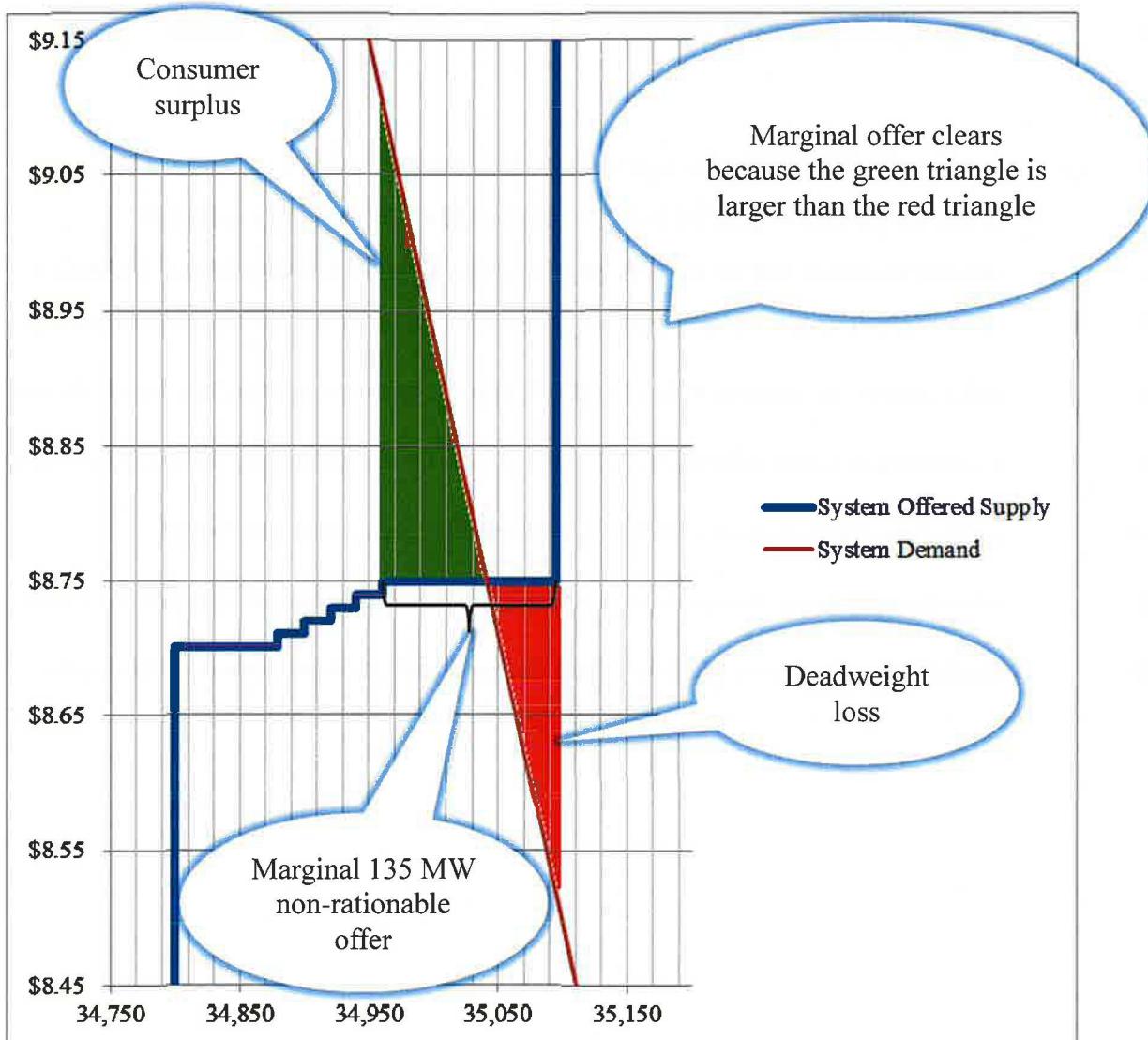
1 same as that in the Rest-of-Pool Capacity Zone because the LSR in the SENE
2 Capacity Zone was not binding at any price above \$7.030/kW-month.

3

4 **Q: CAN YOU PROVIDE A GRAPH DEPICTING THE INTERSECTION OF
5 THE SYSTEM-WIDE SLOPED DEMAND CURVE AND A NON-
6 RATIONABLE OFFER IN A SAMPLE AGGREGATE SUPPLY CURVE?**

7 A: Yes. This simple example with six offers illustrates a case when a non-rationable
8 offer causes the auction to bind and will also be selected to clear because it serves
9 to maximize social surplus, which can be seen by comparing the larger area of the
10 green triangle (consumer surplus) to the smaller area of the red triangle
11 (deadweight loss). In this example, there are no other offers at a higher price that
12 could be used to more precisely meet demand and provide greater social surplus.

1



2

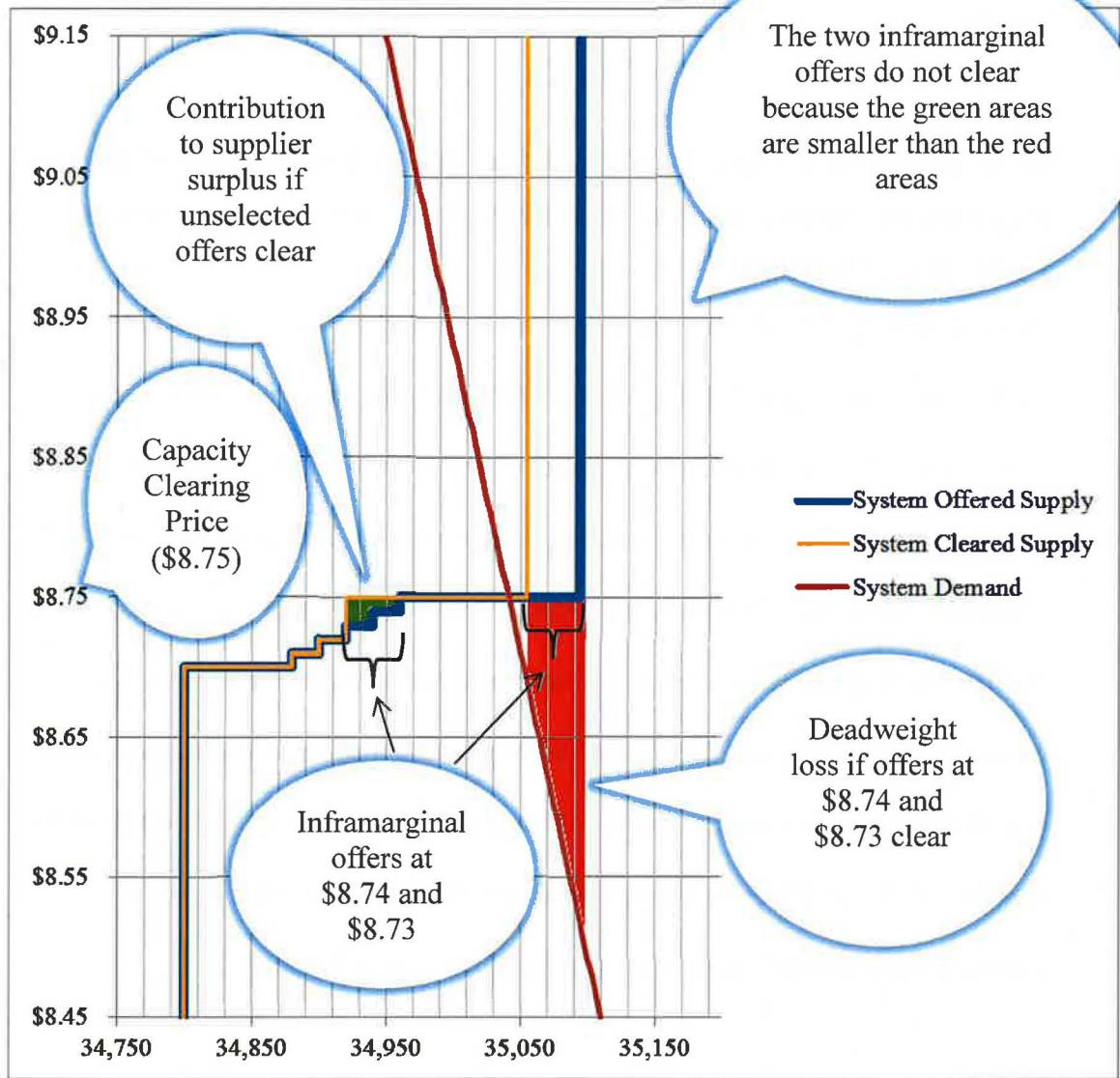
3

4 **Q: CONTINUING WITH THE SAME EXAMPLE, CAN YOU PROVIDE A**
5 **GRAPH DEPICTING THE INTERSECTION OF THE SYSTEM-WIDE**
6 **SLOPED DEMAND CURVE AND THE SAMPLE AGGREGATE SUPPLY**
7 **CURVE AFTER APPLICATION OF THE CAPACITY CLEARING**
8 **ENGINE?**

9 **A:** Yes. The marginal offer at \$8.75 clears, setting the Capacity Clearing Price. Two
10 inframarginal offers do not clear, which include a 20 MW offer at \$8.74/kW-
11 month and another 20 MW offer at \$8.73/kW-month. Clearing these

1 inframarginal offers would have decreased social surplus, which can be seen by
2 comparing the smaller green areas (supplier surplus that the offers would have
3 created) to the larger red areas (deadweight loss that the offers would have
4 imposed).

5



6

7

8 Q: **WHAT WERE THE PRICES ON THE EXTERNAL INTERFACES?**

1 A: Imports over the Phase I/II HQ Excess external interface, totaling 166 MW, and
2 imports over the Hydro-Quebec Highgate external interface, totaling 58 MW, will
3 receive \$7.030/kW-month. Imports over the New York AC Ties external
4 interface, totaling 1,044.8 MW, will receive \$6.260/kW-month. Imports over the
5 New Brunswick external interface, totaling 181 MW, will receive \$4.00/kW-
6 month.

7

8 **Q: WHY WAS THE CAPACITY CLEARING PRICE FOR SOME OF THE**
9 **EXTERNAL INTERFACES LOWER THAN THE OTHER CAPACITY**
10 **CLEARING PRICES?**

11 A: The associated Capacity Zone for all external interfaces modeled in FCA 10 was
12 the Rest-of-Pool Capacity Zone. At the \$7.030kW-month Capacity Clearing
13 Price for the Rest-of-Pool Capacity Zone, the New York AC Ties external
14 interface and the New Brunswick external interface each had a greater amount of
15 capacity offered than the interface's capacity transfer limit allowed. Accordingly,
16 pursuant to Section III.13.2.3.3 (d) of the Tariff, these external interfaces were
17 treated in the auction as if they comprised separately modeled export-constrained
18 capacity zones. Therefore, separate Capacity Clearing Prices were determined for
19 the New York AC Ties external interface and the New Brunswick external
20 interface, with the latter having required a fifth round of bidding.

21

22 **Q: DOES THIS CONCLUDE YOUR TESTIMONY?**

23 A: Yes.

1 I declare that the foregoing is true and correct.

2

3

4

5

6

7 February 26, 2016



Robert G. Ethier

Attachment D

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

1 Before the California ISO, I worked for the State of California as a Staff
2 Economist in the Department of Industrial Relations and the Department of
3 Transportation.

4

5 **Q: WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

6 A: The purpose of my testimony is to certify that all offers and bids in the tenth
7 Forward Capacity Auction (“FCA”)¹ that were required by the applicable
8 provisions of the Tariff to be reviewed by the IMM were in fact properly
9 reviewed and whether the outcome of the tenth FCA was the result of a
10 competitive auction. Section III.13.8.2 (b) of the Tariff requires that, after each
11 FCA, documentation regarding the competitiveness of the FCA be filed with the
12 Commission.

13

14 **Q: WERE ALL DE-LIST BIDS FROM EXISTING RESOURCES AND
15 OFFERS FROM NEW RESOURCES PROPERLY REVIEWED BY THE
16 IMM AND QUALIFIED IN ACCORDANCE WITH SECTION III.13.1 OF
17 THE TARIFF PRIOR TO THE TENTH FCA CONDUCTED ON
18 FEBRUARY 8, 2016?**

19 A: Yes. Section III.13.1 of the Tariff sets forth the process for qualifying resources
20 to participate in the FCA. Section III.13.1.2.3.2 of the Tariff requires that the
21 IMM review each Static De-List Bid, Export De-List Bid and Permanent De-List
22 Bid above \$5.50/kW-month to determine whether the bid is consistent with the
23 resource’s net risk-adjusted going forward costs and opportunity costs.

¹ Capitalized terms used but not defined in this testimony have the meanings ascribed to them in the ISO New England Transmission, Markets and Services Tariff (the “Tariff”).

1 Additionally, pursuant to Section III.A.21.2 of the Tariff, the IMM reviews
2 requests submitted by each New Capacity Resource to offer in the FCA below the
3 Offer Review Trigger Price for the applicable resource type. If the IMM
4 determines that the requested offer price is inconsistent with the IMM's capacity
5 price estimate, then the resource's New Resource Offer Floor Price is set to a
6 level that is consistent with the capacity price estimate, as determined by the
7 IMM.

8

9 As Vice President of Market Monitoring and IMM, I am responsible for
10 overseeing the review of all of these bids and offers, and I certify that such review
11 was performed in accordance with the provisions of Section III.13.1 of the Tariff.
12 The IMM's determinations with respect to these bids and offers were filed with
13 the Commission in Docket No. ER16-308-000, and were accepted by the
14 Commission on January 21, 2016.²

15

16 **Q: WAS THE OUTCOME OF THE TENTH FCA CONDUCTED FOR THE
17 2019-2020 CAPACITY COMMITMENT PERIOD THE RESULT OF A
18 COMPETITIVE AUCTION?**

19 A: Yes. The outcome of the tenth FCA was the result of a competitive auction.
20 System-wide there were insufficient existing resources to meet the Installed
21 Capacity Requirement. Therefore, all participants with existing resources were
22 determined by the IMM to be pivotal suppliers. As a result, mitigation was
23 imposed on submitted de-list bids, where necessary. In these cases, the

² *Order Accepting Informational Filing*, 154 FERC ¶ 61,041 (2016) (“Informational Filing Order”).

1 competitive bid price determined through the IMM's review of the cost basis was
2 used in the auction in place of the price submitted by the market participant. The
3 IMM mitigation determinations were accepted by the Commission in the
4 Informational Filing Order. Under the Tariff, new resources, with the exception
5 of New Import Capacity Resources, can leave the auction at any price at or above
6 their New Resource Offer Floor Price. However, sufficient new resources
7 remained in the auction such that, with the IMM mitigation of existing resources
8 and New Import Capacity Resources associated with pivotal suppliers, the
9 outcome of the auction was competitive. I base this conclusion on the rigorous
10 qualification requirements including application of mitigation rules and the
11 volume of new resources that offered into the auction at prices materially below
12 the auction starting price.

13
14 **Q: WHAT ARE THE "RIGOROUS QUALIFICATION REQUIREMENTS" YOU**
15 **REFERENCE IN THE PREVIOUS ANSWER?**

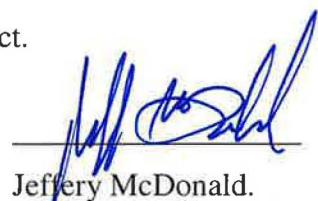
16 A: During qualification, the IMM review of de-list bids and new capacity offers that
17 request to submit an offer below the relevant Offer Review Trigger Price ensures
18 that bids and offers submitted during qualification are consistent with each
19 resource's costs.

20
21 **Q: DOES THIS CONCLUDE YOUR TESTIMONY?**

22 A: Yes.

23
24
25
26
27
28

1
2 I declare that the foregoing is true and correct.
3

4
5 
Jeffery McDonald.

6
7 February 29, 2016
8

Attachment E

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

ISO New England Inc.) Docket No. ER16-__-000
)

TESTIMONY OF LAWRENCE M. AUSUBEL

Q. PLEASE STATE YOUR NAME, TITLE AND BUSINESS ADDRESS.

13 A. My name is Lawrence M. Ausubel. I am the Chairman and Founder of Power
14 Auctions LLC, the company that has helped to design, implement, and administer
15 the Forward Capacity Auction (“FCA”) for ISO New England Inc. (the “ISO”).
16 I am also the President of Market Design Inc. and a Professor of Economics at the
17 University of Maryland. My business address is 3333 K St. NW Suite 425,
18 Washington, DC 20007.

19
20 Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND
21 WORK EXPERIENCE.

22 A. I have an A.B. in Mathematics from Princeton University, an M.S. in
23 Mathematics from Stanford University, an M.L.S. in Legal Studies from Stanford
24 University, and a Ph.D. in Economics from Stanford University.
25 I am the Chairman of Power Auctions LLC, a provider of auction implementation
26 services and software worldwide. I am also the President of Market Design Inc.,
27 an economics consultancy that offers services in the design of auction markets.
28 In recent years, I have played a lead role in the design and implementation of:

1 electricity auctions in France, Germany, Spain, Belgium and the US; gas auctions
2 in Germany, France, Hungary and Denmark; the world's first auction for
3 greenhouse gas emission reductions in the UK; and a prototype airport slot
4 auction in the US. I have advised the US Federal Communications Commission,
5 Industry Canada and the Australian Communications and Media Authority on
6 spectrum auctions. I have also advised BOEM (the US Bureau of Ocean Energy
7 Management) and ICANN (the Internet Corporation for Assigned Names and
8 Numbers) on auction design. I designed the 2005 Trinidad and Tobago GSM
9 auction and served as its auction manager. I hold 22 U.S. patents related to
10 auction technology and I have published numerous articles on auction design,
11 bargaining, industrial organization and financial markets. My curriculum vitae,
12 which includes a list of publications and other experience, is attached.

13

14 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

15 A. The purpose of this testimony is to certify that the recently concluded FCA was
16 conducted in accordance with the relevant filed market rules. Section
17 III.13.8.2(b) of the ISO New England Transmission, Markets and Services Tariff
18 (the "Tariff") requires that after each FCA, documentation regarding the
19 competitiveness of the FCA be filed with the Federal Energy Regulatory
20 Commission ("Commission"). Section III.13.8.2(b) states that such
21 documentation may include certification from the auctioneer that the FCA was
22 conducted in accordance with the provisions of Section III.13 of the Tariff.
23 Section III.13.2 of the Tariff provides the rules relating to the mechanics of the

1 FCA. My testimony certifies that the FCA was conducted in accordance with
2 Section III.13.2.

3

4 **Q. PLEASE DESCRIBE POWER AUCTIONS LLC**

5 A. Power Auctions LLC designs, implements and conducts high-stakes electronic
6 auctions utilizing proprietary software, processes, and other intellectual property.
7 The PowerAuctions software platform designed by Power Auctions LLC has been
8 used to implement over 200 auctions worldwide in the electricity, gas and
9 resource sectors. In the electricity sector, the software platform was used to
10 operate 42 quarterly EDF Generation Capacity Auctions in France. It was also
11 used for the Endesa-Iberdola Virtual Power Plant Auctions in Spain, the
12 Electrabel Virtual Power Plant Auctions in Belgium and the E.ON Virtual Power
13 Plant Auction in Germany. Recently, our software platform has begun to be used
14 to implement the UK's Capacity Market auctions. Further, Power Auctions LLC
15 is part of the team that the Federal Communications Commission has assembled
16 to design and implement incentive auctions for the United States, and is the prime
17 contractor to the Governments of Australia and Canada for implementation of
18 spectrum auctions.

19 Power Auctions LLC worked with the ISO to design and implement (on the
20 PowerAuctions platform) the previous FCAs held on February 4-6, 2008;
21 December 8-10, 2008; October 5-6, 2009; August 2-3, 2010; June 6-7, 2011;
22 April 2-3, 2012; February 4-5, 2013; February 3, 2014; and February 2, 2015.

**1 Q. WHAT WAS POWER AUCTIONS LLC'S ROLE IN THE FORWARD
2 CAPACITY AUCTION HELD ON FEBRUARY 8, 2016?**

3 A. The ISO retained Power Auctions LLC as the independent auction manager
4 (“Auction Manager”) for the tenth FCA. As the Auction Manager, Power
5 Auctions LLC worked with the ISO to design and implement the FCA in
6 conformance with the Tariff. By design, the Auction Manager conducted the
7 auction independently, with limited involvement by the ISO. The auction was
8 implemented using the PowerAuctions software platform.

9

10 Q. WAS THE FCA, HELD ON FEBRUARY 8, 2016 CONDUCTED IN
11 ACCORDANCE WITH SECTION III.13.2 OF THE TARIFF?

12 A. Yes. In accordance with Section III.13.8.2(b) of the Tariff, I certify that, to the
13 best of my knowledge, the FCA of February 8, 2016 was conducted in
14 conformance with the provisions of Section III.13.2 of the Tariff.

15
16 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

17 A. Yes.

18

19 I declare that the foregoing is true and correct.

20
21 Executed on 2/17/2016

Laurence Ausubel

Lawrence M. Ausubel

Curriculum Vitae

LAWRENCE M. AUSUBEL

Address

Department of Economics
University of Maryland
Tydings Hall, Room 3105
College Park, MD 20742
301.405.3495 TEL 202.318.0863 FAX
ausubel@econ.umd.edu
www.ausubel.com

2744 32nd Street, NW
Washington, DC 20008

Power Auctions LLC
3333 K St. NW, Suite 425
Washington, DC 20007-3591
ausubel@powerauctions.com
www.powerauctions.com

Personal

Year of Birth: 1959
Place of Birth: New York City

Education

Ph.D. (1984) Stanford University, Economics
M.L.S. (1984) Stanford Law School, Legal Studies
M.S. (1982) Stanford University, Mathematics
A.B. (1980) Princeton University, Mathematics

Honors: Fellow of the Econometric Society
Phi Beta Kappa
Sigma Xi
Magna cum laude in mathematics
Stanford University Economics Department, graduate fellowship, 1982
Stanford Law School, fellowship in law and economics, 1983

Fields of Concentration

Microeconomic Theory and Game Theory
Auctions and Bargaining
Market Design
Credit Cards, Bankruptcy and Banking
Industrial Organization
Law and Economics

Professional Experience

Professor of Economics, University of Maryland (August 1992 – present).

Chairman and Founder, Power Auctions LLC (2003 – present).

A technology provider of auction software, auction design and implementation services. The PowerAuctions™ software platform has been used in more than 200 high-stakes auctions, with transaction value in the tens of billions of dollars.

President, Market Design Inc. (2003 – present).

A consultancy of leading economists and game theorists (Peter Cramton, R. Preston McAfee, Paul Milgrom, Robert Wilson, et al) that works with governments and companies worldwide to design and implement state-of-the-art auctions and markets.

Assistant Professor of Managerial Economics and Decision Sciences, Kellogg School, Northwestern University (September 1984 – August 1992).

Visiting Assistant Professor, New York University (January 1990 – May 1990).

Recent Consulting Experience

Provided expert bidding advise to bidders in more than a dozen large spectrum auctions, including Bharti Airtel in India's 900/1800 MHz auction, Orange in Slovakia's Multi-Band spectrum auction, Three (Hutchison) in the UK 4G auction, Eircom in Ireland's 800/900/1800 MHz auction, Aircel in India's 3G/BWA auctions, Spain's Telefónica in the UK, German, Italian and Austrian UMTS/3G spectrum auctions, Ericsson in the US PCS spectrum auctions, MTN in the Nigerian spectrum auctions, MCI in the US Direct Broadcast Satellite auction, US Airwaves in the US C-Block Auction, Mobile Media in the US Narrowband Auction, and other confidential clients.

Advisor to the US government (Federal Communications Commission) on the design and implementation of incentive auctions for spectrum, 2011 – present.

Advisor to the Canadian government (Industry Canada) on the design and implementation of the 700 MHz and 2.5 GHz spectrum auctions, 2010 – present.

Advisor to the Australian government (ACMA) on the design and implementation of the Australian Digital Dividend auction and future spectrum auctions, 2011 – present.

Provided auction design advice to the IDA Singapore on their Auction of Public Cellular Mobile Telecommunication Services Spectrum Rights, 2007 – 2008.

Design and implementation of the Trinidad and Tobago GSM auction, 2005.

Design and implementation of the UK Capacity Market auction (electricity, 2014 – present).

Design and implementation of auctions for offshore wind energy tracts for the Bureau of Ocean Energy Management (BOEM), US Department of Interior (2010 – present).

Design and implementation of the Forward Capacity Auction for ISO New England (electricity, 2007 – present).

Design and implementation of the quarterly Electricité de France generation capacity auctions (2001 – 2011) and Long-Term Contract auctions (2008 – 2009).

Design and implementation of the quarterly Spanish Virtual Power Plant (VPP) auctions (electricity, 2007 – 2009).

Design and implementation of the E.ON VPP auction in Germany (2007).

Design and implementation of the quarterly Electrabel Virtual Power Plant (VPP) auctions in Belgium (2003 – 2005).

Design and implementation of auctions for new gTLDs for ICANN (Internet Corporation for Assigned Names and Numbers (2008 – present).

Design and implementation of rough diamond auctions for Okavango Diamond Company, Botswana (2013 – present).

Design and implementation of rough diamond auctions for BHP Billiton/Dominion Diamonds (2007 – 2014).

Design and implementation of the annual E.ON Földgáz Trading gas release programme auction in Hungary (2006 – 2013).

Design and implementation of the annual Danish Oil and Natural Gas (DONG Energy) gas release programme auction (2006 – 2011).

Design and implementation of the annual E.ON Ruhrgas gas release programme auction in Germany (2003 – 2008, 2010).

Design and implementation of the Gaz de France gas storage auction (2006).

Design and implementation of the Gaz de France gas release programme auction (2004).

Design and implementation of the Total gas release programme auction (2004).

Design and implementation of the UK Emissions Trading Scheme auction to procure greenhouse gas emission reductions for the UK Government (2002).

Design and implementation of a demonstration auction of landing and takeoff slots for LaGuardia Airport, for the US Federal Aviation Administration (2005).

Teaching

Econ 456	Law and Economics (Undergraduate; Maryland)
Econ 603	Microeconomic Analysis (Ph.D.; Maryland)
Econ 661	Industrial Organization (Ph.D.; Maryland)
Econ 704	Game Theory, Bargaining and Auctions (Ph.D.; Maryland)
Mngrl Econ D30	Intermediate Microeconomics (M.B.A.; Northwestern)
Mngrl Econ D45	Regulation and Deregulation (M.B.A.; Northwestern)

Publications

“A Practical Guide to the Combinatorial Clock Auction” (with Oleg V. Baranov), *Economic Journal*, forthcoming, 2016.

“Demand Reduction and Inefficiency in Multi-Unit Auctions” (with Peter Cramton, Marek Pycia, Marzena J. Rostek and Marek Weretka), *Review of Economic Studies*, Vol. 81, No. 4, pp. 1366-1400, October 2014.

“Sequential Kidney Exchange” (with Thayer Morrill), *American Economic Journal: Microeconomics*, Vol. 6, No. 3, pp. 265-85, August 2014.

“Market Design and the Evolution of the Combinatorial Clock Auction” (with Oleg V. Baranov), *American Economic Review: Papers & Proceedings*, Vol. 104, No. 5, pp. 456-451, May 2014.

“Common-Value Auctions with Liquidity Needs: An Experimental Test of a Troubled Assets Reverse Auction” (with Peter Cramton, Emel Filiz-Ozbay, Nathaniel Higgins, Erkut Ozbay and Andrew Stocking), Chapter 20 of *Handbook of Market Design* (Nir Vulkan, Alvin E. Roth, and Zvika Neeman, eds.), Oxford University Press, 2013.

“Non-Judicial Debt Collection and the Consumer’s Choice among Repayment, Bankruptcy and Informal Bankruptcy” (with Amanda E. Dawsey and Richard M. Hynes), *American Bankruptcy Law Journal*, Vol. 87, pp. 1-26 [lead article], March 2013.

“Virtual Power Plant Auctions” (with Peter Cramton), *Utilities Policy*, Vol. 18, No. 4, pp. 201-208, December 2010.

“Using Forward Markets to Improve Electricity Market Design” (with Peter Cramton), *Utilities Policy*, Vol. 18, No. 4, pp. 195-200, December 2010.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” *American Economic Review*, Vol. 96, No. 3, pp. 602-629, June 2006.

“An Efficient Ascending-Bid Auction for Multiple Objects,” *American Economic Review*, Vol. 94, No. 5, pp. 1452-1475, December 2004.

- “Dynamic Auctions in Procurement” (with Peter Cramton), Chapter 9 of *Handbook of Procurement* (N. Dimitri, G. Piga, and G. Spagnolo, eds.), pp. 220-245, Cambridge: Cambridge University Press, 2006.
- “The Lovely but Lonely Vickrey Auction” (with Paul Milgrom), Chapter 1 of *Combinatorial Auctions* (P. Cramton, Y. Shoham, and R. Steinberg, eds.), pp. 17-40, Cambridge: MIT Press, 2006.
- “Ascending Proxy Auctions” (with Paul Milgrom), Chapter 3 of *Combinatorial Auctions* (P. Cramton, Y. Shoham, and R. Steinberg, eds.), pp. 79-98, Cambridge: MIT Press, 2006.
- “The Clock-Proxy Auction: A Practical Combinatorial Auction Design” (with Peter Cramton and Paul Milgrom), Chapter 5 of *Combinatorial Auctions* (P. Cramton, Y. Shoham, and R. Steinberg, eds.), pp. 115-138, Cambridge: MIT Press, 2006.
- “Auctioning Many Divisible Goods” (with Peter C. Cramton), *Journal of the European Economics Association*, Vol. 2, Nos. 2-3, pp. 480-493, April-May 2004.
- “Vickrey Auctions with Reserve Pricing” (with Peter C. Cramton), *Economic Theory*, 23, pp. 493-505, April 2004. Reprinted in Charalambos Aliprantis, et al. (eds.), *Assets, Beliefs, and Equilibria in Economic Dynamics*, Berlin: Springer-Verlag, 355-368, 2003.
- “Auction Theory for the New Economy,” Chapter 6 of *New Economy Handbook* (D. Jones, ed.), San Diego: Academic Press, 2003.
- “Ascending Auctions with Package Bidding” (with Paul Milgrom), *Frontiers of Theoretical Economics*, Vol. 1, No. 1, Article 1, August 2002.
<http://www.bepress.com/bejte/frontiers/vol1/iss1/art1>
- “Bargaining with Incomplete Information” (with Peter Cramton and Raymond Deneckere), Chapter 50 of *Handbook of Game Theory* (R. Aumann and S. Hart, eds.), Vol. 3, Amsterdam: Elsevier Science B.V., 2002.
- “Package Bidding: Vickrey vs. Ascending Auctions” (with Paul Milgrom), *Revue Economique*, Vol. 53, No. 3, pp. 391-402, May 2002.
- “Implications of Auction Theory for New Issues Markets,” *Brookings-Wharton Papers on Financial Services*, Vol. 5, pp. 313-343, 2002.
- “Synergies in Wireless Telephony: Evidence from the Broadband PCS Auctions” (with Peter Cramton, R. Preston McAfee, and John McMillan), *Journal of Economics and Management Strategy*, Vol. 6, No. 3, Fall 1997, pp. 497-527.
- “Credit Card Defaults, Credit Card Profits, and Bankruptcy,” *American Bankruptcy Law Journal*, Vol. 71, Spring 1997, pp. 249-270; recipient of the Editor's Prize for the best paper in the American Bankruptcy Law Journal, 1997.
- “Efficient Sequential Bargaining” (with R. Deneckere), *Review of Economic Studies*, Vol. 60, No. 2, April 1993, pp. 435-461.

“A Generalized Theorem of the Maximum” (with R. Deneckere), *Economic Theory*, Vol. 3, No. 1, January 1993, pp. 99-107.

“Durable Goods Monopoly with Incomplete Information” (with R. Deneckere), supercedes “Stationary Sequential Equilibria in Bargaining with Two-Sided Incomplete Information,” *Review of Economic Studies*, Vol. 59, No. 4, October 1992, pp. 795-812.

“Bargaining and the Right to Remain Silent” (with R. Deneckere), *Econometrica*, Vol. 60, No. 3, May 1992, pp. 597-625.

“The Failure of Competition in the Credit Card Market,” *American Economic Review*, Vol. 81, No. 1, March 1991, pp. 50-81; reprinted as Chapter 21 in *Advances in Behavioral Finance* (D. Thaler, ed.), Russell Sage Foundation, 1993.

“Insider Trading in a Rational Expectations Economy,” *American Economic Review*, Vol. 80, No. 5, December 1990, pp. 1022-1041.

“Partially-Revealing Rational Expectations Equilibrium in a Competitive Economy,” *Journal of Economic Theory*, Vol. 50, No. 1, February 1990, pp. 93-126.

“A Direct Mechanism Characterization of Sequential Bargaining with One-Sided Incomplete Information” (with R. Deneckere), *Journal of Economic Theory*, Vol. 48, No. 1, June 1989, pp. 18-46; reprinted as Chapter 15 in *Bargaining with Incomplete Information* (P. Linhart, R. Radner, and M. Satterthwaite, eds.), Academic Press, 1992.

“Reputation in Bargaining and Durable Goods Monopoly” (with R. Deneckere), *Econometrica*, Vol. 57, No. 3, May 1989, pp. 511-531; reprinted as Chapter 13 in *Bargaining with Incomplete Information* (P. Linhart, R. Radner, and M. Satterthwaite, eds.), Academic Press, 1992.

“One is Almost Enough for Monopoly” (with R. Deneckere), *Rand Journal of Economics*, Vol. 18, No. 2, Summer 1987, pp. 255-274.

Patents

“System and Method for an Auction of Multiple Types of Items” (with Peter Cramton and Wynne P. Jones), U.S. Patent Number 8,762,222, issued June 24, 2014.

“System and Method for the Efficient Clearing of Spectrum Encumbrances” (with Peter Cramton and Paul Milgrom), U.S. Patent Number 8,744,924, issued June 3, 2014.

“System and Method for a Dynamic Auction with Package Bidding” (with Paul Milgrom), U.S. Patent Number 8,566,211, issued October 22, 2013.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 8,447,662, issued May 21, 2013.

“System and Method for a Hybrid Clock and Proxy Auction” (with Peter Cramton and Paul Milgrom), U.S. Patent Number 8,335,738, issued December 18, 2012.

“System and Method for a Hybrid Clock and Proxy Auction” (with Peter Cramton and Paul Milgrom), U.S. Patent Number 8,224,743, issued July 17, 2012.

“System and Method for the Efficient Clearing of Spectrum Encumbrances” (with Peter Cramton and Paul Milgrom), U.S. Patent Number 8,145,555, issued March 27, 2012.

“Computer Implemented Methods and Apparatus for Auctions,” U.S. Patent Number 8,065,224, issued November 22, 2011.

“Ascending Bid Auction for Multiple Objects,” U.S. Patent Number 7,966,247, issued June 21, 2011.

“System and Method for an Auction of Multiple Types of Items” (with Peter Cramton and Wynne P. Jones), U.S. Patent Number 7,899,734, issued March 1, 2011.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 7,870,050, issued January 11, 2011.

“Computer Implemented Methods and Apparatus for Auctions,” U.S. Patent Number 7,774,264, issued August 10, 2010.

“System and Method for a Hybrid Clock and Proxy Auction” (with Peter Cramton and Paul Milgrom), U.S. Patent Number 7,729,975, issued June 1, 2010.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 7,467,111, issued December 16, 2008.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 7,343,342, issued March 11, 2008.

“Ascending Bid Auction for Multiple Objects,” U.S. Patent Number 7,337,139, issued February 26, 2008.

“Computer Implemented Methods and Apparatus for Auctions,” U.S. Patent Number 7,249,027, issued July 24, 2007.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 7,165,046, issued January 16, 2007.

“System and Method for an Efficient Dynamic Multi-Unit Auction,” U.S. Patent Number 7,062,461, issued June 13, 2006.

“System and Method for an Efficient Dynamic Auction for Multiple Objects,” U.S. Patent Number 6,026,383, issued February 15, 2000.

“Computer Implemented Methods and Apparatus for Auctions,” U.S. Patent Number 6,021,398, issued February 1, 2000.

“Computer Implemented Methods and Apparatus for Auctions,” U.S. Patent Number 5,905,975, issued May 18, 1999.

Book Reviews and Encyclopedia Entries

“Auction Theory,” *New Palgrave Dictionary of Economics*, Second Edition, Steven N. Durlauf and Lawrence E. Blume, eds., London: Macmillan, 2008.

“Credit Cards,” *McGraw-Hill Encyclopedia of Economics*, McGraw-Hill, 1994.

“Book Review: The Credit Card Industry, by Lewis Mandell,” *Journal of Economic Literature*, Vol. 30, No. 3, September 1992, pp. 1517-18.

“Credit Cards,” *New Palgrave Dictionary of Money and Finance*, Stockton Press, 1992.

Working Papers

“Efficient Procurement Auctions with Increasing Returns” (with Oleg V. Baranov, Christina Aperjis and Thayer Morrill), February 2016.

“The Combinatorial Clock Auction, Revealed Preference and Iterative Pricing” (with Oleg V. Baranov), February 2014.

“Core-Selecting Auctions with Incomplete Information” (with Oleg V. Baranov), working paper, University of Maryland, August 2010.

“Penalty Interest Rates, Universal Default, and the Common Pool Problem of Credit Card Debt” (with Oleg V. Baranov and Amanda E. Dawsey), mimeo, University of Maryland, June 2010.

“A Troubled Asset Reverse Auction” (with Peter Cramton), working paper, University of Maryland, October 2008.

“Time Inconsistency in the Credit Card Market” (with Haiyan Shui), mimeo, University of Maryland, January 2005.

“Informal Bankruptcy” (with Amanda E. Dawsey), mimeo, University of Maryland, April 2004.

“Adverse Selection in the Credit Card Market,” mimeo, University of Maryland, June 1999.

“The Credit Card Market, Revisited,” mimeo, University of Maryland, July 1995.

“Walrasian Tâtonnement for Discrete Goods,” mimeo, University of Maryland, July 2005.

“Bidder Participation and Information in Currency Auctions” (with Rafael Romeu), Working Paper WP/05/157, International Monetary Fund, 2005.

“A Mechanism Generalizing the Vickrey Auction,” mimeo, University of Maryland, September 1999.

“The Ascending Auction Paradox” (with Jesse Schwartz), mimeo, University of Maryland, July 1999.

“The Optimality of Being Efficient” (with Peter Cramton), mimeo, University of Maryland, June 1999.

“Sequential Recontracting Under Incomplete Information” (with Arijit Sen), mimeo, University of Maryland, June 1995.

“Separation and Delay in Bargaining” (with Raymond Deneckere), mimeo, University of Maryland, April 1994.

“A Model of Managerial Discretion and Corporate Takeovers,” mimeo, University of Maryland, March 1993.

“Rigidity and Asymmetric Adjustment of Bank Interest Rates,” mimeo, University of Maryland, August 1992.

“Oligopoly When Market Share Matters,” mimeo, Stanford University, May 1984.

“Partially-Revealing Equilibria,” Stanford University, Department of Economics, August 1984. Dissertation committee: Mordecai Kurz (principal advisor); Peter J. Hammond; Kenneth J. Arrow.

Works in Progress

“The Hungarian Auction” (with T. Morrill)

“Bargaining and Forward Induction” (with R. Deneckere)

Op-Eds

“Making Sense of the Aggregator Bank” (with Peter Cramton), *Economists’ Voice*, Vol. 6, Issue 3, Article 2, February 2009.

“No Substitute for the ‘P’-Word in Financial Rescue” (with Peter Cramton), *Economists’ Voice*, Vol. 6, Issue 2, Article 2, February 2009.

“Auction Design Critical for Rescue Plan” (with Peter Cramton), *Economists’ Voice*, Vol. 5, Issue 5, Article 5, September 2008.

Research Grants

Principal Investigator, “Common-Value Auctions with Liquidity Needs” (with P. Cramton, E. Filiz-Ozbay and E. Ozbay), National Science Foundation Grant SES-09-24773, September 1, 2009 – August 31, 2013.

Principal Investigator, “Dynamic Matching Mechanisms” (with P. Cramton), National Science Foundation Grant SES-05-31254, August 15, 2005 – July 31, 2008.

Co-Principal Investigator, “Slot Auctions for U.S. Airports” (with M. Ball, P. Cramton and D. Lovell), Federal Aviation Administration, September 1, 2004 – August 31, 2005.

Co-Principal Investigator, “Rapid Response Electronic Markets for Time-Sensitive Goods” (with G. Anandalingam, P. Cramton, H. Lucas, M. Ball and V. Subrahmanian), National Science Foundation Grant IIS-02-05489, Aug 1, 2002 – July 31, 2005.

Principal Investigator, “Multiple Item Auctions” (with P. Cramton), National Science Foundation Grant SES-01-12906, July 15, 2001 – June 30, 2004.

Principal Investigator, “Auctions for Multiple Items” (with P. Cramton), National Science Foundation Grant SBR-97-31025, April 1, 1998 – March 31, 2001.

Co-Principal Investigator, “Auctions and Infrastructure Conference” (with P. Cramton), National Science Foundation, April 1, 1998 – March 31, 1999.

Principal Investigator, “Bargaining Power, Sequential Recontracting, and the Principal-Agent Problem” (with A. Sen), National Science Foundation Grant SBR-94-10545, October 15, 1994 – September 30, 1997.

Principal Investigator, “Insider Trading and Economic Efficiency,” The Lynde and Harry Bradley Foundation, May 15, 1989 – May 14, 1992.

Principal Investigator, “Bargaining with One- and Two-Sided Incomplete Information” (with R. Deneckere), National Science Foundation Grant SES-86-19012, June 1, 1987 – May 31, 1989.

Principal Investigator, “Information Transmission in Bargaining and Markets” (with R. Deneckere), National Science Foundation Grant IST-86-09129, July 1, 1986 – June 30, 1987.

Conference Presentations

“On Generalizing the English Auction,” Econometric Society Winter Meetings, Chicago, January 1998.

“The Optimality of Being Efficient,” Maryland Auction Conference, Wye River, May 1998.

“Adverse Selection in the Credit Card Market,” Western Finance Association, Monterey, June 1998.

“The Optimality of Being Efficient,” Econometric Society Summer Meetings, Montreal, June 1998.

“Bargaining and Forward Induction,” Northwestern Summer Microeconomics Conference, Evanston, IL, July 1998.

“Predicting Personal Bankruptcies,” National Conference of Bankruptcy Judges, Dallas, October 1998.

“Adverse Selection in the Credit Card Market,” NBER Behavioral Macroeconomics Conference, Boston, December 1998.

“The Ascending Auction Paradox,” Econometric Society Summer Meetings, Madison, June 1999.

“Adverse Selection in the Credit Card Market,” Econometric Society Summer Meetings, Madison, June 1999.

“Predicting Personal Bankruptcies,” Meeting of the National Association of Chapter Thirteen Trustees, New York, July 1999.

“The Ascending Auction Paradox,” Southeast Economic Theory Conference, Washington DC, November 1999.

“Adverse Selection in the Credit Card Market,” Utah Winter Finance Conference, Salt Lake City, February 2000.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” Conference on Auctions and Market Structure, Heidelberg, Germany, July 2000.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” Conference on Multiunit Auctions, Stony Brook, NY, July 2000.

“A Mechanism Generalizing the Vickrey Auction,” Econometric Society World Congress, Seattle, August 2000.

“Auctions for Financial E-Commerce,” New York Federal Reserve Bank Conference on Financial E-Commerce, New York, February 2001.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” NSF General Equilibrium Conference, Providence, RI, April 2001.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” NSF/NBER Decentralization Conference, Evanston, IL, April 2001.

“Informal Bankruptcy,” Association of American Law Schools Workshop on Bankruptcy, St. Louis, MO, May 2001.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” Econometric Society Summer Meetings, College Park, MD, June 2001.

“Ascending Auctions with Package Bidding,” FCC, SIEPR and NSF Conference on Combinatorial Auctions, Wye River, MD, October 2001.

“The Electricité de France Generation Capacity Auctions,” CORE-ECARES-LEA Workshop on Auctions, Brussels, Belgium, November 2001.

“Informal Bankruptcy,” Utah Winter Finance Conference, Salt Lake City, February 2002.

“Defictionalizing the Walrasian Auctioneer,” Conference on Market Design in Honor of Robert Wilson, Stanford, CA, May 2002.

“Adverse Selection in the Credit Card Market,” Conference on the Economics of Payment Networks, Toulouse, France, June 2002.

“Ascending Auctions with Package Bidding,” Econometric Society Summer Meetings, Los Angeles, June 2002.

“An Efficient Dynamic Auction for Heterogeneous Commodities,” Conference in Honor of Mordecai Kurz, Stanford, CA, August 2002.

“Adverse Selection in the Credit Card Market,” Conference on Credit, Trust and Calculation, San Diego, November 2002.

“Package Bidding for Spectrum Auctions,” American Economic Association Meetings, Washington, DC, January 2003.

“Auctioning Many Divisible Goods,” invited session, European Economic Association Meetings, Stockholm, August 2003.

“Spectrum Auctions with Package Bidding,” TPRC Research Conference on Communication, Information and Internet Policy, Arlington, VA, September 2003.

“Defictionalizing the Walrasian Auctioneer,” invited lecture, Conference on Auctions and Market Design: Theory, Evidence and Applications, Fondazione Eni Enrico Mattei, Milan, September 2003.

“Clock Auctions, Proxy Auctions, and Possible Hybrids,” Workshop on Auction Theory and Practice, Pittsburgh, PA, November 2003.

“Clock Auctions, Proxy Auctions, and Possible Hybrids,” FCC Combinatorial Bidding Conference, Wye River, MD, November 2003.

“Time Inconsistency in the Credit Card Market,” Utah Winter Finance Conference, Salt Lake

City, February 2004.

“The Clock-Proxy Auction: A Practical Combinatorial Auction Design,” Conference on Auctions and Market Design: Theory, Evidence and Applications, Consip, Rome, Italy, September 2004.

“Bidder Participation and Information in Currency Auctions,” Conference on Auctions and Market Design: Theory, Evidence and Applications, Consip, Rome, Italy, September 2004.

“The Clock-Proxy Auction: A Practical Combinatorial Auction Design,” Market Design Conference, Stanford University, December 2004.

“Dynamic Matching Mechanisms,” Econometric Society World Congress, London, August 2005.

“The Clock-Proxy Auction, with Recent Applications,” SISL Workshop, Caltech, October 2005.

“Dynamic Matching Mechanisms,” Conference on Matching and Two-Sided Markets, University of Bonn, May 2006.

“The Hungarian Auction,” DIMACS Workshop on Auctions with Transaction Costs, Rutgers University, March 2007.

“The Hungarian Auction,” PSE Lecture at the Paris School of Economics, June 2007.

“Time Inconsistency in the Credit Card Market,” John M. Olin Conference on Law and Economics of Consumer Credit, University of Virginia, February 2008.

“The Hungarian Auction,” 6th Annual International Industrial Organization Conference, Arlington, VA, May 2008.

“The Hungarian Auction,” Frontiers of Microeconomic Theory and Policy, Symposium in Honour of Ray Rees, University of Munich, July 2008.

“Common-Value Auctions with Liquidity Needs: An Experimental Test of a Troubled Assets Reverse Auction,” 2009 CAPCP Conference on Auctions and Procurement, Penn State University, March 2009.

“Market Design for Troubled Assets,” NBER Workshop on Market Design, Cambridge, MA, May 2009.

“Market Design for Troubled Assets,” Madrid Summer Workshop on Economic Theory, Universidad Carlos III de Madrid, June 2009.

“Virtual Power Plant Auctions,” (with Peter Cramton), Workshop: Designing Electricity Auctions, Research Institute of Industrial Economics, Stockholm, Sweden, September 2009.

- “Using Forward Markets to Improve Electricity Market Design,” (with Peter Cramton),
Workshop: Designing Electricity Auctions, Research Institute of Industrial Economics,
Stockholm, Sweden, September 2009.
- “Virtual Power Plant Auctions,” (with Peter Cramton), Market Design 2009 Conference,
Stockholm, Sweden, September 2009.
- “Using Forward Markets to Improve Electricity Market Design,” (with Peter Cramton),
Market Design 2009 Conference, Stockholm, Sweden, September 2009.
- “Auctions with Multiple Objects,” 2009 Erwin Plein Nemmers Prize in Economics,
Conference in Honor of Paul Milgrom, Northwestern University, November 2009.
- “Penalty Interest Rates, Universal Default, and the Common Pool Problem of Credit Card
Debt” (with Oleg V. Baranov and Amanda E. Dawsey), Credit, Default and
Bankruptcy Conference, University of California - Santa Barbara, June 2010.
- “Core-Selecting Auctions with Incomplete Information” (with Oleg V. Baranov), World
Congress of the Econometric Society, Shanghai, China, August 2010.
- “Core-Selecting Auctions with Incomplete Information” (with Oleg V. Baranov), NBER
Workshop on Market Design, Cambridge, MA, October 2010.
- “Core-Selecting Auctions with Incomplete Information” (with Oleg V. Baranov), NSF/CEME
Decentralization Conference, Ohio State University, April 2011
- “Penalty Interest Rates, Universal Default, and the Common Pool Problem of Credit Card
Debt” (with Oleg V. Baranov and Amanda E. Dawsey), Centre for Financial Analysis
& Policy Conference on Consumer Credit and Bankruptcy, University of Cambridge,
UK, April 2011.
- “Core-Selecting Auctions with Incomplete Information” (with Oleg V. Baranov), Center for
the Study of Auctions, Procurements and Competition Policy Conference, Penn State
University, April 2011.
- “Design Issues for Combinatorial Clock Auctions” (with Oleg V. Baranov), Annual Meeting
of the Institute for Operations Research and the Management Sciences (INFORMS),
Phoenix AZ, October 2012.
- “An Enhanced Combinatorial Clock Auction” (with Oleg V. Baranov), SIEPR Conference on
the FCC Incentive Auctions, Stanford University, February 2013.
- “Enhancing the Combinatorial Clock Auction” (with Oleg V. Baranov), Ofcom Conference,
Combinatorial Auctions for Spectrum, London School of Economics, September 2013.
- “The Combinatorial Clock Auction, Revealed Preference and Iterative Pricing” (with Oleg V.
Baranov), NBER Workshop on Market Design, Stanford University, October 2013.

“Market Design and the Evolution of the Combinatorial Clock Auction” (with Oleg V. Baranov), invited session in honor of the Nobel Prize in Economics awarded to Market Design, American Economic Association meetings, Philadelphia, January 2014.

“Revealed Preference in Bidding: Empirical Evidence from Recent Spectrum Auctions” (with Oleg V. Baranov), NBER Market Design Conference, Palo Alto, CA, June 2014.

“Enhancing the Combinatorial Clock Auction” (with Oleg V. Baranov), Industry Canada Retrospective on the Canadian 700 MHz Spectrum Auction, Ottawa, Canada, November 2014.

“Efficient Procurement Auctions with Increasing Returns” (with Oleg V. Baranov, Christina Aperjis and Thayer Morrill), Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS), Philadelphia PA, November 2015.

Professional Service

Member of working group for the design and implementation of incentive auctions for the US Federal Communications Commission, 2011–present.

Advisor to Industry Canada and the Australian Communications and Media Authority for the design and implementation of 700 MHz and 2.5 GHz spectrum auctions, 2011–present.

Congressional Briefing on “How Fundamental Economic Research Improves People’s Lives,” Rayburn House Office Building, March 2010.

Testified before the Committee on Banking, Housing and Urban Affairs of the US Senate, Hearing on “Modernizing Consumer Protection in the Financial Regulatory System: Strengthening Credit Card Protections,” February 12, 2009.

Testified before the Subcommittee on Financial Institutions and Consumer Credit of the US House of Representatives, Hearing on “The Credit Cardholders’ Bill of Rights: Providing New Protections for Consumers,” March 13, 2008.

Member, National Science Foundation Economics Panel, 2004–2005.

Associate Editor, *Berkeley Electronic Journals of Theoretical Economics*, 2004–present.

Guest Associate Editor, *Management Science*, issue on Electronic Auctions, 2003.

Program Chair of the 2001 North American Summer Meeting of the Econometric Society (with Peter Cramton), University of Maryland, June 21–24, 2001.

Program Committee of the North American Summer Meeting of the Econometric Society, UCLA, June 2002, and University of Pennsylvania, June 1991.

Organized Maryland Auction Conference (with Peter Cramton), Wye River Conference Center, May 1998, sponsored by the National Science Foundation, the World Bank, and the University of Maryland.

Spoke at a Forum on Bankruptcy of the Financial Services Committee of the United States House of Representatives, February 28, 2001.

Testified before the Subcommittee on Commercial and Administrative Law of the United States House of Representatives, Hearing on the Consumer Bankruptcy Issues in the Bankruptcy Reform Act of 1998, March 10, 1998.

Testified before the Subcommittee on Financial Institutions and Regulatory Relief of the United States Senate, Hearing on Bankruptcy Reform, February 11, 1998.

Testified before the National Bankruptcy Review Commission, January 1997.

Referee for: *American Economic Review*, *Econometrica*, *European Economic Review*, *Games and Economic Behavior*, *International Journal of Game Theory*, *International Journal of Industrial Organization*, *Journal of Banking and Finance*, *Journal of Business*, *Journal of Economic Theory*, *Journal of Financial Intermediation*, *Journal of Political Economy*, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *Review of Economic Studies*, and the National Science Foundation.

Professional Organizations

American Economic Association
Econometric Society

Attachment F

New England Governors, State Utility Regulators and Related Agencies

Connecticut

The Honorable Dannel P. Malloy
Office of the Governor
State Capitol
210 Capitol Ave.
Hartford, CT 06106
Liz.Donohue@ct.gov
Paul.Mounds@ct.gov

<mailto:Transition.Team@ct.gov> Connecticut
Public Utilities Regulatory Authority
10 Franklin Square
New Britain, CT 06051-2605
robert.luysterborghs@ct.gov
michael.coyle@ct.gov
clare.kindall@ct.gov

Maine

The Honorable Paul LePage
One State House Station
Office of the Governor
Augusta, ME 04333-0001
Kathleen.Newman@maine.gov

Maine Public Utilities Commission
18 State House Station
Augusta, ME 04333-0018
Maine.puc@maine.gov

Massachusetts

The Honorable Charles Baker
Office of the Governor
State House
Boston, MA 02133

Massachusetts Attorney General Office
One Ashburton Place
Boston, MA 02108
rebecca.tepper@state.ma.us

Massachusetts Department of Public Utilities
One South Station
Boston, MA 02110
Nancy.Stevens@state.ma.us
morgane.treanton@state.ma.us

New Hampshire

The Honorable Maggie Hassan
Office of the Governor
26 Capital Street
Concord NH 03301
kerry.mchugh@nh.gov
Meredith.Hatfield@nh.gov

New Hampshire Public Utilities Commission
21 South Fruit Street, Ste. 10
Concord, NH 03301-2429
tom.frantz@puc.nh.gov
george.mccluskey@puc.nh.gov
F.Ross@puc.nh.gov
David.goyette@puc.nh.gov
RegionalEnergy@puc.nh.gov
Robert.scott@puc.nh.gov
amanda.noonan@puc.nh.gov

Rhode Island

The Honorable Gina Raimondo
Office of the Governor
82 Smith Street
Providence, RI 02903
eric.beane@governor.ri.gov
todd.bianco@puc.ri.gov
Marion.Gold@energy.ri.gov
christopher.kearns@energy.ri.gov
Danny.Musher@energy.ri.gov
nicholas.ucci@energy.ri.gov

Rhode Island Public Utilities Commission
89 Jefferson Blvd.
Warwick, RI 02888
Margaret.curran@puc.ri.gov
paul.roberti@puc.ri.gov
todd.bianco@puc.ri.gov

New England Governors, State Utility Regulators and Related Agencies

Vermont

The Honorable Peter Shumlin
Office of the Governor
109 State Street, Pavilion
Montpelier, VT 05609
Darren.Springer@state.vt.us
Justin.johnson@state.vt.us

Vermont Public Service Board
112 State Street
Montpelier, VT 05620-2701
mary-jo.krolewski@state.vt.us
sarah.d.hofmann@state.vt.us

Vermont Department of Public Service
112 State Street, Drawer 20
Montpelier, VT 05620-2601
bill.jordan@state.vt.us
chris.recchia@state.vt.us
Ed.McNamara@state.vt.us

Margaret “Meg” Curran, President
New England Conference of Public Utilities
Commissioners
89 Jefferson Boulevard
Warwick, RI 02888
margaret.curran@puc.ri.gov

Harvey L. Reiter, Esq.
Counsel for New England Conference of Public
Utilities Commissioners, Inc.
c/o Stinson Morrison Hecker LLP
1150 18th Street, N.W., Ste. 800
Washington, DC 20036-3816
HReiter@stinson.com

New England Governors, Utility Regulatory and Related Agencies

Anne Stubbs
Coalition of Northeastern Governors
400 North Capitol Street, NW
Washington, DC 20001
coneg@sso.org

Heather Hunt, Executive Director
New England States Committee on Electricity
655 Longmeadow Street
Longmeadow, MA 01106
HeatherHunt@nescoe.com
JasonMarshall@nescoe.com

Rachel Goldwasser, Executive Director
New England Conference of Public Utilities
Commissioners
Concord, NH 03301
rgoldwasser@necpuc.org