



February 18, 2020

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. ER20-____-000
Forward Capacity Auction Results Filing
April 3, 2020 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 fourteenth Forward Capacity Auction (“FCA”). 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 fourteenth FCA was held on February 3, 2020 for the June 1, 2023 through May 31, 2024 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 3, 2020, and the ISO requests that the Commission issue a notice setting a April 3, 2020 comment date.** As discussed below, the ISO requests an effective date of June 17, 2020, which is 120 days from the date of this submission.

In accordance with Section III.13.8.2 of the Tariff, this submission contains the results of the fourteenth 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

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.

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Obligations.³ Pursuant to Section III.12.4 of the Tariff, the Capacity Zones for the fourteenth FCA were the Southeast New England Capacity Zone (“SENE”), the Northern New England Capacity Zone (“NNE”), the Maine Capacity Zone (“Maine”) and the Rest-of-Pool Capacity Zone. The SENE Capacity Zone included the Southeastern Massachusetts, Rhode Island and Northeastern Massachusetts/Boston energy load zones. The SENE Capacity Zone was modeled as an import-constrained Capacity Zone. The NNE Capacity Zone included the New Hampshire, Vermont, and Maine Load Zones. NNE was modeled as an export-constrained Capacity Zone. The Maine Load Zone was modeled as a separate nested export-constrained Capacity Zone within NNE. The Rest-of-Pool Capacity Zone included the Connecticut and Western/Central Massachusetts Load Zones.

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. To meet the requirement of Section III.13.8.2 (b) of the Tariff, the ISO has included the Testimony of Robert G. Ethier, Vice President of System Planning at the ISO (“Ethier Testimony”); the Testimony of Alan McBride, Director of Transmission Services and Resource Qualification at the ISO (“McBride 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 fourteenth 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:

³ Section III.13.8.2 of the Tariff requires the ISO to include in the FCA Results Filing the substitution auction clearing prices and the total amount of payments associated with any demand bids cleared at a substitution auction clearing price above their demand bid prices. However, as explained below and in the Ethier Testimony, the substitution auction was not conducted in FCA 14 because there were no active demand bids. For that reason, this FCA Results Filing does not include substitution auction clearing prices or total amount of payments associated with any demand bids cleared at a substitution auction clearing price above their demand bid prices.

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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.⁴ The ISO respectfully requests that the Commission find that the fourteenth 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.

III. REQUESTED EFFECTIVE DATE

The ISO respectfully requests that the Commission accept the fourteenth FCA Results Filing, confirming that the auction was conducted in conformance with the ISO's Commission-approved Tariff, to be effective June 17, 2020, 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.⁵ 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 fourteenth FCA were SENE, NNE, Maine, 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.

⁴ It should be noted that the Commission has consistently held that the matters that may properly be 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).

⁵ Tariff Section III.13.8.2 (c).

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 For the fourteenth FCA, the descending clock auction starting price in each Capacity Zone was \$13.099/kW-month. As explained in the Ethier Testimony, the auction resulted in the same Capacity Clearing Price of \$2.001/kW-month for the SENE, NNE, Maine and Rest-of-Pool Capacity Zones.⁷

Imports over the New York AC Ties external interface, totaling 510.720 MW, imports over the Hydro-Quebec Highgate external interface, totaling 64 MW, imports over the New Brunswick external interface, totaling 72 MW, and imports over the Phase I/II HQ Excess external interface, totaling 412 MW, will also receive a Capacity Clearing Price of \$2.001/kW-month.

C. Substitution Auction Clearing Prices and Total Amount of Payments Associated with any Demand Bids Cleared at a Substitution Auction Clearing Price Above Their Demand Bid Prices

Section III.13.8.2 (a) of the Tariff requires the ISO to provide the clearing prices and total amount of payments associated with any demand bids cleared at the substitution auction clearing price above their demand bid prices. In FCA 14, there were no active demand bids for the substitution auction and, accordingly, the substitution auction was not conducted.

D. Capacity Supply Obligations

The Tariff requires the ISO to specify in the FCA Results Filing the resources that received Capacity Supply Obligations in each Capacity Zone.⁸ 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 Facilities.⁹ No resources cleared as Conditional Qualified New Generating Capacity Resources in the fourteenth FCA. In addition, there were no Long Lead Time Facilities that secured a Queue Position to participate as a New Generating Capacity Resource in the fourteenth FCA; as such, there

⁶ Tariff Section III.13.8.2 (a).

⁷ Ethier Testimony at 12-13.

⁸ Tariff Section III.13.8.2 (a).

⁹ *Id.*

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were no resources with a lower queue priority that were selected in the FCA subject to a Long Lead Time Facility with a higher queue priority.

E. De-List Bids Reviewed for Reliability Purposes

Prior to the fourteenth FCA, pursuant to Section III.13.2.5.2.5 of the Tariff, the ISO reviewed each submitted Retirement De-List Bid, Permanent De-List Bid, and Static De-List Bid¹⁰ to determine if the capacity associated with each such bid was needed for reliability reasons. During the FCA, also pursuant to Section III.13.2.5.2.5, the ISO reviewed a sufficient quantity of Dynamic De-List Bids associated with reaching the Capacity Clearing Price to determine if the capacity associated with each such bid was needed for reliability reasons. The capacity is deemed to be needed for reliability reasons if a violation of any North American Electric Reliability Corporation (“NERC”), Northeast Power Coordinating Council (“NPCC”), or ISO criteria would occur in the absence of the capacity. The ISO’s review of de-list bids considered the availability of all existing supply resources in the FCM, including Demand Capacity Resources. The ISO process for performing the reliability review of de-list bids pursuant to Section III.13.2.5.2.5 of the Tariff is described in that provision, and in Section 7 of ISO New England Planning Procedure No. 10 — Planning Procedure to Support the Forward Capacity Market (“PP-10”).

Section III.13.8.2 (a) of the Tariff requires that, in the FCA Results Filing, the ISO enumerate de-list bids rejected for reliability reasons pursuant to Section III.13.2.5.2.5, and the reasons for those rejections. As explained in the McBride Testimony, in the fourteenth FCA, the ISO did not reject any bids for reliability reasons pursuant to Section III.13.2.5.2.5.¹¹

V. DOCUMENTATION REQUIRED PURSUANT TO SECTION III.13.8.2 (b) OF THE TARIFF

Section III.13.8.2 (b) of the Tariff requires the ISO to provide documentation regarding the competitiveness of the FCA, and states that 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 Ethier Testimony, the McBride Testimony, and the Ausubel Testimony.

¹⁰ No Export De-List Bids or Administrative Export De-List Bids were submitted for the fourteenth FCA.

¹¹In the thirteenth FCA, the ISO retained Mystic 8 and 9 for fuel security pursuant to Section III.13.2.5.2.5A. Pursuant to Section III.13.2.5.2.5A (j), the ISO is required to perform a reevaluation of any resource that was retained for fuel security in the preceding FCA, to determine if the resource is still needed for fuel security for the subsequent FCA. Therefore, in preparation for the fourteenth FCA, the ISO performed a reevaluation of the Mystic 8 & 9 fuel security retention and Mystic 8 & 9 were retained for fuel security for the 2023-2024 Capacity Commitment Period in advance of the FCA.

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In his testimony, Dr. Ethier certifies that all resources offering and bidding in the fourteenth FCA were qualified in accordance with Section III.13.1 of the Tariff.¹² Dr. Ethier also explains the prices resulting from the auction and how the prices were determined.¹³

In his testimony, Mr. McBride testifies that he oversaw the reliability review of de-list bids for the fourteenth FCA pursuant to Section III.13.2.5.2.5 of the Tariff.

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 of the Tariff.¹⁴ 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.¹⁵ 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.¹⁶ 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.

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

- This transmittal letter;
- Attachment A: List of Capacity Supply Obligations;
- Attachment B: Testimony of Robert G. Ethier;

¹² Ethier Testimony at 2.

¹³ *Id.* at 12-15.

¹⁴ Ausubel Testimony at 4.

¹⁵ As 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).

¹⁶ 18 C.F.R. § 35.13 (2017).

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- Attachment C: Testimony of Alan McBride;
- Attachment D: Testimony of Lawrence M. Ausubel; and
- Attachment E: List of governors and utility regulatory agencies in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont to which a copy of this filing has been mailed.

35.13(b)(2) - The ISO respectfully requests that the Commission accept this filing to become effective on June 17, 2020, 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 <https://www.iso-ne.com/participate/participant-asset-listings/directory?id=1&type=committee>. An electronic copy of this transmittal letter and the accompanying materials have 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 E.

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 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.

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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 fourteenth 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 external interfaces, and it has provided a list of resources that received Capacity Supply Obligations. Finally, the ISO has provided documentation, in the form of testimony, regarding the outcome of the fourteenth FCA. Accordingly, the ISO requests that the Commission accept the results of the fourteenth FCA within 120 days of this filing.

Respectfully submitted,

By: /s/ Margoth Caley

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

Attachment A

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
253	TURNKEY LANDFILL	Generator	8505	Northern New England	NH	NH	Existing	0.698	0.698	0.698	0.698	0.708	0.708	0.708	0.708	0.708	0.708	0.708	
321	MANCHESTER 10 10A CC	Generator	8506	Southeast New England	RI	RI	Existing	157	157	157	157	157	157	157	157	157	157	157	
322	MANCHESTER 11 11A CC	Generator	8506	Southeast New England	RI	RI	Existing	157	157	157	157	157	157	157	157	157	157	157	
323	MANCHESTER 9 9A CC	Generator	8506	Southeast New England	RI	RI	Existing	154	154	154	154	154	154	154	154	154	154	154	
324	CDECCA	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
326	ALTRESCO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	135.457	135.457	135.457	135.457	135.457	135.457	135.457	135.457	135.457	135.457	135.457	
327	AMOSKEAG	Generator	8505	Northern New England	NH	NH	Existing	1.181	1.181	1.181	1.181	2.919	2.919	2.919	2.919	2.919	2.919	2.919	
328	GULF ISLAND COMPOSITE Incremental	Generator	8503	Maine	ME	ME	Existing	29.284	29.284	29.284	29.284	29.284	29.284	29.284	29.284	29.284	29.284	29.284	
330	AYERS ISLAND	Generator	8505	Northern New England	NH	NH	Existing	3.688	3.688	3.688	3.688	3.688	3.688	3.688	3.688	3.688	3.688	3.688	
331	AZISCOHOS HYDRO	Generator	8503	Maine	ME	ME	Existing	6.645	6.645	6.645	6.645	6.645	6.645	6.645	6.645	6.645	6.645	6.645	
335	BELLOWS FALLS	Generator	8505	Northern New England	NH	NH	Existing	47.216	47.216	47.216	47.216	47.216	47.216	47.216	47.216	47.216	47.216	47.216	
336	BERLIN 1 GT	Generator	8505	Northern New England	VT	VT	Existing	40.26	40.26	40.26	40.26	40.26	40.26	40.26	40.26	40.26	40.26	40.26	
341	BRIDGEPORT HARBOR 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
346	BOLTON FALLS	Generator	8505	Northern New England	VT	VT	Existing	0.687	0.687	0.687	0.687	2.673	2.673	2.673	2.673	2.673	2.673	2.673	
348	BOOT MILLS	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	5.057	5.057	5.057	5.057	10.882	10.882	10.882	10.882	10.882	10.882	10.882	
349	WHEELABRATOR BRIDGEPORT, L.P.	Generator	8500	Rest-of-Pool	CT	CT	Existing	58.545	58.545	58.545	58.545	58.545	58.545	58.545	58.545	58.545	58.545	58.545	
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	
356	BRISTOL REFUSE	Generator	8500	Rest-of-Pool	CT	CT	Existing	12.921	12.921	12.921	12.921	12.774	12.774	12.774	12.774	12.774	12.774	12.774	
357	BRIDGEWATER	Generator	8505	Northern New England	NH	NH	Existing	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	
358	BRUNSWICK	Generator	8503	Maine	ME	ME	Existing	6.181	6.181	6.181	6.181	12.103	12.103	12.103	12.103	12.103	12.103	12.103	
359	J. COCKWELL 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	
360	J. COCKWELL 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	
362	BULLS BRIDGE	Generator	8500	Rest-of-Pool	CT	CT	Existing	2.364	2.364	2.364	2.364	4.217	4.217	4.217	4.217	4.217	4.217	4.217	
363	BURLINGTON GT	Generator	8505	Northern New England	VT	VT	Existing	18.383	18.383	18.383	18.383	18.383	18.383	18.383	18.383	18.383	18.383	18.383	
365	CANAL 1	Generator	8506	Southeast New England	MA	SEMA	Existing	562.305	562.305	562.305	562.305	562.305	562.305	562.305	562.305	562.305	562.305	562.305	
366	CANAL 2	Generator	8506	Southeast New England	MA	SEMA	Existing	558.75	558.75	558.75	558.75	558.75	558.75	558.75	558.75	558.75	558.75	558.75	
367	CAPE GT 4	Generator	8503	Maine	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	
368	CAPE GT 5	Generator	8503	Maine	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	
369	CATARACT EAST	Generator	8503	Maine	ME	ME	Existing	7.373	7.373	7.373	7.373	7.373	7.373	7.373	7.373	7.373	7.373	7.373	
370	COS COB 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	18.932	18.932	18.932	18.932	18.932	18.932	18.932	18.932	18.932	18.932	18.932	
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	
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	
375	CLEARY 9 9A CC	Generator	8506	Southeast New England	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	
376	CLEARY 8	Generator	8506	Southeast New England	MA	SEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
379	COBBLE MOUNTAIN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	26.966	26.966	26.966	26.966	26.966	26.966	26.966	26.966	26.966	26.966	26.966	
380	COMERFORD	Generator	8505	Northern New England	NH	NH	Existing	166.135	166.135	166.135	166.135	166.135	166.135	166.135	166.135	166.135	166.135	166.135	
382	MERRIMACK CT1	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0	0	0	0	0	0	0	
383	MERRIMACK CT2	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0	0	0	0	0	0	0	
388	DARTMOUTH POWER	Generator	8506	Southeast New England	MA	SEMA	Existing	61.32	61.32	61.32	61.32	61.32	61.32	61.32	61.32	61.32	61.32	61.32	
389	DERBY DAM	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.356	1.356	1.356	1.356	5.55	5.55	5.55	5.55	5.55	5.55	5.55	
392	DEXTER	Generator	8500	Rest-of-Pool	CT	CT	Existing	44.502	44.502	44.502	44.502	44.502	44.502	44.502	44.502	44.502	44.502	44.502	
393	DEERFIELD 5	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	13.965	13.965	13.965	13.965	13.99	13.99	13.99	13.99	13.99	13.99	13.99	
395	DOOREN	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	
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	
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	
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	
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	
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	
401	EASTMAN FALLS	Generator	8505	Northern New England	NH	NH	Existing	1	1	1	1	2.065	2.065	2.065	2.065	2.065	2.065	2.065	
405	ELLSWORTH HYDRO	Generator	8503	Maine	ME	ME	Existing	9.044	9.044	9.044	9.044	9.044	9.044	9.044	9.044	9.044	9.044	9.044	
410	ESSEX 19 HYDRO	Generator	8505	Northern New England	VT	VT	Existing	2.416	2.416	2.416	2.416	4.421	4.421	4.421	4.421	4.421	4.421	4.421	
412	FALLS VILLAGE	Generator	8500	Rest-of-Pool	CT	CT	Existing	1.294	1.294	1.294	1.294	4.793	4.793	4.793	4.793	4.793	4.793	4.793	
413	FIFE BROOK	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	3.129	3.129	3.129	3.129	5.444	5.444	5.444	5.444	5.444	5.444	5.444	
417	FRAMINGHAM JET 1	Generator	8506	Southeast New England	MA	NEMA	Existing	10.145	10.145	10.145	10.145	10.145	10.145	10.145	10.145	10.145	10.145	10.145	
418	FRAMINGHAM JET 2	Generator	8506	Southeast New England	MA	NEMA	Existing	10.129	10.129	10.129	10.129	10.129	10.129	10.129	10.129	10.129	10.129	10.129	
419	FRAMINGHAM JET 3	Generator	8506	Southeast New England	MA	NEMA	Existing	11.024	11.024	11.024	11.024	11.024	11.024	11.024	11.024	11.024	11.024	11.024	
420	FRANKLIN DRIVE 10	Generator	8500	Rest-of-Pool	CT	CT	Existing	15.417	15.417	15.417	15.417	15.417	15.417	15.417	15.417	15.417	15.417	15.417	
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	
424	GREAT LAKES - MILLINOCKET	Generator	8503	Maine	ME	ME	Existing	100.108	100.108	100.108	100.108	100.108	100.108	100.108	100.108	100.108	100.108	100.108	
426	GORGE 1 DIESEL	Generator	8505	Northern New England	VT	VT	Existing	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	7.749	
427	GORHAM	Generator	8505	Northern New England	NH	NH	Existing	0.25	0.25	0.25	0.25	0.458	0.458	0.458	0.458	0.458	0.458	0.458	
432	HARRIS 1	Generator	8503	Maine	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</																	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
857	OAKDALE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.497	2.497	2.497	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223
859	BOATLOCK	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.395	1.395	1.395	1.951	1.951	1.951	1.951	1.951	1.951	1.951	1.951	1.951
860	BRIAR HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.556	0.556	0.556	0.556	2.605	2.605	2.605	2.605	2.605	2.605	2.605	2.605
861	CANAAN	Generator	8505	Northern New England	NH	NH	Existing	0.25	0.25	0.25	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	
862	CHEMICAL	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.344	0.344	0.344	0.344	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
863	CLEMENT DAM	Generator	8505	Northern New England	NH	NH	Existing	0.54	0.54	0.54	0.54	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895
864	DWIGHT	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.157	0.157	0.157	0.157	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
865	ERROL	Generator	8505	Northern New England	NH	NH	Existing	1.769	1.769	1.769	1.769	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978
866	GREGGS	Generator	8505	Northern New England	NH	NH	Existing	0.292	0.292	0.292	0.292	1.135	1.135	1.135	1.135	1.135	1.135	1.135	1.135
867	INDIAN ORCHARD	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0.547	0.547	0.547	0.547	0.547	0.547	0.547	0.547
868	MILTON MILLS HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.185	0.185	0.185	0.185	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031
869	MINE FALLS	Generator	8505	Northern New England	NH	NH	Existing	0.371	0.371	0.371	0.371	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
870	PEMBROKE	Generator	8505	Northern New England	NH	NH	Existing	0.082	0.082	0.082	0.082	1.154	1.154	1.154	1.154	1.154	1.154	1.154	1.154
871	PENNACOOK FALLS LOWER	Generator	8505	Northern New England	NH	NH	Existing	0.937	0.937	0.937	0.937	2.737	2.737	2.737	2.737	2.737	2.737	2.737	2.737
872	PENNACOOK FALLS UPPER	Generator	8505	Northern New England	NH	NH	Existing	0.641	0.641	0.641	0.641	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918
873	PUTTS BRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.377	0.377	0.377	0.377	1.957	1.957	1.957	1.957	1.957	1.957	1.957	1.957
874	RED BRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.149	0.149	0.149	0.149	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133
875	RIVER BEND	Generator	8505	Northern New England	NH	NH	Existing	0.644	0.644	0.644	0.644	1.018	1.018	1.018	1.018	1.018	1.018	1.018	1.018
876	ROBERTSVILLE	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
877	SCOTLAND	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315
878	SKINNER	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
879	TAFTVILLE CT	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.153	0.153	0.153	0.153	0.794	0.794	0.794	0.794	0.794	0.794	0.794	0.794
882	FRANKLIN FALLS	Generator	8505	Northern New England	NH	NH	Existing	0.351	0.351	0.351	0.351	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448
883	SALMON FALLS HYDRO	Generator	8503	Maine	ME	ME	Existing	0	0	0	0	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
884	SWANS FALLS	Generator	8505	Northern New England	NH	NH	Existing	0.188	0.188	0.188	0.188	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
886	COCHECO FALLS	Generator	8505	Northern New England	NH	NH	Existing	0.044	0.044	0.044	0.044	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
887	CHINA MILLS DAM	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
888	NEWFOUND HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.156	0.156	0.156	0.156	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734
889	SUNAPEE HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.091	0.091	0.091	0.091	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278
890	NASHUA HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.077	0.077	0.077	0.077	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584
891	HILLSBORO MILLS	Generator	8505	Northern New England	NH	NH	Existing	0.009	0.009	0.009	0.009	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
892	LAKEPORT DAM	Generator	8505	Northern New England	NH	NH	Existing	0.169	0.169	0.169	0.169	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
893	WEST HOPKINTON HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.054	0.054	0.054	0.054	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308
894	LISBON HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.196	0.196	0.196	0.196	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268
895	LOWER ROBERTSON DAM	Generator	8505	Northern New England	NH	NH	Existing	0.244	0.244	0.244	0.244	0.518	0.518	0.518	0.518	0.518	0.518	0.518	0.518
897	OLD NASH DAM	Generator	8505	Northern New England	NH	NH	Existing	0.017	0.017	0.017	0.017	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
898	SUGAR RIVER HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.012	0.012	0.012	0.012	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101
900	GREAT FALLS LOWER	Generator	8505	Northern New England	NH	NH	Existing	0.048	0.048	0.048	0.048	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514
901	WATERLOOM FALLS	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
902	HOSIERY MILL DAM	Generator	8505	Northern New England	NH	NH	Existing	0.144	0.144	0.144	0.144	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342
903	WYANDOTTE HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
904	LOCHMORE DAM	Generator	8505	Northern New England	NH	NH	Existing	0.235	0.235	0.235	0.235	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
905	ASHUELLOT HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.263	0.263	0.263	0.263	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493
906	ROLLINSFORD HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.036	0.036	0.036	0.036	0.773	0.773	0.773	0.773	0.773	0.773	0.773	0.773
908	OTIS MILL HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
909	STEELS POND HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.054	0.054	0.054	0.054	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264
910	CAMPION DAM	Generator	8505	Northern New England	NH	NH	Existing	0.04	0.04	0.04	0.04	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
911	KELLEYS FALLS	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224
913	GOODRICH FALLS	Generator	8505	Northern New England	NH	NH	Existing	0.087	0.087	0.087	0.087	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
919	HOPKINTON HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.094	0.094	0.094	0.094	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
925	OTTER LANE HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.003	0.003	0.003	0.003	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
926	PETERBOROUGH LOWER HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.031	0.031	0.031	0.031	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
928	SALMON BROOK STATION 3	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
931	AVERY DAM	Generator	8505	Northern New England	NH	NH	Existing	0.161	0.161	0.161	0.161	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192
932	WATSON DAM	Generator	8505	Northern New England	NH	NH	Existing	0.013	0.013	0.013	0.013	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
933	WESTON DAM	Generator	8505	Northern New England	NH	NH	Existing	0.182	0.182	0.182	0.182	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
935	SUNNYBROOK HYDRO 2	Generator	8505	Northern New England	NH	NH	Existing	0.01	0.01	0.01	0.01	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
941	PETERBOROUGH UPPER HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0.024	0.024	0.024	0.024	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.154
943	FOUR HILLS LANDFILL	Generator	8505	Northern New England	NH	NH	Existing	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	
948	PEPPERELL HYDRO COMPANY LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.237	0.237	0.237	0.237	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
950	LP ATHOL - QF	Generator	8500	Rest-of-Pool	MA	WCMA	Existing</td												

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1034	RIVERSIDE 4-7	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.868	1.868	1.868	1.563	1.563	1.563	1.563	1.563	1.563	1.563	1.563	1.563
1035	RIVERSIDE 8	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.58	2.58	2.58	2.58	2.959	2.959	2.959	2.959	2.959	2.959	2.959	2.959
1047	FAIRFAX	Generator	8505	Northern New England	VT	VT	Existing	1.063	1.063	1.063	1.063	3.241	3.241	3.241	3.241	3.241	3.241	3.241	3.241
1048	WARE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.061	0.061	0.061	0.061	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532
1049	COLLINS HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.257	0.257	0.257	0.257	0.564	0.564	0.564	0.564	0.564	0.564	0.564	0.564
1050	CHICOPEE HYDRO	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.322	0.322	0.322	0.322	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921
1054	BLACKSTONE HYDRO ASSOC	Generator	8506	Southeast New England	RI	RI	Existing	0	0	0	0	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103
1057	BLACKSTONE HYDRO LOAD REDUCER	Generator	8506	Southeast New England	RI	RI	Existing	0.166	0.166	0.166	0.166	0.421	0.421	0.421	0.421	0.421	0.421	0.421	0.421
1061	MASCOMA HYDRO	Generator	8505	Northern New England	NH	NH	Existing	0	0	0	0	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393
1062	MWRA COSGROVE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.727	0.727	0.727	0.727	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
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	8503	Maine	ME	ME	Existing	1.81	1.81	1.81	1.81	2.052	2.052	2.052	2.052	2.052	2.052	2.052	2.052
1113	BRASSUA HYDRO	Generator	8503	Maine	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	
1114	MADISON COMPOSITE	Generator	8503	Maine	ME	ME	Existing	9.615	9.615	9.615	9.615	17.933	17.933	17.933	17.933	17.933	17.933	17.933	17.933
1117	GREAT WORKS COMPOSITE	Generator	8503	Maine	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	
1119	KENNEBAGO HYDRO	Generator	8503	Maine	ME	ME	Existing	0.178	0.178	0.178	0.178	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365
1122	CASCADE-DIAMOND-QF	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.014	0.014	0.014	0.014	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252
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	
1209	CRA HARTFORD LANDFILL	Generator	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
1210	MILLENNIUM	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	331	331	331	331	331	331	331	331	331	331	331	
1216	MAINE INDEPENDENCE STATION	Generator	8503	Maine	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	
1221	ESSEX DIESELS	Generator	8505	Northern New England	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	
1226	TIVERTON POWER	Generator	8506	Southeast New England	RI	RI	Existing	265.377	265.377	265.377	265.377	267.741	267.741	270.031	270.031	270.031	270.031	270.031	
1255	RUMFORD POWER	Generator	8503	Maine	ME	ME	Existing	244.281	244.281	244.281	244.281	244.281	244.281	245.581	246.581	246.581	246.581	246.581	
1258	BHE SMALL HYDRO COMPOSITE	Generator	8503	Maine	ME	ME	Existing	0.278	0.278	0.278	0.278	1.398	1.398	1.398	1.398	1.398	1.398	1.398	
1270	SYSCO STONY BROOK	Generator	8503	Maine	ME	ME	Existing	0.011	0.011	0.011	0.011	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
1273	KENNEBEC WATER US	Generator	8503	Maine	ME	ME	Existing	0.102	0.102	0.102	0.102	0.341	0.341	0.341	0.341	0.341	0.341	0.341	
1286	ANP-BLACKSTONE ENERGY CO. #1	Generator	8506	Southeast New England	MA	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	MA	SEMA	Existing	250.791	250.791	250.791	250.791	250.791	250.791	250.791	250.791	250.791	250.791	250.791	
1288	BUCKSPORT ENERGY 4	Generator	8503	Maine	ME	ME	Existing	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	
1342	LAKE ROAD 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	269.792	269.792	269.792	269.792	269.792	269.792	269.792	269.792	269.792	269.792	269.792	
1343	LAKE ROAD 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	264.138	264.138	264.138	264.138	264.138	264.138	264.138	264.138	264.138	264.138	264.138	
1344	LAKE ROAD 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	279	279	279	279	279	279	279	279	279	279	279	
1345	WESTBROOK	Generator	8503	Maine	ME	ME	Existing	530	530	530	530	530	530	530	530	530	530	530	
1368	ROCKY GORGE CORPORATION	Generator	8503	Maine	ME	ME	Existing	0.05	0.05	0.05	0.05	0.248	0.248	0.248	0.248	0.248	0.248	0.248	
1376	PPL WALLINGFORD UNIT 1	Generator	8500	Rest-of-Pool	CT	CT	Existing	47.286	47.286	47.286	47.286	47.286	47.286	48.435	48.435	48.435	48.435	48.435	
1377	PPL WALLINGFORD UNIT 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	47.286	47.286	47.286	47.286	47.286	47.286	48.435	48.435	48.435	48.435	48.435	
1378	PPL WALLINGFORD UNIT 3	Generator	8500	Rest-of-Pool	CT	CT	Existing	47.286	47.286	47.286	47.286	47.286	47.286	48.435	48.435	48.435	48.435	48.435	
1379	PPL WALLINGFORD UNIT 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	47.286	47.286	47.286	47.286	47.286	47.286	48.435	48.435	48.435	48.435	48.435	
1380	PPL WALLINGFORD UNIT 5	Generator	8500	Rest-of-Pool	CT	CT	Existing	47.286	47.286	47.286	47.286	47.286	47.286	48.435	48.435	48.435	48.435	48.435	
1385	Milford Power 1 Incremental	Generator	8500	Rest-of-Pool	CT	CT	Existing	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	
1386	MILFORD POWER 2	Generator	8500	Rest-of-Pool	CT	CT	Existing	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	267.7	
1412	ANP-BELLINGHAM 1	Generator	8506	Southeast New England	MA	SEMA	Existing	254.704	254.704	254.704	254.704	254.704	254.704	254.704	254.704	254.704	254.704	254.704	
1415	ANP-BELLINGHAM 2	Generator	8506	Southeast New England	MA	SEMA	Existing	247.295	247.295	247.295	247.295	247.295	247.295	247.295	247.295	247.295	247.295	247.295	
1432	GRS-FALL RIVER	Generator	8506	Southeast New England	MA	SEMA	Existing	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	
1478	MYSTIC 8	Generator	8506	Southeast New England	MA	NEMA	Existing	703.324	703.324	703.324	703.324	703.324	703.324	703.324	703.324	703.324	703.324	703.324	
1572	GRANBY SANITARY LANDFILL QF 05	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.385	1.385	1.385	1.385	1.82	1.82	1.82	1.82	1.82	1.82	1.82	
1616	MYSTIC 9	Generator	8506	Southeast New England	MA	NEMA	Existing	709.676	709.676	709.676	709.676	709.676	709.676	709.676	709.676	709.676	709.676	709.676	
1625	GRANITE RIDGE ENERGY	Generator	8505	Northern New England	NH	NH	Existing	626	626	626	626	626	626	626	626	626	626	626	
1630	RISEP	Generator	8506	Southeast New England	RI	RI	Existing	551.668	551.668	551.668	551.668	561.488	561.488	570.997	570.997	570.997	570.997	570.997	
1649	EP Newington Energy, LLC	Generator	8505	Northern New England	NH	NH	Existing	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	
1656	HULL WIND TURBINE U5	Generator	8506	Southeast New England	MA	SEMA	Existing	0.033	0.033	0.033	0.033	0.096	0.096	0.096	0.096	0.096	0.096	0.096	
1672	KENDALL CT	Generator	8506	Southeast New England	MA	NEMA	Existing	161.837	161.837	161.837	161.837	161.837	161.837	161.837	161.837	161.837	161.837	161.837	
1691	FORE RIVER-1	Generator	8506	Southeast New England	MA	NEMA	Existing	616	616	616	616	616	616	616	616	616	616	616	
1693	WEST SPRINGFIELD GT-1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	38.646	38.646	38.646	38.646	38.646	38.646	38.646	38.646	38.646	38.646	38.646	
1694	WEST SPRINGFIELD GT-2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	39	39	39	39	39	39	39	39	39	39	39	
2278	BARKER LOWER HYDRO	Generator	8503	Maine	ME	ME	Existing	0.104	0.104	0.104	0.104	0.707	0.707	0.707	0.707	0.707	0.707	0.707	
2279	BARKER UPPER HYDRO	Generator	8503	Maine	ME	ME	Existing	0.099	0.099	0.099	0.099	0.602	0.602	0.602	0.602	0.602	0.602	0.602	
2280	BENTON FALLS HYDRO	Generator	8503	Maine	ME	ME	Existing	0.421	0.421	0.421	0.421	1.451	1.451	1.451	1.451	1.451	1.451	1.451	
2281	BROWNS MILL HYDRO	Generator																	

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
2292	YORK HYDRO	Generator	8503	Maine	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	0
2425	SPRINGFIELD REFUSE-NEW	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
2426	Hydro Kennebec	Generator	8503	Maine	ME	Existing	5.851	5.851	5.851	5.851	8.614	8.614	8.614	8.614	8.614	8.614	8.614	8.614	8.614
2431	DODGE FALLS-NEW	Generator	8505	Northern New England	VT	VT	Existing	2.432	2.432	2.432	2.432	3.821	3.821	3.821	3.821	3.821	3.821	3.821	3.821
2432	HUNTINGTON FALLS-NEW	Generator	8505	Northern New England	VT	VT	Existing	0.829	0.829	0.829	0.829	1.815	1.815	1.815	1.815	1.815	1.815	1.815	1.815
2433	RVEGATE 1-NEW	Generator	8505	Northern New England	VT	VT	Existing	19	19	19	19	19	19	19	19	19	19	19	
2462	PLAINVILLE GEN QF U5	Generator	8506	Southeast New England	MA	SEMA	Existing	1.734	1.734	1.734	1.734	1.934	1.934	1.934	1.934	1.934	1.934	1.934	1.934
2466	CHERRY 7	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
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	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
2469	CHERRY 11	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
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	3.905	3.905	3.905	3.905	3.905	3.905	3.905	3.905	3.905	3.905	3.905	
9105	PSNH CORE EE Pgm Portfolio I	Demand	8505	Northern New England	NH	NH	Existing	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	
9114	ngrid nh odr eoproject_1	Demand	8505	Northern New England	NH	NH	Existing	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	
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 eoproject_1	Demand	8506	Southeast New England	RI	RI	Existing	1	1	1	1	1	1	1	1	1	1	1	
9120	ngrid sema odr eoproject_1	Demand	8506	Southeast New England	MA	SEMA	Existing	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
9121	ngrid wcma odr eoproject_1	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.163	1.163	1.163	1.163	1.163	1.163	1.163	1.163	1.163	1.163	1.163	
9122	ngrid nema odr eoproject_1	Demand	8506	Southeast New England	MA	NEMA	Existing	1.528	1.528	1.528	1.528	1.528	1.528	1.528	1.528	1.528	1.528	1.528	
9123	NSTAR SEMA	Demand	8506	Southeast New England	MA	SEMA	Existing	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	
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	
10106	Citizens Group A	Demand	8505	Northern New England	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	
10361	BOC Kittery Load	Demand	8503	Maine	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 U5	Generator	8505	Northern New England	NH	NH	Existing	0.014	0.014	0.014	0.014	0.065	0.065	0.065	0.065	0.065	0.065	0.065	
10403	EASTMAN BROOK U5	Generator	8505	Northern New England	NH	NH	Existing	0.005	0.005	0.005	0.005	0.029	0.029	0.029	0.029	0.029	0.029	0.029	
10406	LOWER VALLEY HYDRO U5	Generator	8505	Northern New England	NH	NH	Existing	0.033	0.033	0.033	0.033	0.077	0.077	0.077	0.077	0.077	0.077	0.077	
10409	SWEETWATER HYDRO U5	Generator	8505	Northern New England	NH	NH	Existing	0.102	0.102	0.102	0.102	0.232	0.232	0.232	0.232	0.232	0.232	0.232	
10424	Great Lakes - Berlin Incremental	Generator	8505	Northern New England	NH	NH	Existing	5.364	5.364	5.364	5.364	10.664	10.664	10.664	10.664	10.664	10.664	10.664	
10615	BLUE SPRUCE FARM U5	Generator	8505	Northern New England	VT	VT	Existing	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	
10770	WEST SPRINGFIELD HYDRO U5	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.309	0.309	0.309	0.309	0.819	0.819	0.819	0.819	0.819	0.819	0.819	
10801	COVENTRY CLEAN ENERGY	Generator	8505	Northern New England	VT	VT	Existing	3.521	3.521	3.521	3.521	3.683	3.683	3.683	3.683	3.683	3.683	3.683	
11052	GTRR NEW BEDFORD LGF UTIL PROJ	Generator	8506	Southeast New England	MA	SEMA	Existing	2.199	2.199	2.199	2.199	2.355	2.355	2.355	2.355	2.355	2.355	2.355	
11216	NORTH HARTLAND HYDRO	Generator	8505	Northern New England	VT	VT	Existing	0.556	0.556	0.556	0.556	1.471	1.471	1.471	1.471	1.471	1.471	1.471	
11408	HULL WIND TURBINE II	Generator	8506	Southeast New England	MA	SEMA	Existing	0.058	0.058	0.058	0.058	0.254	0.254	0.254	0.254	0.254	0.254	0.254	
11424	RUMFORD FALLS	Generator	8503	Maine	ME	ME	Existing	25.359	25.359	25.359	25.359	32.079	32.079	32.079	32.079	32.079	32.079	32.079	
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	0.123	0.123	0.123	0	0	0	0	0	0	0	0	
12108	FIEC DIESEL	Generator	8503	Maine	ME	ME	Existing	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	
12180	BERKSHIRE COW POWER	Generator	8505	Northern New England	VT	VT	Existing	0.266	0.266	0.266	0.266	0.309	0.309	0.309	0.309	0.309	0.309	0.309	
12274	GREEN MOUNTAIN DAIRY	Generator	8505	Northern New England	VT	VT	Existing	0.211	0.211	0.211	0.211	0.219	0.219	0.219	0.219	0.219	0.219	0.219	
12323	COVENTRY ENERGY #4	Generator	8505	Northern New England	VT	VT	Existing	2.625	2.625	2.625	2.625	2.672	2.672	2.672	2.672	2.672	2.672	2.672	
12450	NYPA - CMR	Import	8500	Rest-of-Pool				68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	
12451	NYPA - VT	Import	8500	Rest-of-Pool				14	14	14	14	14	14	14	14	14	14	14	
12500	Thomas A. Watson	Generator	8506	Southeast New England	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	8505	Northern New England	NH	NH	Existing	2	2	2	2	2	2	2	2	2	2	2	
12510	Swanton Gas Turbine 1	Generator	8505	Northern New England	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	8505	Northern New England	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	8505	Northern New England	VT	VT	Existing	3.279	3.279	3.279	3.279	4.231	4.231	4.231	4.231	4.231	4.231	4.231	
12551	Kibby Wind Power	Generator	8503	Maine	ME	ME	Existing	15.104	15.104	15.104	15.104	30.65	30.65	30.65	30.65	30.65	30.65	30.65	
12564	Waterbury Generation Facility	Generator	8500	Rest-of-Pool	CT	CT	Existing	94.895	94.895	94.895	94.895	94.895	94.895	94.895	94.895	94.895	94.895	94.895	
12581	CL&P - Conservation & Load Management (CL&L) Demand	Demand	8500	Rest-of-Pool	CT	CT	Existing	491.32	491.32	491.32	491.32	491.32	491.32	491.32	491.32	491.32	491.32	491.32	
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	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	
12586	Efficiency Maine Residential Efficient Products	Demand	8503	Maine	ME	ME	Existing	4.231	4.231	4.231	4.231	0	0	0	0	0	0	0	
12590	Ameresco CT DSM	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.089	3.089	3.089	3.089	3.089	3.089	3.089	3.089	3.089	3.089	3.089	
12591	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	2.715	2.715	2.715	2.715	2.715	2.715	2.715	2.715	2.715	2.715	2.715	
12600	UI Conservation and Load Management Program	Demand	8500</																

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
12684	NSTAR EE NEMA	Demand	8506	Southeast New England	MA	NEMA	Existing	496.392	496.392	496.392	496.392	496.392	496.392	496.392	496.392	496.392	496.392	496.392	
12685	NSTAR EE SEMA	Demand	8506	Southeast New England	MA	SEMA	Existing	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	
12693	PSNH CORE Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	Existing	92.423	92.423	92.423	92.423	92.423	92.423	92.423	92.423	92.423	92.423	92.423	
12694	Acushnet Company - Ball Plant II - Combined Heat	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	8505	Northern New England	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	51.285	51.285	51.285	51.285	51.285	51.285	51.285	49.372	49.372	51.285	51.285	
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 New England	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	0.517	0.517	0.517	0.517	0.517	0.517	0.517	0.517	0.517	0.517	0.517	
12757	NHEC Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	Existing	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534	
12779	CPLN CT On-Peak	Demand	8500	Rest-of-Pool	CT	CT	Existing	2.031	2.031	2.031	2.031	2.031	2.031	2.031	2.031	2.031	2.031	2.031	
12786	CSG Aggregation of DG and 24 hr lighting EE - NEN	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 - SEN	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 - WCI	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106	2.106	
12801	UES CORE Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	Existing	7.844	7.844	7.844	7.844	7.844	7.844	7.844	7.844	7.844	7.844	7.844	
12802	University of Massachusetts Central Heating Plant	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 (CLM)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	
12822	Burlington Electric Department - On-Peak Efficient	Demand	8505	Northern New England	VT	VT	Existing	6.4	6.4	6.4	6.4	6.4	6.4	5.913	5.913	5.913	6.4	6.4	
12832	CPLN MA NEMA OP	Demand	8506	Southeast New England	MA	NEMA	Existing	8.721	8.721	8.721	8.721	8.721	8.721	8.721	8.721	8.721	8.721	8.721	
12835	CPLN MA SEMA OP	Demand	8506	Southeast New England	MA	SEMA	Existing	3.848	3.848	3.848	3.848	3.848	3.848	3.848	3.848	3.848	3.848	3.848	
12838	CPLN MA WC OP	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	8.139	8.139	8.139	8.139	8.139	8.139	8.139	8.139	8.139	8.139	8.139	
12843	CPLN RI OP	Demand	8506	Southeast New England	RI	RI	Existing	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	
12845	Vermont Efficiency Portfolio-1	Demand	8505	Northern New England	VT	VT	Existing	105.524	105.524	105.524	105.524	105.524	105.524	105.524	105.524	105.524	105.524	105.524	
13669	Manchester Methane LLC East Windsor Facility	Generator	8500	Rest-of-Pool	CT	CT	Existing	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	
13673	MATEP (DIESEL)	Generator	8506	Southeast New England	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	
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	8503	Maine	ME	ME	Existing	47.223	47.223	47.223	47.223	47.223	47.223	47.223	47.223	47.223	47.223	47.223	
13704	Verso VCG2	Generator	8503	Maine	ME	ME	Existing	44.314	44.314	44.314	44.314	44.314	44.314	44.314	44.314	44.314	44.314	44.314	
13705	Verso VCG3	Generator	8503	Maine	ME	ME	Existing	41.799	41.799	41.799	41.799	41.799	41.799	41.799	41.799	41.799	41.799	41.799	
13975	Corrieville Hydroelectric LLC	Generator	8503	Maine	ME	ME	Existing	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
14087	MAT3	Generator	8506	Southeast New England	MA	NEMA	Existing	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	
14217	NORTHFIELD MOUNTAIN 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14218	NORTHFIELD MOUNTAIN 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14219	NORTHFIELD MOUNTAIN 3	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14220	NORTHFIELD MOUNTAIN 4	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	292	292	292	292	292	292	292	292	292	292	292	
14271	Ameresco Northampton	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
14595	Granite Reliable Power	Generator	8505	Northern New England	NH	NH	Existing	13.222	13.222	13.222	13.222	13.222	13.222	13.222	13.222	13.222	13.222	13.222	
14599	Rhode Island LGF Genco, LLC - ST	Generator	8506	Southeast New England	RI	RI	Existing	25.81	25.81	25.81	25.81	25.81	25.81	25.81	25.81	25.81	25.81	25.81	
14610	Princeton Wind Farm Project	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	
14614	Kleen Energy	Generator	8500	Rest-of-Pool	CT	CT	Existing	620	620	620	620	620	620	620	620	620	620	620	
14623	Valley Hydro (Station No. 5)	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	
14652	Templeton Wind Turbine	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	
14660	Lempster Wind	Generator	8505	Northern New England	NH	NH	Existing	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582	
14661	Berkshire Wind Power Project	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.613	1.613	1.613	1.613	1.613	1.613	1.613	1.613	1.613	1.613	1.613	
14663	WMRE Crossroads	Generator	8503	Maine	ME	ME	Existing	2.806	2.806	2.806	2.806	2.806	2.806	2.806	2.806	2.806	2.806	2.806	
14665	Record Hill Wind	Generator	8503	Maine	ME	ME	Existing	5.463	5.463	5.463	5.463	5.463	5.463	5.463	12.11	12.11	12.11	12.11	
14706	Kimberly-Clark Corp Energy Independence Project	Generator	8500	Rest-of-Pool	CT	CT	Existing	13.063	13.063	13.063	13.063	13.063	13.063	13.063	13.063	13.063	13.063	13.063	
15415	Dartmouth Power Expansion	Generator	8506	Southeast New England	MA	SEMA	Existing	19.578	19.578	19.578	19.578	19.578	19.578	19.578	19.578	19.578	19.578	19.578	
15477	New Haven Harbor Units 2, 3, & 4	Generator	8500	Rest-of-Pool	CT	CT	Existing	128.955	128.955	128.955	128.955	128.955	128.955	128.955	128.955	128.955	128.955	128.955	
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	8503	Maine	ME	ME	Existing	3.694	3.694	3.694	3.694	3.694	3.694	3.694	5.422	5.422	5.422	5.422	
16523	Stillwater	Generator	8503	Maine	ME	ME	Existing	1.324	1.324	1.324	1.324	1.324	1.324	1.324	1.153	1.153	1.153	1.153	
16525	Medway	Generator	8503	Maine	ME	ME	Existing	3.383	3.383	3.383	3.383	3.383	3.383	3.383	2.869	2.869	2.869	2.869	
16547	UI C&LM Programs	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.505	3.505	3.505	3.505	3.505	3.505	3.505	3.505	3.505	3.505	3.505	
16631	Victory Road Dorchester PV	Generator	8506	Southeast New England	MA	NEMA	Existing	0.316	0.316	0.316	0.316	0.316	0.316	0.316	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 New England	MA	NEMA	Existing	0.168	0.168	0.168	0.168	0	0	0	0	0	0	0	
16644	Main Street Whitinsville PV	Generator	8506	Southeast 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	8503	Maine	ME	ME	Existing	28.207	28.207	28.207	28.207	28.207	28.207	28.207	0	0	0	0	
16653</td																			

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
38380	Treasure Valley- SE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	2.07	2.07	2.07	2.07	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	0.53	0	0	0	0	0	0	0	0
38387	CSG Aggregation of DG and 24 hr lighting EE - NEN	Demand	8506	Southeast New England	MA	NEMA	Existing	16.592	16.592	16.592	16.592	16.592	16.592	16.592	16.592	16.592	16.592	16.592	
38388	CSG Aggregation of DG and 24 hr lighting EE - SEN	Demand	8506	Southeast New England	MA	SEMA	Existing	4.549	4.549	4.549	4.549	4.549	4.549	4.549	4.549	4.549	4.549	4.549	
38389	CSG Aggregation of DG and 24 hr lighting EE - WC	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	6.669	6.669	6.669	6.669	6.669	6.669	6.669	6.669	6.669	6.669	6.669	
38390	Efficiency Maine Trust FCA9	Demand	8503	Maine	ME	ME	Existing	0	0	0	0	0	0	0	0	0	0	0	
38393	RTDR_5132S Maine (7505)	Demand	8503	Maine	ME	ME	Existing	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
38421	Jericho Power	Generator	8505	Northern New England	NH	NH	Existing	0.935	0.935	0.935	0.935	2.95	2.95	2.95	2.95	2.95	2.95	2.95	
38437	Ipswich Wind II	Generator	8506	Southeast New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	
38438	Deerfield Wind Project	Generator	8505	Northern New England	VT	VT	Existing	8.1	8.1	8.1	8.1	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	Existing	1.539	1.539	1.539	1.539	0	0	0	0	0	0	0	
38441	UI RCP BGPT FC	Generator	8500	Rest-of-Pool	CT	CT	Existing	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	Existing	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	
38447	Boston_PeakDR	Demand	8506	Southeast New England	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	
38468	Norfolk-Walpole Co-Gen	Demand	8506	Southeast New England	MA	SEMA	Existing	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	Existing	3.942	3.942	3.942	3.942	10.412	10.412	10.412	10.412	10.412	10.412	10.412	
38480	Hubbardston SE	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.295	1.295	1.295	1.295	0	0	0	0	0	0	0	
38483	Ngrid SEMA CHP	Demand	8506	Southeast New England	MA	SEMA	Existing	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	1.692	
38494	24 Boutiller Rd Leicester PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.248	0.248	0.248	0	0	0	0	0	0	0	0	
38495	Deepwater Wind Block Island	Generator	8506	Southeast New England	RI	RI	Existing	5.71	5.71	5.71	5.71	14.1	14.1	14.1	14.1	14.1	14.1	14.1	
38500	Mass Mid-State Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	6.765	6.765	6.765	6.765	0	0	0	0	0	0	0	
38510	City of Gardner - Mill St. Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.385	0.385	0.385	0.385	0	0	0	0	0	0	0	
38527	Grafton WD	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.666	0.666	0.666	0.666	0	0	0	0	0	0	0	
38528	29 Oxford Rd Charlton PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.19	0.19	0.19	0.19	0	0	0	0	0	0	0	
38530	Mattapoisett 2	Generator	8506	Southeast New England	MA	SEMA	Existing	0.263	0.263	0.263	0.263	0	0	0	0	0	0	0	
38531	Mattapoisett 1	Generator	8506	Southeast New England	MA	SEMA	Existing	0.284	0.284	0.284	0.284	0	0	0	0	0	0	0	
38532	Leominster-South St.	Generator	8506	Southeast New England	MA	NEMA	Existing	1.324	1.324	1.324	1.324	0	0	0	0	0	0	0	
38533	Berlin 1	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.328	0.328	0.328	0.328	0	0	0	0	0	0	0	
38534	Millbury Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.457	1.457	1.457	1.457	0	0	0	0	0	0	0	
38538	Groton Road Shirley PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.197	0.197	0.197	0.197	0	0	0	0	0	0	0	
38539	40 Auburn Rd Millbury PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.142	0.142	0.142	0.142	0	0	0	0	0	0	0	
38543	Carpenter Hill Rd Charlton PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	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	Existing	0.235	0.235	0.235	0.235	0	0	0	0	0	0	0	
38545	90 River Rd Sturbridge PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.318	0.318	0.318	0.318	0	0	0	0	0	0	0	
38548	Fall River- Commerce	Generator	8506	Southeast New England	MA	SEMA	Existing	0.512	0.512	0.512	0.512	0	0	0	0	0	0	0	
38551	Faill River - Innovation	Generator	8506	Southeast New England	MA	SEMA	Existing	1.476	1.476	1.476	1.476	0	0	0	0	0	0	0	
38553	Antrim Wind Resource	Generator	8505	Northern New England	NH	NH	Existing	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	Existing	0.311	0.311	0.311	0.311	0	0	0	0	0	0	0	
38556	Berlin 3	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.308	0.308	0.308	0.308	0	0	0	0	0	0	0	
38558	Fall River- Uxbridge	Generator	8506	Southeast New England	MA	SEMA	Existing	1.447	1.447	1.447	1.447	0	0	0	0	0	0	0	
38559	Berlin 4	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	
38560	Grafton	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.845	0.845	0.845	0.845	0	0	0	0	0	0	0	
38561	True North	Generator	8506	Southeast New England	MA	NEMA	Existing	2.042	2.042	2.042	2.042	0	0	0	0	0	0	0	
38562	Franklin 1	Generator	8506	Southeast New England	MA	SEMA	Existing	1.41	1.41	1.41	1.41	0	0	0	0	0	0	0	
38565	Franklin 2	Generator	8506	Southeast New England	MA	SEMA	Existing	1.988	1.988	1.988	1.988	0	0	0	0	0	0	0	
38567	Billerica	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.527	1.527	1.527	1.527	0	0	0	0	0	0	0	
38574	Route 57	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.726	0.726	0.726	0.726	0	0	0	0	0	0	0	
38575	Agawam Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.686	0.686	0.686	0.686	0	0	0	0	0	0	0	
38576	Whately	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.617	0.617	0.617	0.617	0	0	0	0	0	0	0	
38577	Holiday Hill Community Wind	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.784	0.784	0.784	0.784	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
38579	Rehoboth	Generator	8506	Southeast New England	MA	SEMA	Existing	1.027	1.027	1.027	1.027	0	0	0	0	0	0	0	
38580	Amesbury	Generator	8506	Southeast New England	MA	NEMA	Existing	2.312	2.312	2.312	2.312	0	0	0	0	0	0	0	
38581	Tyngsborough	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.283	1.283	1.283	1.283	0	0	0	0	0	0	0	
38582	Norton MA	Generator	8506	Southeast New England	MA	SEMA	Existing	0.54	0.54	0.54	0.54	0	0	0	0	0	0	0	
38583	Agawam II	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.804	0.804	0.804	0.804	0	0	0	0	0	0	0	
38584	Bridgewater	Generator	8506	Southeast New England	MA	SEMA	Existing	0.462	0.462	0.462	0.462	0	0	0	0	0	0	0	
38655	Barrett Distribution - Franklin Solar	Generator	8506	Southeast New England	MA	SEMA	Existing	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0	
38657	Heliovaas - Acton Solar	Generator	8506	Southeast New England	MA	NEMA	Existing	0.494	0.494	0.494	0.494	0	0	0	0	0	0	0	
38661	Heliovaas - Sudbury Solar	Generator	8506	Southeast New England	MA	NEMA	Existing	0.524	0.524	0.524	0.524	0	0	0	0	0	0	0	
38663	Killingly Energy Center	Generator	8500	Rest-of-Pool	CT	CT	Existing	631.955	631.955	631.955	631.955	631.955	631.955	631.955	631.955	631.955	631.955	631.955	
38669	Future Gen Wind	Generator	8506	Southeast New England	MA	SEMA	Existing	1.526	1.526	1.526	1.526	2.014	2.014	2.014	2.014	2.014	2.014	2.014	
38684	Bloom Energy SOFC	Demand	8506	Southeast New England	MA	NEMA	Existing	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	
38689	Bloom Energy CT SOFC	Demand	8500	Rest-of-Pool	CT	CT	Existing	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	
38692	MMWEC Simple Cycle Gas Turbine	Generator	8506	Southeast New England	MA	NEMA	Existing	57.967	57.967	57.967	57.967	57.967	57.967	57.967	57.967	57.967	57.967	57.967	
38694	RTDR_Maine	Demand	8503	Maine	ME	ME	Existing	2.798	2.798	2.798	2.798	2.798	2.798	2.798	2.798	2.798	2.798	2.798	
38696	Blossom Rd 1 Fall River PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.414	0.414	0.414	0.414	0	0	0	0	0	0	0	
38698	Blossom Rd 2 Fall River PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.417	0.417	0.417	0.417	0	0	0	0	0	0	0	
38699	Groveland St Abington PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.39	0.39	0.39	0.39	0	0	0	0	0	0	0	
38700	Stafford St Leicester PV 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.228	0.228	0.228	0.228	0	0	0	0	0	0	0	
38701	Onset East	Generator	8506	Southeast New England	MA	SEMA	Existing	0.455	0.455	0.455	0.455								

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
38702	Onset West	Generator	8506	Southeast New England	MA	SEMA	Existing	0.449	0.449	0.449	0.449	0	0	0	0	0	0	0	0
38704	Richardson Ave Attleboro PV 2	Generator	8506	Southeast New England	MA	SEMA	Existing	0.418	0.418	0.418	0.418	0	0	0	0	0	0	0	0
38706	Old Upton Rd Grafton PV 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.228	0.228	0.228	0.228	0	0	0	0	0	0	0	0
38707	Main St Dighton PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.265	0.265	0.265	0.265	0	0	0	0	0	0	0	0
38708	Groton School Rd Ayer PV 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.359	0.359	0.359	0.359	0	0	0	0	0	0	0	0
38709	Frank Mossberg Dr Attleboro PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.18	0.18	0.18	0.18	0	0	0	0	0	0	0	0
38738	Canton Mountain Wind Project	Generator	8503	Maine	ME	ME	Existing	3.6	3.6	3.6	3.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3
38757	WOODBRIDGE FUEL CELL	Generator	8500	Rest-of-Pool	CT	CT	Existing	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
38758	CT Small Gen	Demand	8500	Rest-of-Pool	CT	CT	Existing	1.944	1.944	1.944	1.944	1.944	1.944	1.944	1.944	1.944	1.944	1.944	1.944
38760	Norwich WWF	Generator	8500	Rest-of-Pool	CT	CT	Existing	2	2	2	2	2	2	2	2	2	2	2	2
38787	CT On-Peak Solar	Demand	8500	Rest-of-Pool	CT	CT	Existing	33.059	33.059	33.059	33.059	33.059	33.059	33.059	33.059	33.059	33.059	33.059	
38795	Hadley 2	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.621	0.621	0.621	0.621	0	0	0	0	0	0	0	0
38800	DRCR_Western MA_2016	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	14	14	14	14	14	14	14	14	14	14	14	14
38803	DRCR_Springfield MA_2016	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	7.805	7.805	7.805	7.805	7.805	7.805	7.805	7.805	7.805	7.805	7.805	
38813	DRCR_New Hampshire_2016	Demand	8505	Northern New England	NH	NH	Existing	14.394	14.394	14.394	14.394	14.394	14.394	14.394	14.394	14.394	14.394	14.394	
38815	Hubbardston PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.884	0.884	0.884	0.884	0	0	0	0	0	0	0	0
38823	Coolidge Solar	Generator	8505	Northern New England	VT	VT	Existing	6.85	6.85	6.85	6.85	0	0	0	0	0	0	0	0
38831	Montague Site 36-Grosolar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.28	1.28	1.28	1.28	0	0	0	0	0	0	0	0
38833	DGSC PV405_208 Jacome Way_Middletown	Generator	8506	Southeast New England	RI	RI	Existing	0.101	0.101	0.101	0.101	0	0	0	0	0	0	0	0
38834	DGSC PV1666_179 Plain Meeting House Rd_West	Generator	8506	Southeast New England	RI	RI	Existing	0.828	0.828	0.828	0.828	0	0	0	0	0	0	0	0
38835	Lee Site 31-Conti PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.375	0.375	0.375	0.375	0	0	0	0	0	0	0	0
38836	Pittsfield 44-M&W PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.197	0.197	0.197	0.197	0	0	0	0	0	0	0	0
38840	Maple EE CT 1718	Demand	8500	Rest-of-Pool	CT	CT	Existing	2.378	2.378	2.378	2.378	2.378	2.378	2.378	2.378	2.378	2.378	2.378	2.378
38841	Syncharpa Freetown	Generator	8506	Southeast New England	MA	SEMA	Existing	1.5	1.5	1.5	1.5	0	0	0	0	0	0	0	0
38842	DGSC PV3000_Forges St Landfill_East Providence	Generator	8506	Southeast New England	RI	RI	Existing	1.348	1.348	1.348	1.348	0	0	0	0	0	0	0	0
38843	DGSC PV2000_338 Compass Circle_North Kingst	Generator	8506	Southeast New England	RI	RI	Existing	0.838	0.838	0.838	0.838	0	0	0	0	0	0	0	0
38853	DGSC PV400_1_Ralco Way_Cumberland	Generator	8506	Southeast New England	RI	RI	Existing	0.201	0.201	0.201	0.201	0	0	0	0	0	0	0	0
38855	DGSC PV500_1060 West Main Rd_Portsmouth	Generator	8506	Southeast New England	RI	RI	Existing	0.132	0.132	0.132	0.132	0	0	0	0	0	0	0	0
38858	DGSC PV1225_100 Dupont Dr_Providence	Generator	8506	Southeast New England	RI	RI	Existing	0.524	0.524	0.524	0.524	0	0	0	0	0	0	0	0
38860	DGSC PV450_0 Martin St_Cumberland	Generator	8506	Southeast New England	RI	RI	Existing	0.187	0.187	0.187	0.187	0	0	0	0	0	0	0	0
38861	DGSC PV225_225 Dupont Dr_Providence	Generator	8506	Southeast New England	RI	RI	Existing	0.118	0.118	0.118	0.118	0	0	0	0	0	0	0	0
38862	DGSC PV450_35 Martin St_Cumberland	Generator	8506	Southeast New England	RI	RI	Existing	0.19	0.19	0.19	0.19	0	0	0	0	0	0	0	0
38863	Syncharpa Lexington	Generator	8506	Southeast New England	MA	NEMA	Existing	0.71	0.71	0.71	0.71	0	0	0	0	0	0	0	0
38864	DGSC PV250_65 All American Way_North Kingst	Generator	8506	Southeast New England	RI	RI	Existing	0.117	0.117	0.117	0.117	0	0	0	0	0	0	0	0
38865	DGSC PV850_582 Great Rd_North Smithfield	Generator	8506	Southeast New England	RI	RI	Existing	0.41	0.41	0.41	0.41	0	0	0	0	0	0	0	0
38868	DGSC PV1375_101 Peck Hill_Johnston	Generator	8506	Southeast New England	RI	RI	Existing	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
38869	DGSC PV499_76 Silson Rd_Richmond	Generator	8506	Southeast New England	RI	RI	Existing	0.194	0.194	0.194	0.194	0	0	0	0	0	0	0	0
38879	CT - RW	Demand	8500	Rest-of-Pool	CT	CT	Existing	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88
38881	DGSC PV495_1720 Davilsive Rd_North Kingst	Generator	8506	Southeast New England	RI	RI	Existing	0.198	0.198	0.198	0.198	0	0	0	0	0	0	0	0
38883	DGSC PV1720_1730 Theodore Foster Rd_Foster	Generator	8506	Southeast New England	RI	RI	Existing	0.438	0.438	0.438	0.438	0	0	0	0	0	0	0	0
38884	DGSC PV912_260 South County Trail_Exeter	Generator	8506	Southeast New England	RI	RI	Existing	0.44	0.44	0.44	0.44	0	0	0	0	0	0	0	0
38885	DGSC PV1000_90 Tift Rd_North Smithfield	Generator	8506	Southeast New England	RI	RI	Existing	0.454	0.454	0.454	0.454	0	0	0	0	0	0	0	0
38888	Patterson Rd 1 Shirley PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.432	0.432	0.432	0.432	0	0	0	0	0	0	0	0
38889	Patterson Rd 2 Shirley PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.229	0.229	0.229	0.229	0	0	0	0	0	0	0	0
38904	NEMA DG	Demand	8506	Southeast New England	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	1.62
38905	Connecticut DG	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.402	3.402	3.402	3.402	3.402	3.402	3.402	3.402	3.402	3.402	3.402	3.402
38927	MAPLE EE ME 1718	Demand	8503	Maine	ME	ME	Existing	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532
38928	MAPLE EE NEMA 1718	Demand	8506	Southeast New England	MA	NEMA	Existing	1.683	1.683	1.683	1.683	1.683	1.683	1.683	1.683	1.683	1.683	1.683	1.683
38929	MAPLE EE NH 1718	Demand	8505	Northern New England	NH	NH	Existing	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644
38931	MAPLE EE RI 1718	Demand	8506	Southeast New England	RI	RI	Existing	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541
38932	MAPLE EE VT 1718	Demand	8505	Northern New England	VT	VT	Existing	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
38933	MAPLE EE WCMA 1718	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
38934	MAPLE EE SEMA 1718	Demand	8506	Southeast New England	MA	SEMA	Existing	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172
38943	Athens Energy LLC 1	Generator	8503	Maine	ME	ME	Existing	7	7	7	7	7	7	7	7	7	7	7	7
38944	Barre I	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.667	0.667	0.667	0.667	0	0	0	0	0	0	0	0
38945	Gill	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.147	1.147	1.147	1.147	0	0	0	0	0	0	0	0
38955	CentralIMA DR	Demand	8506	Southeast New England	MA	SEMA	Existing	3.132	3.132	3.132	3.132	3.132	3.132	3.132	3.132	3.132	3.132	3.132	3.132
38957	SEMA DR	Demand	8506	Southeast New England	MA	SEMA	Existing	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
38961	Fitchburg Solar, LLC	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.215	0.215	0.215	0.215	0	0	0	0	0	0	0	0
38962	Ashby 1 Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.374	0.374	0.374	0.374	0	0	0	0	0	0	0	0
38963	Ashby 2 Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.422	0.422	0.422	0.422	0	0	0	0	0	0	0	0
38964	NorthernCT_DRCR	Demand	8500	Rest-of-Pool	CT	CT	Existing	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
38968	DR_WesternCT	Demand	8500	Rest-of-Pool	CT	CT	Existing	17.079	17.079	17.079	17.079	17.079	17.079	17.079	17.079	17.079	17.079	17.079	17.079
38969	CPLN ME Solar OP	Demand	8503	Maine	ME	ME	Existing	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	0	0	0	0
38970	Barre II	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.665	0.665	0.665	0.665	0	0	0	0	0	0	0	0
38971	Seacoast 12	Demand	8505	Northern New England	NH	NH	Existing	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38972	CPLN MA NEMA Solar OP	Demand	8506	Southeast New England	MA	NEMA	Existing	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0	0	0	0.725
38973	Partners Healthcare Sandwich	Generator	8506	Southeast New England	MA	SEMA	Existing	0.301	0.301	0.301	0.301	0	0	0	0	0	0	0	0
38974	CPLN RI Solar OP	Demand	8506	Southeast New England	RI	RI	Existing	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	0	0	0	0.229
40094	SEMA Solar DG	Demand	8506	Southeast New England	MA	SEMA	Existing	5.026	5.026	5.026	5.026	5.026	5.026	5.026	5.026	0	0	0	5.026

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
40595	Southwick	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.605	1.605	1.605	0	0	0	0	0	0	0	0	0
40596	CPLN MA WC Solar OP	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	7.174	7.174	7.174	7.174	7.174	0	0	0	0	0	7.174	7.174
40597	DRCR_Northwest VT_2017	Demand	8505	Northern New England	VT	VT	Existing	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323
40602	DRCR_Vermont	Demand	8505	Northern New England	VT	VT	Existing	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
40613	Fusion Solar Center LLC	Generator	8500	Rest-of-Pool	CT	CT	Existing	7.44	7.44	7.44	7.44	0	0	0	0	0	0	0	0
40615	Hatfield Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.63	0.63	0.63	0.63	0	0	0	0	0	0	0	0
40616	Pawcatuck Solar Center	Generator	8500	Rest-of-Pool	CT	CT	Existing	9	9	9	9	0	0	0	0	0	0	0	0
40617	Sunderland PV_Solar	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.175	0.175	0.175	0.175	0	0	0	0	0	0	0	0
40618	Greenfield Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.376	0.376	0.376	0.376	0	0	0	0	0	0	0	0
40619	Southampton Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.347	0.347	0.347	0.347	0	0	0	0	0	0	0	0
40620	Savoy Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.359	0.359	0.359	0.359	0	0	0	0	0	0	0	0
40621	Hampden Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.59	0.59	0.59	0.59	0	0	0	0	0	0	0	0
40622	Springfield Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.712	0.712	0.712	0	0	0	0	0	0	0	0	0
40623	East Longmeadow Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.842	0.842	0.842	0	0	0	0	0	0	0	0	0
40624	East Springfield Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.261	0.261	0.261	0	0	0	0	0	0	0	0	0
40625	Ludlow Site 2 - Conti	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.264	0.264	0.264	0	0	0	0	0	0	0	0	0
40626	Plymouth Solar PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.229	0.229	0.229	0.229	0	0	0	0	0	0	0	0
40627	New Bedford Solar PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.169	0.169	0.169	0.169	0	0	0	0	0	0	0	0
40629	Wareham Solar PV	Generator	8506	Southeast New England	MA	SEMA	Existing	0.553	0.553	0.553	0.553	0	0	0	0	0	0	0	0
40630	Hinsdale Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.365	0.365	0.365	0	0	0	0	0	0	0	0	0
40631	Southwick Solar PV	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.823	0.823	0.823	0	0	0	0	0	0	0	0	0
40632	RI_23_DGSC_PV_200 Frenchtown Rd_North Kings	Generator	8506	Southeast New England	RI	RI	Existing	0.342	0.342	0.342	0	0	0	0	0	0	0	0	0
40653	Madison BESS	Generator	8503	Maine	ME	ME	Existing	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99
40654	RI_29 RE Growth PV_44 Bank St_Hopkinton	Generator	8506	Southeast New England	RI	RI	Existing	0.14	0.14	0.14	0	0	0	0	0	0	0	0	0
40655	RI_33 RE Growth PV_200 Frenchtown Rd_North	Generator	8506	Southeast New England	RI	RI	Existing	0.264	0.264	0.264	0	0	0	0	0	0	0	0	0
40656	RI_34 RE Growth PV_0 Danielson Pike_Providend	Generator	8506	Southeast New England	RI	RI	Existing	0.702	0.702	0.702	0	0	0	0	0	0	0	0	0
40658	Vineyard Wind	Generator	8506	Southeast New England	MA	SEMA	Existing	53.805	53.805	53.805	53.805	82.383	82.383	82.383	82.383	82.383	82.383	82.383	
40659	RI_36 RE Growth PV_540 Nooseneck Hill Rd_Exel	Generator	8506	Southeast New England	RI	RI	Existing	0.377	0.377	0.377	0	0	0	0	0	0	0	0	0
40664	Syncarpha Massachusetts	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.67	0.67	0.67	0.67	0	0	0	0	0	0	0	0
40667	RI_42 RE Growth PV_320 Compass Circle_North	Generator	8506	Southeast New England	RI	RI	Existing	0.464	0.464	0.464	0.464	0	0	0	0	0	0	0	0
40675	RI_50 RE Growth PV_722 Main St_Hopkinton	Generator	8506	Southeast New England	RI	RI	Existing	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
40676	RI_52 RE Growth PV_139 Heaton Orchard Rd_Rid	Generator	8506	Southeast New England	RI	RI	Existing	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
40698	Syncarpha North Adams	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1	1	1	1	0	0	0	0	0	0	0	0
40700	Syncarpha Bondsville	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.36	1.36	1.36	1.36	0	0	0	0	0	0	0	0
40732	Three Corners Solar	Generator	8503	Maine	ME	ME	Existing	77.1	77.1	77.1	77.1	0	0	0	0	0	0	0	0
40736	Syncarpha Billerica	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	1.6	1.6	1.6	1.6	0	0	0	0	0	0	0	0
40744	RI_43 RE Growth PV_582 Great Rd_North Smithf	Generator	8506	Southeast New England	RI	RI	Existing	0.177	0.177	0.177	0.177	0	0	0	0	0	0	0	0
40746	Syncarpha Hancock I	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0	0
40749	Syncarpha Hancock II	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0	0
40751	Syncarpha Hancock III	Generator	8500	Rest-of-Pool	MA	WCMA	Existing	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0	0
40765	CVEC EDGARTOWN - 1886	Generator	8506	Southeast New England	MA	SEMA	Existing	0.45	0.45	0.45	0.45	0	0	0	0	0	0	0	0
40766	CVEC BARNSTABLE FIRE 2423	Generator	8506	Southeast New England	MA	SEMA	Existing	0.138	0.138	0.138	0.138	0	0	0	0	0	0	0	0
40767	CVEC DY HIGH SCHOOL 2175 2173	Generator	8506	Southeast New England	MA	SEMA	Existing	0.229	0.229	0.229	0.229	0	0	0	0	0	0	0	0
40768	CVEC EASTHAM 1915	Generator	8506	Southeast New England	MA	SEMA	Existing	0.116	0.116	0.116	0.116	0	0	0	0	0	0	0	0
40769	CVEC MARGUERITE SMALL SCHOOL 2168	Generator	8506	Southeast New England	MA	SEMA	Existing	0.24	0.24	0.24	0	0	0	0	0	0	0	0	0
40770	CVEC MARSTON MILLS 1964 1965	Generator	8506	Southeast New England	MA	SEMA	Existing	1.172	1.172	1.172	1.172	0	0	0	0	0	0	0	0
40771	CVEC WEST TIBURY 2189	Generator	8506	Southeast New England	MA	SEMA	Existing	0.206	0.206	0.206	0.206	0	0	0	0	0	0	0	0
40772	CVEC VINEYARD HAVEN 1923	Generator	8506	Southeast New England	MA	SEMA	Existing	0.193	0.193	0.193	0.193	0	0	0	0	0	0	0	0
40773	CVEC ORLEANS 2217	Generator	8506	Southeast New England	MA	SEMA	Existing	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
40774	CVEC HYANNIS 2181	Generator	8506	Southeast New England	MA	SEMA	Existing	2.144	2.144	2.144	2.144	0	0	0	0	0	0	0	0
40775	CVEC CHATHAM 1911	Generator	8506	Southeast New England	MA	SEMA	Existing	0.598	0.598	0.598	0.598	0	0	0	0	0	0	0	0
40776	CVEC BREWSTER 1912	Generator	8506	Southeast New England	MA	SEMA	Existing	0.334	0.334	0.334	0.334	0	0	0	0	0	0	0	0
40777	CVEC HARWICH - 1913	Generator	8506	Southeast New England	MA	SEMA	Existing	1.559	1.559	1.559	1.559	0	0	0	0	0	0	0	0
40778	CVEC EDGARTOWN - 1887	Generator	8506	Southeast New England	MA	SEMA	Existing	0.332	0.332	0.332	0.332	0	0	0	0	0	0	0	0
40779	Springfield DR	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
40783	CT RESI On-Peak	Demand	8500	Rest-of-Pool	CT	CT	Existing	22.356	22.356	22.356	22.356	22.356	22.356	22.356	0	0	0	22.356	22.356
40785	Vermont Solar On-Peak	Demand	8505	Northern New England	VT	VT	Existing	1.188	1.188	1.188	1.188	0	0	0	0	0	0	1.188	1.188
40786	Cambridge Park Solar	Generator	8506	Southeast New England	MA	NEMA	Existing	0.186	0.186	0.186	0.186	0	0	0	0	0	0	0	0
40789	Maxwell Green Solar	Generator	8506	Southeast New England	MA	NEMA	Existing	0.104	0.104	0.104	0.104	0	0	0	0	0	0	0	0
40797	Holliston Field 2	Generator	8506	Southeast New England	MA	SEMA	Existing	0.12	0.12	0.12	0.12	0	0	0	0	0	0	0	0
40804	NH-LR	Demand	8505	Northern New England	NH	NH	Existing	0	0	0	0	0	0	0	0	0	0	0	0
40809	SR Aggregation VT 2	Demand	8505	Northern New England	VT	VT	Existing	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
40811	SR Aggregation NH 4	Demand	8505	Northern New England	NH	NH	Existing	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
40815	SR Aggregation MA 11	Demand	8506	Southeast New England	MA	NEMA	Existing	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
40817	SR Aggregation MA 13	Demand	8506	Southeast New England	MA	SEMA	Existing	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
40822	SR Aggregation RI 19	Demand	8506	Southeast New England	RI	RI	Existing	1	1	1	1	1	1	1	1	1	1	1	1
40837	ADCR_113189_Boston (7507)	Demand	8506	Southeast New England	MA	NEMA	Existing	19.923	19.923	19.923	19.923	19.923	19.923	19.923	19.923	19.923	19.923	19.923	
40838	ADCR_122708_Boston (7507)	Demand	8506	Southeast New England	MA	NEMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
40839	ADCR_122708_North Shore (7508)	Demand	8506	Southeast New England	MA	SEMA	Existing	1.944	1.944	1.944	1.944</td								

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
40842	ADCR_122708_Western MA (7517)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0	0	0	0	0	0	0	0	0	0	0	0
40843	ADCR_51405_Boston (7507)	Demand	8506	Southeast New England	MA	NEMA	Existing	11.891	11.891	11.891	11.891	11.891	11.891	11.891	11.891	11.891	11.891	11.891	
40844	ADCR_51405_Western CT (7503)	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	0
40845	ADCR_51405_Western MA (7517)	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	
40846	ADCR_87147_Bangor Hydro (7504)	Demand	8503	Maine	ME	ME	Existing	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	
40847	ADCR_87147_Boston (7507)	Demand	8506	Southeast New England	MA	NEMA	Existing	14.59	14.59	14.59	14.59	14.59	14.59	14.59	14.59	14.59	14.59	14.59	
40848	ADCR_87147_Central MA (7515)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	12.828	12.828	12.828	12.828	12.828	12.828	12.828	12.828	12.828	12.828	12.828	
40849	ADCR_87147_Eastern CT (7500)	Demand	8500	Rest-of-Pool	CT	CT	Existing	16.639	16.639	16.639	16.639	16.639	16.639	16.639	16.639	16.639	16.639	16.639	
40850	ADCR_87147_Lower SEMA (7511)	Demand	8506	Southeast New England	MA	SEMA	Existing	6.254	6.254	6.254	6.254	6.254	6.254	6.254	6.254	6.254	6.254	6.254	
40851	ADCR_87147_Maine (7505)	Demand	8503	Maine	ME	ME	Existing	24.007	24.007	24.007	24.007	24.007	24.007	24.007	24.007	24.007	24.007	24.007	
40852	ADCR_87147_New Hampshire (7509)	Demand	8505	Northern New England	NH	NH	Existing	9.877	9.877	9.877	9.877	9.877	9.877	9.877	9.877	9.877	9.877	9.877	
40853	ADCR_87147_North Shore (7508)	Demand	8506	Southeast New England	MA	NEMA	Existing	3.219	3.219	3.219	3.219	3.219	3.219	3.219	3.219	3.219	3.219	3.219	
40854	ADCR_87147_Northern CT (7501)	Demand	8500	Rest-of-Pool	CT	CT	Existing	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	
40855	ADCR_87147_Northwest Vermont (7513)	Demand	8505	Northern New England	VT	VT	Existing	13.622	13.622	13.622	13.622	13.622	13.622	13.622	13.622	13.622	13.622	13.622	
40856	ADCR_87147_Norwalk - Stamford (7502)	Demand	8500	Rest-of-Pool	CT	CT	Existing	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	
40857	ADCR_87147_Portland Maine (7506)	Demand	8503	Maine	ME	ME	Existing	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	
40858	ADCR_87147_Rhode Island (7518)	Demand	8506	Southeast New England	RI	RI	Existing	12.991	12.991	12.991	12.991	12.991	12.991	12.991	12.991	12.991	12.991	12.991	
40859	ADCR_87147_SEMA (7512)	Demand	8506	Southeast New England	MA	SEMA	Existing	8.102	8.102	8.102	8.102	8.102	8.102	8.102	8.102	8.102	8.102	8.102	
40860	ADCR_87147_Sea coast (7510)	Demand	8505	Northern New England	NH	NH	Existing	5.991	5.991	5.991	5.991	5.991	5.991	5.991	5.991	5.991	5.991	5.991	
40861	ADCR_87147_Springfield MA (7516)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689	
40862	ADCR_87147_Vermont (7514)	Demand	8505	Northern New England	VT	VT	Existing	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	
40863	ADCR_87147_Western CT (7503)	Demand	8500	Rest-of-Pool	CT	CT	Existing	25.433	25.433	25.433	25.433	25.433	25.433	25.433	25.433	25.433	25.433	25.433	
40864	ADCR_87147_Western MA (7517)	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	
40865	CT East	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
40866	CT North	Demand	8500	Rest-of-Pool	CT	CT	Existing	0	0	0	0	0	0	0	0	0	0	0	
40867	CT West	Demand	8500	Rest-of-Pool	CT	CT	Existing	11.71	11.71	11.71	11.71	11.71	11.71	11.71	11.71	11.71	11.71	11.71	
40868	NEMA Boston	Demand	8506	Southeast New England	MA	NEMA	Existing	7.978	7.978	7.978	7.978	7.978	7.978	7.978	7.978	7.978	7.978	7.978	
40869	NEMA NS	Demand	8506	Southeast New England	MA	NEMA	Existing	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	
40870	RI 1 ADCR	Demand	8506	Southeast New England	RI	RI	Existing	0.583	0.583	0.583	0.583	0.583	0.583	0.583	0.583	0.583	0.583	0.583	
40871	SEMA 1 ADCR	Demand	8506	Southeast New England	MA	SEMA	Existing	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	
40872	WCMA Central Mass	Demand	8500	Rest-of-Pool	MA	WCMA	Existing	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	
355	BRANFORD 10	Generator	8500	Rest-of-Pool	CT	CT	New	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	
420	FRANKLIN DRIVE 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
478	MIDDLETON 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
480	MIDDLETON 2	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
528	OCEAN ST PWR GT1 GT2 ST1	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
529	OCEAN ST PWR GT3 GT4 ST2	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
595	TORRINGTON TERMINAL 10	Generator	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
12581	CL&P - Conservation & Load Management (CL&L) Demand	Demand	8500	Rest-of-Pool	CT	CT	New	8	8	8	8	8	8	8	8	8	8	8	
12600	UI Conservation and Load Management Program	Demand	8500	Rest-of-Pool	CT	CT	New	16.012	16.012	16.012	16.012	16.012	16.012	16.012	16.012	16.012	16.012	16.012	
12657	Utili CORE Energy Efficiency Programs-2	Demand	8500	Rest-of-Pool	MA	WCMA	New	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	
12670	ngrid_nema_fca1_eodr	Demand	8506	Southeast New England	MA	NEMA	New	27.514	27.514	27.514	27.514	27.514	27.514	27.514	27.514	27.514	27.514	27.514	
12671	ngrid_nh_fca1_eodr	Demand	8505	Northern New England	NH	NH	New	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	
12672	ngrid_ri_fca1_eodr	Demand	8506	Southeast New England	RI	RI	New	26.647	26.647	26.647	26.647	26.647	26.647	26.647	26.647	26.647	26.647	26.647	
12673	ngrid_sema_fca1_eodr	Demand	8506	Southeast New England	MA	SEMA	New	45.64	45.64	45.64	45.64	45.64	45.64	45.64	45.64	45.64	45.64	45.64	
12674	ngrid_wdma_fca1_eodr	Demand	8500	Rest-of-Pool	MA	WCMA	New	33.629	33.629	33.629	33.629	33.629	33.629	33.629	33.629	33.629	33.629	33.629	
12684	NSTAR EE NEMA	Demand	8506	Southeast New England	MA	NEMA	New	14.04	14.04	14.04	14.04	14.04	14.04	14.04	14.04	14.04	14.04	14.04	
12685	NSTAR EE SEMA	Demand	8506	Southeast New England	MA	SEMA	New	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	
12693	PNSH CORE Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	New	15.682	15.682	15.682	15.682	15.682	15.682	15.682	15.682	15.682	15.682	15.682	
12705	Cape Light Compact Energy Efficiency Portfolio	Demand	8506	Southeast New England	MA	SEMA	New	11.113	11.113	11.113	11.113	11.113	11.113	11.113	11.113	11.113	11.113	11.113	
12757	NHEC Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	New	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	
12779	PLTN CT On-Peak	Demand	8500	Rest-of-Pool	CT	CT	New	2.958	2.958	2.958	2.958	2.958	2.958	2.958	2.958	2.958	2.958	2.958	
12801	UES CORE Energy Efficiency Programs	Demand	8505	Northern New England	NH	NH	New	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	
12822	Burlington Electric Department - On-Peak Efficient	Demand	8505	Northern New England	VT	VT	New	1.381	1.381	1.381	1.381	1.381	1.381	1.381	1.381	1.381	1.381	1.381	
12838	PLTN MA WC OP	Demand	8500	Rest-of-Pool	MA	WCMA	New	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	
12845	Vermont Efficiency Portfolio-1	Demand	8505	Northern New England	VT	VT	New	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	9.18	
37929	RTDR_50786_Central MA (7515)	Demand	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	
37930	RTDR_50786_Eastern CT (7500)	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
37931	RTDR_50786_Lower SEMA (7511)	Demand	8506	Southeast New England	MA	SEMA	New	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	
37933	RTDR_50786_New Hampshire (7509)	Demand	8505	Northern New England	NH	NH	New	0	0	0	0	0	0	0	0	0	0	0	
37934	RTDR_50786_North Shore (7508)	Demand	8506	Southeast New England	MA	NEMA	New	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	
37935	RTDR_50786_Northern CT (7501)	Demand	8500	Rest-of-Pool	CT	CT	New	0	0	0	0	0	0	0	0	0	0	0	
37936	RTDR_50786_Norwalk - Stamford (7502)	Demand	8500	Rest-of-Pool	CT	CT	New	0.54											

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
41000	RI_75 RE Growth PV_26 PECK-HILL RD_JOHNSTON	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	0
41001	Spring Street Renewables	Generator	8506	Southeast New England	MA	SEMA	New	1.894	1.894	1.894	1.894	1	1	1	1	1	1	1	1
41002	MA_13_2 PV_18 SAMPSON RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.407	0.407	0.407	0.407	0	0	0	0	0	0	0	0
41003	MA_16_2 PV_109 E HILL RD_MONSON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.476	0.476	0.476	0.476	0	0	0	0	0	0	0	0
41006	Syncarpha Westminster - Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.695	0.695	0.695	0.695	0	0	0	0	0	0	0	0
41007	Syncarpha Westminster - Battery	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	
41009	Syncarpha Halifax - Battery	Generator	8506	Southeast New England	MA	SEMA	New	0.742	0.742	0.742	0.742	0.742	0.742	0.742	0.742	0.742	0.742	0.742	
41012	Borr - Brookwood Dr PV	Generator	8506	Southeast New England	MA	SEMA	New	0.885	0.885	0.885	0.885	0	0	0	0	0	0	0	0
41013	Borr - Brookwood Dr Storage	Generator	8506	Southeast New England	MA	SEMA	New	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	1.334	
41015	Borr - Pleasant St Storage	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.971	1.971	1.971	1.971	1.971	1.971	1.971	1.971	1.971	1.971	1.971	
41016	LIEVRE RIVER Import 2023-24	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
41020	Bemis Road Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.112	1.112	1.112	1.112	0.592	0.592	0.592	0.592	0.592	0.592	0.592	
41021	Oakhurst Road PV	Generator	8506	Southeast New England	MA	SEMA	New	0.338	0.338	0.338	0.338	0.196	0.196	0.196	0.196	0.196	0.196	0.196	
41025	Douglas PV	Generator	8506	Southeast New England	MA	SEMA	New	1.32	1.32	1.32	1.32	0.396	0.396	0.396	0.396	0.396	0.396	0.396	
41029	Ludlow PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.014	1.014	1.014	1.014	0.592	0.592	0.592	0.592	0.592	0.592	0.592	
41030	Rehoboth PV	Generator	8506	Southeast New England	MA	SEMA	New	1.094	1.094	1.094	1.094	0.792	0.792	0.792	0.792	0.792	0.792	0.792	
41031	RI_93 RE Growth PV_371 PUTNAM PI_SMITHFIELD	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
41032	MA_139_0.2997 PV_1-3 WALKER RD_UPTON	Generator	8506	Southeast New England	MA	SEMA	New	0.063	0.063	0.063	0.063	0	0	0	0	0	0	0	
41033	RI_101 RE Growth PV_0 W SHANNOCK RD_SHAN	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
41034	RI_102 RE Growth PV_16 TOMAQUAG RD_HOPK	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
41035	MA_285_1 PV_48 PAXTON RD_SPENCER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.24	0.24	0.24	0.24	0	0	0	0	0	0	0	
41036	MA_332_0.333 PV_0 QUABAO ST_BROOKFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.071	0.071	0.071	0.071	0	0	0	0	0	0	0	
41037	MA_18_2 PV_0 GRIFFIN RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.435	0.435	0.435	0.435	0	0	0	0	0	0	0	
41038	MA_299_0.5 PV_0 LUNENBURG RD_LANCASTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.075	0.075	0.075	0.075	0	0	0	0	0	0	0	
41039	RI_103 RE Growth PV_0 NORTH RD_SHANNOCK	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
41040	MA_19_1.95 PV_0 OAKHURST RD_SUTTON	Generator	8506	Southeast New England	MA	SEMA	New	0.444	0.444	0.444	0.444	0	0	0	0	0	0	0	
41041	MA_320_1 PV_307 DUDLEY-RIVER RD_SOUTHBRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.267	0.267	0.267	0.267	0	0	0	0	0	0	0	
41042	RI_104 RE Growth PV_56 Stilson Rd_Richmond	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	
41043	MA_335_1 PV_12 ORCHARD RD_N BROOKFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.24	0.24	0.24	0.24	0	0	0	0	0	0	0	
41044	MA_323_2 PV_19 CARPENTER-HILL RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.318	0.318	0.318	0.318	0	0	0	0	0	0	0	
41045	MA_20_1.86 PV_161 HARTFORD AV_MENDON	Generator	8506	Southeast New England	MA	SEMA	New	0.384	0.384	0.384	0.384	0	0	0	0	0	0	0	
41046	Granby Randal Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0	0	0	0	0	0	0	0	0	0	0	
41047	MA_324_1 PV_10 H PUTNAM ROAD EX_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.262	0.262	0.262	0.262	0	0	0	0	0	0	0	
41048	MA_25_1.5 PV_675 SIMMONDS RD_WILLIAMSTOWN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.255	0.255	0.255	0.255	0	0	0	0	0	0	0	
41050	MA_325_2 PV_91 CARPENTER-HILL RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.299	0.299	0.299	0.299	0	0	0	0	0	0	0	
41051	Dalton PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.467	1.467	1.467	1.467	0.791	0.791	0.791	0.791	0.791	0.791	0.791	
41053	MA_329_1.98 PV_53 CITY-DEPOT RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.493	0.493	0.493	0.493	0	0	0	0	0	0	0	
41054	MA_36_1 PV_307 DUDLEY-RIVER RD_SOUTHBRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.234	0.234	0.234	0.234	0	0	0	0	0	0	0	
41055	GMP Powerwall 3	Demand	8505	Northern New England	VT	VT	New	0	0	0	0	0	0	0	0	0	0	0	
41056	MA_37_1 PV_307 DUDLEY-RIVER RD_SOUTHBRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.247	0.247	0.247	0.247	0	0	0	0	0	0	0	
41059	MA_40_1 PV_52 W BROADFIELD RD_N BROOKFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.243	0.243	0.243	0.243	0	0	0	0	0	0	0	
41060	MA_133_0.354 PV_694 MAIN ST_WEST NEWBURY	Generator	8506	Southeast New England	MA	NEMA	New	0.089	0.089	0.089	0.089	0	0	0	0	0	0	0	
41061	MA_41_1 PV_62 W BROADFIELD RD_N BROOKFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.215	0.215	0.215	0.215	0	0	0	0	0	0	0	
41062	MA_59_0.984 PV_982 PLEASANT ST_LEOMINSTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.216	0.216	0.216	0.216	0	0	0	0	0	0	0	
41063	MA_69_0.866 PV_57 BRIGHAM ST_WESTBOROUGH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.164	0.164	0.164	0.164	0	0	0	0	0	0	0	
41064	MA_75_0.743 PV_38 CAPE RD_MENDON	Generator	8506	Southeast New England	MA	SEMA	New	0.164	0.164	0.164	0.164	0	0	0	0	0	0	0	
41065	Borr - Blodgett Road PV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.485	0.485	0.485	0.485	0	0	0	0	0	0	0	
41067	Borr - Blodgett Road Storage	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	
41072	Revere Battery	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.754	1.754	1.754	1.754	1.754	1.754	1.754	1.754	1.754	1.754	1.754	
41078	MA_77_0.455 PV_5567R SATHOLD RDATHOL	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.115	0.115	0.115	0.115	0	0	0	0	0	0	0	
41080	MA_78_0.576 PV_0 PETERSHAM RD_NEWSALEM	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.096	0.096	0.096	0.096	0	0	0	0	0	0	0	
41081	MA_80_0.5 PV_36 STOCKBRIDGE RD_W STOCKBRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.102	0.102	0.102	0.102	0	0	0	0	0	0	0	
41082	MA_122_0.419 PV_600 LONGWATER DR_NORWELL	Generator	8506	Southeast New England	MA	SEMA	New	0.12	0.12	0.12	0.12	0	0	0	0	0	0	0	
41083	MA_22_1.67 PV_60 MARTIN ST REHOBOTH	Generator	8506	Southeast New England	MA	SEMA	New	0.412	0.412	0.412	0.412	0	0	0	0	0	0	0	
41084	MA_90_0.499 PV_1940 BARRE RD_NEW BRAINTR	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.124	0.124	0.124	0.124	0	0	0	0	0	0	0	
41085	MA_118_0.4 PV_55 DUDLEY OXFORD RD_DUDLEY	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	
41086	MA_334_1.98 PV_28 CURTIS-HILL RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.486	0.486	0.486	0.486	0	0	0	0	0	0	0	
41087	MA_341_0.495 PV_20 CLAPP ST_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.094	0.094	0.094	0.094	0	0	0	0	0	0	0	
41088	MA_342_0.495 PV_36 CLAPP ST_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.109	0.109	0.109	0.109	0	0	0	0	0	0	0	
41089	MA_347_0.48 PV_51 SEARS RD_SOUTH BOSTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.066	0.066	0.066	0.066	0	0	0	0	0	0	0	
41090	MA_353_1 PV_197 PROVIDENCE ST_UXBRIDGE	Generator	8506	Southeast New England	MA	SEMA	New	0.223	0.223	0.223	0.223	0	0	0	0	0	0	0	
41091	MA_361_0.75 PV_0 FAIRLEE LN_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.153	0.153	0.153	0.153	0	0	0	0	0	0	0	
41092	MA_362_0.75 PV_0 FAIRLEE LN_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.157	0.157	0.157	0.157	0	0	0	0	0	0	0	
41093	MA_442_0.5 PV_0 FAIRLEE LN_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.088	0.088	0.088	0.088	0	0	0	0	0	0	0	
41095	Rensselaer 23-24	Import	8500	Rest-of-Pool			New	0	0	0	0	0	0	0	0	0	0	0	
41096	Erie Boulevard Hydro Import 2023-24	Import	8500	Rest-of-Pool			New	100	100	100	100	100	100	100	100	100	100	100	
41097	Syncarpha Millbury - Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	
41098	Syncarpha Millbury - Battery	Generator	8500																

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
41104	MA_21_1.725_PV_139 SHUMAN AV_STOUGHTON	Generator	8506	Southeast New England	MA	SEMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
41105	MA_3_4.89_PV_14 BELCHER ST_PLAINVILLE	Generator	8506	Southeast New England	MA	SEMA	New	0.849	0.849	0.849	0.849	0	0	0	0	0	0	0	0
41107	MA_61_0.972_PV_0 STATE RD_PHILLIPSTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.246	0.246	0.246	0.246	0	0	0	0	0	0	0	0
41108	MA_88_0.499_PV_100 WARE ST_PALMER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.095	0.095	0.095	0.095	0	0	0	0	0	0	0	0
41110	MA_94_0.499_PV_22 SUNSET LN_SPENCER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.121	0.121	0.121	0.121	0	0	0	0	0	0	0	0
41111	MA_95_0.499_PV_22 SUNSET LN_SPENCER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.114	0.114	0.114	0.114	0	0	0	0	0	0	0	0
41112	MA_108_0.48_PV_51 ELLIS RD_WESTMINSTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.112	0.112	0.112	0.112	0	0	0	0	0	0	0	0
41113	MA_201_1.656_PV_788 WOOD ST_SWANSEA	Generator	8506	Southeast New England	MA	SEMA	New	0.353	0.353	0.353	0.353	0	0	0	0	0	0	0	0
41116	HQ_PII Yearly_23-24	Import	8500	Rest-of-Pool	1		New	412	412	412	412	412	412	412	412	412	412	412	412
41117	MA_14_2_PV_81 N LIBERTY ST_BELCHERTOWN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.447	0.447	0.447	0.447	0	0	0	0	0	0	0	0
41119	NEMA C&I Storage	Demand	8506	Southeast New England	MA	NEMA	New	0	0	0	0	0	0	0	0	0	0	0	0
41120	MA_110_0.48_PV_107 NEW-BRAINTREE RD_N BR	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.121	0.121	0.121	0.121	0	0	0	0	0	0	0	0
41121	MA_108_0.48_PV_771 S BARRE RD_BARRE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.118	0.118	0.118	0.118	0	0	0	0	0	0	0	0
41123	MA_131_0.3663_PV_47 SUMMER ST_MILFORD	Generator	8506	Southeast New England	MA	SEMA	New	0.05	0.05	0.05	0.05	0	0	0	0	0	0	0	0
41125	MA_15_2_PV_270 FRANKLIN ST_BELCHERTOWN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.416	0.416	0.416	0.416	0	0	0	0	0	0	0	0
41126	MA_30_1_PV_225 OLD-SPRINGFIELD RD_BELCHE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.213	0.213	0.213	0.213	0	0	0	0	0	0	0	0
41128	MA_31_1_PV_36 MILFORD ST_MENDON	Generator	8506	Southeast New England	MA	SEMA	New	0.185	0.185	0.185	0.185	0	0	0	0	0	0	0	0
41129	MA_33_1_PV_223 S ASHBURNHAM RD_WESTMIN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.277	0.277	0.277	0.277	0	0	0	0	0	0	0	0
41130	MA_89_0.499_PV_61 STONY-HILL RD_HAMPDEN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.056	0.056	0.056	0.056	0	0	0	0	0	0	0	0
41131	MA_91_0.499_PV_223 S ASHBURNHAM RD_WEST	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.125	0.125	0.125	0.125	0	0	0	0	0	0	0	0
41132	MA_103_0.494_PV_95 OLD-RIVER RD_ANDOVER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.109	0.109	0.109	0.109	0	0	0	0	0	0	0	0
41133	WhatelyPV	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.205	0.205	0.205	0.205	0	0	0	0	0	0	0	0
41134	MA_143_0.27_PV_58 NORFOLK AV_SOUTH FASTO	Generator	8506	Southeast New England	MA	SEMA	New	0.048	0.048	0.048	0.048	0	0	0	0	0	0	0	0
41135	MA_225_1.123_PV_0 ADIRONDACK LN_WESTPOR	Generator	8506	Southeast New England	MA	SEMA	New	0.322	0.322	0.322	0.322	0	0	0	0	0	0	0	0
41136	MA_224_1.5_PV_0 ADIRONDACK LN_WESTPORT	Generator	8506	Southeast New England	MA	SEMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
41137	WhatelyStorage	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	
41139	MA_288_4.68_PV_67 PLEASANTDALE RD_RUTLAND	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.95	0.95	0.95	0.95	0	0	0	0	0	0	0	0
41140	MA_290_1_PV_394 PLEASANTDALE RD_RUTLAND	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.218	0.218	0.218	0.218	0	0	0	0	0	0	0	0
41141	MA_305_0.95_PV_0 BAY-PATH RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.16	0.16	0.16	0.16	0	0	0	0	0	0	0	0
41142	MA_100_0.5_PV_55 DUDLEY OXFORD RD_DUDLE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.097	0.097	0.097	0.097	0	0	0	0	0	0	0	0
41143	MA_306_0.95_PV_0 BAY-PATH RD_CHARLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.145	0.145	0.145	0.145	0	0	0	0	0	0	0	0
41144	MA_310_1_PV_0 FARLEY RD_DUDLEY	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.199	0.199	0.199	0.199	0	0	0	0	0	0	0	0
41145	MA_337_1_PV_800 SPRING ST_WINCHENDON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.388	0.388	0.388	0.388	0	0	0	0	0	0	0	0
41146	MA_101_0.5_PV_55 DUDLEY OXFORD RD_DUDLE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.086	0.086	0.086	0.086	0	0	0	0	0	0	0	0
41147	MA_339_1_PV_0 HILL ST_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.226	0.226	0.226	0.226	0	0	0	0	0	0	0	0
41148	MA_349_0.741_PV_53 OTIS ST_WESTBOROUGH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.152	0.152	0.152	0.152	0	0	0	0	0	0	0	0
41149	MA_113_0.476_PV_1788 G-A-R HW_SWANSEA	Generator	8506	Southeast New England	MA	SEMA	New	0.106	0.106	0.106	0.106	0	0	0	0	0	0	0	0
41150	MA_354_0.49_PV_142 WEST ST_HOPEDALE	Generator	8506	Southeast New England	MA	SEMA	New	0.078	0.078	0.078	0.078	0	0	0	0	0	0	0	0
41151	MA_355_0.266_PV_1 KENWOOD CI_Franklin	Generator	8506	Southeast New England	MA	SEMA	New	0.055	0.055	0.055	0.055	0	0	0	0	0	0	0	0
41152	MA_378_2_PV_0 BRODIE-MOUNTAIN RD_HANCO	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.449	0.449	0.449	0.449	0	0	0	0	0	0	0	0
41153	MA_134_0.311_PV_1006 TEMPLETON RD_ATHOL	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.063	0.063	0.063	0.063	0	0	0	0	0	0	0	0
41154	MA_385_2.55_PV_0 PETERSON ST_PALMER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.542	0.542	0.542	0.542	0	0	0	0	0	0	0	0
41155	Plainfield Storage	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401	
41159	MA_202_0.48_PV_719 GUELPHWOOD RD_SOUTH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.112	0.112	0.112	0.112	0	0	0	0	0	0	0	0
41160	MA_296_3_PV_267 BROCKELMAN RD_LANCASTE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.616	0.616	0.616	0.616	0	0	0	0	0	0	0	0
41162	Synarpa Northampton - Solar	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.619	0.619	0.619	0.619	0	0	0	0	0	0	0	0
41164	MA_308_2_PV_496 STAFFORD ST_LEICESTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.184	0.184	0.184	0.184	0	0	0	0	0	0	0	0
41165	HQ_HG Yearly_23-24	Import	8505	Northern New England			New	64	64	64	64	64	64	64	64	64	64	64	64
41168	HQ_NY Yearly_23-24	Import	8500	Rest-of-Pool			New	267	267	267	267	267	267	267	267	267	267	267	267
41173	MA_312_0.48_PV_720 GUELPHWOOD RD_SOUTH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.12	0.12	0.12	0.12	0	0	0	0	0	0	0	0
41174	MA_313_0.48_PV_721 GUELPHWOOD RD_SOUTH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.118	0.118	0.118	0.118	0	0	0	0	0	0	0	0
41175	MA_314_0.48_PV_722 GUELPHWOOD RD_SOUTH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.116	0.116	0.116	0.116	0	0	0	0	0	0	0	0
41176	Synarpa Northampton - Battery	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	
41177	Synarpa Northbridge 1 - Solar	Generator	8506	Southeast New England	MA	SEMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
41179	Synarpa Northbridge 1 - Battery	Generator	8506	Southeast New England	MA	SEMA	New	1.778	1.778	1.778	1.778	1.778	1.778	1.778	1.778	1.778	1.778	1.778	
41181	MA_315_0.48_PV_725 GUELPHWOOD RD_SOUTH	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.103	0.103	0.103	0.103	0	0	0	0	0	0	0	0
41182	MA_338_2_PV_808 WEST ST_GARDNER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.464	0.464	0.464	0.464	0	0	0	0	0	0	0	0
41183	Synarpa Northbridge 2 - Solar	Generator	8506	Southeast New England	MA	SEMA	New	0.879	0.879	0.879	0.879	0	0	0	0	0	0	0	0
41184	MA_363_1.5_PV_114 PROSPECT ST_SOUTH EASTO	Generator	8506	Southeast New England	MA	SEMA	New	0.264	0.264	0.264	0.264	0	0	0	0	0	0	0	0
41185	Synarpa Northbridge 2 - Battery	Generator	8506	Southeast New England	MA	SEMA	New	1.334	1.334	1.334	1.334	1	1.334	1.334	1.334	1.334	1.334	1.334	1.334
41186	MA_402_0.48_PV_250 SPRING-HILL RD_BARRE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.081	0.081	0.081	0.081	0	0	0	0	0	0	0	0
41187	Synarpa Puddon 1 - Solar	Generator	8506	Southeast New England	MA	SEMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
41188	MA_403_0.48_PV_252 SPRING-HILL RD_BARRE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.063	0.063	0.063	0.063	0	0	0	0	0	0	0	0
41189	Synarpa Puddon 1 - Battery	Generator	8506	Southeast New England	MA	SEMA	New	1.778	1.778	1.778	1.778	1	1.778	1.778	1.778	1.778	1.778	1.778	1.778

ID	Name	Type	Capacity Zone ID	Capacity Zone Name	State	Load Zone	Status	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
41295	MA_436_1.PV_0 KENSINGTON AV_ METHUEN	Generator	8506	Southeast New England	MA	NEMA	New	0.171	0.171	0.171	0.171	0	0	0	0	0	0	0	0
41297	MA_437_0.48.PV_251 Spring Hill Road_Barre	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.089	0.089	0.089	0.089	0	0	0	0	0	0	0	0
41298	MA_432_0.75.PV_7A SPOFFORD RD_BOXFORD	Generator	8500	Southeast New England	MA	NEMA	New	0.162	0.162	0.162	0.162	0	0	0	0	0	0	0	0
41299	MA_382_0.48.PV_2553 BARRE RD_HARDWICK	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.112	0.112	0.112	0.112	0	0	0	0	0	0	0	0
41300	MA_383_0.48.PV_0 CLEVELAND RD_HARDWICK	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.108	0.108	0.108	0.108	0	0	0	0	0	0	0	0
41301	MA_392_0.99.PV_581 SOUTH ST_WARREN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.248	0.248	0.248	0.248	0	0	0	0	0	0	0	0
41302	MA_412_0.996.PV_700 W SHAFT RD_NORTH ADA	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.233	0.233	0.233	0.233	0	0	0	0	0	0	0	0
41304	RI_85 RE Growth PV_0 GRAY LN_ASHAWAY	Generator	8506	Southeast New England	RI	RI	New	0	0	0	0	0	0	0	0	0	0	0	0
41306	Happy Hollow Road Solar 1 (ESS)	Generator	8506	Rest-of-Pool	MA	WCMA	New	1.423	1.423	1.423	1.423	1.423	1.423	1.423	1.423	1.423	1.423	1.423	1.423
41309	MA_4_4.995.PV_311 EMERY ST_PALMER	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.107	1.107	1.107	1.107	0	0	0	0	0	0	0	0
41311	MA_68_0.9.PV_500 DUNSTABLE RD_TYNGSBORO	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.189	0.189	0.189	0.189	0	0	0	0	0	0	0	0
41312	Happy Hollow Road Solar 1 (PV)	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.778	0.778	0.778	0.778	0	0	0	0	0	0	0	0
41313	MA_70_0.99.PV_194 BERKSHIRE TR E_GOSHEN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.193	0.193	0.193	0.193	0	0	0	0	0	0	0	0
41314	Kear -S Martin Rd PV	Generator	8506	Southeast New England	MA	NEMA	New	0.569	0.569	0.569	0.569	0	0	0	0	0	0	0	0
41315	Kear -S Martin Rd Storage	Generator	8506	Southeast New England	MA	NEMA	New	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	
41316	MA_350_0.495.PV_370 PATRIOT PL_FOXBORO	Generator	8506	Southeast New England	MA	SEMA	New	0.08	0.08	0.08	0.08	0	0	0	0	0	0	0	0
41317	MA_359_2.34.PV_234 THATCHER ST_E BRIDGEW	Generator	8506	Southeast New England	MA	SEMA	New	0.418	0.418	0.418	0.418	0	0	0	0	0	0	0	0
41318	MA_360_0.75.PV_0 FAIRLEE LN_NORTON	Generator	8506	Southeast New England	MA	SEMA	New	0.134	0.134	0.134	0.134	0	0	0	0	0	0	0	0
41319	MA_365_2.PV_880 BEECH ST_ROCKLAND	Generator	8506	Southeast New England	MA	SEMA	New	0.35	0.35	0.35	0.35	0	0	0	0	0	0	0	0
41320	MA_399_2.PV_105 NORTH ST_PALMER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.436	0.436	0.436	0.436	0	0	0	0	0	0	0	0
41321	MA_401_0.8.PV_750 S BARRE RD_BARRE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.144	0.144	0.144	0.144	0	0	0	0	0	0	0	0
41322	MA_403_1.PV_702 S MAIN ST_ORANGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.377	0.377	0.377	0.377	0	0	0	0	0	0	0	0
41324	MA_406_2.PV_702 S MAIN ST_ORANGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.22	0.22	0.22	0.22	0	0	0	0	0	0	0	0
41326	MA_411_0.4995.PV_650 W CROSS RD_CLARKSBUS	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.099	0.099	0.099	0.099	0	0	0	0	0	0	0	0
41327	Ldstr - Pulpit Hill Storage	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	
41328	MA_375_0.3.PV_454 S MAIN ST_W BRIDGEWATE	Generator	8506	Southeast New England	MA	SEMA	New	0.06	0.06	0.06	0.06	0	0	0	0	0	0	0	0
41329	MA_413_0.499 PV_926 N STATE RD_CHESTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.116	0.116	0.116	0.116	0	0	0	0	0	0	0	0
41330	MA_414_1.PV_300 EAST RD_ADAMS	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.17	0.17	0.17	0.17	0	0	0	0	0	0	0	0
41332	MA_379_0.936.PV_33 GILBERTVILLE RD_WARE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.238	0.238	0.238	0.238	0	0	0	0	0	0	0	0
41333	MA_415_0.999.PV_76 E STAHL RD_ASHLEY FALLS	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.241	0.241	0.241	0.241	0	0	0	0	0	0	0	0
41334	MA_384_3.8.PV_2189 BAPTIST-HILL RD_PALMER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.715	0.715	0.715	0.715	0	0	0	0	0	0	0	0
41335	MA_418_0.499 PV_49 LIME-KILN RD_SHEFFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.116	0.116	0.116	0.116	0	0	0	0	0	0	0	0
41336	MA_386_0.496.PV_0 TINKHAM RD_WILBRAHAM	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.095	0.095	0.095	0.095	0	0	0	0	0	0	0	0
41337	MA_391_0.96.PV_70 WARKE RD_WEST WARREN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.219	0.219	0.219	0.219	0	0	0	0	0	0	0	0
41338	MA_420_2.5.PV_293 PARK ST_HOUSATONIC	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.593	0.593	0.593	0.593	0	0	0	0	0	0	0	0
41339	MA_52_0.99.PV_189 MENDON ST_UXBRIDGE	Generator	8506	Southeast New England	MA	SEMA	New	0.197	0.197	0.197	0.197	0	0	0	0	0	0	0	0
41340	MA_393_1.PV_414 LITTLE-REST RD_WARREN	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.247	0.247	0.247	0.247	0	0	0	0	0	0	0	0
41341	MA_422_0.6.PV_108 SIMPLEX DR_WESTMINSTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.113	0.113	0.113	0.113	0	0	0	0	0	0	0	0
41342	MA_96_0.499.PV_0 THEODORE DR_WESTMINSTE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.116	0.116	0.116	0.116	0	0	0	0	0	0	0	0
41343	MA_97_0.499.PV_0 THEODORE DR_WESTMINSTE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.111	0.111	0.111	0.111	0	0	0	0	0	0	0	0
41345	MA_433_3.PV_1050 HILDALE AV_HAVERHILL	Generator	8506	Southeast New England	MA	NEMA	New	0.753	0.753	0.753	0.753	0	0	0	0	0	0	0	0
41346	MA_443_1.PV_72 W DUDLEY RD_DUDLEY	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.191	0.191	0.191	0.191	0	0	0	0	0	0	0	0
41347	MA_301_2.PV_0 SHIRLEY RD_LANCASTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.387	0.387	0.387	0.387	0	0	0	0	0	0	0	0
41348	MA_302_1.5.PV_169 LEOMINSTER RD_SHIRLEY	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.225	0.225	0.225	0.225	0	0	0	0	0	0	0	0
41349	MA_322_1.PV_1 HARE RD_STURBRIDGE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.173	0.173	0.173	0.173	0	0	0	0	0	0	0	0
41350	MA_8_3.72.PV_0 THATCHER ST_BROCKTON	Generator	8506	Southeast New England	MA	SEMA	New	0.525	0.525	0.525	0.525	0	0	0	0	0	0	0	0
41351	MA_330_1.4.PV_175-185 E MAIN RD_W BROOKF	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.267	0.267	0.267	0.267	0	0	0	0	0	0	0	0
41352	MA_340_3.334.PV_280 SUMMER ST_REHOBOTH	Generator	8506	Southeast New England	MA	SEMA	New	0.733	0.733	0.733	0.733	0	0	0	0	0	0	0	0
41353	MA_331_0.8.PV_94 JOHN-GILBERT RD_W BROOK	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.173	0.173	0.173	0.173	0	0	0	0	0	0	0	0
41354	MA_333_3.PV_38 MADBROOK RD_N BROOKFIELD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.61	0.61	0.61	0.61	0	0	0	0	0	0	0	0
41355	MA_83_0.499.PV_1401 WILLIAMS ST_DIGHTON	Generator	8506	Southeast New England	MA	SEMA	New	0.109	0.109	0.109	0.109	0	0	0	0	0	0	0	0
41356	MA_297_4.95.PV_125 STILL-RIVER RD_BOLTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	1.061	1.061	1.061	1.061	0	0	0	0	0	0	0	0
41357	MA_98_0.499.PV_0 THEODORE DR_WESTMINSTE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.111	0.111	0.111	0.111	0	0	0	0	0	0	0	0
41358	MA_99_0.5.PV_55 W DUDLEY RD_DUDLEY	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.108	0.108	0.108	0.108	0	0	0	0	0	0	0	0
41359	MA_300_2.5.PV_0 SHIRLEY RD_LANCASTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.484	0.484	0.484	0.484	0	0	0	0	0	0	0	0
41360	MA_304_2.75.PV_51 FEDERAL-HILL RD_OXFORD	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.626	0.626	0.626	0.626	0	0	0	0	0	0	0	0
41361	MA_213_0.995.PV_6 MCNEIL HW_LEICESTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.195	0.195	0.195	0.195	0	0	0	0	0	0	0	0
41363	MA_311_1.38.PV_23 CUDWORTH RD_WEBSTER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.293	0.293	0.293	0.293	0	0	0	0	0	0	0	0
41364	MA_222_0.48.PV_26 THEODORE DR_WESTMINSTE	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.12	0.12	0.12	0.12	0	0	0	0	0	0	0	0
41366	MA_284_1.PV_19 WOODCHUCK LN_SPENCER	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.232	0.232	0.232	0.232	0	0	0	0	0	0	0	0
41367	MA_348_1.82.PV_120 South Street_WESTBOROU	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.354	0.354	0.354	0.354	0	0	0	0	0	0	0	0
41368	MA_295_2.196.PV_100 ADAMS RD_CLINTON	Generator	8500	Rest-of-Pool	MA	WCMA	New	0.501	0.501	0.501	0.501	0	0	0	0	0	0	0	0
41370	MA_343_0.5.PV_247 BAKER RD_SWANSEA	Generator	8506	Southeast New England	MA	SEMA	New	0.088	0.088	0.088	0.088	0	0	0	0	0	0	0	0
41371	MA_344_3.13.PV_2729 ELM ST_DIGHTON	Generator	8506	Southeast New England	MA	SEMA	New	0.707	0.707	0.707	0.707								

Attachment B

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

ISO New England Inc.

) **Docket No. ER20-___-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 System Planning. 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 became Vice President of
14 Market Operations and in November of 2019, I became Vice President of System
15 Planning. Before 2000, I was a Senior Associate at Stratus Consulting with
16 responsibility for energy market modeling.
- 17

- 1 **Q:** **WHAT ARE THE PURPOSES OF YOUR TESTIMONY?**
- 2 A: My testimony has two purposes. The first purpose of my testimony is to certify
- 3 that resources participating in the fourteenth Forward Capacity Auction (“FCA”),
- 4 which was held on February 3, 2020, were properly qualified in accordance with
- 5 Section III.13.1 of the ISO New England Transmission, Markets, and Services
- 6 Tariff (the “Tariff”). Section III.13.8.2 (b) of the Tariff requires that
- 7 documentation regarding the competitiveness of the FCA be filed with the
- 8 Commission. Section III.13.8.2 (b) states that such documentation may include a
- 9 certification from the ISO that all entities offering and bidding in the FCA were
- 10 properly qualified in accordance with Section III.13.1 of the Tariff. My testimony
- 11 provides such certification. The second purpose of my testimony is to explain the
- 12 auction prices resulting from the fourteenth FCA.
- 13
- 14 **Q:** **WERE ALL RESOURCES OFFERING AND BIDDING IN THE**
- 15 **FOURTEENTH FCA HELD ON FEBRUARY 3, 2020 PROPERLY**
- 16 **QUALIFIED IN ACCORDANCE WITH TARIFF SECTION III.13.1?**
- 17 A: Yes. Section III.13.1 of the Tariff sets forth the process for qualification in the
- 18 FCA. I was responsible for overseeing the qualification of all resources in the
- 19 fourteenth FCA held on February 3, 2020. I certify that, to the best of my
- 20 knowledge, all resources offering and bidding in the fourteenth FCA were
- 21 properly qualified in accordance with Section III.13.1 of the Tariff. In a

1 November 5, 2019 informational filing with the Commission, the ISO provided
2 resources qualified to participate in the fourteenth FCA.¹

3

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

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

12

13 **Q: WHAT CAPACITY ZONES WERE MODELED IN THE FOURTEENTH**
14 **FCA?**

15 A: Four Capacity Zones were modeled in the fourteenth FCA: the Southeastern New
16 England (“SENE”) Capacity Zone, the Northern New England (“NNE”) Capacity
17 Zone, the Maine Capacity Zone (“Maine”) and the Rest-of-Pool Capacity Zone.
18 The SENE Capacity Zone included Northeastern Massachusetts/Boston,
19 Southeastern Massachusetts, and Rhode Island. The NNE Capacity Zone
20 included Maine, New Hampshire and Vermont. The Maine Capacity Zone
21 included Maine and was nested within the NNE Capacity Zone. The Rest-of-Pool

¹ ISO New England Inc., Informational Filing for Qualification in the Forward Capacity Market, Docket No. ER20-308-000 (filed November 5, 2019) (“Informational Filing”).

1 Capacity Zone included Connecticut and Western/Central Massachusetts. As
2 detailed in the ISO's Informational Filing for the fourteenth FCA, the Local
3 Sourcing Requirement for the import-constrained SENE Capacity Zone was 9,757
4 MW.² For the export-constrained NNE Capacity Zone, the Maximum Capacity
5 Limit was 8,445 MW.³ For the export-constrained Maine Capacity Zone, the
6 Maximum Capacity Limit was 4,020 MW.⁴ Under Section III.13.2.2 of the
7 Tariff, the total amount of capacity cleared in the FCA is determined using the
8 System-Wide Capacity Demand Curve and Capacity Zone Demand Curves.

9

10 **Q: PLEASE DESCRIBE THE METHODOLOGY USED FOR
11 CALCULATING THE MRI CURVES FOR THE FOURTEENTH FCA.**

12 A: Pursuant to Sections III.13.2.2.1, III.13.2.2.2 and III.13.2.2.3 of the Tariff, to
13 calculate the System-Wide Capacity Demand Curve, the import-constrained
14 Capacity Zone Demand Curve for SENE, and the export-constrained Capacity
15 Zone Demand Curves for NNE and Maine for the fourteenth FCA, the ISO used
16 the marginal reliability impacts (*i.e.*, the MRI) methodology. The MRI
17 methodology measures the change in “expected energy not served” (or “EENS,”
18 which measures unserved load and is used as a performance metric) with another
19 1 MW of capacity, associated with various capacity levels for the system and the
20 Capacity Zones.

² Informational Filing at 9.

³ *Id.*

⁴ *Id.*

1 EENS is measured in MWh per year and can be calculated for any set of system
2 and zonal installed capacity levels. The EENS values for system capacity levels
3 were produced by the GE MARS model,⁵ in 10 MW increments and by applying
4 the same assumptions used in determining the Installed Capacity Requirement.
5 These system EENS values were translated into MRI values by estimating how a
6 1 MW incremental change in capacity impacts EENS at various capacity levels.
7 An MRI curve was developed from these system MRI values with capacity
8 represented on the X-axis and the corresponding MRI values on the Y-axis.
9
10 MRI values at various capacity levels were also calculated for the SENE import-
11 constrained Capacity Zone, the NNE export-constrained Capacity Zone, and the
12 Maine export-constrained Capacity Zone using the same modeling assumptions
13 and methodology as those used to determine the Local Resource Adequacy
14 Requirement and the Maximum Capacity Limits for those Capacity Zones, with
15 the exception of the modification of the transmission transfer capability for the
16 SENE import-constrained Capacity Zone as described in more detail below.
17 These MRI values were calculated to reflect the change in system reliability
18 associated with transferring incremental capacity from the Rest-of-Pool Capacity
19 Zone into the constrained capacity zone.

⁵ The GE MARS model is the same simulation system that is used to develop the Installed Capacity Requirement and other values that specify how much capacity is required for resource adequacy purposes from a system planning perspective. For the development of the MRI curves, the GE MARS model is used to calculate reliability values using 10 MW additions above and 10 MW deductions below the calculated requirements until a sufficient set of values that covers the full range necessary to produce the MRI-based Demand Curves is determined.

1 **Q: PLEASE EXPLAIN THE METHODOLOGY USED TO DEVELOP THE**
2 **SYSTEM-WIDE CAPACITY DEMAND CURVE FOR THE**
3 **FOURTEENTH FCA.**

4 A: The System-Wide Capacity Demand Curve specifies a price for system capacity
5 quantities. For the fourteenth FCA, the price for each megawatt quantity
6 specified on the system-wide MRI curve was determined by the product of the
7 system-wide Marginal Reliability Impact value, calculated pursuant to Section
8 III.12.1.1, and the scaling factor specified in Section III.13.2.2.4 of the Tariff. For
9 all capacity quantities in excess of 110% of the Net Installed Capacity
10 Requirement, the System-Wide Capacity Demand Curve specified a price of
11 \$0.000.

12

13 **Q: PLEASE PROVIDE ADDITIONAL DETAILS REGARDING THE**
14 **DEVELOPMENT OF THE IMPORT-CONSTRAINED CAPACITY ZONE**
15 **DEMAND CURVE FOR THE SENE CAPACITY ZONE.**

16 A: For import-constrained Capacity Zones, the Local Resource Adequacy
17 Requirement and Transmission Security Analysis Requirement values both play a
18 role in defining the MRI-based demand curves, just as they do in setting the Local
19 Sourcing Requirement. Under Section III.12.2.1.3 of the Tariff, prior to each
20 FCA, the ISO must determine the MRI value at various capacity levels for each
21 import-constrained Capacity Zone. For purposes of these calculations, the ISO
22 applies the same modeling assumptions and methodology used to determine the
23 Local Resource Adequacy Requirement, except that the capacity transfer

1 capability between the Capacity Zone under study and the rest of the New
2 England Control Area is reduced by the greater of: (i) the Transmission Security
3 Analysis Requirement minus the Local Resource Adequacy Requirement, and; (ii)
4 zero. By using a transfer capability that accounts for both the Transmission
5 Security Analysis Requirement and the Local Resource Adequacy Requirement,
6 the ISO applies the same “higher of” logic used in the Local Sourcing
7 Requirement to the derivation of the Capacity Zone Demand Curve for an import-
8 constrained Capacity Zone. Using the values calculated pursuant to Section
9 III.12.2.1.3 and the scaling factor specified in Section III.13.2.2.4 of the Tariff,
10 the ISO determines each import-constrained Capacity Zone’s Demand Curve
11 pursuant to Section III.13.2.2.2 of the Tariff. For the fourteenth FCA, the only
12 import-constrained Capacity Zone was SENE and, therefore, there was only one
13 import-constrained Capacity Zone Demand Curve.

14

15 **Q: PLEASE PROVIDE ADDITIONAL DETAILS REGARDING THE**
16 **DEVELOPMENT OF THE EXPORT-CONSTRAINED CAPACITY ZONE**
17 **DEMAND CURVES FOR THE NNE AND MAINE CAPACITY ZONES.**

18 A: Under Section III.12.2.1.3 of the Tariff, prior to each FCA, the export-constrained
19 Capacity Zone Demand Curve for each export-constrained Capacity Zone is
20 calculated using the same modeling assumptions and methodology used to
21 determine the export-constrained Capacity Zone’s Maximum Capacity Limit.
22 Using the values calculated pursuant to Section III.12.2.2.1 and the scaling factor
23 specified in Section III.13.2.2.4 of the Tariff, the ISO determines each export-

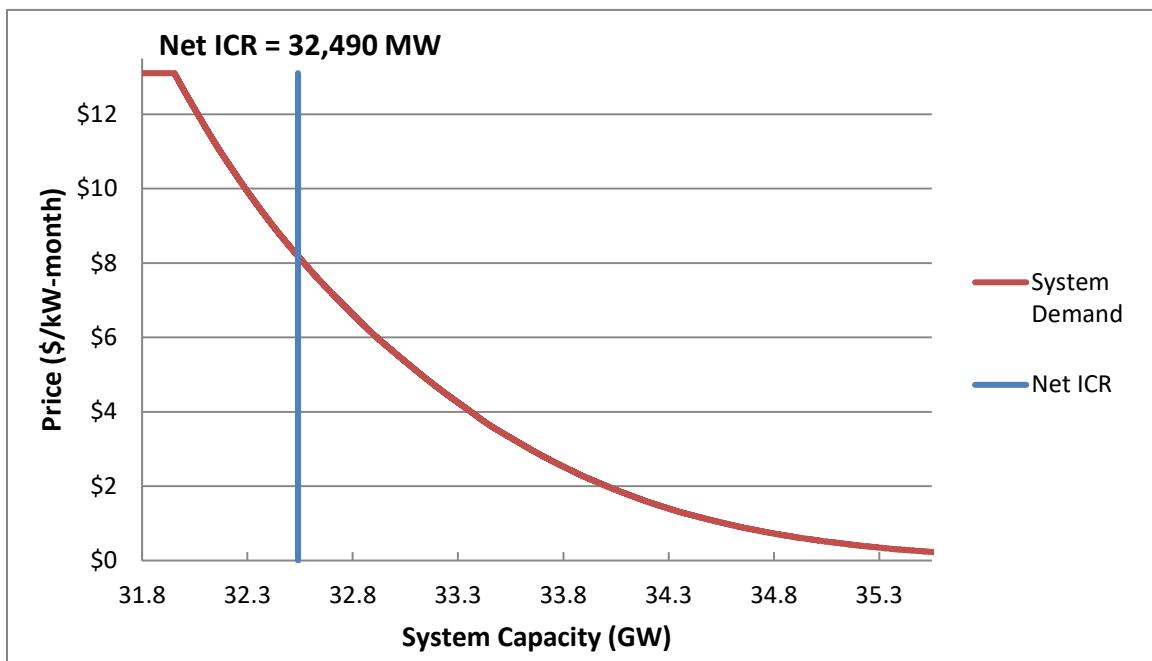
1 constrained Capacity Zone's Demand Curve pursuant to Section III.13.2.2.3 of
2 the Tariff. For the fourteenth FCA, there were two export-constrained Capacity
3 Zones, NNE and Maine, with Maine nested within NNE, and, therefore, there
4 were two export-constrained Capacity Zone Demand Curves.

5

6 **Q: PLEASE PROVIDE GRAPHS OF THE DEMAND CURVES THAT THE**
7 **ISO CALCULATED FOR THE FOURTEENTH FCA.**

8 A: As required under Section III.12 of the Tariff, the ISO calculated the following
9 Demand Curves for the fourteenth FCA:

10 1. System-Wide Capacity Demand Curve



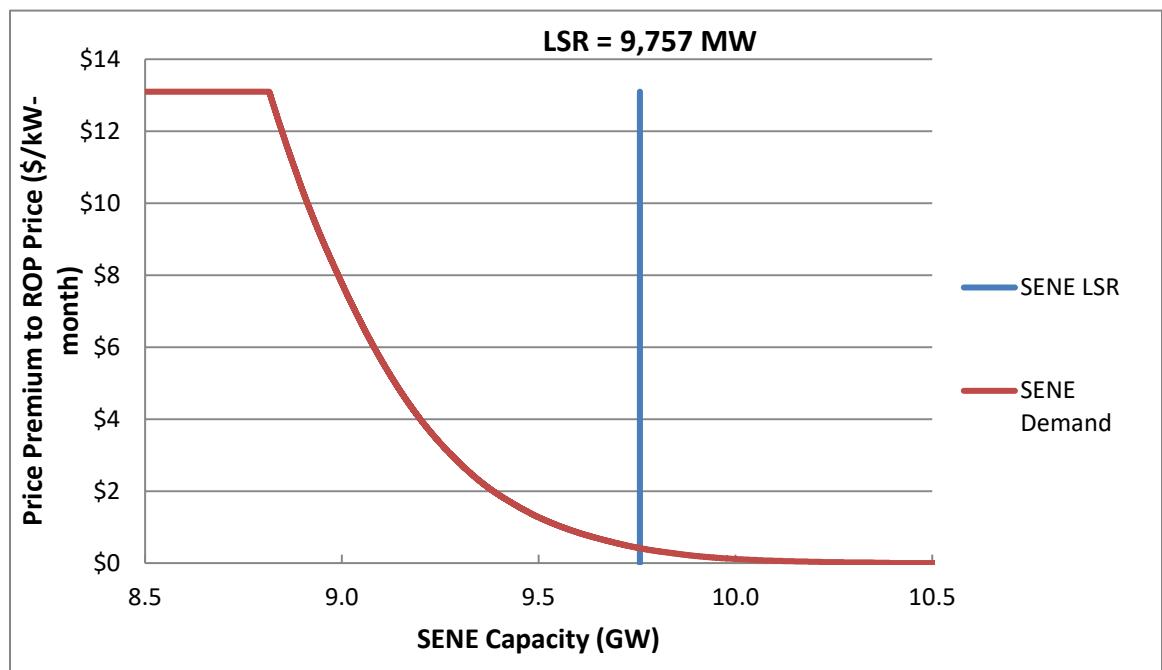
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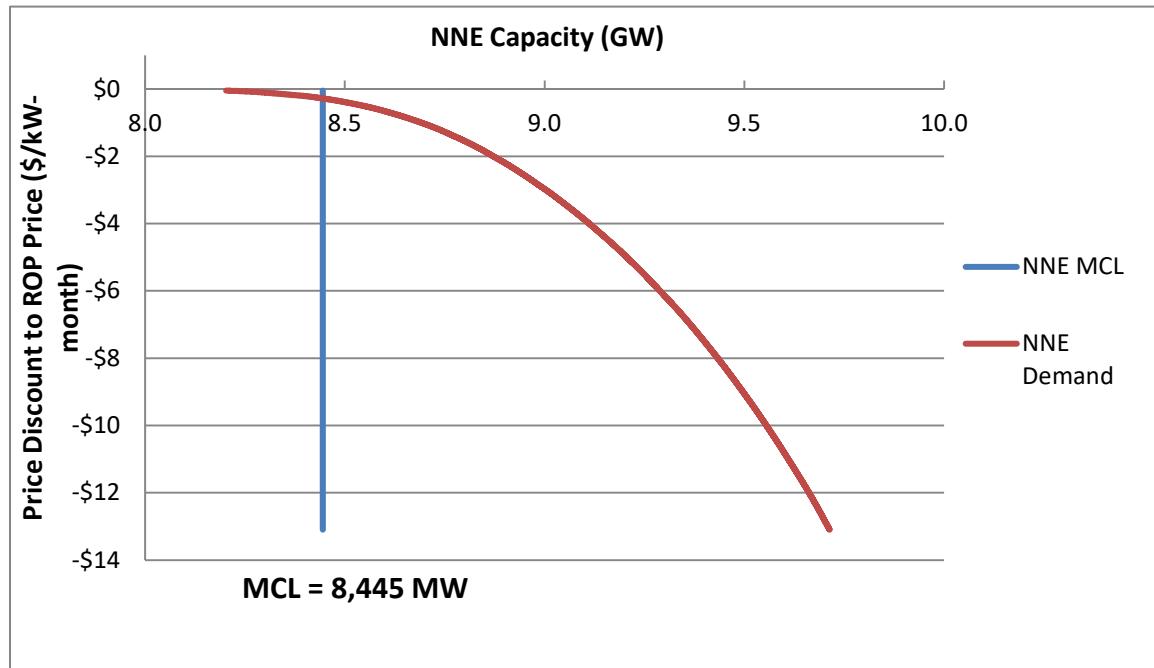
1 2. Import-constrained Capacity Zone Demand Curve for the SENE Capacity Zone

2

3



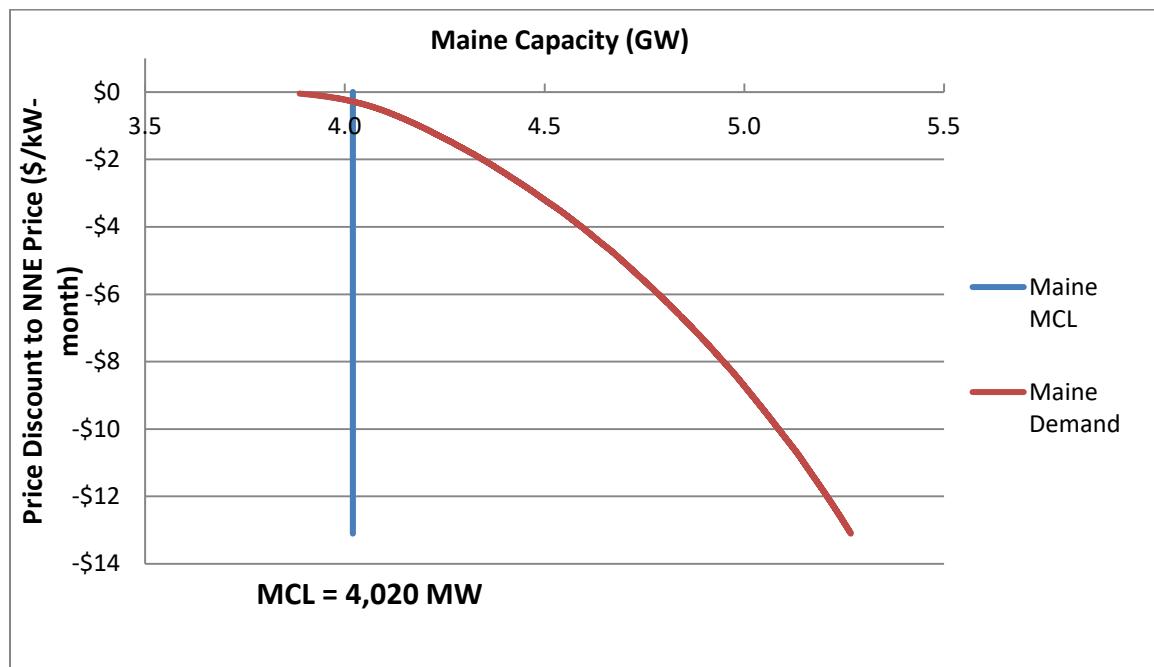
1 3. Export-constrained Capacity Zone Demand Curve for the NNE Capacity Zone



2

3

4 4. Export-constrained Capacity Zone Demand Curve for the Maine Capacity Zone

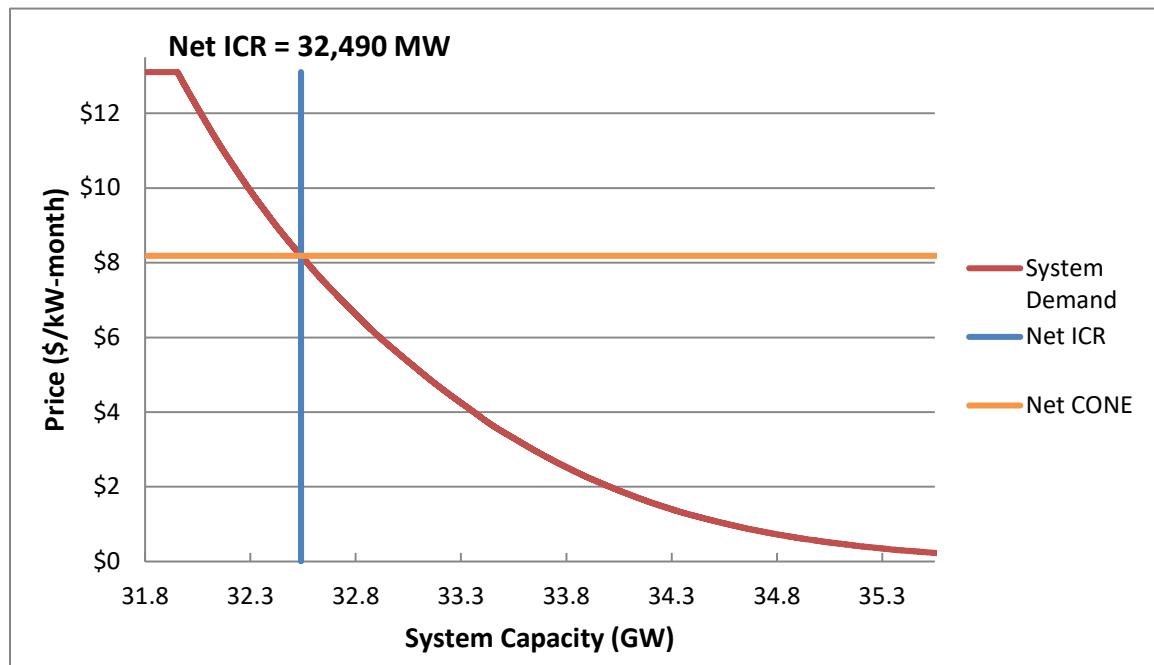


5

6

1 Q: **CAN YOU PROVIDE A GRAPH OF THE SYSTEM-WIDE CAPACITY
2 DEMAND CURVE ALONG WITH THE NET INSTALLED CAPACITY
3 REQUIREMENT (“NET ICR”) AND NET COST OF NEW ENTRY (“NET
4 CONE”) FOR THE FOURTEENTH FCA?**

5 A: Yes. Below is a graph of the System-Wide Capacity Demand Curve, Net CONE,
6 and Net ICR:



7
8 Q: **WHAT CAUSED THE DESCENDING CLOCK AUCTION TO CLOSE?**

9 A: The descending clock auction bound system-wide after the fifth round of bidding
10 and at a price below the Dynamic De-List Bid Threshold when several offer
11 withdrawals and Dynamic De-List Bids resulted in system-wide supply falling
12 short of system-wide demand.
13
14

**1 Q: WHAT WERE THE FORWARD CAPACITY AUCTION CLEARING
2 PRICES FOR THE CAPACITY ZONES?**

3 A: The descending clock auction commenced with a starting price of \$13.099/kW-
4 month and concluded for all Capacity Zones after five rounds of bidding.

5 Resources in all Capacity Zones will be paid at the Capacity Clearing Price set
6 pursuant to the System-Wide Capacity Demand Curve, which was \$2.001/kW-
7 month.⁶

8

Q: WHY WAS THE CAPACITY CLEARING PRICE \$2.001/KW-MONTH IN THE SENE, NNE, MAINE AND REST-OF-POOL CAPACITY ZONES?

11 A: Across the New England Control Area, at prices above \$2.001/kW-month,
12 system-wide supply was greater than system-wide demand. At prices below
13 \$2.001/kW-month, system-wide supply was less than system-wide demand. Offer
14 withdrawals and Dynamic De-List Bids at \$2.000/kW-month were marginal and
15 set the Capacity Clearing Price at \$2.001/kW-month. The entire quantity of the
16 marginal Dynamic De-List Bids and offer withdrawals were not needed to meet
17 the quantity demanded at \$2.001/kW-month. Dynamic De-List Bids can be
18 rationed, which means that they can be taken in part or in full. None of the
19 marginal offers were rationalable. To allow supply to precisely match demand, the
20 price-setting de-list bids in the fourteenth FCA were rationed to a withdrawal
21 quantity that resulted in system-wide supply meeting system-wide demand at

⁶ Existing Capacity 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. Capacity that was retained for reliability prior to the auction will be paid pursuant to Section III.13.2.5.2.5.1.

1 \$2.001/kW-month. This quantity maximized social surplus. The marginal
2 Existing Capacity Resources received prorated Capacity Supply Obligations
3 totaling the quantity necessary to meet system-wide demand, while the marginal
4 New Capacity Resources did not receive Capacity Supply Obligations. The
5 Capacity Clearing Price was \$2.001/kW-month because this was the lowest price
6 at which the marginal resources were willing to accept a Capacity Supply
7 Obligation. The marginal Dynamic De-List bids and offer withdrawals set the
8 Capacity Clearing Prices in the SENE, NNE, Maine and Rest-of-Pool Capacity
9 Zones at \$2.001/kW-month.

10

11 **Q: WHY WERE THE CAPACITY CLEARING PRICES FOR THE SENE,**
12 **NNE, AND MAINE CAPACITY ZONES THE SAME AS THE CAPACITY**
13 **CLEARING PRICE FOR THE REST-OF-POOL CAPACITY ZONE?**

14 A: An import-constrained zone's demand curve specifies the amount by which the
15 Capacity Clearing Price for the import-constrained zone should exceed the
16 Capacity Clearing Price for the Rest-of-Pool Capacity Zone (*i.e.*, the zone's
17 congestion price). The amount of the congestion price adder for an import-
18 constrained zone corresponds to the increase in overall system reliability (as
19 measured by EENS) for transferring capacity to the import-constrained zone from
20 the Rest-of-Pool Capacity Zone. However, above a certain capacity level, there is
21 no additional reliability benefit from transferring capacity to the import-
22 constrained zone from the Rest-of-Pool Capacity Zone, and therefore the import-
23 constrained zone's Capacity Clearing Price is the same as the Capacity Clearing

1 Price for the Rest-of-Pool Capacity Zone (*i.e.*, the congestion price is zero). At
2 the Capacity Clearing Price of \$2.001/kW-month for the Rest-of-Pool Capacity
3 Zone, there were sufficient offers from resources in the SENE Capacity Zone
4 such that they did not contribute any additional system reliability benefit than
5 offers from resources in the Rest-of-Pool Capacity Zone. Therefore, the
6 congestion price adder for the SENE Capacity Zone in the fourteenth FCA was
7 zero.

8

9 The demand curve for an export-constrained zone that is not nested within another
10 export-constrained Capacity Zone specifies the amount by which the Capacity
11 Clearing Price for the export-constrained zone should be less than the Capacity
12 Clearing Price for the Rest-of-Pool Capacity Zone (*i.e.*, the zone's congestion
13 price). The demand curve for an export-constrained zone that is nested within
14 another export-constrained Capacity Zone ("parent zone") specifies the amount
15 by which the Capacity Clearing Price for the export-constrained zone should be
16 less than the Capacity Clearing Price for the parent zone within which it is nested
17 (*i.e.*, the zone's congestion price).

18

19 The congestion price for an export-constrained zone is negative because
20 transferring capacity to an export-constrained zone from the Rest-of-Pool
21 Capacity Zone (if not nested), or from the parent zone (if nested), can reduce
22 overall system reliability (as measured by EENS). However, below a certain
23 capacity level, there is no reduction of reliability benefit from transferring

1 capacity into the export-constrained zone from the Rest-of-Pool Capacity Zone (if
2 not nested), or into the export-constrained zone from the parent zone (if nested).
3 Therefore, the export-constrained zone's Capacity Clearing Price is the same as
4 the Capacity Clearing Price for the Rest-of-Pool Capacity Zone (if not nested), or
5 the same as the parent zone (if nested); *i.e.*, the congestion price is zero. At the
6 Capacity Clearing Price of \$2.001/kW-month for the Rest-of-Pool Capacity Zone,
7 the total offers from resources in the NNE Capacity Zone were not high enough
8 such that they would contribute less system reliability benefit than offers from
9 resources in the Rest-of-Pool Capacity Zone. Therefore, the congestion price was
10 zero and the Capacity Clearing Price was \$2.001/kW-month for the NNE
11 Capacity Zone. Further, at the Capacity Clearing Price of \$2.001/kW-month in
12 the NNE Capacity Zone, the total offers from resources in the Maine Capacity
13 Zone were not high enough such that they would contribute less system reliability
14 benefit than offers from resources in the NNE Capacity Zone. Therefore, the
15 congestion price was zero and because the congestion price for the NNE Capacity
16 Zone was also zero, the Capacity Clearing Price was \$2.001/kW-month for the
17 Maine Capacity Zone.
18

19 **Q: WHAT WERE THE CAPACITY CLEARING PRICES ON THE
20 EXTERNAL INTERFACES?**

21 A: Imports over the New York AC Ties external interface, totaling 510.720 MW,
22 imports over the Phase I/II HQ Excess external interface, totaling 412 MW,
23 imports over the Hydro-Quebec Highgate external interface, totaling 64 MW, and

1 imports over the New Brunswick external interface, totaling 72 MW, will receive
2 \$2.001/kW-month.

3

4 **Q: FOLLOWING COMPLETION OF THE PRIMARY AUCTION-**
5 **CLEARING PROCESS, WAS A SUBSTITUTION AUCTION**
6 **ADMINISTERED? IF NOT, WHY?**

7 A: A substitution auction was not administered because no demand bid met the
8 requirements of a substitution auction demand bid, and at least one substitution
9 auction demand bid is necessary in order to conduct the substitution auction.
10 Specifically, in order for a demand bid to be submitted in the substitution auction,
11 the demand bid must meet the following requirements: (1) the demand bid must
12 have met all of the conditions to participate in the substitution auction as specified
13 in Section III.13.2.8.3 of the Tariff; (2) the associated Existing Capacity Resource
14 must have received a Capacity Supply Obligation in the primary auction-clearing
15 process as described in Section III.13.2.8.3.1. of the Tariff; and (3) ninety percent
16 of the resource's substitution auction test price must be at or below the Capacity
17 Clearing Price as described in Section III.13.2.8.3.3 of the Tariff. However, no
18 demand bids satisfied these criteria, and, for that reason, a substitution auction
19 was not conducted. Accordingly, while Section III.13.8.2 of the Tariff requires
20 the instant filing to include the substitution auction clearing prices and the total
21 amount of payments associated with any demand bids cleared at a substitution
22 auction clearing price above their demand bid prices, because a substitution
23 auction was not conducted, that information is not included in this filing.

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

2 A: Yes.

1 I declare that the foregoing is true and correct.

2

3

4

5

6

7 February 13, 2020



Robert G. Ethier

Attachment C

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

ISO New England Inc.

) Docket No. ER20-____-000

TESTIMONY OF ALAN MCBRIDE

¹ Capitalized terms used but not defined in this Affidavit are intended to have the meaning given to such terms in the ISO New England Inc. Transmission, Markets and Services Tariff.

1 Before joining the ISO, I worked at Dynegy Inc. and then at Calpine Corporation.
2 At both companies, I supported various transmission-related activities associated
3 with the development, interconnection, and commercial operation of merchant
4 generation facilities. Prior to joining Dynegy, I worked at Power Technologies
5 Incorporated (now a division of Siemens Industries), where I conducted various
6 transmission analysis studies, including the system impact studies of several
7 proposed generating facilities.

8

9 I have 23 years of experience in various aspects of power transmission system
10 analysis and transmission services. I hold a B.S. degree in Electrical Engineering
11 from University College Dublin, in Ireland, a Master's degree in Electric Power
12 Engineering from Rensselaer Polytechnic Institute, and an M.B.A. degree from
13 Purdue University.

14

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

16 A: The purpose of my testimony is to explain the ISO's reliability review of de-list
17 bids submitted in the fourteenth FCA.

18

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

21 A: As the ISO's Director of Transmission Services and Resource Qualification, I
22 oversaw the reliability review of all submitted de-list bids.

23

1 **Q:** **WHAT TYPES OF DE-LIST BIDS DOES THE ISO REVIEW?**

2 **A:** There are five different types of de-list bids that are reviewed for reliability:
3 Permanent De-List Bids, Retirement De-List Bids, Static De-List Bids, Export
4 De-List Bids, and Dynamic De-List Bids. With the exception of Dynamic De-
5 List Bids,² all de-list bids are submitted and reviewed for reliability in advance of
6 the FCA.

7

8 **Q:** **HOW MANY TYPES OF REVIEW DOES THE ISO PERFORM ON DE-
9 LIST BIDS?**

10 **A:** There are two types of review performed by the ISO on the de-list bids. I explain
11 each of those below.

12

13 **Q:** **PLEASE EXPLAIN THE FIRST TYPE OF REVIEW THAT THE ISO
14 PERFORMS ON DE-LIST BIDS.**

15 **A:** Pursuant to Section III.13.1.2.3.2 of the Tariff, prior to the auction, the ISO's
16 Internal Market Monitor ("IMM") reviews Export De-List Bids and Static De-List
17 Bids submitted above the Dynamic De-List Bid threshold, which was set at
18 \$4.300/kW-month for the fourteenth FCA, to determine whether the bids are
19 consistent with the resource's net risk-adjusted going forward and opportunity
20 costs. This review is not performed for Dynamic De-List Bids, which are

² Dynamic De-List Bids are reviewed for reliability as a part of the real-time auction process. *See Sections III.13.2.3.2 (d) and 13.2.5.2.5 of the Tariff.*

1 submitted during the auction itself, if the price drops below the Dynamic De-List
2 Bid threshold (\$4.300/kW-month for the fourteenth FCA).
3
4 In addition, prior to the auction, the IMM reviews all submitted Permanent and
5 Retirement De-List Bids regardless of price, and a filing was made on June 28,
6 2019 (Docket No. ER19-2312-000) indicating, on a confidential basis: (i) the
7 IMM's determination with respect to each Permanent De-List Bid and Retirement
8 De-List Bid, (ii) supporting documentation for each determination, (iii) the
9 capacity that will permanently de-list or retire prior to the FCA, and (iv) whether
10 capacity suppliers that submitted the bids have elected to conditionally or
11 unconditionally retire the capacity pursuant to Section III.13.1.2.4.1.³
12

13 **Q: PLEASE EXPLAIN THE SECOND TYPE OF REVIEW THAT THE ISO
14 PERFORMS ON DE-LIST BIDS.**

15 A: Pursuant to Section III.13.2.5.2.5 of the Tariff and ISO New England Planning
16 Procedure No. 10 – Planning Procedure to Support the Forward Capacity Market,
17 the ISO reviews each Retirement De-List Bid, Permanent De-List Bid, Export De-
18 List Bid, Administrative Export De-List Bid, and Static De-List Bid to determine
19 if the capacity associated with the bid is needed for local reliability during the
20 Capacity Commitment Period associated with the FCA. The Tariff provides that
21 capacity will be needed for local reliability if the absence of that capacity would

³ The Commission accepted the filing on October 8, 2019. See *ISO New England Inc.*, 169 FERC ¶ 61,015 (2019).

1 result in violation of any NERC, NPCC, or ISO criteria.⁴ If the capacity
2 associated with the de-list bid is determined not to be needed for local reliability,
3 and the auction price falls to or below the de-list bid price, the capacity associated
4 with the bid is removed from the auction.

5

6 **Q: FOR THE FOURTEENTH FCA, HOW MANY DE-LIST BIDS DID THE**
7 **ISO REVIEW FOR RELIABILITY?**

8 A: The ISO reviewed one Permanent De-List Bid totaling approximately 17 MW and
9 seven Retirement De-List Bids totaling approximately 109 MW.⁵ A total of 913
10 MW of pre-auction Static De-List Bids were submitted. However, pursuant to
11 Tariff Section III.13.1.2.3.1.1, prior to the auction, participants elected to
12 withdraw approximately 742 MW of their submitted Static De-List Bids. As a
13 result, the ISO reviewed 171 MW of Static De-List Bids. Finally, no Export De-
14 List Bids or Administrative Export De-List Bids were submitted for the fourteenth
15 FCA.

16

⁴ Section III.13.2.5.2.5 of the Tariff.

⁵ The totals noted above do not include 21 Permanent De-List Bids and four Retirement De-List Bid for resources that elected to not be reviewed for reliability (*i.e.* those 25 resources elected to be unconditionally retired). In addition, in the thirteenth FCA, as accepted by the Commission, Retirement De-List Bids for Mystic 8 and 9 were rejected for fuel security reasons. *See, ISO New England Inc.*, 164 FERC ¶ 61,003 (2018). Accordingly, in the thirteenth FCA, the ISO retained Mystic 8 and 9 for fuel security pursuant to Section III.13.2.5.2.5A of the Tariff. Pursuant to Section III.13.2.5.2.5A (j), the ISO is required to perform a reevaluation of any resource that was retained for fuel security in the preceding FCA, to determine if the resource is still needed for fuel security for the subsequent FCA. Therefore, in preparation for the fourteenth FCA, the ISO performed a reevaluation of the Mystic 8 & 9 fuel security retention and Mystic 8 & 9 were also retained for fuel security for the 2023-2024 Capacity Commitment Period in advance of the fourteenth FCA.

1 During the fourth round of the auction where the price fell below \$4.300/kW-
2 month (*i.e.*, the threshold for submission of Dynamic De-List Bids prescribed for
3 the fourteenth FCA), 41 Dynamic De-List Bids were submitted, seeking to delist
4 approximately 424 MW⁶. All Dynamic De-List Bids submitted were reviewed for
5 reliability.

6

7 During the fifth round of the auction, 188 Dynamic De-List Bids were submitted,
8 seeking to delist approximately 3,684 MW. De-List bids are reviewed for
9 reliability in descending price order. The ISO reviewed a sufficient quantity of
10 Dynamic De-List Bids associated with reaching the closing price of the auction.

11 In this case, during the auction, the ISO reviewed 110 of the Dynamic De-List
12 Bids submitted in the fifth round, totaling 1,994 MW.

13

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

17 **A:** No. The ISO's review of de-list bids did not show the need to retain for reliability
18 any resources that submitted de-list bids for the fourteenth FCA. Accordingly, the
19 ISO did not reject any de-list bids that it studied for the fourteenth FCA.

20

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

22 **A:** Yes.

⁶ The fourth round was the first round of the auction in which Dynamic De-List Bids could be submitted.

1 I declare that the foregoing is true and correct.

2

3

4

5

6

7 February 13, 2020

A handwritten signature consisting of the letters "AM" followed by a stylized surname, all written in black ink on a white background.

Alan McBride

Attachment D

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

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 Founder and Chairman 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 a Professor of Economics at the University of Maryland. My business
17 address is 3333 K St. NW Suite 425, Washington, DC 20007.

18
19 Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND
20 WORK EXPERIENCE.

21 A. I have an A.B. in Mathematics from Princeton University, an M.S. in
22 Mathematics from Stanford University, an M.L.S. in Legal Studies from Stanford
23 University, and a Ph.D. in Economics from Stanford University.

24 I am the Chairman of Power Auctions LLC, a provider of auction implementation
25 services and software worldwide. I was also the President of Market Design Inc.,
26 an economics consultancy that (until its dissolution in 2016) offered services in
27 the design of auction markets. I have played a lead role in the design and
28 implementation of: electricity auctions in France, Germany, Spain, Belgium and

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

12

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

14 A. The purpose of this testimony is to certify that the fourteenth Forward Capacity
15 Auction (“FCA”), which was held on February 3, 2020, was conducted in
16 accordance with the relevant provisions of the ISO New England Transmission,
17 Markets, and Services Tariff (“Tariff”) currently in effect. Section III.13.8.2(b) of
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 of the Tariff.

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 250 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. Currently, our software platform is also used for
14 implementing the UK's Capacity Market auctions and for implementing the
15 US Department of Interior's auctions of offshore wind energy tracts. Further,
16 Power Auctions LLC was part of the team that the US Federal Communications
17 Commission assembled to design and implement the FCC Incentive Auction
18 (2016–17), and it is prime contractor to the Governments of Australia, Canada
19 and the US for the ongoing design and implementation of spectrum auctions.

20

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

1 April 2-3, 2012; February 4-5, 2013; February 3, 2014; February 2, 2015;
2 February 8, 2016; February 6, 2017; February 5-6, 2018; and February 4, 2019.

3

4 **Q. WHAT WAS POWER AUCTIONS LLC'S ROLE IN THE FOURTEENTH
5 FCA HELD ON FEBRUARY 3, 2020?**

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

12

13 **Q. WAS THE FOURTEENTH FCA HELD ON FEBRUARY 3, 2020
14 CONDUCTED IN ACCORDANCE WITH SECTION III.13.2 OF THE
15 TARIFF?**

16 A. Yes. In accordance with Section III.13.8.2 (b) of the Tariff, I certify that, to the
17 best of my knowledge, the fourteenth FCA held on February 3, 2020 was
18 conducted in conformance with the provisions of Section III.13.2 of the Tariff.

19

20 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

21 A. Yes.

22

23

1 I declare that the foregoing is true and correct.

2

3 Executed on February 10, 2020

4

5

6

Lawrence Ausubel

Lawrence M. Ausubel

Curriculum Vitae

LAWRENCE M. AUSUBEL

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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).

Power Auctions LLC has been a technology provider of auction design, auction software, implementation services and intellectual property since 2003. The PowerAuctions™ software platform has been used for more than 250 high-stakes auctions on six continents, with total transaction values approaching \$100 billion.

President, Market Design Inc. (2003 – 2016).

Until its dissolution in 2016, Market Design Inc. was a consultancy of leading economists and game theorists (Al Roth, Peter Cramton, R. Preston McAfee, Paul Milgrom, Robert Wilson, et al) that worked 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 advice 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 and PSSR auctions, 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.

Advised the Secretaría de Energía (SENER) by preparing an expert report on Mexico's first two capacity auctions and by providing advice for future auctions, 2016.

Provided expert bidding advice to a confidential client in India's 500 MW solar auction, 2015.

Advisor to the US government (Federal Communications Commission) on the design and implementation of the FCC Incentive Auction and ongoing spectrum auctions and universal service fund auctions, 2011 – present.

Advisor to the Canadian government (Innovation, Science and Economic Development Canada) on the design and implementation of the 600 MHz, 700 MHz, 2.5 GHz and 3.5 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, 2008).

Teaching

Econ 456	Law and Economics (Undergraduate; Maryland)
Econ 603	Microeconomic Analysis (Ph.D.; Maryland)
Econ 661	Industrial Organization (Ph.D.; Maryland)
Econ 704	Advanced Microeconomics: Market Design (Ph.D.; Maryland)
Mngrl Econ D30	Intermediate Microeconomics (M.B.A.; Northwestern)
Mngrl Econ D45	Regulation and Deregulation (M.B.A.; Northwestern)

Publications

“An Experiment on Auctions with Endogenous Budget Constraints” (with Justin E. Burkett and Emel Filiz-Ozbay), *Experimental Economics*, Vol. 20, No. 4, pp. 973-1006, December 2017.

“A Practical Guide to the Combinatorial Clock Auction” (with Oleg V. Baranov), *Economic Journal*, Vol. 127, No. 605 (Feature Issue), pp. F334-F350, October 2017.

“Efficient Procurement Auctions with Increasing Returns” (with Oleg V. Baranov, Christina Aperjis and Thayer Morrill), *American Economic Journal: Microeconomics*, Vol. 9, No. 3, pp. 1-27, August 2017.

“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. 265-285, 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.
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“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.

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“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.

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“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.

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

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“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov), October 2017.

“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.
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- “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.

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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 Annual Congress, 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.

“Efficient Procurement Auctions with Increasing Returns” (with Oleg V. Baranov, Christina Aperjis and Thayer Morrill), Workshop on Auction Design, University of Vienna, August 2016.

“Vickrey-Based Pricing in Iterative First-Price Auctions” (with Oleg V. Baranov), Workshop on Auction Design, University of Vienna, August 2016.

“Efficient Procurement Auctions with Increasing Returns” (with Oleg V. Baranov, Christina Aperjis and Thayer Morrill), NBER Market Design Conference, Palo Alto, CA, October 2016.

“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov), Tenth Biannual Conference on Economic Design, York, UK, June 2017.

“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov),
NBER Market Design Conference, Cambridge, MA, October 2017.

“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov),
New Perspectives on Spectrum Policy Workshop, U Penn Law School, April 2018.

“Revealed Preference and Activity Rules in Auctions” (with Oleg V. Baranov), keynote talk,
York Annual Symposium on Game Theory 2018, York, UK, June 2018.

“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov),
INFORMS Workshop on Mathematical Optimization in Market Design, Ithaca, NY,
June 2018.

“Market Design and the FCC Incentive Auction” (with Christina Aperjis and Oleg V. Baranov),
European Economic Association Annual Congress, Cologne, August 2018.

Professional Service

Mentored the National Winner of the 2017-18 Siemens Competition in Math, Science and
Technology (Andrew Komo of Bethesda, MD).

Member of working group for the design and implementation of the FCC Incentive Auction
for the US Federal Communications Commission, 2011 – 2017.

Advisor to Innovation, Science and Economic Development Canada for the design and
implementation of 600 MHz, 700 MHz and 2.5 GHz spectrum auctions, 2011 – present.

Advisor to the Australian Communications and Media Authority for the design and
implementation of the Australian Digital Dividend Auction and future 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.

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