

ISO New England Manual for the
Forward Capacity Market (FCM)
Manual M-20

Revision: 24
Effective Date: February 3, 2017

Prepared by
ISO New England Inc.

**ISO New England Manual for the
Forward Capacity Market (FCM)
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Revision History

<i>Approval</i>	REV-1
<i>Revision History</i>	REV-1

Welcome to the *ISO New England Manual for the Forward Capacity Market*.

About This Manual

The *ISO New England Manual for the Forward Capacity Market* is one of a series of manuals within the ISO New England set of manuals. This manual focuses on the procedures for the Forward Capacity Market (FCM) administered by the ISO pursuant to Section III.13 of Market Rule 1. (Section III of the [ISO New England Inc. Transmission, Markets, and Services Tariff](#) (Tariff) is referred to as Market Rule 1.)

This manual was written assuming that the reader has read Market Rule 1 before or in conjunction with using this manual. Generally, terms that are capitalized in this manual shall have the meaning ascribed to them in the Tariff. For other terms and acronyms, see the [glossary and acronyms section](#) on the website. The various deadlines associated with participation in the qualification process for a particular Forward Capacity Auction can be found [here](#).

Section 1 of this manual provides a list of actions that may or must be taken by Market Participants participating in the FCM pursuant to Section III.13.1 through III.13.5 of the Tariff.

Section 2 of this manual is organized as a set of matrices. The Market Participant Action Matrices identify for each provision of Market Rule 1, the resource type(s) to which the provision applies and, where the provision requires an action by the Market Participant, a statement of the action and information regarding the ISO process or system to be used by the Market Participant to complete that action.

Section 3 of this manual describes requirements applicable to Dispatchable Asset Related Demand.

Section 1: Market Participant Actions

The actions discussed below are to be performed in the Forward Capacity Tracking System (FCTS) unless otherwise stated. For the details on how to perform each action within FCTS, please refer to the training material and/or the FCM Participation guide.

1.1 New Generating Capacity Resources

Section III 13.1.1, unless otherwise stated.

- a) Become a [Market Participant](#) by the Market Participant deadline (Section III.13.1). This process takes approximately two months to complete.
- b) Submit [Interconnection Request\(s\)](#) prior to close of New Capacity Show of Interest Submission Window.
- c) Submit [New Capacity Show of Interest Form](#) during the New Capacity Show of Interest Submission Window.
- d) Pay [Qualification Process Cost Reimbursement Deposit](#) (Section III.13.1.9.3 and the ISO New England Billing Policy, Exhibit ID to Section I of the Tariff).
- e) Submit [New Capacity Qualification Package](#) by the New Capacity Qualification Deadline.
- f) Market Participant/Project Sponsor may reduce requested capacity prior to the capacity reduction deadline via a request to ISO Customer Support.
- g) Retrieve [qualification determination notification](#) (QDN) for each resource after the QDN deadline.
- h) If applicable, submit request to be treated as a Renewable Technology Resource by the Renewable Technology Resource election deadline.
- i) Market Participant/Project Sponsor may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant/Project Sponsor can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- j) Retrieve Forward Capacity Auction (FCA) [Qualified Capacity](#) for each resource. (Section III.13.1.5.A.)
- k) Market Participant/Project Sponsor may submit [self-supply designation](#) by the self-supply deadline (Section III.13.1.6).
- l) Market Participant/Project Sponsor may withdraw from qualification process prior to sponsor withdrawal deadline via a request to ISO Customer Support.
- m) Post [FCM Deposit](#) (Section III.13.1.9).
- n) Elect critical path schedule (CPS) monitoring by the CPS monitoring deadline (Section III.13.3.1.1).
- o) Post full [financial assurance](#) in accordance with the ISO New England Financial Assurance Policy (Exhibit IA to Section I of the Tariff).
- p) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.2 New Import Capacity Resources

Section III 13.1.3, unless otherwise stated. These actions are also applicable to Import Capacity Resources associated with an Elective Transmission Upgrade (ETU).

- a) Become a [Market Participant](#) by the Market Participant deadline (Section III.13.1). This process takes approximately two months to complete.
- b) For Import Capacity Resources associated with Elective Transmission Upgrades only: Submit [Interconnection Request\(s\)](#) prior to close of New Capacity Show of Interest Submission Window.
- c) Submit [New Capacity Show of Interest Form](#) during the New Capacity Show of Interest Submission Window.
- d) Pay [Qualification Process Cost Reimbursement Deposit](#) (Section III.13.1.9.3 and the ISO New England Billing Policy, Exhibit ID to Section I of the Tariff).
- e) Submit [New Capacity Qualification Package](#) by the New Capacity Qualification Deadline.
- f) For a Market Participant/Project Sponsor with a resource-backed Import Capacity Resource that would like to obtain a Capacity Supply Obligation for a Capacity Commitment Period prior to the Capacity Commitment Period associated with the Forward Capacity Auction in which the resource first participated: Submit one-year contracts for previous Capacity Commitment Periods by the New Capacity Qualification Deadline.
- g) Market Participant/Project Sponsor may reduce requested capacity prior to the capacity reduction deadline via a request to ISO Customer Support.
- h) Retrieve [qualification determination notification](#) (QDN) for each resource after the QDN deadline.
- i) Market Participant/Project Sponsor may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant/Project Sponsor can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- j) Retrieve [FCA Qualified Capacity](#) for each resource. (Section III.13.1.5.A.)
- k) Market Participant/Project Sponsor may submit [self-supply designation](#) by the self-supply deadline (Section III.13.1.6).
- l) Market Participant/Project Sponsor may withdraw from qualification process prior to sponsor withdrawal deadline via a request to ISO Customer Support.
- m) Post [FCM Deposit](#) (Section III.13.1.9).
- n) Elect critical path schedule (CPS) monitoring by the CPS monitoring deadline (Section III.13.3.1.1).
- o) Post full [financial assurance](#) in accordance with the ISO New England Financial Assurance Policy (Exhibit IA to Section I of the Tariff).
- p) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.3 New Demand Resources

Section III 13.1.4, unless otherwise stated.

- a) Become a [Market Participant](#) by the market participant deadline (Section III.13.1). This process takes approximately two months to complete.
- b) Demand Response Capacity Resource or Real-Time Emergency Generation only:
Retrieve [Dispatch Zone](#) information.
- c) Submit [New Demand Resource Show of Interest Form](#) during New Capacity Show of Interest Submission Window.
- d) Pay [Qualification Process Cost Reimbursement Deposit](#) (Section III.13.1.9.3 and the ISO New England Billing Policy, Exhibit ID to Section I of the Tariff).
- e) Submit [New Capacity Qualification Package](#) by the New Capacity Qualification Deadline.
- f) Retrieve [qualification determination notification](#) (QDN) for each resource after the QDN deadline.
- g) For On-Peak Demand Resources only: Submit Renewable Technology Resource election by the Renewable Technology Election deadline (Section III.13.1.1.2.9).
- h) Market Participant/Project Sponsor may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant/Project Sponsor can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- i) Retrieve [FCA Qualified Capacity](#) for each resource. (Section III.13.1.5.A.)
- j) Market Participant/Project Sponsor may withdraw from qualification process prior to sponsor withdrawal deadline via a request to ISO Customer Support.
- k) Post [FCM Deposit](#) (Section III.13.1.9).
- l) Elect critical path schedule (CPS) monitoring by the CPS monitoring deadline (Section III.13.3.1.1).
- m) Post full [financial assurance](#) in accordance with the ISO New England Financial Assurance Policy (Exhibit IA to Section I of the Tariff).
- n) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.4 Existing Generating Capacity Resources

Section III 13.1.2, unless otherwise stated.

- a) [Review summer and winter Qualified Capacity](#) to ensure values were calculated in accordance with the Tariff.
- b) Market Participant may notify the ISO that the ISO-determined summer or winter Qualified Capacity was not calculated correctly via a [challenge](#) during the existing capacity challenge window.
- c) Market Participant with a resource flagged for a [significant decrease in capacity](#) may submit a restoration plan by the Existing Capacity Retirement Deadline.
- d) Market Participant wishing to submit a de-list bid may request that the Internal Market Monitor provide historical and other data used to calculate the net going forward costs via a request to ISO Customer Support.
- e) Market Participant may submit bid to [remove capacity permanently](#) via a Retirement or Permanent De-list Bid by the Existing Capacity Retirement Deadline.
- f) Market Participant may submit bid to [remove capacity for a single Capacity Commitment Period](#) via a Static, Export De-list Bid, or Administrative Export De-list Bid by the Existing Capacity Qualification Deadline.
- g) For a Market Participant that submitted a Retirement or Permanent De-list Bid, retrieve the Internal Market Monitor retirement determination notification (RDN) for each resource after the RDN deadline.
- h) For a Market Participant that submitted a Static or Export De-list Bid, retrieve the Internal Market Monitor qualification determination notification (QDN) for each resource after the QDN deadline.
- i) After receiving the QDN, a Market Participant may lower the price of or withdraw any price-quantity pair of a Static De-list Bid during the Static De-list Bid finalization period.
- j) Market Participant may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- k) Market Participant may submit [self-supply designation](#) by the self-supply deadline (Section III.13.1.6).
- l) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.5 Existing Import Capacity Resources

Section III 13.1.3, unless otherwise stated. These actions are also applicable to Import Capacity Resources associated with Elective Transmission Upgrades.

- a) [Review summer and winter Qualified Capacity](#) to ensure values were calculated in accordance with the Tariff.
- b) Market Participant may notify the ISO that the ISO-determined summer or winter Qualified Capacity was not calculated correctly via a [challenge](#) during the existing capacity challenge window.
- c) Market Participant with a resource flagged with a [significant decrease in capacity](#) may submit a restoration plan by the Existing Capacity Retirement Deadline.
- d) Market Participant wishing to submit a de-list bid may request that the Internal Market Monitor provide historical and other data used to calculate the net going forward costs via a request to ISO Customer Support.
- e) Market Participant may submit bid to [remove capacity permanently](#) via a Retirement or Permanent De-list Bid by the Existing Capacity Retirement Deadline.
- f) Market Participant may submit bid to [remove capacity for a single Capacity Commitment Period](#) via a Static De-list Bid by the Existing Capacity Qualification Deadline.
- g) For a Market Participant that submitted a Retirement or Permanent De-list Bid, retrieve the Internal Market Monitor retirement determination notification (RDN) for each resource after the RDN deadline.
- h) For a Market Participant that submitted a Static De-list Bid, retrieve the Internal Market Monitor qualification determination notification (QDN) for each resource after the QDN deadline.
- i) After receiving the QDN, a Market Participant may lower the price of or withdraw any price-quantity pair of a Static De-list Bid during the Static De-list Bid finalization period.
- j) Market Participant may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- k) Market Participant may submit [self-supply designation](#) by the self-supply deadline (Section III.13.1.6).
- l) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.6 Existing Demand Resources

Section III 13.1.4, unless otherwise stated.

- a) [Review Demand Reduction Values and summer and winter Qualified Capacity](#) to ensure values were calculated in accordance with the Tariff.
- b) Market Participant may notify the ISO that the ISO-determined summer or winter Qualified Capacity was not calculated correctly via a [challenge](#) during the existing capacity challenge window.
- c) Market Participant with a resource flagged for a [significant decrease in capacity](#) may submit a restoration plan by the Existing Capacity Retirement Deadline.
- d) Market Participant may submit optional [Updated Measurement and Verification Plan](#) during the existing capacity challenge window.
- e) For On-Peak and Seasonal Peak Resources only: Request a change in [Demand Resource type](#) by submitting an Updated Measurement and Verification Plan to reflect that change during the existing capacity challenge window.
- f) For resources with a Capacity Supply Obligation in the current Capacity Commitment Period: Submit annual certification that the Demand Resource continues to perform in accordance with the submitted Measurement and Verification Documents during the existing capacity challenge window, via an email to DRAudits@iso-ne.com.
- g) Market Participant wishing to submit a de-list bid may request that the Internal Market Monitor provide historical and other data used to calculate the net going forward costs via a request to ISO Customer Support.
- h) Market Participant may submit a bid to [remove capacity permanently](#) via a Retirement or Permanent De-list Bid by the Existing Capacity Retirement Deadline.
- i) Market Participant may submit bid to [remove capacity for a single Capacity Commitment Period](#) via a Static De-list Bid by the Existing Capacity Qualification Deadline.
- j) For a Market Participant that submitted a Retirement or Permanent De-list Bid, retrieve the Internal Market Monitor retirement determination notification (RDN) for each resource after the RDN deadline.
- k) For a Market Participant that submitted a Static De-list Bid, retrieve the Internal Market Monitor qualification determination notification (QDN) for each resource after the QDN deadline.
- l) After receiving the QDN, a Market Participant may lower the price of or withdraw any price-quantity pair of a Static De-list Bid during the Static De-list Bid finalization period.
- m) Market Participant may submit an offer composed of separate resources ([composite offer](#)) (Section III.13.1.5). Market Participant can use the [Seasonal Resources Capacity eBulletin Board](#) to assist in finding composite offer partners.
- n) Review FERC informational filing after the FERC filing is made (Section III. 13.1.8).

1.7 Forward Capacity Auction

Section III 13.2, unless otherwise stated.

- a) Market Participant may participate in mock auction(s). The mock auction provides a realistic simulation of the Forward Capacity Auction and an opportunity for authorized individuals to become familiar with the auction system and to test their understanding of bidding procedures through several rounds.
- b) Participate in the [Forward Capacity Auction](#). Qualified Capacity may be offered into or withdrawn from the Forward Capacity Auction by authorized individual(s) identified by the Market Participant.
 - i. The auction system ([bidding software](#) – access available only to registered users) will be the means by which bidders shall submit their bids during the auction. The bidding website will only be accessible using ISO security protocols and access will be limited to authorized individuals of bidders.
 - ii. The auction manager will make available to bidders a user guide in advance of each auction. This document will provide detailed instructions to bidders on the conduct of the auction, in particular, in relation to the use of the auction system and to communication between bidders and the auction manager during the auction.
 - ii. Market Participant may submit New Capacity Offers at or above the applicable New Resource Offer Floor Price and may submit Dynamic De-list Bids below the Dynamic De-list Bid threshold.

1.8 Critical Path Schedule Monitoring

Section III 13.3, unless otherwise stated.

- a) Market Participant with Non-Commercial Capacity must submit quarterly critical path schedule (CPS) reports no later than five business days after the end of each calendar quarter (January, April, July, October). Submissions should detail the progress from the last submission to the current submission.
- b) Market Participant with projects on monthly CPS monitoring must submit monthly CPS reports no later than five days after the end of each calendar month. Submissions should detail the progress from the last submission to the current submission. For Demand Resources on simple CPS only: Market Participants must submit Critical Path Schedule Report Form - Active DR and Passive DR projects as part of the CPS submittal.
- c) For Demand Resources on simple CPS only: Market Participants must submit a pipeline analysis if the proposed cumulative Demand Reduction Value is 30% or less of the total project by the second CPS target date.
- d) For Import Capacity Resources that would like to participate in early Capacity Commitment Periods (CCPs) only: Market Participants must elect CPS Monitoring.
- e) Market Participant/Project Sponsor may withdraw a project partially or fully from CPS monitoring via a request to ISO Customer Support.
- f) Market Participant/ Project Sponsor with projects that will not achieve Commercial Operation by the start of the Capacity Commitment Period may take action to cover the entire Capacity Supply Obligation associated with the project for that Capacity Commitment Period, prior to the start of the obligated period.
- g) Market Participant/ Project Sponsor of generation projects only that will not achieve Commercial Operation by the start of the Capacity Commitment Period may seek to [defer their Capacity Supply Obligation](#) for one year via a request to Commission made no later than the first business day in November of the year prior to the third annual reconfiguration auction.
 - i. Market Participant/Project Sponsor seeking such a deferral must notify the ISO via a request to ISO Customer Support no later than the first business day in September of the year prior to the third annual reconfiguration auction for the Capacity Commitment Period in which the resource has a Capacity Supply Obligation.
- h) Market Participant registers Resources.
 - a. Refer to the ISO New England Manual for Registration and Performance Auditing for instructions on resource and asset registration.
- i) Demonstrate [performance](#) once resource is able to demonstrate its capability.

1.9 Reconfiguration Auctions and Capacity Supply Obligation Bilaterals

Section III 13.4 or 13.5, unless otherwise stated.

- a) First and second annual reconfiguration auctions and Capacity Supply Obligation Bilateral periods:
- i. For Import Capacity Resources only: Submit documentation on the amount of capacity available to back the resource by the fifth business day in October.
 - ii. Retrieve [Qualified Capacity](#) after the ISO announces the bid and offer limits. See [calendar](#) (Click on link scroll down on page) for specific dates.
 - iii. Market Participant may submit an annual [Capacity Supply Obligation Bilateral](#) via the FCM Capacity Supply Obligation Bilateral Contracts user interface during the annual [Capacity Supply Obligation Bilateral submission window](#). See [calendar](#) (Click on link scroll down on page) for specific dates.
 - iv. Market Participant may participate in annual [reconfiguration auction](#).
- b) Third annual reconfiguration auction and Capacity Supply Obligation Bilateral period:
- i. For Import Capacity Resources only: Submit documentation on the amount of capacity available to back the resource by the fifth business day in October.
 - ii. Retrieve information on any [significant decrease in capacity](#) in October before the start of the Capacity Commitment Period.
 - iii. For resources identified as having a significant decrease in capacity:
 1. Market Participant may submit [restoration plan](#), using the [restoration plan form](#) during the 10 business day window after the ISO notifies Market Participant of a significant decrease in capacity on a resource.
 - iv. Retrieve [Qualified Capacity](#) after the ISO announces the bid and offer limits. See [calendar](#) (Click on link scroll down on page) for specific dates.
 - v. Market Participant may submit seasonal or annual [Capacity Supply Obligation Bilaterals](#) via the FCM Capacity Supply Obligation Bilateral Contracts user interface during the third annual bilateral period.
 - vi. Market Participant may participate in annual [reconfiguration auction](#).
- c) Monthly reconfiguration auctions and monthly Capacity Supply Obligation Bilateral periods:
- i. Retrieve [Qualified Capacity](#) after the ISO announces the bid and offer limits. See [calendar](#) for specific dates.
 - ii. Market Participant may submit monthly [Capacity Supply Obligation Bilaterals](#) via the FCM Capacity Supply Obligation Bilateral Contracts user interface during the monthly period.
 - iii. Market Participant may participate in monthly [reconfiguration auctions](#).

1.10 Capacity Load Obligation Bilaterals

Section III 13.5.2, unless otherwise stated.

- a) Market Participant may submit a Capacity Load Obligation Bilateral, via the Internal Transactions user interface accessible on the [SMD applications home page](#). The following validations are enforced by the settlement process.
- i. A Capacity Load Obligation Bilateral can only be confirmed by the confirming Market Participant when the window for submitting Capacity Load Obligation Bilaterals is open for confirmation.
 - ii. The window for confirmation is the same as the window for submission.
 - iii. The following information on a confirmed contract may be revised and submitted throughout the resettlement process by the parties to the transaction:
 1. MW amount (if original contract was submitted in monthly schedules)
 2. Term - End date only on monthly boundaries (If shortened, latter months are terminated.)
 - Any revisions must be confirmed by the other party. If “Contract Only” confirmation level is selected at the time of initial contract submission, the monthly MW amount revisions are confirmed automatically. The window for confirmation of revisions is the same as the window for submissions.
 - A Capacity Load Obligation Bilateral may be terminated throughout the resettlement process by either party to the transaction. Any termination must be confirmed by the other party. The window for Capacity Load Obligation Bilateral termination is the same as the window for submissions.

1.11 Supplemental Availability Bilaterals

Section III 13.5.3, unless otherwise stated.

- a) Market Participant may designate a portion of a resource's capacity as a supplemental capacity resource for a specific term.
- b) After a Shortage Event, participants may enter into a [Supplemental Availability Bilateral](#) based upon any available unobligated capacity within the Shortage Event, via the Internal Transactions user interface accessible on the [SMD applications home page](#). (A certificate is required to access this link. Contact ISO Customer Support for details).

Section 2: Market Participant Action Matrices

2.1 Market Participant Action Matrix – Sample and Key

The Market Participant Action Matrix is formatted as follows.

A				B	C	D	E
Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/ Additional Information	System and/or Process
D R	G C	I C	I P				
X	X	X	X	13.6	Complete Participant Membership Process	Complete and mail all of the following to the ISO membership coordinator: <ol style="list-style-type: none"> 1. Membership application [DOC] 2. Application fee [PDF] 3. New Member Credit Application 4. Additional financial assurance requirements [DOC] 5. Security Administrator Signatory Page [PDF] 6. Completed W-9 or W-8, as applicable 	For information on how to submit participant membership applications and other materials, see the ISO's website, Registration Information - http://www.iso-ne.com/support/reginfo/index.html .

The following table provides further detail and explanation regarding the manual matrix.

Market Participant Action Matrix Key																			
Column	Explanation																		
A	<p>Resource Type. These columns identify the resource type to which each Market Rule 1 provision applies (reflected by an “X”). The resource types are identified below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Matrix Abbreviation</th> <th style="text-align: center;">Resource Type as defined in Market Rule 1</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">DR</td> <td>Real-Time Demand Response Resource</td> </tr> <tr> <td style="text-align: center;">DR</td> <td>Real-Time Emergency Generation Resource</td> </tr> <tr> <td style="text-align: center;">DR</td> <td>On-Peak Demand Resource</td> </tr> <tr> <td style="text-align: center;">DR</td> <td>Seasonal Peak Demand Resource</td> </tr> <tr> <td style="text-align: center;">GC</td> <td>Generating Capacity Resource</td> </tr> <tr> <td style="text-align: center;">IC</td> <td>Import Capacity Resource</td> </tr> <tr> <td style="text-align: center;">IP</td> <td>Intermittent Power Resource¹</td> </tr> <tr> <td style="text-align: center;">IP</td> <td>Intermittent Settlement Only Resource</td> </tr> </tbody> </table>	Matrix Abbreviation	Resource Type as defined in Market Rule 1	DR	Real-Time Demand Response Resource	DR	Real-Time Emergency Generation Resource	DR	On-Peak Demand Resource	DR	Seasonal Peak Demand Resource	GC	Generating Capacity Resource	IC	Import Capacity Resource	IP	Intermittent Power Resource ¹	IP	Intermittent Settlement Only Resource
Matrix Abbreviation	Resource Type as defined in Market Rule 1																		
DR	Real-Time Demand Response Resource																		
DR	Real-Time Emergency Generation Resource																		
DR	On-Peak Demand Resource																		
DR	Seasonal Peak Demand Resource																		
GC	Generating Capacity Resource																		
IC	Import Capacity Resource																		
IP	Intermittent Power Resource ¹																		
IP	Intermittent Settlement Only Resource																		
B	<p>Market Rule 1 Section Number. This column identifies by provision number and title the Market Rule 1 provision at issue and serves as an indexing function for the reader.</p>																		
C	<p>Participant Action. This column defines the action that each provision of Market Rule 1 requires a Market Participant to take. Entries are provided for those provisions requiring or permitting a Market Participant action. The user must refer to the Market Rule 1 provision as stated in the Tariff for a complete statement of the required or permitted action and the eligibility of the Market Participant to take that action, as well as any precursor steps that may be required. If no entry appears in this column for a provision, the ISO has determined that the provision does not describe a required or permitted Market Participant action.</p>																		

¹ All Intermittent Power Resources are Generating Capacity Resources; however, not all Generating Capacity Resources are Intermittent Power Resources. Therefore, any reference to an Intermittent Power Resource will also include a reference to Generating Capacity Resource.

Market Participant Action Matrix Key	
Column	Explanation
D	Description of Participant Deliverables/Additional Information. This column provides additional implementation detail regarding the deliverable that the Market Rule 1 provision requires or permits the Market Participant to provide. If no entry is made in this column for a provision, Market Rule 1 provides sufficient detail to enable the Market Participant to determine the form and format of the Market Participant deliverable(s) and action(s).
E	System and/or Process. This column identifies the ISO system or process (as applicable) that the Market Participant must use to complete the required or permitted actions or submit the required deliverables.

2.2 Rights and Obligations

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
1		X			13.6.1.1.1	Submit energy market Offer Data.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Demand Bid and Supply Offer data is submitted to the ISO using the eMkt system.
2		X			13.6.1.1.2	Re-declaration to the ISO of any changes to the parameters of a Day-Ahead Energy Market or Real-Time Energy Market offer that occur in real time.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Demand Bid and Supply Offer data is submitted to the ISO using the eMkt system.
4		X			13.6.1.1.5(a) 1.7.11	Conduct a summer Seasonal Claimed Capability Audit at least once every Capability Demonstration Year and a	See OP-23 – Generation Resource Auditing, SOP-OUTSCH 0010.0020 Scheduling Capability, Claim 10_30 and MRR Audits, and CROP.45002	

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
						winter Seasonal Claimed Capability Audit at least once in the previous three Capability Demonstration Years to establish summer and winter Seasonal Claimed Capability ratings.	Auditing.	
5		X			13.6.1.1.5(b)	Submit Operating Data for Generating Capacity Resources having a Capacity Supply Obligation.	Information describing the GADS Data collection process can be found at http://www.iso-ne.com/genrtion_resrcs/gads/ .	Information is submitted using PowerGADS found at https://iso-ne.powergads.com/ .
7			X		13.6.1.2.1	Submit energy market Offer Data.	See the “User Guide for External Transactions Using EES” at http://www.iso-ne.com/participate/support/user-guides .	Enhanced Energy Scheduling (EES) system.
8			X		13.6.1.2.2(a)	Submit information regarding External Transactions associated with resource or Control Area backed Import Capacity Resources.		Contact ISO Customer Support for additional information
9			X		13.6.1.2.2(b)	Request approval of planned and maintenance outage schedules for Import Capacity Resources.	Resource backing Import Capacity Resources must request approval of planned and maintenance outage schedules following the requirements detailed in ISO New England OP5 for a Generator. Control Area backed Import	Planned outage requests submitted via e-mail to: opamoreq@iso-ne.com . Maintenance outage requests are submitted to the Generation Coordinator at 413-535-

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
							Capacity Resources are prohibited from requesting planned and maintenance outages. Procedures for scheduling outages are described in OP-5 Generator and Dispatchable Asset Related Demand Maintenance and Outage Scheduling.	4378.
10			X		13.6.1.2.2(c)	Comply with outage schedule changes issued by the ISO.	Procedures for scheduling outages are described in OP-5 Generator and Dispatchable Asset Related Demand Maintenance and Outage Scheduling.	Planned outage requests submitted via e-mail to: opamoreq@iso-ne.com. Maintenance outage requests are submitted to the Generation Coordinator at 413-535-4378.
10 A			X		13.6.1.2.2(d)	Provide for each External Transaction a reference to the associated Import Capacity Resource.		Contact ISO Customer Support for additional information.
10 B			X		13.6.1.2.3(c)	Notify the ISO of outage schedules.	Resource backing Import Capacity Resources at an external interface for which the enhanced scheduling provisions in Section III.1.10.7.A are implemented must notify the ISO of outage schedules in accordance with ISO New England	Planned outage notifications submitted via e-mail to: opamoreq@iso-ne.com. Maintenance outage notifications are

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
							OP-5 Generator and Dispatchable Asset Related Demand Maintenance and Outage Scheduling.	submitted to the Generation Coordinator at 413-535-4378.
10 C				X	13.6.1.2.3(d)	Provide for each Coordinated External Transaction submitted to the Day-Ahead Energy Market a reference to the associated Import Capacity Resource.		Contact ISO Customer Support for additional information.
11				X	13.6.1.3.1	Submit Intermittent Power Resource output projections.		Contact ISO Customer Support for additional information.
12				X	13.6.1.3.1	Submit offers in the Real-Time Energy Market.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Bid and Offer data is submitted to the ISO using the eMkt system.
13				X	13.6.1.3.3(a)	Submit operational data to allow determination of summer and winter Seasonal Claimed Capability ratings.		Contact ISO Customer Support for additional information.
14				X	13.6.1.3.3(b) 13.6.1.4.2(b)	Submit Operating Data.	Information describing the GADS Data collection process and requirements can be found at http://www.iso-ne.com/genrtion_resrcs/gads/ . ISO does not require all Intermittent Power and Settlement Only	Information is submitted using PowerGADS found at https://iso-ne.powergads.com/ .

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
							Resources to submit GADS Data.	
15				X	13.6.1.3.3(c)	Request approval of planned and maintenance outage schedule.	Intermittent Power Resources must request approval of planned and maintenance outage schedules, following the requirements detailed in ISO New England OP-5 for a generator. Procedures for scheduling outages are described in OP-5 Generator and Dispatchable Asset Related Demand Maintenance and Outage Scheduling.	Planned outage requests submitted via e-mail to: opamoreq@iso-ne.com. Maintenance outage requests are submitted to the Generation Coordinator at 413-535-4378.
16				X	13.6.1.4.2(a)	Submit operational data to allow determination of summer and winter Seasonal Claimed Capability ratings.		Contact ISO Customer Support for additional information.
17	X				13.6.1.5.2	Submit updated two-day forecasts of a Demand Resource's Forecast Hourly Demand Reduction.	Forecast must be submitted for each Operating Day by a Market Participant with a Real-Time Demand Response Resource or a Real-Time Emergency Generation Resource.	Contact ISO Customer Support for additional information.
18	X				13.6.1.5.3	Submit a monthly forecast of the resource's monthly maximum Forecast Hourly Demand Reduction for each of the next 12 months.	Data must be submitted by a Market Participant with a Real-Time Demand Response Resource or a Real-Time Emergency Generation Resource.	Contact ISO Customer Support for additional information.

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
18a	X				13.6.1.5.4	Request a Seasonal DR Audit or Commercial Operation Audit through the DR Audit and Testing Tool at https://smd.iso-ne.com		Contact ISO Customer Support for additional information.
18b				X	13.6.1.6.1	DNE Dispatchable Generator offer requirements are described in Market Rule 1 Sections III.13.6.1.6.1 and III.13.6.2.1.1.2.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Supply Offer data is submitted to the ISO using the eMkt system.
19		X			13.6.2.1.1.1	Submit an offer into the Day-Ahead Energy Market of a Generating Capacity Resource having no Capacity Supply Obligation.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Demand Bid and Supply Offer data is submitted to the ISO using the eMkt system.
20		X			13.6.2.1.1.2	Submit an offer into the Real-Time Energy Market of a Generating Capacity Resource having no Capacity Supply Obligation.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Bid and Offer data is submitted to the ISO using the eMkt system.
21		X			13.6.2.1.2(a) 1.7.11	Conduct a summer Seasonal Claimed Capability Audit every Capability Demonstration Year and a winter Seasonal Claimed Capability Audit at least once in the previous three Capability Demonstration Years to establish summer and	See OP-23 – Generation Resource Auditing, SOP-OUTSCH 0010.0020 Scheduling Capability, Claim 10_30 and MRR Audits, and CROP.45002 Auditing.	

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
						winter Seasonal Claimed Capability ratings.		
22		X			13.6.2.1.2(b)	Submit Operating Data to the ISO.	Information describing the GADS Data collection process can be found at http://www.iso-ne.com/genrtion_resrcs/gads/ . This requirement pertains to all generating Resources including those having no Capacity Supply Obligation.	PowerGADS found at https://iso-ne.powergads.com/ .
23					13.6.2.1.2(c)	Notify ISO of planned and maintenance outages.	Market Participant must comply with outage scheduling requirements to notify ISO of planned and maintenance outlined in the ISO New England Operating Procedure #5 and ISO New England Manuals. Generating Capacity Resources having no Capacity Supply Obligation are not subject to the forced re-scheduling provisions for outages in accordance with the ISO New England Manuals and ISO New England Operating Procedures.	Planned outage requests submitted via e-mail to: opamoreq@iso-ne.com. Maintenance outage requests are submitted to the Generation Coordinator at 413-535-4378.
24				X	13.6.2.3.2(a)	Schedule audit to determine	See OP-23 – Generation Resource	Contact ISO Customer

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
					1.5.1	capacity rating.	Auditing.	Support for additional information.
25				X	13.6.2.3.2(b)	Submit Operating Data to the ISO.	Information describing the GADS Data collection process can be found at http://www.iso-ne.com/genrtion_resrcs/gads/ .	Information is submitted using PowerGADS found at https://iso-ne.powergads.com/ .
26				X	13.6.2.4.2(a) 1.7.11	Conduct a summer Seasonal Claimed Capability Audit every Capability Demonstration Year and a winter Seasonal Claimed Capability Audit at least once in the previous three Capability Demonstration Years to establish summer and winter Seasonal Claimed Capability ratings.	See OP-23 – Generation Resource Auditing, SOP-OUTSCH 0010.0020 Scheduling Capability, Claim 10_30 and MRR Audits, and CROP.45002 Auditing.	
27				X	13.6.2.4.2(b)	Submit Operating Data to the ISO.	Information describing the GADS Data collection process can be found at http://www.iso-ne.com/genrtion_resrcs/gads/ . Required of Settlement Only Resources.	Information is submitted using PowerGADS found at https://iso-ne.powergads.com/ .
28		X			13.6.4	Reply to the ISO’s request for energy either affirmatively, or negatively.	Market Participant to deliver reliability energy in real-time in an amount and duration specified by the ISO and agreed to by the	EMS, RT-UDS

	Resource Type				Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P				
							generating resource's Designated Entity.	

2.3 Performance, Payments and Charges

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
1	X	X	X	X		13.7	Notify the ISO of a change in ownership of a resource that has a Capacity Supply Obligation.	Notify the ISO of changes in the Lead Market Participant for a Capacity Resource.	Contact ISO Customer Support for additional information.
2		X				13.7.1.1.3(a)-(h)	Submit a resource's Economic Maximum Limit. Re-declare a resource's Economic Maximum Limit.	See the eMkt User Guide at http://www.iso-ne.com/participate/support/user-guides .	Demand Bid and Supply Offer data is submitted to the ISO using the eMkt system.
3		X				13.7.1.1.4(b)	Indicate on a planned outage request that the outage should be considered exempt from penalties.	Upon submittal of the outage request to the ISO, and at least 15 calendar days prior to the beginning of the outage, indicate the outage should be considered exempt. This will reduce the resources annual and major maintenance period allotment hours.	Generating resources: Requests will be made in CROW system or by planned outage requests submitted via e-mail to: opamoreq@iso-ne.com. Import Capacity Resources and Settlement Only Resources: Outage request should be submitted to ISO Customer Support

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
									(custserv@iso-ne.com). The request should include the begin and end dates of the outage, the amount of the outage, and whether it should be considered exempt for FCM availability penalty purposes.
4		X				13.7.1.1.5	Submit information demonstrating that the reasons for inadequate availability scores have been remedied by a resource the ISO has determined is a Poorly Performing Resource.	The ISO will notify Market Participants if their resources are considered to be Poorly Performing Resource.	Contact ISO Customer Support for additional information.
5			X			13.7.1.2(a)-(b), (d)	Submit External Transaction and designation of the MWs associated with that Transaction to the ISO.	See the “User Guide for External Transactions Using EES at http://www.iso-ne.com/participate/support/user-guides .	Enhanced Energy Scheduling (EES) system.
6			X			13.7.1.2.1	Submit planned outage information to the ISO.	Request can be made by an Import Capacity Resource backed by a single External Resource. The outage must be approved in the ISO’s annual maintenance scheduling process.	Outage requests should be submitted to ISO Customer Support.

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
								<p>Requests must include the following information:</p> <ul style="list-style-type: none"> • Asset identification number • Outage begin date • Outage end date • Outage amount, in MW • Seasonal Claimed Capability value of the unit backing the Resource <p>In the request, indicate that the outage MWs should be used to increase the resource’s hourly availability score if a Shortage Event were to occur during the outage period.</p> <p>Request must be submitted no later than 15 calendar days prior to the outage date.</p>	

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
7				X		13.7.1.4.1	<p>Meter the output for an hour of a Non-Intermittent Settlement Only Resource.</p>	<p>Metering requirements are described in “OP 18 - Metering and Telemetering Criteria” and Manual 28 – Market Rule 1 Accounting.</p> <p>Indicate on a planned outage request that the outage should be considered exempt from penalties.</p> <p>Outage requests must be approved in the ISO’s annual maintenance scheduling process. Requests must include the following information:</p> <ul style="list-style-type: none"> • Asset identification number • Outage begin date • Outage end date • Outage amount, in MW • Seasonal Claimed Capability value of the asset <p>Submit planned outage information to the ISO no</p>	<p>Outage requests from Non-Intermittent Settlement Only Capacity Resources are submitted to ISO Customer Support.</p>

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
								later than 15 calendar days prior to the outage date. In the request, indicate that the outage MWs should be used to increase the resource's hourly availability score if a Shortage Event were to occur during the outage period.	
8	X					13.7.1.5.4 13.7.1.5.5	Submit engineering estimates or audit results pursuant to a Measurement and Verification Plan to supplement missing data.	Available for Seasonal Peak and On-Peak Demand Resources entering services at a time such that there is incomplete performance data to establish summer or winter seasonal Demand Reduction Values. Measurement and verification procedures are described in the ISO New England Manual for Measurement and Verification of Demand Reduction Value from Demand Resources.	Contact ISO Customer Support for additional information.
9	X					13.7.1.5.5 13.7.1.5.7 13.7.1.5.8	Notify the ISO of election to conduct an audit before the end of a month to	Available for Seasonal Peak Demand Resources, Real-Time Demand Response	Contact ISO Customer Support for additional information.

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
							establish a Demand Reduction Value for a subsequent month in which there are no event hours.	and Real-Time Emergency Generation Resources. Measurement and verification procedures are described in the ISO New England Manual for Measurement and Verification of Demand Reduction Value from Demand Resources.	
10					By 13:00 of the second Business Day after each Operating Day	13.7.3	Submit a Load Asset's peak contribution value for each day of the month.	Each Load Asset's Assigned Meter Reader is required to submit a peak contribution value for each Operating Day of a Capacity Commitment Period month.	Peak contributions are submitted to the Peak Contribution user interface (a SMD Application).
11						13.7.3	As needed, submit percentage ownership changes for Load Assets.	As ownership changes for Load Assets, these changes are required to be submitted to the ISO prior to the effective date of the change. Please contact ISO New England's Customer Support department for specific timing of this requirement.	Ownership changes for Load Assets must be submitted to Customer Support at custserv@iso-ne.com .
12						13.7.3	As needed, submit	As entitlement changes for	HQ Phase I or II

	Resource Type				Master Schedule Step/Event Identifier	Market Rule 1 § III Section Number	Participant Action	Description of Participant Deliverables/Additional Information	ISO System and/or Process
	D R	G C	I C	I P					
							percentage entitlement changes for HQ Phase I or II.	HQ Phase I or II, these changes are required to be submitted to the ISO 30 days prior to the effective date of the change. Please contact ISO New England's Customer Support department for questions about this requirement.	entitlement changes must be submitted to Customer Support at custserv@iso-ne.com .

Section 3: Requirements Applicable to Dispatchable Asset Related Demands

3.1 Establishing and Adjusting Dispatchable Asset Related Demand Coincident Peak Contribution

The Coincident Peak Contribution of a Dispatchable Asset Related Demand is initially set equal to the Nominated Consumption Limit submitted during the Asset Registration Process. The Coincident Peak Contribution reflects the capability of the Dispatchable Asset Related Demand to reduce its consumption to the Nominated Consumption Limit recognizing that the Dispatch Instructions at the time of the yearly coincident peak may require the Dispatchable Asset Related Demand to consume at a level greater than that Nominated Consumption Limit.

The Host Participant Assigned Meter Reader submitted Peak Contribution values of Dispatchable Asset Related Demands will be adjusted by the ISO as follows:

- (a) Adjustments based on the results of audits (the audit process is described in the *ISO New England Manual for Registration and Performance Auditing, M-RPA*).
- (b) Adjustments for customer additions or deletions calculated by the Host Participant Assigned Meter Reader as described in Section 3.1.1.2 of this manual.
- (c) Adjustments for non-conformance with specific Bid and Redeclaration requirements (this adjustment is described in Section 3.1.1.1 of this manual).

3.1.1 Adjustments to Dispatchable Asset Related Demand Peak Coincident Contribution

For every hour of any day, the Lead Market Participant associated with a Dispatchable Asset Related Demand must offer a Minimum Consumption Limit that is less than or equal to its Nominated Consumption Limit by submitting a Demand Bid into the Day-Ahead Energy Market. Scheduling and offering procedures are described in the *ISO New England Manual for Market Operations, M-11*.

For any hour of any day that the Dispatchable Asset Related Demand cannot reduce to its Minimum Consumption Limit, the Lead Market Participant must notify the ISO Operations Department through submission of a Redeclaration of Minimum Consumption Limit.

Extended process outages associated with Dispatchable Asset Related Demand facilities that would significantly increase the Dispatchable Asset Related Demand's Minimum Consumption Limit must be reported to the ISO in advance according to the procedures described in OP-5 and reflected in the Demand Bid.

3.1.1.1 DISPATCHABLE ASSET RELATED DEMAND NON-CONFORMING DEMAND BID ADJUSTMENT

For each Capacity Commitment Period, the ISO will calculate an adjustment for non-conforming Demand Bids. This evaluation will be performed during Shortage Event hours in the prior Capacity Commitment Period, and will include hours for which a Dispatchable Asset Related Demand submitted, either via its Demand Bids into the Day-Ahead Energy Market or via a Redeclaration in Real-Time, a Minimum Consumption Limit greater than its Nominated Consumption Limit. The adjustment, calculated in MW to three decimal places, will be applied in the calculation of the Dispatchable Asset Related Demand's Coincident Peak Contribution values for the Capacity Commitment Period. So as to provide Dispatchable Asset Related Demands some ability to manage constraints for their processes by temporarily redeclaring their Minimum Consumption Limits, an exception will automatically be granted for any hour for which a redeclaration of the Minimum Consumption Limit to a level above the Nominated Consumption Limit is submitted following a Dispatch Instruction to increase consumption. This exemption will be applied to the hour in which the Dispatch Instruction was issued and to all remaining hours of the Operating Day.

The Capacity Commitment Period Adjustment MW shall equal the total of all Violation MW divided by the total Shortage Event Hours, where:

Violation MW = the sum of (Minimum Consumption Limit – Nominated Consumption Limit) for each identified Capacity Commitment Period Shortage Event hour in which a justifiable bidding violation has occurred.

3.1.1.2 DISPATCHABLE ASSET RELATED DEMAND METERING ADJUSTMENT

Coincident Peak Contributions are assigned to physical locations, and so contributions may be added or deleted only if a location consuming energy itself is added or eliminated. Movement of customers among existing locations shall not justify an adjustment to Coincident Peak Contributions.

If a new load is added, the Host Participant Assigned Meter Reader with responsibility for reporting the load of that premise, meter, or account shall assign a Coincident Peak Contribution value to that premise, meter, or account. The Coincident Peak Contribution assigned will be based on the class average load shape of the relevant load class. In addition, the permanent departure of customer load from the New England Control Area will result in the deletion of the Coincident Peak Contribution value associated with that load. An example of such a permanent departure would be the shutdown and demolition of a factory. To maintain the integrity of the load-shift accounting process, the Host Participant Assigned Meter Reader shall re-scale the Coincident Peak Contributions reported for each Load Asset to maintain the total Coincident Peak Contribution value reported by that Host Participant Assigned Meter Reader for the year.

In the event that a net change in position of 10% or more of a Metering Domain's contribution to the New England Control Area coincident peak is reached, the Host Participant Assigned Meter Reader shall report such change to the ISO. If after verification it is determined that the net gain or loss of customers by a Host Participant is 10% or more, the ISO shall change the Coincident Peak Contribution value to be reported by the Host

Participant Assigned Meter Reader, as well as changing the denominator of the system-wide allocation equation. The impact of these adjustments is to reallocate the net gain or loss of load within a particular Metering Domain to the New England Control Area as a whole.

To remain equitable with other load types, Dispatchable Asset Related Demand Resources will be subject to such adjustments and the value of these adjustments will be added to the Resource's Nominated Consumption Limit during the calculations of the capacity obligation.

For each month of each Capacity Commitment Period, the ISO will calculate a metering adjustment for Dispatchable Asset Related Demand Resources based on the following two values:

- (a) The registered value of the historic Coincident Peak Contribution. This value is included with asset registration information provided to the ISO and is referred to in the Asset registration/change form as the "Baseline Pool Peak Contribution MW".
- (b) The submitted values of daily Coincident Peak Contributions, otherwise known as daily tags as provided by the Host Participant Assigned Meter Reader.

The monthly metering adjustment described above will be calculated in MW to three decimal places as follows:

Metering Adjustment = the average of the daily Coincident Peak Contribution for days the Resource is active plus the registered value of the Resource's Baseline Pool Peak Contribution MW.

Attachment A: Reserved

Attachment B: Reserved

Attachment C: Host Participant Assigned Meter Reader Requirements

The following describes the Host Participant Assigned Meter Reader's procedures for determining and reporting to the ISO, each Load Asset identification number share of the daily Coincident Peak Contribution, with the exception of loads that are assigned a Coincident Peak Contribution of zero for the purposes of assigning obligations and tracking load shifts as described in Section III.13.7.3.1 of Market Rule 1, for which the Host Participant Assigned Meter Reader has meter reading responsibility. The Host Participant Assigned Meter Reader shall:

- (1) Determine each individual customer's contribution to peak load, using the utility specific customer identifier(s) such as premise, meter, or account number.
 - (a) The customer's contribution to peak load shall reflect the hourly integrated electric consumption, on the peak day and hour as specified by ISO, adjusted for losses and unaccounted for energy below the PTF.
 - (i) If hourly interval billing metered data was used for load estimation and reporting to ISO, the individual customer's contribution to peak load should be based upon the hourly metered usage.
 - (ii) If hourly interval billing metered data was not used for load estimation and reporting to the ISO, the individual customer's contribution to peak load shall be based upon the hourly estimated value determined using the relevant retail regulatory authority's customer load profiling techniques.
- (2) The aggregation of individual customers by Load Asset that is used for the settlement reporting to ISO for the Energy Market shall also be used to aggregate the individual customer's contribution to coincident peak load (plus losses and unaccounted for energy). This aggregated value will be the Load Asset's Coincident Peak Contribution.
- (3) The Host Participant Assigned Meter Reader will report to the ISO, for each registered Load Asset within the metering domain, each Load Asset's Coincident Peak Contribution value, in MW to three decimal places. The sum of all the Load Assets being reported by each Host Participant Assigned Meter Reader will equal the total metering domain's Coincident Peak Contribution for each settlement day.
- (4) The individual Load Assets' Coincident Peak Contribution value within a metering domain will be scaled to reflect customer additions and deletions that occur within the metering domain during the Capacity Commitment Period. The individual customer's contribution(s) to peak load value shall be used to assign capacity obligations for the Capacity Commitment Period.

- (5) If the coincident peak load details (i.e. date, hour end, and total load by Meter Domain) reported by the ISO are preliminary then, instead of determining each individual customer's contribution to peak load, the Host Participant Assigned Meter Reader may determine Coincident Peak Contribution values at the Load Asset level.

Changes to individual Load Asset Coincident Peak Contribution values may be submitted to the ISO for the Data Reconciliation Process and the Meter Data Error correction request process, as appropriate. Changes to individual Load Asset Coincident Peak Contribution values resulting from final coincident peak load details reported by the ISO shall be submitted to the ISO for the Data Reconciliation Process and the Meter Data Error Correction request process, as appropriate.

Attachment D: Reserved

Attachment E: Reserved

Attachment F: Reserved

Attachment G: Reserved

Attachment H: Reserved

Attachment I: Northeast MOU General ICAP Principles

The following are the external ICAP provisions from the Northeast Memorandum of Understanding between PJM, New York and New England.

Considerations and Requirements for External ICAP Transactions

These general principles establish a common understanding for ICAP products transacted (purchase/sale) across Control Area boundaries for the ICAP markets established by the ISO, NYISO and PJM.

Planning Principles

- I. The minimum duration for the transaction must be the minimum duration required for a purchase by the market rules of the Operating Jurisdiction of the purchasing entity.
- II. The buyer/seller must demonstrate/verify to their appropriate Operating Jurisdictions that the ICAP resource is not committed to or sold to more than one Operating Jurisdiction.
- III. Delivery of the ICAP energy cannot be subject to frequent and routine curtailment due to transmission constraints. Therefore, to reasonably ensure deliverability when called upon, the following are required for ICAP recognition:
 - a) firm transmission service or equivalent delivery guarantee to the sink Operating Jurisdiction's border across restricted or congested external transmission. This means that curtailment for transmission security is done in accordance with the applicable tariffs on a comparable basis with other firm customers, including firm load (see Curtailment Principles for details).
 - b) deliverability within the sink Operating Jurisdiction must meet the requirements of that system and should be consistent with the deliverability requirements of internal generators.

Scheduling Principles

- I. When scheduled, the energy associated with the ICAP purchase must be backed by operating capacity. "Backed by operating capacity" will mean that the source Operating Jurisdiction is committing generating capacity to provide for the transaction. The source or any intervening Operating Jurisdictions cannot count the scheduled energy as operating reserve and cannot curtail the transaction as a result of loss of resource contingencies on their systems (except as allowed under Curtailment Principle I b and I c on the source system only).
- II. The energy associated with an ICAP contract must be schedulable on at least a daily basis provided any unit specific resource is not on a recognized outage.

- III. The ICAP and associated energy must be a bundled resource (i.e. the energy bids associated with a specified resource must be bid according to the sink Operating Jurisdictions market rules). This does not preclude a system ICAP contract provided:
- a) the ICAP and associated energy are from the same jurisdiction and same seller.
 - b) such a sale is allowed by the market rules of the source and sink jurisdictions.
 - c) all applicable requirements of the source, intermediate and sink Operating Jurisdictions are satisfied by the seller and buyer.

Current Day Call Principles

- I. When experiencing a capacity shortage, the sink Operating Jurisdiction has first call rights in accordance with their market requirements, to the energy that is being produced or could be produced by the ICAP resource, whether or not the energy had been previously scheduled by the buyer.
- II. The ICAP supplier is obligated to provide available energy in accordance with the sink Operating Jurisdiction's market rules

Curtailement Principles

- I. When a sink Operating Jurisdiction has exercised its rights to the capacity and energy associated with an ICAP transaction, the transaction can only be curtailed for the following conditions on the source and external intervening systems:
 - a) to correct or prevent a violation of voltage, stability, or thermal transmission limits / criteria in accordance with transmission tariffs for the level of transmission service associated with the ICAP contract.
 - b) for an ICAP contract that is resource specific, temporary unavailability of the resource on which the contract is based.
 - c) for a system contract (as allowed under Scheduling Principle IIIb), which is backed by all the resources in the source system, the capacity and energy may be curtailed by the source Operating Jurisdiction for capacity and energy shortage conditions on a pro-rata basis and concurrent with the shedding of source systems firm load.

This means the energy associated with an ICAP transaction cannot be curtailed as a result of, or to avoid the following conditions on the source or intervening Operating Jurisdictions system:

- a) capacity shortage conditions resulting in the implementation of voltage reduction and/or load shedding, except as provided for a system contract above.

- b) generator losses other than the identified source specific resource associated with the ICAP transaction.

Attachment K: Maintenance Allotment Hours

A Resource's hourly availability score may be increased when an Asset associated with the Resource is on a planned outage. Market Participants may indicate when submitting a planned outage request in accordance with ISO New England Operating Procedure No. 5 that the outage is to be considered exempt. In such cases the associated Resource's hourly available MWs may be increased by an amount up to the outage MWs requested, provided that the Resource has not exceeded the maintenance allotment hour limits regarding exempt approved planned outages at the time of the Shortage Event as described in Table K-1 below, and subject to the other provisions and conditions below.

Equivalent Planned Outage Hours

For each hour of a planned outage for which a Resource has requested exemption, the ISO will calculate an Equivalent Planned Outage Hour as shown below.

$$EPOH = \text{Eligible MWs} / \text{CSO}$$

where:

EPOH = Equivalent Planned Outage Hour

CSO = the resource's Capacity Supply Obligation

Eligible MWs = the MW increase to a resource's hourly available MWs, equal to:

$$\text{Eligible MWs} = \max (\min (\text{MWs}_{\text{requested}}, \text{CSO} - \max (\text{SCC} - \text{MWs}_{\text{requested}}, 0)), 0)$$

where:

$\text{MWs}_{\text{requested}}$ = the asset MWs requested in the planned outage submittal

SCC = the asset's applicable Seasonal Claimed Capability at the beginning of the planned outage, and the SCC at the beginning of each month during the outage

The calculation of Equivalent Planned Outage Hours will begin at the later of either the approved planned outage start time or the actual planned outage start time, and end at the earlier of either the approved planned outage end time or the actual planned outage end time. For these purposes the actual start of a planned outage will be when the ISO issues a Dispatch Instruction for the Asset to shutdown or otherwise acknowledges that the Asset is henceforth unavailable for dispatch per the scheduled planned outage. The actual end time of a planned outage will be when the Asset is released to the ISO for commitment or dispatch instructions. As of June 1, 2010 the cumulative Equivalent Planned Outage Hours for all Resources shall be zero.

If the ISO delays a request to shutdown an Asset or otherwise delays a request to begin a planned outage per the scheduled and approved outage start time and date, the Eligible MWs related to the planned outage will be used to adjust the Resource's hourly availability score if a Shortage Event occurs after the scheduled start time and date but before the actual outage start time and date. In such cases, the Eligible MWs of the planned outage would likewise be used to adjust the hourly availability score of the Resource if a Shortage Event

occurs after the scheduled end time and date but before a period has elapsed equal to the time between the scheduled outage start time and date and the actual start time and date.

Maintenance Allotment Hours

During qualification, each Generating Capacity Resource will be assigned to one of the types listed in Table K-1. For each generator type, a Maximum Exempt Planned Maintenance Hours per Capacity Commitment Period limit, a Major Maintenance Period in years, and a Maximum Equivalent Planned Maintenance Hours per Major Maintenance Period is specified.

Maximum Exempt Planned Maintenance Hours per Capacity Commitment Period is the maximum number of Equivalent Planned Outage Hours that may be used to adjust the Resource's hourly available MWs in any single Capacity Commitment Period.

Maximum Equivalent Planned Maintenance Hours per Major Maintenance Period is the maximum number of Equivalent Planned Outage Hours that may be used to adjust the resource's hourly available MWs over the corresponding Major Maintenance Period.

Major Maintenance Period is a rolling number of Capacity Commitment Periods over which the resource is limited to the Maximum Equivalent Planned Maintenance Hours per Major Maintenance Period.

Exemption

Where a Resource is on a planned outage and has requested exemption, the resource's hourly availability score will be increased by an amount equal to the Eligible MWs as calculated above, provided that the Resource has not exceeded the maximum maintenance allotment hour limit regarding exempt approved planned outages at the time of the Shortage Event as described below.

In the case of a Settlement Only Resource, a planned outage scheduled in either December or January or during the period June 1 through September 15 may not be used to increase the Resource's hourly availability score.

The hourly available MW adjustment will be made based on Eligible MWs, provided the following are both true:

- (1) The Resource's cumulative Equivalent Planned Outage Hours in the current Capacity Commitment Period do not exceed the Resource's Maximum Exempt Planned Maintenance Hours per Capacity Commitment Period.
- (2) The Resource's cumulative Equivalent Planned Outage Hours over a period equaling the Resource's Major Maintenance Period (which shall include the current Capacity Commitment Period) do not exceed the Resource's Maximum Equivalent Planned Maintenance Hours per Major Maintenance Period.

If during a Capacity Commitment Period either condition becomes false, all subsequent Equivalent Planned Outage Hour values will be set to zero for the remainder of the Capacity Commitment Period.

Table K-1

Generator Maintenance Category	Maximum Exempt Planned Maintenance Hours per Major Maintenance Period	Major Maintenance Period (Years)	Maximum Exempt Planned Maintenance Hours per Capacity Commitment Period
Coal Fired Steam Plant – Subcritical	7,200	9	1,400
Coal Fired Steam Plant – Supercritical and Cyclone Boilers	8,400	9	1,700
Oil and Dual-fired Steam Plant - Subcritical	6,500	9	1,400
Oil and Dual-fired Steam Plant - Supercritical	7,700	9	1,700
Natural Gas Fired Steam Plant	6,500	9	1,400
Waste Fuel Fired Steam Plant	6,500	9	1,400
Combined Cycle Combustion Turbine Plant	5,000	9	1,400
Natural Gas Simple Cycle Turbine Plant	1,200	3	1,000
Jet Fuel Fired Simple Cycle Turbine Plant	1,200	3	1,000
Oil Fired Simple Cycle Turbine Plant	1,700	3	1,100
Internal Combustion Engine Plant	1,600	3	1,100
Nuclear Power Plant	2,500	3	1,400
Hydro Power Plant	6,900	10	2,000
Pumped Storage Power Plant	6,900	10	2,000

The ISO will present to stakeholders a review of the values in this table at least once every five years.

Attachment M: Reserved

Revision History

Approval

Approval Date: May 7, 2010

Effective Date: June 1, 2010

Revision History

Revision: 1 - Approval Date: November 18, 2010

Section No. Revision Summary

2.4 (Row 2)... Revises the Participant Action section to include the submittal of a written plan describing the measures that will be taken to address the reduction if applicable.

2.4 (Row 2a)...Adds a new Row 2a to the Market Participant Action Matrix regarding the Reconfiguration Auction.

Attachment C. Adds a new Attachment C titled “Host Participant Assigned Meter Reader Requirements”.

Attachment G. Deletes the previous Attachment G titled “Data Requirement Matrix for Demand Resources” and reserves this attachment for future use.

Revision: 2 - Approval Date: March 4, 2011

Section No. Revision Summary

1 (Attachment A – Master FCM Schedule)

Step/Event Identifier:

A-2.....Revises “Show of Interest (Start)” dates for FCA6, FCA7 and FCA8.

A-3.....Revises “Show of Interest (End)” date for FCA8.

A-4.....Revises “Qualification Review Begin” date for FCA8.

A-7.....Revises “ISO publishes Dispatch Zones” dates for FCA6, FCA7 and FCA8.

Revision: 3 - Approval Date: April 1, 2011

Section No. Revision Summary

2.1 (Market Rule 1 Section Number 13.1.4.1.1)

.....Revises reference from ISO New England Manual M-28 to ISO New England Manual M-RPA.

Revision: 4 - Approval Date: February 4, 2011

Section No. Revision Summary

Attachment K. Adds a new Attachment K titled “Maintenance Allotment Hours”.

Revision: 5 - Approval Date: June 10, 2011

Section No. Revision Summary

2.1 (Market Rule 1 Section Number 13.1.9.3)

.....	Revises Master Schedule Identifier from “10 days after invoice” to “As invoiced” and adds that the payment terms follow the ISO New England Billing Policy under the Additional Information column of the matrix.
2.1 (Market Rule 1 Section Number 13.1.9.3.1)	.....
.....	Deletes the two references to requesting a waiver of a portion of the Qualification Process Cost Reimbursement Deposit for a project that has an active Interconnection Agreement and for a New Demand Resource under the Participant Action column of the matrix.
2.5 (Market Rule 1 Section Number 13.5.3.2.1)	.....
.....	Adds the ability to include a Supplemental Availability Bilateral Contract in the initial settlement at a deadline later than 12:00 pm on the second Business Day after the end of the obligation month if specified by the ISO upon notice to Market Participants and revises the deadline for confirming, modifying or terminating a Supplemental Availability Bilateral Contract.
2.6 (Market Rule 1 Section Number 13.6.1.2.2(d))	.....
.....	Adds a requirement to provide for each External Transaction a reference to the associated Import Capacity Resource under the Participant Action column of the matrix and to contact ISO-NE Customer Support for additional information under the ISO System and/or Process column of the matrix.

Revision: 6 - Approval Date: August 12, 2011	
<u>Section No.</u>	<u>Revision Summary</u>
1 (Attachment A – Master FCM Schedule)	
Step/Event Identifier:	
A-12.....	Deletes the phrase “and Op Cap Analysis” from the step description.
A-20.....	Revises the step to insert “DRV based on ISO’s most recent” between “Submits” and “Op Cap Analysis”.
2.6 (Row 3, Market Rule 1 Section Number 13.6.1.1.3)	.....
.....	Deletes this row in its entirety.

Revision: 7 - Approval Date: January 20, 2012	
<u>Section No.</u>	<u>Revision Summary</u>
3.1.....	Changes singular uses of “customer” to “Dispatchable Asset Related Demand.”

Revision: 8 - Approval Date: March 9, 2012 and June 1, 2012	
<u>Section No.</u>	<u>Revision Summary</u>
2.5 (Market Rule 1 Section Numbers 13.5.3.1 and 13.5.3.2)	.....
.....	Deletes the sentence “The Supplemental and Supplemented Capacity Resources must be in the same Reserve Zones.” from the Description of Participant Deliverables/Additional Information column.
This set of revisions was approved on June 1, 2012	
1 (Attachment A – Master FCM Schedule)	
Step/Event Identifier:	
A4.....	Deletes this item in its entirety.

A16.....	Deletes the word “includes”.
A20.....	Spells out “Lead Market Participant” and deletes reference to the OpCap Analysis.
A29.....	Revises the FCA7 and FCA8 dates.
A34.....	Revises the FCA3, FCA4 and FCA5 dates and adds the FCA6, FCA7 and FCA8 dates.
A36.....	Revises the FCA3, FCA4, FCA5, FCA6, FCA7 and FCA8 dates.
2.1 (Market Rule 1 Section Number 13.1.4.3.1.3)	..... Revises the description of the treatment Real-Time Demand Response Resources and Real-Time Emergency Generation Resources.
2.1 (Market Rule 1 Section Number 13.1.4.3.1.3.1)	..... Deletes the reference to Appendix D and corrects the reference to Manual M-RPA.
2.1 (Market Rule 1 Section Numbers 13.1.4.5.1 and 13.1.4.5.2)	..... Replaces references to Customer Baseline with Demand Response Baseline.
2.1 (Market Rule 1 Section Number 13.1.4.8)	..... Deletes this section in its entirety.
2.1 (Market Rule 1 Section Number 13.1.8)	..... Deletes Master Scheduler Identifier values A17, A21 and A25.
2.6 (Market Rule 1 Section Number 13.6.1.5.4)	..... Adds a new Market Participant Action identified in Section III.13.6.1.5.4 of Market Rule 1.

Revision: 9 - Approval Date: June 26, 2012	
<u>Section No.</u>	<u>Revision Summary</u>
1 (Attachment A – Master FCM Schedule)	
Step/Event Identifier:	
A17, A21 and	
A25.....	Replaces the FCA7 and FCA8 dates with the phrase “15 days after the FCA is conducted.”

Revision: 10 - Approval Date: June 7, 2013	
<u>Section No.</u>	<u>Revision Summary</u>
Attachment L.	Adds a new Attachment L titled “Temporary Provisions for Qualification and Related Items for Full Integration of Demand Resources”.

Revision: 11 - Approval Date: November 2, 2012	
<u>Section No.</u>	<u>Revision Summary</u>
2.1 (Market Rule 1 Section Number 13.1.4.5.1)	..... Replaces “Appendix G” with “ISO New England Manual M-28”.
2.1 (Market Rule 1 Section Number 13.1.4.5.2)	..... Replaces “Appendix G” with “ISO New England Manual M-28”.
2.2 (Market Rule 1 Section Number 13.2.5.2.5.1(c)(i))	..... Revises the phrase “(i) in the same manner as other listed capacity resources,” to read “(in the same manner as resources with Capacity Supply Obligations,”.
2.2 (Market Rule 1 Section Number 13.2.5.2.5.3(a)(iii))	

..... Deletes the second sentence.
Attachment C (4)
..... Replaces “Capability Year” with “Capacity Commitment Period” in the second sentence.

Revision: 12 - Approval Date: Addressed at the August 2, 2013 Participants Committee meeting
Section No. Revision Summary
2.1 (Market Rule 1 Section Number 13.1.3.5.2)
..... Replaces the existing language with a reference to the new Attachment M regarding the FCA questions for New Import Capacity Resource qualification and a reference to Section III.13.1.1.2.7 to Market Rule 1.
Attachment M
..... Adds a new Attachment M titled “New Import Capacity Resource Qualification Information Form”.

Revision: 13 - Approval Date: November 8, 2013
Section No. Revision Summary
Throughout the Forward Capacity Market Manual
..... Updates defined terms consistent with Section I.2.2 of the Tariff and makes minor grammatical changes.
1..... Removes expiring FCA 3 through FCA 8 dates and inserts cross reference to both FCM Auction calendars on the web and FCTS.
1 (Step/Event Identifiers A5 and A20)
..... Deletes step to correspond with Section III.13.1.4.8 deletion from Market Rule 1.
1 (Step/Event Identifier A12)
..... Updates Market Rule 1 cross reference to reflect deletion of Section III.13.1.4.8 from Market Rule 1.
1 (Step/Event Identifier A24.1)
..... Adds new Step A24.1 consistent with Market Rule 1, Section III.13.1.2.3.2.1.1.2.
1 (Step/Event Identifier A36)
..... Updates Market Rule 1 cross reference.
2.1 (Market Rule 1, Section III.13.1.1.2.2.3(a))
..... Replaces two instances of “.75 CONE” with “the relevant Offer Review Trigger Price.”
2.1 (Market Rule 1, Sections III.13.1.1.2.2.3 and III.A.21.2)
..... Updates Market Rule 1 cross references and adds new language to state that the provision applies only to those requesting to submit offer below the relevant Offer Review Trigger Price.
2.1 (Market Rule 1, Section III.13.1.2.3.1.1)
..... Replaces “0.8 times CONE” with “\$1.00 kW/month” and adds Market Participant deliverable to notify ISO regarding participation in energy and ancillary services markets.
2.1 (Market Rule 1, Section III.13.1.2.3.1.2)
..... Adds Market Participant deliverable to notify ISO regarding participation in energy and ancillary services markets.
2.1 (Market Rule 1, Section III.13.1.2.3.2.1.1.2)

- Adds row associated with new Step A24.1 to withdraw or revise a Static De-list Bid where applicable.
- 2.1 (Market Rule 1, Section III.13.1.3.5.6.2)
 - Deletes row to correspond with Section III.13.1.3.5.6.2 deletion from Market Rule 1.
- 2.1 (Market Rule 1, Sections III.13.1.4.2 and III.13.1.4.2(a))
 - Adds requirement to submit project description form with SOI and adds link to the form.
- 2.1 (Market Rule 1, Section III.13.1.4.2.2.1)
 - Deletes row to correspond with Section III.13.1.4.2.2.1 deletion from Market Rule 1.
- 2.1 (Market Rule 1, Section III.13.1.4.2.2.2)
 - Adds link to credit application and updates system for submission.
- 2.1 (Market Rule 1, Section III.13.1.4.2.4(b))
 - Deletes information to correspond with Section III.13.1.4.2.4(b) deletion from Market Rule 1.
- 2.1 (Market Rule 1, Sections III.13.1.4.2.4 and III.A.21)
 - Updates cross references and requires supporting documentation for certain offers.
- 2.1 (Market Rule 1, Section III.13.1.4.3.1.2.1)
 - Adds e-mail address for submission.
- 2.1 (Market Rule 1, Sections III.13.1.4.8.1 and III.13.1.4.8.2)
 - Deletes rows to correspond with Section III.13.1.4.8 deletion from Market Rule 1.
- 2.1 (Market Rule 1, Section III.13.1.5.A)
 - Deletes notification via priority mail.
- 2.1 (Market Rule 1, Section III.13.1.9.3.1)
 - Updates department contact for ISO.
- 2.2 (Market Rule 1, Sections III.13.2.5.2.5.3(a)(ii), (b)(i) and (c))
 - Deletes proration details.
- 2.4 (Market Rule 1, Section III.13.4.2.1.3(c))
 - Updates reference to “*CONE” to “Forward Capacity Auction Starting Price”.
- 2.6 (Market Rule 1, Sections III.13.6.1.1.5(a), III.13.6.2.1.2(a), III.13.6.2.4.2(a) and III.1.7.11)
 - Updates auditing requirements and deletes reference to M-RPA and updates to OP-23 reference.
- 2.6 (Market Rule 1, Sections III.13.6.1.1.5(b), III.13.6.1.3.3.(b), III.13.6.1.4.2(b), III.13.6.2.1.2(b), III.13.6.2.3.2(b) and III.13.6.2.4.2(b))
 - Updates GADs NxL system to PowerGADS.
- 2.6 (Market Rule 1, Section III.13.6.1.2.1)
 - Fixes hyperlink.
- 2.6 (Market Rule 1, Sections III.13.6.2.3.2(a) and III.1.5.1)
 - Updates auditing requirements and deletes reference to M-RPA and updates to OP-23 reference.
- 2.7 (Market Rule 1, Section III.13.7.1.1.3(i))
 - Deletes auditing provision details based on Market Rule 1, Section III.13.7.1.1.3(i).

Attachment L

..... Adds new dates consistent with Market Rule 1, Section III.13.1.2.3.2.1.1.2.

Revision: 14 -Approval Date: November 2, 2012
Section No. Revision Summary
2.5 (Market Rule 1, Sections III.13.5.1 and III.13.5.1.1.1)
..... Revises the two sections to incorporate the enhancements to the Capacity Supply Obligation Bilateral process.

Revision: 15 -Approval Date: May 3, 2013
Section No. Revision Summary
Attachment C (4)
..... Replaces “Capability Year” with “Capacity Commitment Period” in the first sentence.
Attachment C (5)
..... Adds the ability of the Host Participant Assigned Meter Reader to determine Coincident Peak Contribution values at the Load Asset Level if the coincident peak load details reported by the ISO are preliminary.
Attachment C
..... Adds a final sentence to this Attachment to have changes to individual Load Asset Coincident Peak Contribution values resulting from final coincident peak load details reported by the ISO submitted to the ISO for the Data Reconciliation Process and the Meter Data Error Correction request process, as appropriate.

Revision: 16 -Approval Date: May 2, 2014
Section No. Revision Summary
2.1 (Market Rule 1, Section 13.1.2.3.1.5)
..... Updates the section to state that a sample Non-Price Retirement Request form is available in Appendix B of Planning Procedure No. 10 and a Non-Price Retirement Request is submitted to the ISO by using the Forward Capacity Tracking System.
2.2 (Market Rule 1, Sections III.13.2.5.2.5.3(a)(iii), (b)(i) and (c))
..... Replaces “~6 months after A35” with “No later than 15 days before A35”.

Revision: 17 -Approval Date: November 7, 2014
Section No. Revision Summary
2.5 (Market Rule 1, Section 13.5.3)
..... Revises the section to state a Supplemental Capacity Resource designation can occur by the deadline for submission of Supply Offers in the Day-Ahead Energy Market as described in Market Rule 1 Section III,13.5.3 and clarifies that a Supplemental Availability Bilateral may be entered after an Operating Day during which a Shortage Event occurred.
2.6 (Market Rule 1, Sections III.13.6.1.1.1, III.13.6.1.1.2, III.13.6.1.3.1, III.13.6.2.1.1.1)
..... Deletes the phrase “and Manual 11 Section 8”.
2.6 (Market Rule 1, Section III.13.6.2.1.1.1)
..... Deletes the last two paragraphs regarding Self-Scheduling actions.

- | |
|---|
| 2.7 (Market Rule 1, Section III.13.7.1.1.3(a)-(h))
..... Deletes the phrase “and Manual 11 Section 8”. |
| 3.1.1.1..... Deletes the phrase “minimum run time”. |

Revision: 18 - Approval Date: October 3, 2014

Section No. Revision Summary

- | |
|---|
| 2.1 (Market Rule 1, Section 13.1.5, Resource Type: IP)
.....Deletes bullet stating “Import Capacity Resources cannot pair with other Import Capacity Resources unless they are on the same interface”. |
| 2.5 (Market Rule 1, Section III.13.5.1)
.....Deletes the first two paragraphs to allow for bidirectional trading of CSO bilaterals between Capacity Zones. |

Revision: 19 - Approval Date: January 9, 2015

Section No. Revision Summary

- | |
|---|
| 1..... Adds the phrase “FCM page by searching for FCM Auction Calendars under “Document Type”. |
| 2.1 (Market Rule 1, Section III.13.1.1)
.....Deletes this Section in its entirety. |
| 2.1 (Market Rule 1, Section III.13.1.1.2.2.4)
.....Adds a new Market Participant Action in Section III.13.1.1.2.2.4 of Market Rule 1. |
| 2.1 (Market Rule 1, Section III.13.1.1.2.9)
.....Adds a new Market Participant Action in Section III.13.1.1.2.9 of Market Rule 1. |
| 2.1 (Market Rule 1, Section III.13.1.2.2.4)
.....Replaces the Market Participant Action in (b) with “(Reserved)”. |
| 2.1 (Market Rule 1, Section III.13.1.2.2.5.2)
.....Revises the Market Participant Action to allow a resource’s FCA Qualified Capacity to be administratively set by the ISO and deletes the de-list bid submittal. |
| 2.1 (Market Rule 1, Section III.13.1.2.3)
.....Adds “summer or winter” prior to Qualified Capacity. |
| 2.1 (Market Rule 1, Section III.13.1.2.3.1.1)
.....Replaces “\$1.00 kW/month” with “the Dynamic De-list Bid Threshold” and replaces the ISO website address for the de-list workbook location. |
| 2.1 (Market Rule 1, Section III.13.1.2.3.1.2)
.....Adds the phrase “For a Permanent De-list Bid at a price greater than the Dynamic De-list Bid Threshold” and replaces the ISO website address for the de-list workbook location. |
| 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.2)
.....Deletes “risk-adjusted” from this sentence and replaces the previous process located under ISO System and/or Process with the current process. |
| 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.2)
.....Deletes two Market Participant actions within this Section referencing net risk-adjusted going forward costs. |
| 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.2) |

.....Deletes “risk-adjusted” from this sentence and replaces the email address. 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.3)
.....Adds a new Market Participant Action in Section III.13.1.2.3.2.1.3 of Market Rule 1. 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.4)
.....Adds a new Market Participant Action in Section III.13.1.2.3.2.1.4 of Market Rule 1. 2.1 (Market Rule 1, Section III.13.1.2.3.2.1.5)
.....Revises the Market Rule 1 Section from III.13.1.2.3.2.1.3 to III.13.1.2.3.2.1.5. 2.1 (Market Rule 1, Section III.13.1.4.1.2.1)
.....Replaces the ISO website address for the Measurement and Verification Plan form location. 2.1 (Market Rule 1, Sections III.13.1.4.2 and III.1.4.2(a))
.....Replaces the ISO website address for the project description form location. 2.1 (Market Rule 1, Section III.13.1.4.2.2.2)
.....Replaces the ISO website address for the credit application location. 2.1 (Market Rule 1, Section III.13.1.4.2.2.3)
.....Replaces the ISO website address for the Measurement and Verification Plan form location. 2.1 (Market Rule 1, Section III.13.1.4.2.5.2)
.....Adds “summer or winter” prior to Demand Reduction Value. 2.1 (Market Rule 1, Section III.13.1.4.3.1.2)
.....Replaces the ISO website address for the Measurement and Verification Plan form location. 2.1 (Market Rule 1, Section III.13.1.5.A)
.....Adds “FCA” prior to Qualified Capacity. 2.1 (Market Rule 1, Section III.13.1.11)
.....Adds a new Market Participant Action in Section III.13.1.11 of Market Rule 1. 2.6 (Market Rule 1, Section III.13.6.1.1.1)
.....Replaces the ISO website address for the eMkt User Guide location. 2.6 (Market Rule 1, Section III.13.6.1.1.2)
.....Replaces the ISO website address for the eMkt User Guide location. 2.6 (Market Rule 1, Sections III.13.6.1.1.5(a) and 1.7.1)
.....Replaces the SOP reference with the current SOP reference. 2.6 (Market Rule 1, Section III.13.6.1.2.1)
.....Replaces the ISO website address for the User Guide for External Transactions Using EES location. 2.6 (Market Rule 1, Section III.13.6.1.3.1)
.....Replaces the ISO website address for the eMkt User Guide location. 2.6 (Market Rule 1, Section III.13.6.2.1.1.1)
.....Replaces the ISO website address for the eMkt User Guide location. 2.6 (Market Rule 1, Section III.13.6.2.1.1.2)
.....Replaces the ISO website address for the eMkt User Guide location. 2.6 (Market Rule 1, Sections III.13.6.2.1.2(a) and 1.7.11)
.....Replaces the SOP reference with the current SOP reference. 2.6 (Market Rule 1, Sections III.13.6.2.4.2(a) and 1.7.11)

.....	Replaces the SOP reference with the current SOP reference.
2.7 (Market Rule 1, Sections III.13.7.1.1.3(a)-(h))	
.....	Replaces the ISO website address for the eMkt User Guide location.
2.7 (Market Rule 1, Sections III.13.7.1.2(a)-(b), (d))	
.....	Replaces the ISO website address for the User Guide for External Transactions Using EES location.

Revision: 20 - Approval Date: September 11, 2014

Section No. Revision Summary

1.....	Deletes Step/Event Identifier A8 and lists the Step/Event as “(Reserved)”.
2.1 (Market Rule 1, Section 13.1.1.2)	
.....	Adds Resource Type IC as being applicable, revises the Participant Action and deletes the description of Participant Deliverable/Additional Information.
2.1 (Market Rule 1, Section 13.1.1.2.1)	
.....	Deletes the phrase “making only non-material changes” under Participant Action.
2.1 (Market Rule 1, Section 13.1.1.2.1(a))	
.....	Deletes the phrase “under Schedule 22 and 23 of Section II of the Tariff” under Participant Action.
2.1 (Market Rule 1, Section 13.1.1.2.2.3(b))	
.....	Adds Resource Type IC as being applicable and adds “eligible” under Participant Action.
2.1 (Market Rule 1, Section 13.1.1.2.2.4)	
.....	Adds Resource Type IC as being applicable and revises the Participant Action.
2.1 (Market Rule 1, Sections 13.1.2.3.1.1 and 13.1.2.3.1.2)	
.....	Adds Resource Type IC as being applicable.
2.1 (Market Rule 1, Sections 13.1.2.3.2.1.2, 13.1.2.3.2.1.3, 13.1.2.3.2.1.4 and 13.1.2.3.2.1.5)	
.....	Adds Resource Types DR and IC as being applicable and adds 13.1.3.3A and 13.1.3.3B to the Market Rule Section Number.
2.1 (Market Rule 1, Section 13.1.2.3.2.1.1.2)	
.....	Adds Resource Type IC as being applicable and adds 13.1.3.3A and 13.1.3.3B to the Market Rule Section Number.
2.1 (Market Rule 1, Sections 13.1.3.2 and 13.1.3.3(a)(e))	
.....	Deletes these Sections in their entirety.
2.1 (Market Rule 1, Section 13.1.3.5.2)	
.....	Replaces “Market Participants” with “Project Sponsors”.
2.1 (Market Rule 1, Section 13.1.4.6.2.2)	
.....	Adds “Zone” at the end of the sentence.
2.1 (Market Rule 1, Section 13.1.9.1)	
.....	Adds “5 Business Days after A28” to the Master Schedule Step/Event Identifier and revises the Participant Action description.
2.1 (Market Rule 1, Section 13.1.9.2)	
.....	Adds “As described in the Financial Assurance Policy Section VII.B.2.b” to the Master Schedule Step/Event Identifier and revises the Participant Action description.
2.1 (Market Rule 1, Section 13.1.9.3)	
.....	Revises the Participant Action.

2.1 (Market Rule 1, Section 13.1.9.3.1)	..... Adds Resource Type IC as being applicable.
2.2 (Market Rule 1, Section 13.2.5.2.5.1(b)(i))	..... Replaces “Network Load” with “Regional Network Load” and deletes “business” under the Description of Participant Deliverables/Additional Information.
2.2 (Market Rule 1 Sections 13.2.5.2.5.1(c)(1) and (d))	..... Replaces “Network Load” with “Regional Network Load” under the Description of Participant Deliverables/Additional Information and ISO System and/or Process.
2.4 (Market Rule 1 Sections 13.4.2.1.3(a) and (b))	..... Replaces “business days” with “Business Days”.
Attachment L	..... Deletes this Section and lists the Section as “(Reserved)”.

Revision: 21 -Approval Date: December 4, 2015	
<u>Section No.</u>	<u>Revision Summary</u>
2.6 (Rows 10B and 10C)	..... Adds new Rows 10B and 10C to the Market Participant Action Matrix regarding Rights and Obligations.

Revision: 22 -Approval Date: September 11, 2015	
<u>Section No.</u>	<u>Revision Summary</u>
2.5 (Rows 5 through 9)	..... Deletes “X” in the DR Resource Type column.

Revision: 23 -Approval Date: March 4, 2016	
<u>Section No.</u>	<u>Revision Summary</u>
2.6 (Market Rule 1, Section III.13.6.1.6.1)	..... Adds a new Market Participant Action in Section III.13.6.1.6.1 of Market Rule 1.

Revision: 24 -Approval Date: February 3, 2017	
<u>Section No.</u>	<u>Revision Summary</u>
Introduction...	Revises language and removes Market Participant Action Matrix Sample and Key.
1.....	Deletes previous Section in its entirety and replaces with new Sections 1.1 through 1.11, ordered lists of Market Participant Actions. Conforming changes for the Elective Transmission Upgrades, FCM Enhancements – Phase I and Resource Retirement Reforms are contained in the new Sections 1.1 through 1.11.
2.1.....	Deletes previous Section in its entirety and replaces with Market Participant Action Matrix Sample and Key.
2.2-2.5.....	Deletes previous Sections in their entirety.
2.6.....	Renumbers existing Section as new Section 2.2 and replaces “Self-schedule in the Real-Time Energy Market.” with “Submit an offer into the Real-Time Energy Market of a Generating Capacity Resource having no Capacity Supply Obligation.”

2.7.....	Renumbers existing Section as new Section 2.3.
Attachment M	
.....	Deletes the previous Attachment M titled “New Import Capacity Resource Qualification Information Form” and reserves this attachment for future use.