

Must-Offer Exception Process

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- **RPM Must-Offer Requirement**
 - Participants are required to offer the Available MW on Existing Generation Capacity Resources in all RPM auctions
 - Intermittent and Storage are categorically exempt from offering as CP
- **Must-Offer Exception Process**
 - Prior to an RPM auction, participants may submit a request to PJM and the IMM to be exempted from this requirement for one of the specified reasons in the Tariff
 - General Must-Offer Exceptions (e.g. delayed in-service, deactivation, etc.)
 - Capacity Performance (CP) Must-Offer Exceptions
 - The IMM and PJM review the request and supporting data/documentation to make a determination on approval
 - The request and review process must be done in a timely manner consistent with the deadlines specified in the Tariff

- Issue brought forward by Exelon to investigate:
 - Possible reforms to the RPM Must-Offer Exception Process for improved efficiency and clarity
 - Process for Existing Generation Capacity Resources to become energy only resources
- Worked at the MIC where 2 proposals were voted on at the Nov. meeting
 - 1 proposal endorsed with 79% in favor and moved to MRC in December (main motion)
- MRC voted to defer its endorsement vote until April and sent back to MIC for further discussion and potential updating
 - 2 additional proposals were discussed and voted at the MIC as alternatives to the main motion, with 1 receiving support above the 50% threshold



Summary of Proposals and MIC Voting Results

		MRC Main Motion	Exelon Alternative Proposal	PJM/IMM Alternative Proposal
Proposal Summary	Process Revisions	M18 revisions to the Must-Offer Exception Process for improved efficiency and clarity		
	<u>Voluntary</u> Status Change to Energy Only	Documented process for Generation Capacity Resources to voluntarily request a status change to energy only, with rules regarding the loss of CIRs		
	<u>Required</u> Status Change to Energy Only	Required for Generation Capacity Resources after 3 BRA CP Must-Offer Exceptions	None (status quo)	Required for Generation Capacity Resources requesting CP Must-Offer Exceptions with no plan to become CP capable
MIC Votes	In Favor	79%	61%	35%
	Pass/Fail	Passed	Passed	Failed
	Preferred to Status Quo	78%	49%	-
	Preferred to Main Motion	-	85%	-

MRC Main Motion

Process Efficiency

1. Allow participants to specify multiple auctions in their written Must-Offer Exception requests submitted to PJM and the IMM
 - For system tracking, a MIRA request is still needed for each auction, but no need to re-submit all the same supporting data/documentation for each subsequent auction
 - PJM and the IMM will still review with each subsequent auction

Process Clarifications

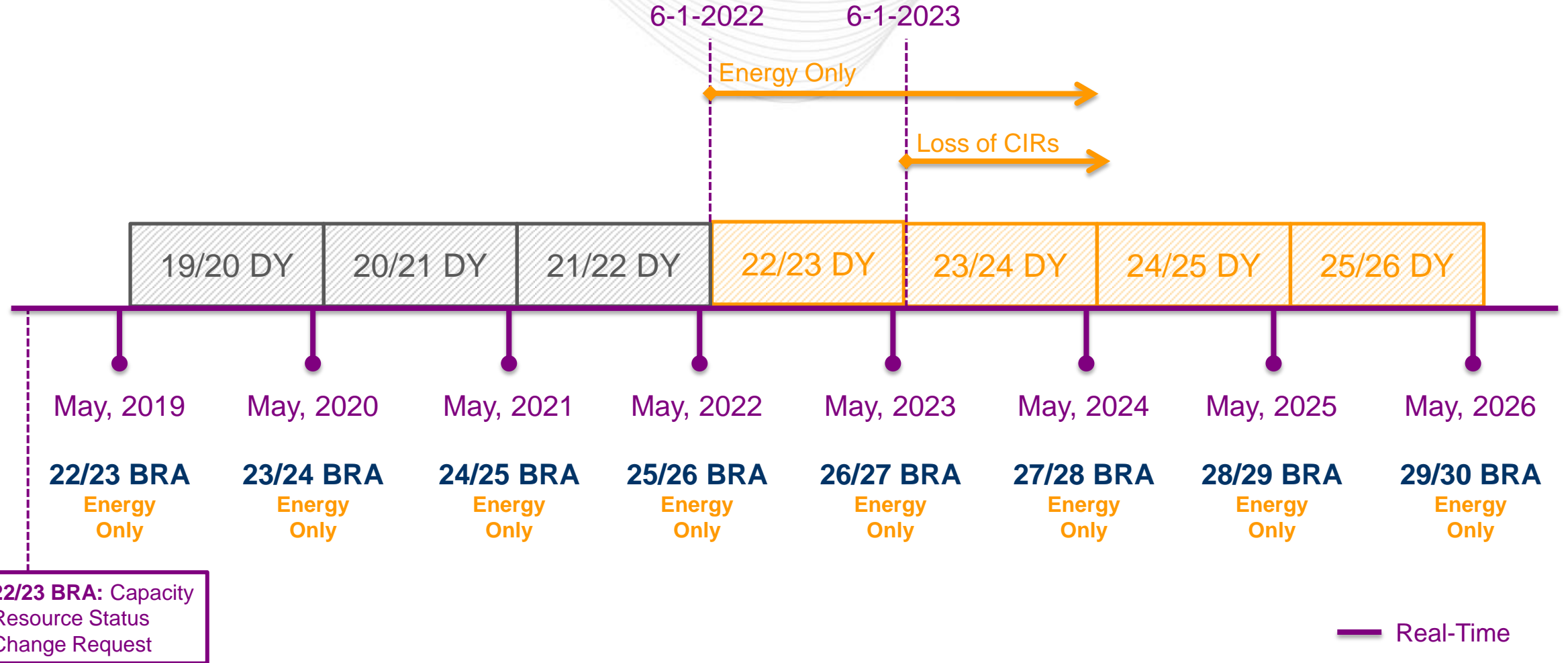
2. Must-Offer Exception requests are not required for generators approved for an “early replacement” transaction
 - Current rules already prohibit the replaced generator from re-committing those MW for the Delivery Year; no need to also submit a Must-Offer Exception Request
3. Timing is an acceptable reason for a CP Must-Offer Exception
 - A resource that cannot have its project completed in time by the start of the Delivery Year that’s needed to be CP capable is an acceptable reason for a CP Must-Offer Exception

- Participants may **voluntarily** initiate the process to remove a Generation Capacity Resource from its Capacity Resource status by submitting a written request to PJM and the IMM, along with supporting data and documentation
 - Requests and PJM/IMM review of a Capacity Resource status change will follow the same deadlines of Must-Offer Exceptions related to deactivation for RPM auctions
 - The MW of units requesting a status change will be grouped and included in the posting of Must-Offer Exceptions related to deactivations
- Requests will not be permitted for a Delivery Year in which the Generation Capacity Resource holds a capacity commitment

- PJM will run any necessary reliability studies for relinquishment of Capacity Interconnection Rights (CIRs) by the resource
 - e.g. Generator / Load Deliverability Tests
- IMM will review for potential market power concerns
- Upon approval, the generation unit will no longer be modeled as a Capacity Resource effective with the date of the status change
 - No longer eligible to offer in auctions or take on commitments for the relevant future DYs
- The CIRs of the resource will be relinquished in a manner consistent with a deactivating unit
 - One year from the effective date of status change if not re-used in queue (Tariff Section 230.3.3)



Example: **Voluntary** Capacity Resource Status Change Request for 22/23 BRA



- A status change to energy only will be **required** for Existing Generation Capacity Resources that are repeatedly approved for CP Must-Offer Exceptions and not offered in BRAs for 3 consecutive Delivery Years
 - Status change required at start of fourth Delivery Year
- If circumstances change prior to the effective date of the status change that now allow the unit to qualify as a CP Resource:
 - No later than 135 days prior to the status change, participants may submit a written request to PJM and the IMM requesting that the unit retain its Capacity Resource status
 - Requests must provide supporting data and documentation showing verifiable evidence that the resource can meet the performance requirements of a Capacity Performance Resource by the start of the relevant Delivery Year
 - If PJM grants such request and the Generation Capacity Resource is offered in the next applicable RPM auction, the unit shall no longer have its Capacity Resource status removed



Example: **Required** Capacity Resource Status Change after 3 CP Must-Offer Exceptions



- **Tariff, Attachment DD**
 - Section 6.6 Offer Requirement for Capacity Resources
 - Section 6.6A Offer Requirement for Capacity Performance Resources
 - Section 230.3.3 Replacement of Generation
- **Manual 18: PJM Capacity Market**
 - Section 5.2 RPM Auction Timeline
 - Section 5.4.1 Resource-Specific Sell Offer Requirements
 - Section 5.4.7 Removal of Generation Capacity Resource Status
 - Section 8.9 Replacement Resources

Appendix



Capacity Resource Status Change: Activity Deadlines

Activity	Deadline
Preliminary request for Capacity Resource status change	SEPT01 prior to BRA, 240 days prior to IA
Final request for Capacity Resource status change	DEC01 prior to BRA, 120 Days prior to IA
IMM provides determination on status change request	90 days prior to auction
Capacity Market Sellers notify PJM/IMM of agreement with IMM determination on status change request	80 days prior to auction
PJM provides determination on status change request	65 days prior to auction

- Currently, two Must-Offer Exception sections – one that is general and one that is specific to Capacity Performance
- General Must-Offer Exceptions in Tariff, Att. DD, sec. 6.6(g):
 - is reasonably expected to be physically unable to participate in the relevant Delivery Year;
 - has a financially and physically firm commitment to an external sale of its capacity, or
 - was interconnected an Energy Resource and not subsequently converted to a Capacity Resource.

- What does “physically unable to participate” mean?
 - Documented plan to retire during or prior to the DY and has submitted its Deactivation notice to PJM
 - Significant physical operational restrictions cause long term or permanent changes to the installed capacity value of the resource, or the resource is under major repair that will extend into the applicable DY
 - Involved in an ongoing regulatory proceeding specific to the resource (e.g., environmental) and has received an order...or other final directive that will result in the retirement of the resource
 - It is only considered “Existing” because it cleared an RPM Auction, but will not be in-service by the start of the applicable DY

- Under Tariff, Attachment DD, section 6.6A
 - reasonably expected to be physically incapable of satisfying the requirements of a CP Resource
 - The review process and timeline is the same as under 6.6(g)
 - 120 days prior to auction for reasons other than deactivation
 - Intermittent and storage are categorically exempt

- “Physically incapable” includes...
 - Necessary capital improvements, or new fuel delivery infrastructure, that cannot be arranged, permitted, and completed in time for the relevant Delivery Year
- “Physically incapable” does *not* include...
 - Seller’s refusal to make investments, or allocate the operating budget, needed to bring the resource’s performance up to the necessary level
 - Economic feasibility tests

- Obligated to deliver energy during the relevant Delivery Year as scheduled and/or dispatched by PJM during Performance Assessment Intervals
 - PJM Tariff does *not* prescribe specific fuel arrangements or investment requirements needed to meet CP performance obligations
- Subject to CP Parameter Limited Schedule (PLS) rules



Must-Offer Exception Request Deadlines

Activity	Deadline
Preliminary must-offer exception for reason of deactivation	SEPT01 prior to BRA, 240 days prior to IA
Final must-offer exception for reason of deactivation	DEC01 prior to BRA, 120 Days prior to IA
Must-offer exception for other than deactivation	120 days prior to auction
IMM provides determination on must offer exception	90 days prior to auction
Capacity Market Sellers notify PJM/IMM of agreement with IMM determination on must offer exception	80 days prior to auction
PJM provides determination on must offer exception	65 days prior to auction
Capacity Market Seller notifies PJM/IMM of intent to exercise approved exception	65 days prior to auction