

Showing Changes Between 1/13 Page Turn and 1/25 MRC/MC Vote

MANUAL 14B: ATTACHMENT JK

A ~~Transitional System Capability Study~~transitional system capability study will be performed prior to each BRA during the ~~Transition Period~~transition period for CIR uprate requests for all resource types. Transitional ~~Resources~~resources that submit a request for ~~higher~~additional CIRs to PJM along with a request to be considered as a ~~Transitional Resource within 30 days of stakeholder approval of this proposal~~transitional resource by March 3, 2023 will have their CIR uprates processed in ~~Cycle 4~~the New Services Queue of the PJM interconnection queue and will be part of a ~~Transitional System Capability~~transitional system capability study prior to each BRA (estimated 2025/26 through 2029/30 BRAs) during the ~~Transition Period~~transition period. ~~The transitional system capability study will determine whether the transmission system is capable of delivering outputs above their requested existing queue unit's eligible CIRs.~~ Such ~~eligible Transitional Resources~~qualifying transitional resources will have their hourly output capped in the summer portion of the ELCC study and accreditation process at the resource's ~~Transitional System Capability~~transitional system capability, which will consider summer generator deliverability testing (single and common mode outages) and other reliability tests ~~as needed to ensure the resources are deliverable~~ for the Delivery Year ~~under consideration.~~ ~~The Transitional System Capability.~~ ~~The transitional system capability~~ assigned to the resource will be the greater of the ~~requested existing queue unit's eligible~~ CIRs for the ~~resource for the~~ applicable BRA Delivery Year or the ~~Transitional Resource~~transitional resource MW ~~Coiling~~ceiling.

The allocation of identified additional system capability among the ~~Transitional Resources~~transitional resources will be performed using the following steps.

1. Gather inputs for allocation of ~~Transitional System Capability~~transitional system capability:
 - a. Overloaded flowgates and overloaded amounts with and without the CIR uprate requests
 - b. DFAX and MW ~~of CIR uprate requests~~value requested to be considered in the study
2. Pre-processing:
 - a. Eliminate overloaded flowgates where the CIR uprate request does not contribute.
 - b. Eliminate any CIR uprate request that contributes to a flowgate that is already overloaded without any CIR uprate requests; such ~~Transitional Resources~~transitional resources will not receive any ~~Transitional System Capability~~transitional system capability.
3. Determine allocation of additional system capability among the ~~Transitional Resources~~transitional resources:
 - a. For remaining flowgates (not overloaded but for the CIR uprate requests) use DFAX and MW value of the CIR uprate requests plus available headroom to determine amount of CIR uprate request MWs ~~that~~the system can accommodate from each ~~Transitional Resource~~transitional resource.
 - b. For ~~Transitional Resources~~transitional resources connected at the same electrical location, allocation of additional system capability shall be done on a pro-rata basis according to the amount of CIR uprate MWs requested for each ~~Transitional Resource~~transitional resource.
4. Once allocation of additional system capability among the ~~Transitional Resources~~transitional resources is complete, then rerun generator deliverability to ensure no remaining thermal or voltage violations exist.

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Definitions

Transitional Resource: ~~Any~~ A “transitional resource” refers to any resource that, ~~as of the effective date of this proposal, by March 2023~~ either has an ISA (“existing unit”) or is active in the PJM interconnection queue (“existing queue unit”) and submits a CIR uprate request into ~~Cycle 4~~ the New Services Queue along with a request to be considered as a ~~Transitional Resource within 30 days of stakeholder approval of this proposal~~ transitional resource. PJM will post the transitional resource request form to the PJM website along with the 1/25/2023 Markets & Reliability Committee meeting materials that will contain the instructions for filling out and submitting the form and the information required. Only CIR uprate requests that do not involve a physical modification to the resource will be eligible for ~~Transitional Resource~~ transitional resource designation. The submittal of the CIR uprate request into ~~Cycle 4~~ the New Services Queue and any subsequent ~~withdraw~~ withdrawal of the request from ~~Cycle 4~~ the New Services Queue will be done and treated in a manner that is consistent with the PJM ~~manuals~~ Manuals and PJM ~~governing documents~~ Governing Agreements. The resource will no longer be considered a ~~Transitional Resource~~ transitional resource if it withdraws its CIR uprate request.

Transitional Resource

MW Ceiling: ~~For~~ The “transitional resource MW ceiling” refers to, for Variable Resources, up to the lower of the summer regional percentile output for the resource type or the requested CIRs. For all other resource types, up to the lower of their MFO or requested CIRs. PJM will post the summer regional percentile outputs for Variable Resources in the TEAC RTEP assumptions slides that will typically be released in January each year during the transition period in a slide entitled “Wind & Solar Harmer Dispatch As Percent of Maximum Facility Output”. PJM will also post the summer regional percentile outputs for Variable Resources for the 2025/2026 BRA to the PJM website along with the 1/25/2023 Markets & Reliability Committee meeting materials.

Transition Period:

The “transition period” refers to the period of time required to process a CIR uprate request for a ~~Transitional Resource~~ transitional resource in the PJM ~~Interconnection Queue~~ interconnection queue such that the amount of CIRs requested under the CIR uprate request in the New Services Queue is eligible to participate in RPM. During the ~~Transition Period~~ a Transitional Resource ~~transition period, a transitional resource~~ may receive ~~Transitional System Capability~~ transitional system capability up to the ~~Transitional Resources~~ transitional resources’ MW ~~Ceiling~~ ceiling. After the ~~Transition Period~~ transition period or upon ~~withdraw~~ withdrawal of the CIR uprate request from the PJM interconnection queue, the designation of ~~Transitional Resource~~ transitional resource is removed.

Transitional System Capability: Identified

The “transitional system capability” refers to identified locational transmission system injection capability that is available in the full summer generator deliverability test (single contingency and common mode outage) for the applicable BRA Delivery Year during the ~~Transition Period~~ transition period beyond that required to support all PJM CIRs considered in the interim CIR study. ~~#~~ The transitional capability is calculated for ~~Transitional Resources~~ transitional resources that are eligible to participate in the BRA Delivery Year under study and is capped at the ~~Transitional Resource MW Ceiling~~ transitional resource MW ceiling. The transitional capability may vary for each BRA during the ~~Transition Period~~ transition period and is subject to other known locational reliability restrictions such as stability and voltage. The allocation of the ~~Transitional System Capability~~ transitional system capability prior to each BRA during the ~~Transition Period~~ transition period will be based on a cluster approach using the distribution factors and the ~~Transitional Resource MW Ceilings~~ transitional resource MW ceilings along with identified reliability constraints.

Transitional System Capability Study: ~~A~~ The “transitional system capability study” refers to a study performed prior to each BRA during the ~~Transition Period~~ transition period for CIR uprate requests for all ~~Transitional Resources~~ transitional resources that are eligible to participate in the BRA Delivery Year under consideration. ~~Transitional Resources~~ resources that submit a request for higher CIRs to PJM

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along with a request to be considered as a ~~Transitional Resource within 30 days of stakeholder approval of this proposal~~transitional resource by March 3, 2023 will have their CIR updates processed in ~~Cycle 4~~the New Services Queue and will be part of a ~~Transitional System Capability~~transitional system capability study prior to each BRA (estimated 2025/26 through 2029/30 BRAs) during the ~~Transition Period~~transition period to determine whether the transmission system is capable of delivering outputs above ~~their~~the existing queue unit's eligible CIRs. Such eligible ~~Transitional Resources~~transitional resources will have their hourly output capped in the ELCC study and accreditation process at the resource's ~~Transitional System Capability~~transitional system capability, which will consider summer generator deliverability testing (single and common mode outages) and other reliability tests as needed to ensure the resources are deliverable for the Delivery Year under consideration. The ~~Transitional System Capability~~transitional system capability assigned to the resource will be the greater of the existing queue unit's eligible CIRs for the ~~resource for the~~ applicable BRA Delivery Year or the ~~Transitional Resource~~transitional resource MW ~~Coiling~~ceiling.