



Reliability Planning Studies: Deactivation & Co-Located Load Requests

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MIC Special Session - Co-Located Load
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Category	Deactivation Requests	Co-Located Load Requests (Status Quo)
PJM Study	<ul style="list-style-type: none"> Deactivation Analysis 	<ul style="list-style-type: none"> Necessary Study
Notification Requirements	<ul style="list-style-type: none"> 3-6 months notification required prior to deactivation under new quarterly batch study process 	<ul style="list-style-type: none"> 90 days notification required prior to modification to PJM and Transmission Owner
Additional Requirements	<ul style="list-style-type: none"> Official Deactivation Notice to PJM (IMM and local TO notified by PJM) Indication of mothballing or retirement & duration of mothballing if applicable, OATT conforming desired Deactivation Date 	<ul style="list-style-type: none"> Necessary Study Deposit of \$25,000 Execution of Necessary Study Agreement (NSA) Submittal of technical details via Queue Point
Study Assumptions	<ul style="list-style-type: none"> MFO reduction (Reduced to zero unless partial deactivation) CIR reduction (Reduced to zero unless partial deactivation) 	<ul style="list-style-type: none"> MFO unchanged CIR reduction (Reduced by peak value of co-located load) Details about co-located load with or without supply from the grid
Study Period	<ul style="list-style-type: none"> 2 months after commencing analysis 	<ul style="list-style-type: none"> 9 months (default) or less depending on study scope

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Planning Analyses Performed	<ul style="list-style-type: none"> • Generation deliverability • Load deliverability • N-1 & N-1-1 thermal and voltage studies • Deactivation Analysis results reviewed at the TEAC 	<ul style="list-style-type: none"> • Generation deliverability • N-1 & N-1-1 thermal and voltage studies • Relay protection review • Special protection scheme/equipment review • Baseline stability study • Nuclear Plant Interface Requirements (NPIR) voltage analysis (for Nuclear facilities only) • TO will also review PJM results, and any associated relay protection, or special protection schemes.
Reliability Issue Mitigation	<ul style="list-style-type: none"> • PJM Baseline transmission upgrades • Reliability Must Run for deactivating generator if needed to operate until upgrades are in-service. 	<ul style="list-style-type: none"> • Construction Service Agreement (CSA) for any required system reinforcements to be constructed by the TO. • Any required system reinforcements (e.g. cap banks) behind the generator POI will be the responsibility of the GO. • Amendment of ISA to include system reinforcements, security, and cost responsibility to the GO.

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Agreements/System Updates	<ul style="list-style-type: none"> Termination or Amendment (if partial deactivation) of applicable service agreements Removal of deactivating generator from PJM Planning and Operations models and contingencies 	<ul style="list-style-type: none"> Amendment of ISA agreement <ul style="list-style-type: none"> CIR revisions Revisions incorporating co-located load facility modifications, and modification to required metering, Schedule F revisions incorporating any non-standard terms & conditions associated with co-located load operation as agreed to by GO, TO and PJM. Update PJM Planning and Operations models and contingencies to reflect co-located load addition and CIR revisions
Retention of CIRs	<ul style="list-style-type: none"> CIRs for a deactivating resource terminate one year from actual Deactivation Date. 	<ul style="list-style-type: none"> CIRs are reduced coincident with the actual date of modification of the facility.
Public Postings	<ul style="list-style-type: none"> PJM.com Generation Deactivation page 	<ul style="list-style-type: none"> Amended ISA is posted on PJM.com New Service Requests page

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