



Comparison of Proposals

Capacity Offer Opportunities for Generation with Co-located Load (Core Components)

Market Implementation Committee
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- Tables on subsequent slides provide an updated comparison of each package as it relates to three key aspects of co-located load:
 - Is the settlement of PJM credits and charges for co-located generation and load based on the **net** injection/net withdrawals MWs as measured at the facility POI? Or, based on **gross** generator output and gross co-located load? or something else?
 - Is the CIR/capacity value of the co-located generator reduced to reflect the co-located load? or, not? Or, something else?
 - The type of transmission service required to serve the co-located?
- Additional design components for all sponsor packages provided in design matrix



Co-Located Proposal Comparisons – “Without Supply from System” Configuration

Co-Located Load Exclusively Supplied by Co-Located Generator with Relay Trip Schemes in Place to Prevent Co-Located Load from Ever Being Supplied from System

	Status Quo	Constellation/ Brookfield	PJM	IMM	Exelon	AEMA
Settlements	Settlement based on Net Injection MW/Net Withdrawal MW at the existing generator POI: <ul style="list-style-type: none"> All generation-related PJM credits/charges determined based on Net Injection MW at POI. All load-related PJM credits/charges determined based on Net Withdrawal MW at POI. Net Withdrawal MW measured at POI can only be MWs associated with station power load and are settled for accordingly. 	Status Quo	Status Quo with exception that generator is charged for following grid services used by the co-located load with charges based on full co-located load MW as measured by a required separate load meter: Regulation, Reserves and Black-start.	Co-Located gen and load are required to be separately measured with these separately measured values reported to PJM for all settlement purposes. <ul style="list-style-type: none"> All generation-related PJM credits/charges determined based on gross generator output (net of station power load but not net of co-located load). All load-related PJM credits/charges determined based on gross co-located load. 		AEMA proposal does not recognize “Without service from the system” as an option
CIRs/Capacity value of Generator reduced by Co-located Load Served?	Yes (maximum load)	CIRs/Capacity value of generator may be retained for quantity of co-located load that is capable of and willing to curtail within 10 minutes with generator operating in order to provide MW to system rather than to the co-located load. Absent this capability and commitment to curtail co-located load with generator operating, CIR/Capacity Value of Generator is reduced by Co-Located Load as per Status Quo	Status Quo	No		
Transmission Service for Co-located Load?	No	Status Quo	Yes: Co-Located Load is represented by LSE using NITS to serve the load	Yes: Co-Located Load is represented by Generation Owner as LSE using NITS to serve the load		



Co-Located Proposal Comparisons – “With Supply from System” Configuration

Co-Located Load Supplied by Co-Located Generator and/or from System

	Status Quo (with BTMG Rules Applied)	PJM	IMM	Exelon	AEMA
Settlements	Settlement based on Net Injection MW/Net Withdrawal MW at the existing generator POI: <ul style="list-style-type: none"> All generation-related PJM credits/charges determined based on Net Injection MW at POI. All load-related PJM credits/charges determined based on Net Withdrawal MW at POI. Allocating Net Withdrawal MWs to Station Power load and to co-located load may be needed for purpose of applying separate settlements to each. 	Status Quo	Co-Located gen and load are required to be separately measured with these separately measured values reported to PJM for all settlement purposes. <ul style="list-style-type: none"> All generation-related PJM credits/charges determined based on gross generator output (net of station power load but not net of co-located load). All load-related PJM credits/charges determined based on gross co-located load. 		
CIRs/Capacity value of Generator reduced by Co-located Load Served?	Yes (maximum load)	Status Quo	Status Quo	No	
Transmission Service for Co-located Load?	Yes: Co-Located Load is represented by LSE using NITS to serve the load	Status Quo	Status Quo	Yes: Co-Located Load is represented by Generation Owner as LSE using NITS to serve the load	Generator procures Firm PTP service with injection and delivery at Gen POI

- May and June MIC
 - First Read of packages for two separate configurations:
 - Co-located load **without** supply from the system
 - Co-located load **with** supply from the system
- July MIC: Vote on each configuration
 - Vote 1: Co-located load **without** supply from the system
 - Vote 2: Co-located load **with** supply from the system

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Co-located Load



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