

Market Suspension Tariff/OA Revisions

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Purpose of Tariff/OA updates:

 Provide clear business rules in PJM markets to account for a Market Suspension where PJM cannot clear or produce market results

Updates to following sections:

- Definitions - L - M - N

-1.10.8(d)

- 1.11.6

-2.5.2

-2.6.1

- 3.2.2, 3.2.3, 3.2.3A, 3.2.3A.001, 3.2.3A.01

- 5.2.3, 5.2.7

- 5.6.1

-6.4.1

-7.3.8

- 14B.1(d)



- Proposed OA redline revisions include identical corresponding Tariff revisions
- Yellow highlighted text represents language pertaining to Reserve Price Formation (RPF)
 - RPF language was effective 10/1/2022



- Added definition for Market Suspension
 - Day-ahead
 - References 1.10.8(d)
 - Real-time
 - References 1.11.6



Section 1.10.8, Office of the Interconnection Responsibilities

- Section 1.10.8(d) updated to include language on DA Market Suspension
 - References section 2.6.1
- Removed existing language on settlements of Day-ahead & FTR Target Allocations at Real-time quantities and prices in the event PJM cannot clear Day-ahead Prices
- Added language on notifying participants of a Market Suspension for Day-ahead and Real-time markets

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- Added new section 1.11.6, Real-time Energy Market Suspension
 - Clarifies Real-time Market Suspension definition
 - Inability to produce Zonal Dispatch Rates for a total of seven or more 5-minute intervals within a clock hour
 - References section 2.5.2 for how Real-time Prices are determined



Section 2.5, Calculation of Real-time Prices

- Added new section 2.5.2, Declaration of Market Suspension
 - Outlines scenarios for determining Real-time Prices
 - If Market Suspension <= 6 consecutive hours:
 - Average of Real-time Prices for all intervals of adjacent hours
 - If Market Suspension > 6 but <= 24 consecutive hours:
 - If Day-ahead Prices are available
 - » Day-ahead Prices used as Real-time Prices for each corresponding hour
 - If Day-ahead Prices are not available
 - » Average of Real-time Prices for all intervals of adjacent hours
 - If Market Suspension > 24 consecutive hours:
 - Real-time Prices determined based on construction of aggregate supply curve



Section 2.6, Calculation of Day-ahead Prices

- Added new section 2.6.1, Declaration of Market Suspension
 - Outlines scenario for determining Day-ahead Prices
 - If PJM declares Market Suspension
 - Day-ahead Prices set to \$0/MWh
 - Use Real-time quantities and prices per section 2.4 & 2.5



- Section 3.2.2, added new subsection (I) to include language on Market Suspension relating to Regulation
- Section 3.2.3 updated to include language on Operating Reserves
 - 3.2.3(f) clarifies that resources will not be compensated for lost opportunity costs for Market Suspensions greater than 24 hours
 - 3.2.3(p) clarifies allocation of charges to ratio share of real-time load plus exports
 - 3.2.3A(d) clarifies suspension scenarios for Synchronized Reserves
 - 3.2.3A.001(c) clarifies suspension scenarios for Non-Synchronized Reserves



Section 3.2, Market Settlements (cont.)

- 3.2.3A.01(d) clarifies suspension scenarios for Secondary Reserves
- Language for Synchronized Reserves, Non-Synchronized Reserves, and Secondary Reserves includes Shell friendly amendment from section 2.5.2 that applied to short-term suspensions >6 but <= 24 consecutive hours
 - Alignment between Day-ahead and Real-time reserve products
 - If Day-ahead SR/NSR/SecR prices are available
 - » Day-ahead reserve prices used as Real-time reserve prices for each corresponding hour
 - If Day-ahead SR/NSR/SecR prices are not available
 - » Average of Real-time reserve prices for all intervals of adjacent hours



Section 5.2, Transmission Congestion Credit Calculation

- Section 5.2.3 updated to include language on suspension scenarios impacting Target Allocation of Transmission Congestion Credits
- Section 5.2.7 updated to reflect allocation of Balancing Congestion Charges during a Market Suspension



Section 5.6, Transmission Constraint Penalty Factors

 Section 5.6.1 updated to clarify that Transmission Constraint Penalty Factors will not be used to determine the Marginal Value of a transmission constraint for a Market Suspension greater than 24 consecutive hours



 Section 6.4.1, added new subsection (i) to include language on Market Suspension clarifying that only cost-based offers will be used for all resources for all market clearing and compensation for Market Suspensions greater than 24 hours.



 Section 7.3.8 updated to include language clarifying Market Suspension scenarios impacting FTRs



 Section 14B.1, added new subsection (d) to address billing timelines with respect to the different Market Suspension scenarios



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- First Read: 6/8/2022 (solution package)
- Endorsement: 7/13/2022 (solution package)
- MRC
 - First Read: 11/16/2022 (OA revisions)
 - Endorsement: 12/21/2022 (OA revisions)
- MC
 - Approval: 1/25/2023 (OA revisions)



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