

Five Minute Dispatch and Pricing Tariff/OA Updates

Aaron Baizman
Sr. Engineer II, Real-Time Market Operations
Markets & Reliability Committee
Five Minute Dispatch and Pricing
April 21, 2021

Action Required	Deadline	Who May Be Affected
<p>Communicate Tariff/OA updates to Market Participants</p> 	<p>6/23</p> 	<p>Market Buyers, Market Sellers, CSPs</p> 

- Purpose of Tariff/OA updates:
 - Add clarity regarding PJM Generation Dispatch practices and processes to improve transparency
 - Long-Term solution additions
- Focus on Sections 1.11, 2.2 – 2.6 and 3.2.3

- PJM has several running versions of the Tariff/OA reflecting approved and pending language
- Current draft reflects some approved and pending Fast-Start language
- Approved language that is in place but not effective due to future implementation dates is italicized/comments
 - This helps distinguish between effective Tariff/OA language and approved but not effective Tariff/OA language
- PJM revised Section numbering and sub-numbering

- Section 1.11 title updated to Real-Time Dispatch
- Moved language from Section 2.2 and 2.5 to Section 1.11:
 - Transparency updates to 1.11 (a)
 - Long-Term solution additions in 1.11 (b) and (c)
- Moved section 2.3 to 1.11A to detail the purpose of the State Estimator in the Dispatch solution
- Section 1.11.1 updated to include self-scheduled units
- Section 1.11.3, Pool-dispatched Resources:
 - Clarifies Long-Term envelope method
 - 1.11.3 (a), clarification for limited energy resources
 - 1.11.3 (b), clarification for following dispatch signals sent by PJM

Section 2.2

- Added references for 2.5 and 2.6 sections

Section 2.3

- Entire section moved to Section 1.11A

Section 2.4, Determination of Energy Offers Used in Calculating Real-time Prices

- Section 2.4 (b) updated to note determination of the marginal energy offer based on latest approved RT SCED case

- Section 2.5 (a) updated to note timing of RT SCED case approval and pricing
- Section 2.5 (b) deleted with some language moved to Section 1.11
- Transmission Constraint Penalty Factor added in Section 2.5 (d)
- Section 2.5.1 (a) clarified shortage pricing conditions

- Added language to further clarify types of offers that contribute to the Day-Ahead calculation of prices
- Updates made in Section 2.6 to better detail how Day-Ahead pricing is developed

- Updates to Section 3.2.3 (o) (ii):
 - Ramp-Limited Desired calculation includes Achievable Target MW
 - UDS terms replaced:
 - UDS target changed to Dispatch target
 - UDS basepoint changed to Dispatch signal

- 2nd Read and Endorsement at April MRC
- Endorsement at April MC
- PJM will file Tariff/OA language updates with FERC after receiving Stakeholder approval
- November 1st 2021 Go Live

Chair:

Stu Bresler, Stu.Bressler@pjm.com

Secretary:

Dave Anders,

Dave.Anders@pjm.com

SME/Presenter:

Aaron Baizman, Aaron.Baizman@pjm.com

Market & Reliability Committee, Five Minute Dispatch and Pricing



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com