



Markets Gateway Roadmap

As of October 13, 2021

- None

Action Required	Deadline	Who May Be Affected
None	N/A	N/A



2021									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fast Start Offer Verification									
						◆ Production: Sep 1			

Facilitator:

Foluso Afelumo, Foluso.Afelumo@pjm.com

Secretary:

Risa Holland, Risa.Holland@pjm.com

SME/Presenter:

Kim Warshel, Kim.Warshel@pjm.com

Markets Gateway



Member Hotline

(610) 666 – 8980

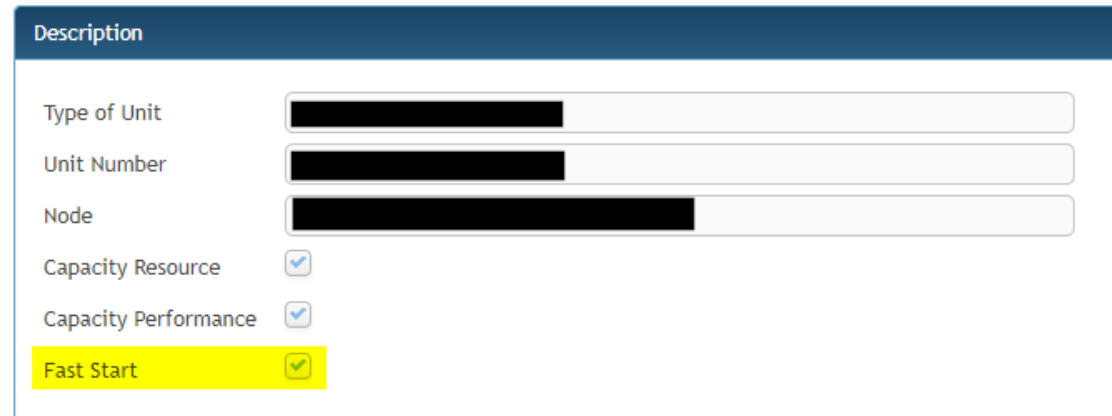
(866) 400 – 8980

custsvc@pjm.com



Fast Start Appendix

- New Flag denotes if the unit is capable of being a Fast Start Resource
- Flag is an input to determine if the unit will be eligible for Fast Start Pricing and integer relaxation
- Only applicable for Generators on a unit level (not schedule)
 - Generator > Unit > Details
 - All Economic Load Response Resources are considered Fast Start capable

A screenshot of a web application interface for unit details. It features a dark blue header with the word "Description" in white. Below the header, there are several input fields and checkboxes. The fields for "Type of Unit", "Unit Number", and "Node" contain blacked-out text. The checkboxes for "Capacity Resource", "Capacity Performance", and "Fast Start" are all checked. The "Fast Start" checkbox and its label are highlighted with a yellow background.

Description	
Type of Unit	[Redacted]
Unit Number	[Redacted]
Node	[Redacted]
Capacity Resource	<input checked="" type="checkbox"/>
Capacity Performance	<input checked="" type="checkbox"/>
Fast Start	<input checked="" type="checkbox"/>

- New display added to Markets Gateway to provide information if the Composite Energy Offer is above \$1,000/MWh for Fast Start Resources
- Display details
 - Read-only display
 - All inputs used to calculate the composite offer
 - Composite Energy Offer calculated at Ecomax
 - Results of automated validation of Startup Cost and No Load Cost (For Generators only)
 - Shutdown Cost for Economic Load Response
 - Results can be viewed by participant or individual unit level
 - Supports XML

- Bilaterals
- Con Edison
- Demand
- ▶ Demand Response
- ▼ Generator
 - Unit
 - Schedules
 - Dispatch Lambda
 - Market Results
 - Regulation Market

Market Day Portfolio

Refresh

- Offers
- Offer Updates
- Detail
- Detail Updates
- Manager
- Selection
- Availability Update
- Restriction Information
- TPS Schedule Switch
- Fuel Price Exceptions
- Composite Offer Verification

ALL UNITS													
Ho ^	Location	Schedule	Calculated Composite Offer	Noload Incremental Valid	Cold Startup Cost Valid	Noload Cost	Cold Startup Cost	Incremental Offer At Economic Maximum	Economic Maximum	Minimum Runtime	Hot Startup Time	Notification Time	Use Slope
Show all	Show All	Show	Show all	Show All		Show all	Show all	Show all	Show all	Show all	Show all	Show all	Show All



Economic Load Response Energy Offer Example

- Composite Offer greater than > \$1000/MWh with PJM approved shutdown cost of \$200
- HE 13: CSP entered shutdown cost \$1200 and incremental offer \$26 for 1MW.
Composite offer >\$1000, Shutdown cost >\$200 – not valid. Offer is not used to set LMP
- HE 16: CSP entered shutdown cost \$300 and incremental offer \$900 for 1MW.
Composite offer >\$1000, Shutdown cost >\$200 – not valid. Offer is not used to set LMP
- HE 17: CSP entered shutdown cost \$100 and incremental offer \$950 for 1MW.
Composite offer >\$1000, Shutdown cost <\$200 – valid. Offer \$1,050 is used to set LMP

Market Day Portfolio

Offer Curve Manager Offers Offer Updates Parameters Schedule Selection Hourly Updates **Composite Offer Verification**

Hour	Location	Schedule	Calculated Composite Offer	Shutdown Cost Valid	Shutdown Cost	Incremental Offer At Economic Maximum	Economic Maximum	Minimum Downtime	Notification Time
Show all			Show all	Show All	Show all	Show all	Show all	Show all	Show
13		Sced2 (2)	1226.36	No	1200	26.36	1	1	
16		Sced2 (2)	1200	No	300	900	1	1	
17		Sced2 (2)	1050	Yes	100	950	1	1	



Product Details

[Markets Gateway](#) allows users to submit information and obtain data needed to conduct business in the Day-Ahead, Regulation and Synchronized Reserve Markets.

Key Product Features

- View Market Results
- Manage Generation and Load Response Portfolios
- Manage Ancillary Service Data
- Manage Market Offers and Transactions