Markets Gateway Roadmap

As of August 18, 2020

- DA must-run to Economic change implementation was rescheduled from July 28 to August 13

- Added changes to eliminate the need for zero marginal cost units to have Fuel Cost Policies.

- Added dates for the Hourly Differentiated Segmented Ramp Rates enhancement

Action Required	Deadline	Who May Be Affected
DA must-run to Economic change	**Effective on August 13 12 a.m.**	Markets Gateway UI & XML Users
Eliminate the need for zero marginal cost units to have Fuel Cost Policies.	**Effective on September 1, 2020**	Markets Gateway UI & XML Users

Action Required	Deadline	Who May Be Affected
Increase Energy Offer curve segments from 10 to 20 for all resources in DA and RT	**Effective on September 8 12 a.m.**	Markets Gateway UI & XML Users
Submit Hourly Differentiated Segmented Ramp Rates for resources in both the DA and RT	**Effective on January 5, 2021**	Markets Gateway UI & XML Users

2020 Markets Gateway Roadmap

	2020						2021			
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Increase Energy Offer curve segments			◆ Train: August 25	◆ Production: September 8							
Hourly Differentiated Segmented Ramp Rates							◆ Train: December 3	◆ Production: January 1			
Limit Must-run to Economic change		◆ Train: July 14	◆ Production: August 13								
Eliminate Fuel Cost Policies for zero marginal cost units				◆ Production: September 1							

Tech Change Community

- PJM plans to provide more flexibility for complex resources (like combined cycles) in their next generation energy market (nGEM)

- Since nGEM will not be available for several years, the Modeling Generation Senior Task Force has requested that PJM develop modeling options which can be implemented in the near-term

- The near term items planned are:

  – Add additional segments to the Energy Offer Curve beyond the 10 currently available to increase resource configuration modeling capabilities for all resources, in both DA and RT. Plan is to move from 10 to 20 segments

    - **Target schedule: Train – August 28, Production – September 8**

  – Provide market participants with the ability to submit Hourly Differentiated Segmented Ramp Rates for resources in both the DA and RT Markets. Hourly updates follow Intraday Offers (IDO) rules

    - **Target schedule: FERC approved – Effective date of January 5, 2021**

- PJM has determined that the current Day Ahead Market software allows units that are committed as must-run in the Day ahead Market to subsequently change that status to Economic after the Day Ahead market clears

- Per PJM's Manual, if the unit was committed as MUST RUN for a specific hour then they can not make the unit Economic for that hour. If the unit is not committed for an hour then they may update the status

- Generators who have been making this change have been contacted

- PJM will provide the fix for this issue: Train – July 14,   Production – August 13

- Remove requirement for zero marginal cost resources to have PJM-approved fuel cost policy

- Units that **do not** meet the following criteria are required to submit $0/MWh in Markets Gateway:

  - Have a PJM-approved fuel cost policy; or

  - Indicate to PJM that they wish to use the temporary cost offer methodology*

- 205 filing accepted by FERC, effective September 1, 2020

*Enables a Market Seller to submit a basic cost-based offer, which would not include any adders such as variable operating and maintenance adders, emission adders, or a 10% margin, while the Market Seller works towards getting a fuel cost policy approved by PJM

- Resources without an approved fuel cost policy, or utilizing the temporary cost offer methodology may only submit $0 for the resources' cost-based start up cost, no load cost, and incremental energy offer curve

- PJM will send a flag to Markets Gateway for resources that do not have an approved policy & are not using the temporary offer methodology

- All currently approved zero marginal cost fuel cost policies will expire on November 1, 2020

- Market Sellers must indicate to PJM that they wish to use the temporary cost offer methodology

  - Email FuelCostPolicyAnalysis@pjm.com

  - Must receive confirmation from PJM that temporary cost offer methodology can be used

- No action required if resource wants to enter $0 for all cost-based schedules

Effective September 1, 2020:

- Zero marginal cost resources are not required to have an approved fuel cost policy

- Resources without approved fuel cost policy, that are not using temporary cost offer methodology, will only be able to enter $0 for all cost-based schedules

- No action required from Market Sellers that wish to submit $0 cost offers

- **Markets Gateway offer submission screens will be updated to only allow members to enter 0 for all hours on all cost based schedules (schedules 1-9) for the below fields when Fuel Cost Policy flag is set to 1 (MG > Generator > Schedules)**

  Offers tab

  Price

  Offer Updates tab

  Price

  Detail > Costs

  Cold Startup

  Intermediate Startup

  Hot Startup

  No Load

  Detail Updates

  No Load Cost

  Cold Startup Cost

  Intermediate Startup Cost

  Hot Startup Cost

- **The Markets Gateway offer submission screens will be updated to only allow members to enter 0 for all hours on the start up and no load portion of a price-based schedule (schedules 79 & 99) when a price-based unit elects to use a cost-based start up and no load. This includes all fields below when Fuel Cost Policy flag is set to 1 (MG > Generator > Schedules)**

  Detail > Costs

  Cold Startup

  Intermediate Startup

  Hot Startup

  No Load

  Detail Updates

  No Load Cost

  Cold Startup Cost

  Intermediate Startup Cost

  Hot Startup Cost

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