Markets Gateway Roadmap

As of May 22, 2018

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

2018 Markets Gateway Roadmap

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ALL added to XML query						Train and Prod: 6/21						
Order 831 Offer Verif. (auto)							Prod: 7/20					
Soak time								Q3				
Minrun time, Notification time								Q3				

Legend
- Start Date
- End Date

‘All’ XML Query Detail

- Several participants have requested adding ‘ALL” to the following new IDO queries:
  - QueryScheduleUpdate
  - QueryScheduleDetailUpdate
- The new IDO queries currently have the "location" and "schedule" as required attributes, which forces users to query every location/schedule combination in order to obtain a complete set of the data submitted to the market
- Target timeframe – June 21 for Train and Production
- External Interface Specification Guide, v56 and XSD information is posted on the Markets Gateway Tools page

Area	Impact	Action Required
Browserless (XML API)	New XML Query Option Available for some queries	None - optional functionality. Users may update XML calls for the above queries after the production release.

Order 831 Offer Verification

- On April 2nd, Order 831 – Offer Verification was approved by FERC, with an implementation date 10 days later (April 12)
- Starting with the April 12 Market Day, the **incremental energy offer price cap in Markets Gateway changed to $1,000/MWh** (from $2,000/MWh) for **all** schedules (Cost-based, Priced-based, and Price PLS schedules), for both daily and hourly offers (Generator > Schedule > Offer and Generator > Schedule > Offer Details)
- As discussed previously, PJM has implemented a manual process for the verification of all incremental cost-based offers over $1000, which became effective with the April 12 Market Day
- If you anticipate the need to submit a Cost-based offer over $1,000 please become familiar with the Offer Screening and Exception Process by reviewing the Offer Verification Instructions and Guidelines on the Offer Verification Webpage
  - Participant submits offer curve via Markets Gateway or XML, where all desired segments greater than $1,000/MWh, are set equal to $1,000/MWh.
  - Participant fills out template and submits via Sharepoint site
  - PJM evaluates information and communicates segments approved
  - Participant resubmits offer curve via Markets Gateway or XML reflecting the approved segments values
- Automated process targeted for mid to late July

Soak Time

- In preparation for the future implementation of soak time, certain parameters will be added to Markets Gateway for data collection purposes only
- Cold, intermediate and hot soak time data fields will be added on the Generator > Schedules > Detail screen in Markets Gateway to the Time section
- Soak time is defined as the minimum number of hours a unit must run from the time after generator breaker closure (MWs greater than 0) to the time the unit is dispatchable
- Participants will not be required to enter this information
- Target implementation (UI and XML): Q'3 2018

Notification time/minrun update

- On April 5th, PJM made some adjustments in Markets Gateway to min run time and notification time update times to bring them into alignment with the Intraday Offers Manual 11 language which stated updates specifying hourly differentiated values may only be submitted starting at 1830 day-ahead
- Subsequent to the change, participants expressed a desire to restore the previous submission timing for the Min Run and Notification Time parameters for operational flexibility
- In response, Manual 11 changes were presented and approved at the May 2 MIC that remove language that details when hourly updates can be submitted for min run time and notification time parameters, and clarify that hourly differentiated values will be used in RT only (so disregarded in the DA market clearing)
- If the changes are approved at the May 24 MRC, PJM will work with our vendor to restore input of hourly differentiated min run time and notification time prior to DA close and during the rebid period (as well as starting at 1830 day-ahead)
- Target implementation (UI and XML): Q'3 2018

Capacity Performance Update
Parameter Applicability

		Applicable Delivery Years					
		15/16	16/17	17/18	18/19	19/20	20/21+
PLS Values	Default	Annual			Annual FRR Only		
	Unit Specific or Adjusted Unit Specific		CP	CP	CP Base	CP Base	CP

- Exceptions may apply regardless of whether the PLS is default, unit specific, or adjusted unit specific
  - Temporary – less than 30 days
  - Period – 31 days to a year
  - Persistent – greater than a year

Base Capacity Resources subject to USP starting 6/1/2018

Parameter Applicability for DY 2018/19

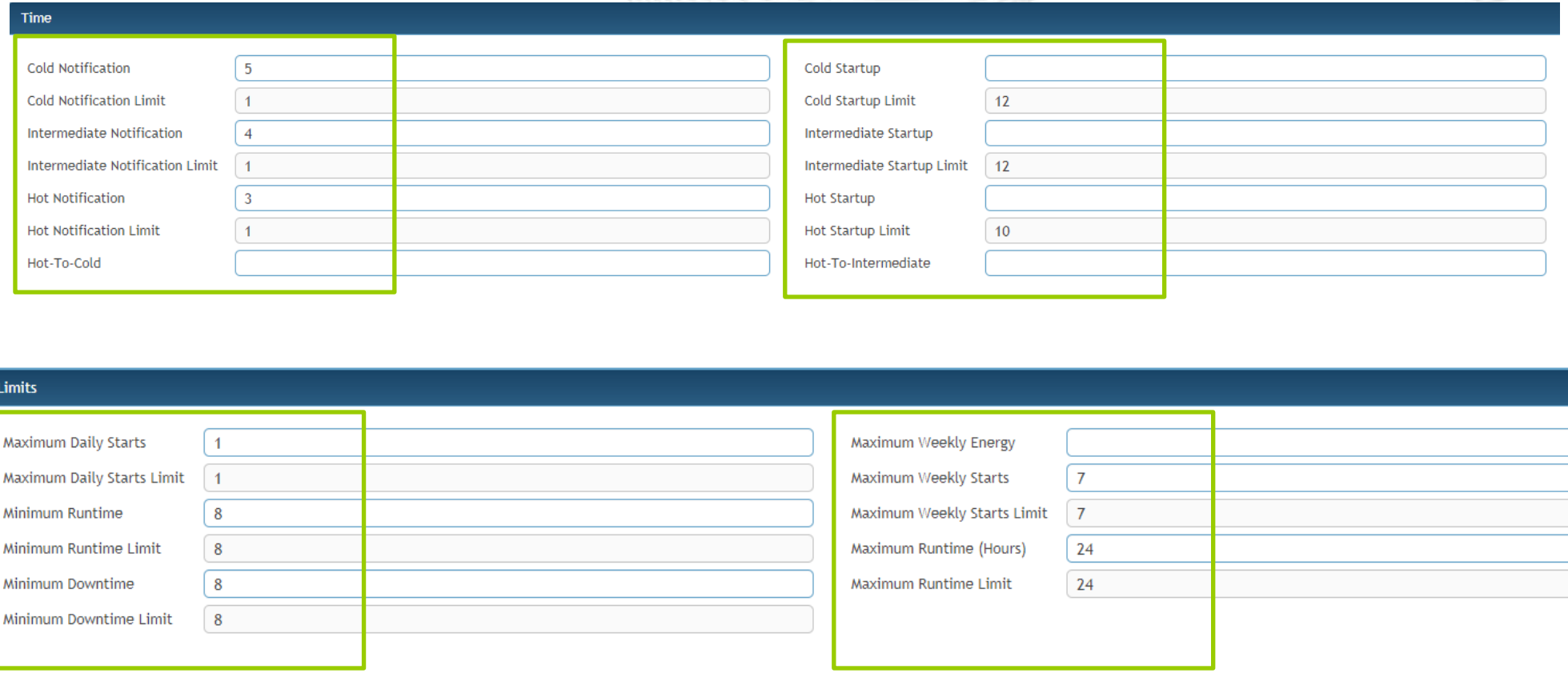
DY 2018/19	Applicable Limits	Consideration of Price PLS in DA/Dispatch
Capacity Performance	USP	Max Gen Emer/Max Gen Emer Alert/HWA/CWA/ Anticipated Actions*
Base Capacity	USP	*June - September* Max Gen Emer/Max Gen Emer Alert/HWA/ Anticipated Actions*
Fixed Resource Requirement (FRR)	PLS Default	Max Gen Emer/Max Gen Emer Alert/Anticipated Actions*
Energy Only	N/A	N/A

*Refer to OATT, Attachment K Appendix, Sec 6.6 Minimum Generator Operating Parameters

Action Required in Markets Gateway

- Market Sellers must review Price-PLS and Cost-Based schedule parameters for the June 1 market day
  - Ensure they conform to values listed in the associated “Limit” fields.
  - June 1 market day will be updatable on Friday, May 25 through Thursday, May 31 at 1030.
  - Any updates made for the June 1 market day will carry forward to future market days.
  - Markets Gateway will reject updates to schedule availability if PLS schedule parameters do not comply with the new limits

Schedule Detail Screen



Turndown Ratio is a function of the specified Eco Min and Eco Max