

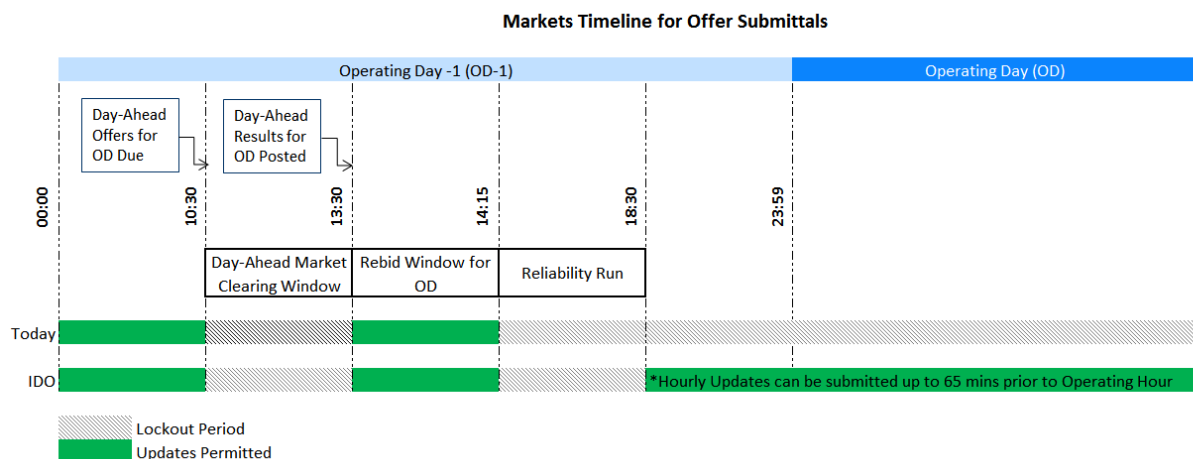
Intraday Offers Market Trials September 19/20 & October 4/5

1.0 Purpose

PJM will be conducting market trials in preparation for the implementation of Intraday Offers on November 1, 2017. The Market Trials are designed to provide PJM Market Participants with the opportunity to submit Day-Ahead generation offers, view clearing results, submit updates to their offers during the rebid period, and submit Intraday Updates to their offers using PJM's Markets Gateway Intraday Offers Training environment. PJM Staff will also be readily available during the period to answer any questions related to the Intraday Offers rules or technical implementation details.

2.0 Time

PJM will conduct two market trials during this phase, one for the operating dates of September 19 and 20 and another for the operating dates of October 4 and 5. PJM will replicate the same timing as the production environment as illustrated below:



For example, day-ahead offers will be accepted up until 10:30 on September 19 for the operating date of September 20. Intraday offers updates for September 20 may be submitted after 18:30 on September 19 up through T-65 minutes prior to the affected operating hour.

NOTE: All units will be opted-in for these Market Trial exercises, unless otherwise requested.

3.0 Process

The Day-Ahead case will solve every day and the results will be posted on the Markets Results screen in Markets Gateway. Results will be similar, but not exactly equal, to the Production Day-Ahead Market case. Participants should plan to have compliant schedules in the system and provide offers that will enable units to be committed in the Day-Ahead Market case.

PJM staff will be available from 8:00 a.m. to noon, and 1:00 p.m. to 5:00 p.m. (eastern time) on September 19/20, and October 4/5, to handle any questions or issues that arise during Participant testing. Please contact your client manager or email custsvc@pjm.com for any issues and they will be forwarded to the Intraday Offers team.

4.0 What can be tested

1. Eligible schedules to be updated – Cost(1-12), Price PLS (79), Price (99)
2. Day-ahead - Participants may submit hourly differentiated offers throughout the day ahead period for the following:
 - MW-Price pairs
 - MW blocks
 - No Load Fee (cost based only)
 - Cold Startup (cost based only)
 - Intermediate Startup (cost based only)
 - Hot Startup (cost based only)
 - Users may also switch to cost until 10:30 for the following Market Day
3. Rebid - During the rebid period Participants may update both the daily and hourly values. Updates will be made on either the Schedules Offer (daily), Schedules Detail (daily), Schedules Offer Updates (hourly), or Schedules Detail Update (hourly) screens
 - In the rebid period, MW blocks may be updated for uncommitted hours only
4. Realtime - Starting at 18:30 Participants will be able to modify their parameters for the next operating day
 - The deadline for Hourly Updates is 65 minutes before the operating hour
 - Users are required to first enter a daily offer in order to do hourly updates
 - Price-based offers may be increased or decreased for uncommitted hours
 - Price-based offers can be decreased in committed hours; however they cannot be increased in those hours
 - Cost-based offers may be increased or decreased in both committed and uncommitted hours
 - MW blocks may not be updated in realtime
 - Start up and no load – Cost-based offers can increase or decrease for committed or uncommitted hours. Price-based offers cannot be updated outside of the twice yearly submission window
 - Minrun time - Daily by schedule, Hourly updates in RT only. Locked for committed hours.
 - Notification time - Daily by schedule, Hourly updates in RT only.
 - Synchronized Reserve Offer Price and MWs – Can differ for each hour and be updated on an hourly basis

- Regulation Offer Price and MWs - Can differ for each hour and be updated on an hourly basis
- DSR Min Down Time Limit – Daily parameter by resource, hourly updates allowed in RT Locked for committed hours
- DSR Notification time - Daily parameter by resource, hourly updates allowed in RT
- DSR eco min/max – Hourly updates allowed in RT
- DSR Price – May be updated in RT for uncommitted hours only

5.0 What is not available in Market Trials

- Switch to cost for RT – users can make changes in Markets Gateway but no results will be visible
- Three pivotal supplier schedule switching – no schedule switches will be visible on the Markets Gateway schedule switch screen
- Schedule availability change for dual fuel – users can make changes in Markets Gateway but no results will be visible
- Any realtime dispatch
- Settlements Reports