

**Gas Unit Commitment Coordination (OC)
2014/2015 Winter Scope
Intraday Cost Update and New eMKT Field Manual Process
December 31, 2014 v.3**



Introduction

The Gas Unit Commitment Coordination (OC) 2014/2015 Winter PJM scope includes the following items which were approved at the November 20, 2014 Markets and Reliability Committee Meeting:

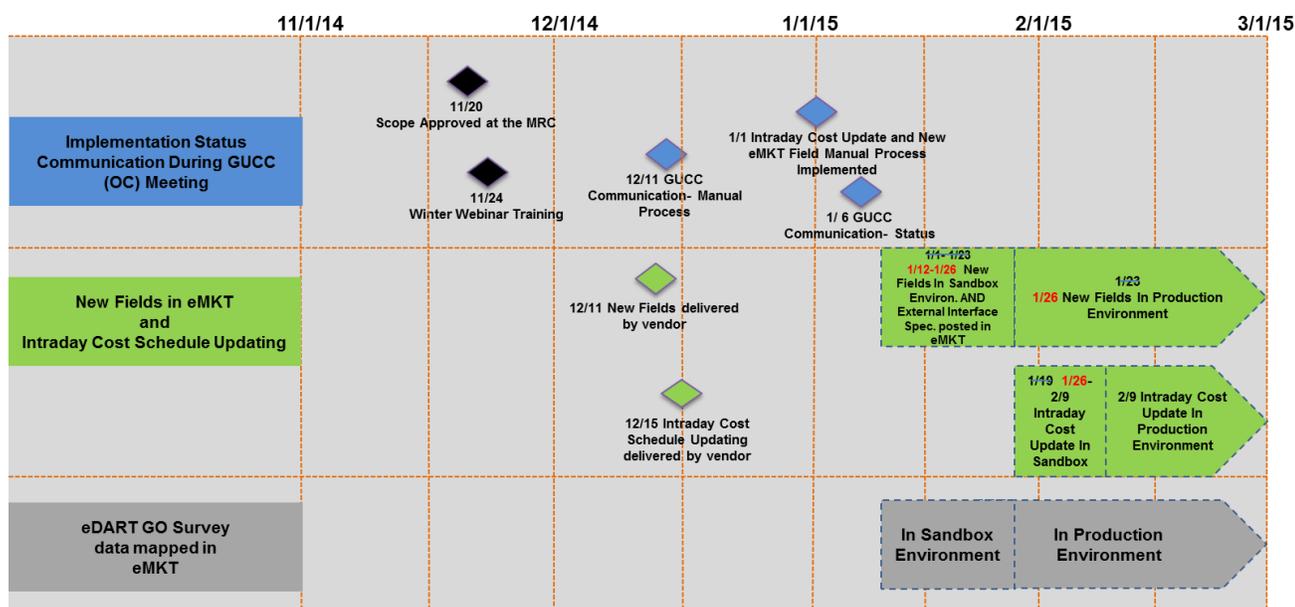
<http://www.pjm.com/~media/committees-groups/committees/mrc/20141120/20141120-item-04-gas-unit-commitment-presentation.ashx>

- 1- Data Accuracy for Existing Fields
- 2- New Data Fields in eMKT(Operational Restrictions and Fuel data)**
- 3- File Upload Capability
- 4- Fuel Policy Updates
- 5- Last Updated Information
- 6- Notification Time Change Alert
- 7- Reinforcement of Critical Information and Reporting Requirements
- 8- Units Committed in Advance of the DA Market Posting
- 9- Operator Communication Clarification
- 10- Intraday Cost Schedule Updating**

The New Data Fields in eMKT and Intraday Cost Schedule Update functionality are currently under development and testing and are scheduled to be in the Production environment for members to utilize late January (new data fields) and early February 2015 (intraday cost schedule update). The Intraday Cost Update and New eMKT Field Manual Process has been developed to support members and PJM operations during the 2014/2015 Winter prior to the production implementation. The manual process is scheduled to be implemented on 1/1/15 and communication will be provided to members via the OC email distribution list and the process documentation will be posted in eMKT. The manual process will expire upon the implementation of the systematic process.

Stakeholder Production Implementation Timeline

Last Updated 12/31/14



Manual Intraday Cost Update Process Details

During RTO wide cold weather alert periods, eligible units will submit a template formatted email to PJM to indicate which submitted cost schedule most closely reflects actual costs for their generating units.

Participation Criteria:

- 1- RTO wide cold weather alert period is in place
- 2- Generator is NOT committed in the Day-Ahead (DA) or Reserve Adequacy Run (RAC).

Participation Details:

- 1- Generators will be required to submit a template based email between 1800-2100 the day before indicating that they will be participating in the Intraday Cost Update process for the following day.
- 2- Generators will be required to submit a template based email between 0800-1000 the current operating day indicating one cost based schedule per fuel type to be made available to reflect actual costs. Only one cost schedule per fuel type can be submitted.
- 3- Generators must select a cost based schedule from the potential 79 cost-based schedules they may have previously submitted and made available in eMKT by 1800 the day prior. Cost based schedules must conform to PJM Manual 15 Cost Development guidelines.
- 4- (Detail added 12/31/14 for clarification) If the unit is online for any reason prior to 1000, they will no longer be eligible to switch their schedules. Generators should still send the email template indicating which cost schedule should be available. In the event that the unit would be released during the operating day and scheduled to run again, the new schedule would then be used.

PJM and Generator Owner Responsibilities:

	Day Prior 1800-2100	Current/Operating Day 0800-1000	Current/Operating Day 1000-1200
Generator Owner Responsibilities	<p>Submit email template indicating they are participating in the Manual Intraday Cost Update Process</p> <p>*If no email is sent, it is assumed the generator does not wish to change their cost scheduled for the next operating day.</p>	<p>Resubmit the same original email with PJM approval and indicate which cost based schedule should be made available for the Current/Operating Day.</p>	
PJM Responsibilities	<p>After 2100, PJM will review and confirm eligibility to participate in the Manual Intraday Cost Update Process. PJM will reply back to the participation email with approval for use during the next operating day.</p>		<p>Based on email provided by Generator, the Price based schedule will be marked unavailable and the requested cost based schedule will be marked available (all other cost based schedules will be marked unavailable) in the Dispatch Management Tool. Once updates are completed, PJM's scheduling and optimization tools will run. The availability of the cost based schedule will be effective as of the time PJM completes the update in DMT (between 1000-1200).</p> <p>PJM will provide email confirmation once requested cost based schedule availability is updated.</p>

Manual Intraday Cost Update Email Templates

Email links with the detailed templates will be provided in an email to the OC email distribution list. One email template can be utilized for multiple units or excel spreadsheet with template information may be submitted.

[Click here to open manual cost switch email template](#)



GUCC Manual Cost Switch Template.xlsx

Day Prior 1800-2100 Participation in the Manual Intraday Cost Update Process Email Template

The following cost based schedule information is being provided to participate in the PJM manual intraday cost update process for the next operating day.

Unit Name:

Date to Provide Intraday Cost Schedule Updates:

Contact Information Email:

Contact Information Phone Number:

Participation in the Manual Intraday Cost Update Process Email Details

- 1- The conditions and eligibility requirements should be reviewed and confirmed by the Generator Owner prior to submitting the participation request email.
- 2- The email will be submitted to manualcostswitch@pjm.com 1800-2100 the day prior to the operating day. Late emails will not be accepted.
- 3- Failure to submit the participation request email the day prior to the operating day will forfeit the Generator Owner's ability to submit manual intraday cost schedule updates for the next operating day.

Current Operating Day 0800-1000 Manual Intraday Cost Update Process Email Template

The following cost based schedule information is being provided to participate in the PJM manual intraday cost update process for the current operating day.

Unit Name:

Cost Schedule Description:

Cost Schedule Name:

2 Digit Cost Schedule Type (eMKT Schedule Manager Screen):

Operating Day for which Intraday Cost Schedule Updates are being Provided:

Contact Information Email:

Contact Information Phone Number:

Current Operating Day 0800-1000 Manual Intraday Cost Update Process Email Details

- 1- Generators must select an updated cost based schedule from the current 79 cost-based schedules available in eMKT at 1800 the day prior.
- 2- The information will be submitted to manualcostswitch@pjm.com 0800-1000 on the operating day. Late emails will not be accepted.

Manual Intraday Cost Update vs. Systematic Intraday Cost Update Process

	Systematic Intraday Cost Update Process	Manual Intraday Cost Update Process
Condition	In place everyday	RTO Wide cold weather alert is in place
Eligibility to Participate	Generator is NOT committed in the DA or RAC AND for hours AFTER the last DA/RAC committed hour	Generator is NOT committed in the DA or RAC
Generator Notification to PJM to Participate	Between 1800-2100 the day before Generators will select Use Cost Schedule in Real-Time flag in eMKT	Between 1800-2100 the day before Generators will submit a template based email indicating that they will be participating in the Intraday Cost Update process for the following day
Cost Schedule Availability	Generators are eligible to update availability for one cost schedule per fuel type	Generators are eligible to update availability for one cost schedule per fuel type
Cost Based Schedule Selection	Generators must select a cost based schedule from the potential 79 cost-based schedules they may have previously submitted and made available in eMKT by 1800 the day prior. Cost based schedules must conform to PJM Manual 15 Cost Development guidelines.	Generators must select a cost based schedule from the potential 79 cost-based schedules they may have previously submitted and made available in eMKT by 1800 the day prior. Cost based schedules must conform to PJM Manual 15 Cost Development guidelines.
Tools	eMKT	Email template

New eMKT field Manual Process Details

New data fields for Operational Restrictions and Fuel data are scheduled for the Production environment for members to utilize at the end of January 2015. The following static data will be available to PJM dispatchers from the November 2014 Generator Database survey responses:

- 1- Operational Restrictions
- 2- Dual Fuel Capability, Time to Transition, MW output during Transition, Fuel Type, and Start up Fuel

Real Time Operational restrictions will continue to be provided as soon as they change via the current process to PJM dispatch by phone until the new fields are available in eMKT (expected end of January 2015).

Training

Training on the manual process can be found at the link below:

<http://pjm.com/Globals/Training/Courses/ol-manul-cost.aspx>