Gas Unit Commitment Coordination

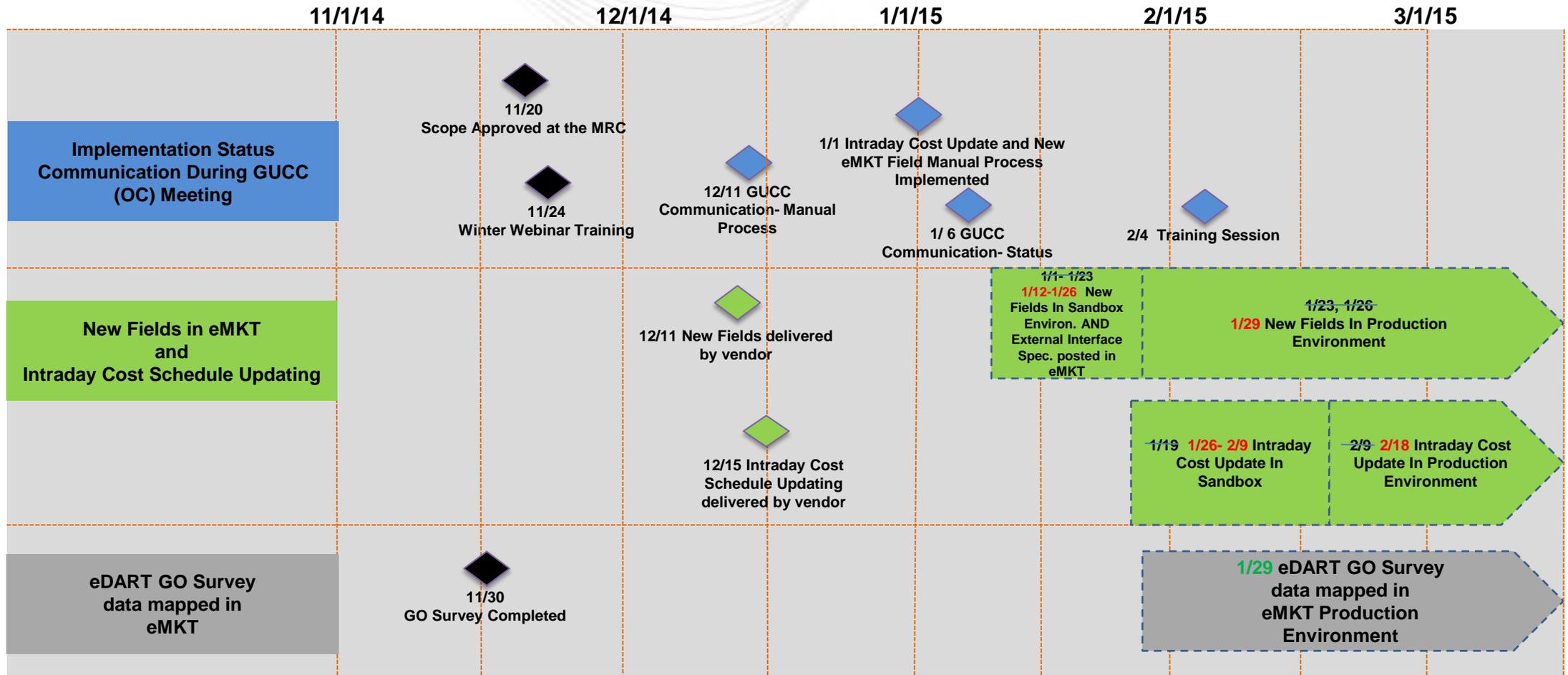OC
February 10, 2015

Updates on 2/10/15 from the OC Meeting are in GREEN font

Stakeholder Production Implementation Timeline

Last Updated 2/10/15

	11/1/14	12/1/14	1/1/15	2/1/15	3/1/15

Implementation Status Communication During GUCC (OC) Meeting

11/20 Scope Approved at the MRC

11/24 Winter Webinar Training

12/11 GUCC Communication- Manual Process

1/1 Intraday Cost Update and New eMKT Field Manual Process Implemented

1/6 GUCC Communication- Status

2/4 Training Session

New Fields in eMKT and Intraday Cost Schedule Updating

12/11 New Fields delivered by vendor

1/1- 1/23 ~~1/12-1/26~~ New Fields In Sandbox Environ. AND External Interface Spec. posted in eMKT

~~1/23, 1/26~~ 1/29 New Fields In Production Environment

12/15 Intraday Cost Schedule Updating delivered by vendor

~~1/19~~ 1/26- 2/9 Intraday Cost Update In Sandbox

~~2/9~~ 2/18 Intraday Cost Update In Production Environment

eDART GO Survey data mapped in eMKT

11/30 GO Survey Completed

1/29 eDART GO Survey data mapped in eMKT Production Environment

	Energy Fuel Type/ Subtype and Startup Fuel/Subtype **REQUIRED**	Intraday Cost Schedule Update Functionality **OPTIONAL**
What	Energy Fuel Type/ Subtype and Startup Fuel/Subtype data fields are **REQUIRED** for the eMKT UI and XML	Members will have the ability to change the availability of their submitted cost schedules intraday to more accurately reflect the true cost of generation. Users may make a different cost schedule available (one per fuel type) each hour. This can be done any day, not just during Cold Weather Alerts.
Why	- Cold Weather and Hot Weather Recommendations - GO Generator Survey - eMKT database dictionary - M14D, Section 2.1 and Section 7 - M13	Functionality requested by members and developed in the Gas Unit Commitment Coordination (OC) group.
Who	All Members who submit Offers via eMKT (this does not include virtual offers or up to congestion offers)	All Members who would like to change availability of cost schedules intraday
When	Required by 4/1/15	Functionality available 2/18/15 in production.
Impact	If data for required fuel fields is not entered, **Offers can not be submitted on 4/1/15 for 4/2/15**	Manual process for intraday cost switching will no longer be supported by PJM.
What do I have to do?	- Ensure all cost schedules in eMKT have required fuel data entered. - Recommend deleting cost schedules which are no longer used or else a fuel type will need to be provided for them. - Update XML code from Fuel Type to Energy Fuel Type	See Next Slide for details

	2/18/15 Intraday Cost Schedule Update Functionality OPTIONAL
What do I have to do?	1- The Use Cost Schedule in Real Time box may be checked starting 2/18/15 between 1800- 2100 to change availability of cost based schedules intraday for the 2/19/15 operating day. Members' intent to use this functionality needs to be submitted each day prior to the operating day This can be done in XML or via the User Interface. 2- Ensure **all** schedules in eMKT have Energy Fuel Type and Subtype and Startup Fuel and Subtype data entered. • Recommend deleting cost schedules which are no longer used or else a fuel type will need to be provided for them. • Update XML code from Fuel Type to Energy Fuel Type • Update XML code to include Startup Fuel and Subtype 3- New Code from vendor planned for delivery on Friday 2/13 to Sandbox. Enhancements included in this release are: • The ability to keep fuel information (Energy Fuel Type and subtype and Startup Fuel and subtype) in the system if it has been added through the GO survey or via the user interface or via XML. The fuel data will not be required to be entered each time. Once data is entered, only members' desired updates should be provided. • PJM will provide an XML query so that XML users can import the list of acceptable fuel types to use in their XML. Information will be included in the posted XML Spec and will be emailed out. 4- NOTE: If you have already updated your XML to provide fuel information each time, these enhancements should not have an impact. It is still advisable to test your code in the Sandbox environment once these enhancement are released to validate. 5- NOTE: Once the optional Intraday Cost Schedule Update functionality is available in the eMKT production system on 2/18/15, the Manual Temporary Cost Update process will **NO LONGER** be supported by PJM.

- PLS Exception Process
  - Roles & Responsibilities
  - Communication
  - Documentation
- Technical Implementation

	PLS Exception Process	**Winter Preparedness**	**Manual Temporary Cost Switch**
What	As detailed in M11 and the tariff, process for members to submit Temporary exceptions to Parameter Limited Schedule fields: • Turn Down Ratio • Minimum Down Time • Minimum Run Time • Maximum Daily Starts • Maximum Weekly Starts	Process initiated on 12/5/14 to support discussions with members, MMU, and PJM to review winter conditions members may face. Topics for discussion may include: exceptions to default PLS values, extended notification times, intraday cost schedule update process, or fuel policy reviews.	Temporary process initiated on 1/1/15 to support winter operations until the intraday cost schedule update process is available in eMKT (ON HOLD). The process can be utilized by members **only during a RTO wide cold weather alert**.
Contact Email	temporaryexceptions@pjm.com	WinterResourcePreparationDiscussion@pjm.com	manualcostswitch@pjm.com

- Members may submit temporary exception requests via eMKT (Parameter Limits-Exception Parameter Limits Screen).

- Exception requests are initially considered accepted without prior review.

- Documentation of exception must be provided to MMU and PJM within 3 days of beginning of exception.

- The exception can be terminated in eMKT by PJM if PJM does not approve of the request.

- The MMU may not agree with PJM's decision and will communicate to the member.

The following verbiage will be included in the auto-response when emails are submitted to the temporaryexceptions@pjm.com email

"PJM hereby provides notification that the requested parameter limited schedule temporary exception is automatically deemed accepted and will be in effect for up to 30 days from the start date of the exception, as specified in your request, consistent with Section 6.6 of Attachment K-Appendix of the PJM Tariff and the parallel provision of Schedule 1 of the PJM Operating Agreement. Please be reminded of your obligation to provide PJM and the IMM, within three days of the commencement of the temporary exception, the documentation explaining in detail the reasons for the temporary exception, as well as your obligation to respond to additional requests for information from PJM and the IMM within three days after such request. Failure to provide a timely response to such request for additional information shall cause the temporary exception to terminate the following day, per Section 6.6. At any time after the submission of the temporary exception request, should PJM determine that any misrepresentations were made by your company as part of the exception request, either through its communications with the PJM or the IMM, or the documentation provided to PJM or the IMM as part of your company's support for the exception request, PJM may pursue any and all available remedies with respect to the impact of the granted exception on PJM's markets, operations or settlements."

The following list is PLS exception documentation that a gas generator may be requested to provide. This list will be added to the eMKT page and posted to the Reports and Notices page on pjm.com

• Pipeline or LDC critical posting/notification (OFO)
• Requestor's email to Interstate Pipeline or LDC requesting specific burn profile including burn profile submitted
• Email from Interstate Pipeline or LDC in response to requested burn profile
• Email/ posting from Interstate Pipeline or LDC limiting the submission of a nomination to adjust delivered quantity (i.e. a rejection of an ID1 or ID2 nomination to adjust supplies, specifically a reduction of supply)
• Interstate Pipeline or LDC scheduled Quantities Report (report of nominated vs scheduled quantities)
• Description of applicable Firm Transportation contract:
  • Contract Number
  • Maximum Daily Quantity
  • Primary Receipt and Delivery points
• Supply purchasing contract demonstrating minimum takes
• Screenshot of nomination for Non-Firm contracts

#	Design Components[1]	Next Steps
9	Economic Indicator	The MMU is working on a methodology to present to stakeholders.
10	Notification/Startup Time Parameter Approval/Change Process	2/10/15 OC Review
11	Notification/Startup Time Parameter Obligations	
12	Safe Harbor	2012 Startup & Notification Time Scope
19	Adjustment of notification time to nomination cycles	
13	Short Lead Time Startup Cost Offers	This item will be referred to the CDS for discussion.
15	Exception Process Extension for Generator Operating Parameters	Winter Resource Preparation Discussion email and process has been established to support discussions with MMU, PJM, and members and discuss options.
16	Ability to update a cost schedule with the actual price (as opposed to making the closest schedule 'available') as well as allowing the ability to add the duration of time that schedule is good for. Ability to denote costs for units by certain hour(s)	Evaluation and review of 2014/2015 winter operations and effectiveness of use of Intraday cost schedule updates will be completed during and after 2015/2015 winter. Observations will be shared at the MIC during the April/May 2015 timeframe with any suggestions for next steps.
17	Parameter Limited Schedule discussions on current rules	Current rules and Capacity Performance filing rules to be reviewed and discussed further
18	Allowing greater than 24 hr. min run time	Evaluation and review of 2014/2015 winter operations, including unit's use of unit parameters, will be completed during and after 2015/2015 winter. Observations will be shared at the MIC during the April/May 2015 timeframe with any suggestions for next steps.