Gas Unit Commitment Coordination (GUCC) FAQs

1. **What new functionality is currently available for users to access in the eMKT sandbox?**

   Users will now be required to enter Energy Fuel Type and Startup Fuel Type for their units. They will also have the ability to enter the following additional unit information: Operational Restrictions and Hours at Full Load Remaining for any restrictions, Dual Fuel Capability, Dual Fuel Availability, Time to Transition and MWs to Transition.

2. **What methods for entering this data will be available?**

   Users may utilize the User Interface screens or use the XML upload option.

3. **Will there be instruction on how to set up the XML?**

   Yes, the eMKT External Interface Specification Guide is available and posted at http://www.pjm.com/markets-and-operations/etools/emkt.aspx.

4. **This information was requested from us on the GO Survey, why do we have to input it again?**

   Although not available now, when these fields are released to the Production environment the information entered on the survey for Energy Fuel Type, Startup Fuel Type, Dual Fuel Capability, Time to Transition and MWs to Transition will be pre-loaded for you, and we will ask that you verify this information for accuracy. Due to the variable nature of Operational Restrictions and Dual Fuel Availability, these fields will not be pre-populated so that the user can enter current information.

5. **Are Energy Fuel Type and Startup Fuel Type required?**

   Yes, when making changes or entering new information on the Generator > Schedule > Schedule Detail screen, you must fill in these fields, and will receive an error message if you do not. Both Energy Fuel Type and Start Up Fuel Type require a Fuel Type and Sub Fuel type (for example Coal | Anthracite, or Gas | Natural Gas – see table below)

6. **How do I enter the Energy Fuel Type and the Startup Fuel Type using the User Interface?**

   The Energy Fuel Type and the Startup Fuel Type fields are found on the Generator > Schedule > Schedule Detail screen. Find these fields on the right column of information and click on the null | null to see a dropdown that lists the available fuel types (the table below lists for both Fuel Type and the Startup Fuel Type). Click on the applicable fuel type from the dropdown list (fuel types are presented as Fuel Type | Sub Fuel type) and then press the Submit button. These fields must be changed before 12:00 noon for the following day.

Coal	Gas	Petroleum	Nuclear	Hydro	Other	Co-Fire
Meta-Anthracite Anthracite Semi-Anthracite Bituminous 0.5 S Bituminous 1.0 S Bituminous 1.5 S Bituminous 2.0 S Bituminous 2.5 S Bituminous 3.0 S Bituminous 4.0 S Bituminous 5.0 S Bituminous 6.0 S Sub Bituminous 0.5 S Sub Bituminous 1.0 S Sub Bituminous 1.5 S	Natural Gas Propane Landfill Gas Butane Hydrogen Gasified Coal Refinery Gas Other	Distillate #1 #2 Oil Diesel Grade 1-D Diesel Grade 2-D Diesel Grade 4-D Diesel Grade S-M #4 Oil Light #4 Oil Heavy #5 Oil Light #5 Oil Heavy #6 Oil 0.5 S #6 Oil 1.0 S #6 Oil 2.0 S Crude Kero L Sulfur Jet 55 Kerosene Jet 54 Jet A / JP-5 Jet B / JP-4 Petroleum Coke Orimulsion Gasoline Other	Enriched U Other	Run of River Pumped Storage Other	Bagasse Battery Compressed Air Fuel Cell Nat Gas/Hy Fuel Cell Nat Gas Geothermal Municiple Waste Sludge Solar Tires Wind Wood Other	Nat Gas/#6 Oil 0.5 S Nat Gas/#6 Oil 1.0 S Nat Gas/#6 Oil 2.0 S Nat Gas/#2 Oil Nat Gas/Coal 0.5 S Nat Gas/Coal 1.0 S Nat Gas/Coal 1.5 S Nat Gas/Coal 2.0 S Nat Gas/Coal 2.5 S Nat Gas/Coal 3.0 S Nat Gas/Coal 4.0 S Nat Gas/Coal 5.0 S Nat Gas/Coal 6.0 S #2 Oil/Coal Other

Please note that there is a Last Updated Date/Time indicator above the left column of results that shows the last time data has been changed on this page for the specific unit. Times are shown in Eastern Prevailing Time (EPT).

7. How do I enter any Operational Restrictions my units may have?

Operational Restrictions are conditions that somehow limit the time a unit may run at full load.

The Operational Restrictions can be found on the Generator > Schedules > Schedule Restrictions Info screen. There are 3 pre-populated fields – Operational Restriction Type 1, Operational Restriction Type 2 and Operational Restriction Type 3. There is also Operational Restriction Other which is a free-form text field. The default for all of these fields is null. These items may be changed any time during the day for the same day or into the future.

To change the Operational Restriction Type 1/2/3, use the Schedule Restriction Search to choose the applicable Portfolio, Unit, Date and Schedule from the associated dropdowns. The Operational Restrictions can be found in the left column of the Results box. Begin with Operational Restriction Type 1 and click on the null to activate the dropdown list. Choose the correct response from the list – De-Mineralized Water, Emissions or Fuel. If needed, do the same for Operational Restriction 2 and 3. Press the Submit button when finished. If the applicable restriction is something other than De-Mineralized Water, Emissions or Fuel, go directly to Operational Restriction Other and click on the null to activate a free-form field where a response, not longer than 80 characters (any text), can be typed. Once again, click the Submit button to complete the change.

If a unit has Operational Restrictions, use the Hours at Full Load Remaining (Over the next 7 days) field to indicate the worst case number of hours (least) the unit can run at full load based on the various restrictions. The default value is 168 hours (the full 7 days) and should be decremented from that value for the restrictions (minimum value is 0). To change this value, click on the 168 and enter the new value. Press the Submit button to complete the change. It is the responsibility of the unit owner to maintain this value, PJM will not calculate these values.

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8. How do I indicate that my unit is Dual Fuel Capable?

Dual Fuel Capability is an indication of whether a unit can switch between two (or more) different fuels.

The Dual Fuel Capability can be found on the Generator > Unit > Unit Detail screen – on the left column, approximately halfway down. The default value is No.

In the Unit Detail Search, choose the applicable Portfolio, Unit and Date. To change the default to Yes, click on the No to activate the dropdown and then click on Yes and press the Submit button. This field must be changed before 12:00 noon for the following day.

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9. How do I indicate my Dual Fuel Availability, Time to Transition and MWs to Transition?

Dual Fuel Availability indicates whether alternate fuels are available if the unit is close to expending the current fuel and wishes to switch to an alternate. Time to Transition is the time in minutes the unit needs to make that switch. MWs to Transition is the MW output the unit must operate at to facilitate the fuel switch.

The Dual Fuel Availability, Time to Transition and MWs to Transition are found on the Generator > Schedules > Schedule Restrictions Info screen. The default for Dual Fuel Availability is No. Time to Transition and MWs to Transition both default to null. These items may be changed any time during the day for the same day or into the future. Dual Fuel Availability can only be set if the Dual Fuel Capability on the Generator > Unit > Unit Detail screen has been set to “Yes”.

Using the Schedule Restriction Search, choose the applicable Portfolio, Unit, Date and Schedule from the associated dropdowns. The Dual Fuel Availability, Time to Transition and MWs to Transition can be found in the right column of the Results box. To change the Dual Fuel Availability, click on the No, and then choose the appropriate response from the dropdown. To change the Time to Transition and MWs to transition, click on the null and then enter the appropriate minutes or MWs into the enterable box. The Time to Transition can be set from 0 to 1440 minutes. MWs to Transition can only be set if Dual Fuel Availability was set to “Yes” and must have a value greater or equal to 0. The maximum value is 99999 and can contain a decimal. Press the Submit button when changes have been completed.

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10. If problems arise who should I contact?

Please contact the Member Support Hotline at (610) 666-8980 or (866) 400-8980 and they will transfer your question or issue to the appropriate organization, and ensure you receive a reply.