



Gas Unit Commitment Coordination OC – Special Committee



Generation Owner (GO) Data Responsibilities

- Ensure all data in eMKT is accurate for next **X days (up to 7 days)**
 - Specific emphasis on notification times (if hourly changes), minimum run times, unit status and unit limits (emergency and economic min & max), and unit schedule
 - Specific emphasis on forward data during hot/cold weather alerts
 - Any data updates should be made in eMKT (not verbally)
- Verbal notification if previous unit commitments (either verbal or DA) can not be met or unit trips/problems in real time
 - If unit can not meet commitment or becomes unavailable, must change status to *Unavailable* in eMKT and submit eDART ticket
- Only data in eMKT will be used by PJM for unit commitment decisions



- Evaluate need for > 32 hour units with long lead tool
- Clearly communicate need for units (outside Day-Ahead (DA) Market) to GO
 - “Be prepared to be following dispatch by xx:xx on MM/DD on Schedule XXXX”
 - General Run times given to unit for gas purchase decisions
 - General Run times given to DA Market operator for inclusion in DA Schedule
- Communicate commitment of long lead generation to PJM DA market operators
- PJM Dispatchers need a way to know if and when notification times are changed
 - Will require application development at PJM

Dual Fuel Capability

(Yes/No) – Indication whether or not the unit can switch its operation between two (or more) different fuels. Can be defined at the unit level (Default = No)

Dual Fuel Availability

(Yes/No) – Can be defined at the schedule level (Default = No)

- If Yes, identify schedule to be used for fuel swap

Time to Transition

(Minutes) – Amount of time in minutes to transition from one fuel type to another (Default = 0)

MW output during Fuel Transition

– MW output where unit must operate to facilitate fuel transition (Default = 0)

Fuel Policy: Provide PJM / MMU with fuel policy for the units.

Operational Restrictions (0 - ?)

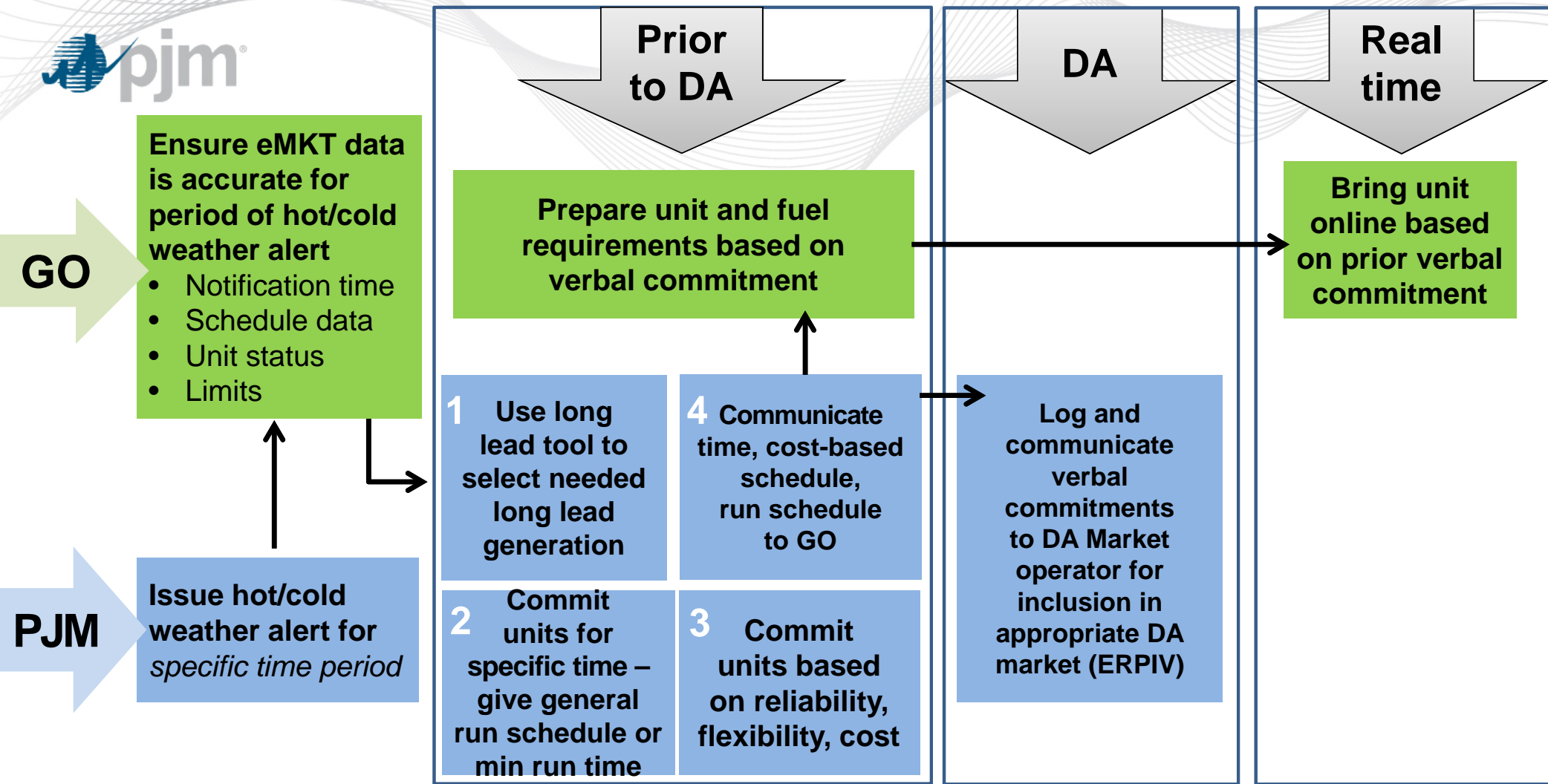
– Indication of number of operational restrictions the unit may have. Can be defined at the unit level (Default = 0)

Operational Restriction Type

– Dropdown list of the type of restriction (s) (e.g. emissions, demineralization of water process). Can be defined at the unit level (Default = 0)

Deterioration Rate(MWs & Time Frame)

– Rate at which the operational restriction (s) is impacting the output of the unit in terms of MW and timeframe (e.g. hr, day, week, month)





Intraday Cost Based Schedules Updates

Resources with NO
Day Ahead
Commitments and
not picked up in the
Reliability
Assessment &
Commitment Run

Intraday Updatable

- ✓ Incremental Offers for Energy (\$/MWh)
- ✓ Cost Based Start-up cost (\$/start)
- ✓ Cost Based No-load cost (\$/hr)

** Price-based Start-up cost and No-load costs are not updatable

Frequency - TBD
Deadlines - TBD

Resources
Extended Beyond
DA Scheduled
Commitment

Date	Meeting	Milestone
9/16/14	Gas Unit Commitment Collaboration (GUCC)	Review pre-winter 2014/2015 scope, design components, and solutions
9/18/14	MRC	“First Read” of GUCC winter 2014/2015 scope
Between 9/18 & 10/7	GUCC Conference Call <i>(Proposed)</i>	Review draft manual and tariff language for GUCC winter 2014/2015 scope
10/7/14	OC	First read of winter 2014/2015 GUCC scope, including manual and tariff language
10/20/14	OC (GUCC)	Vote on winter 2014/2015 GUCC scope
10/30/14	MRC / MC	Vote on winter 2014/2015 GUCC scope
10/31/14		FERC Filing anticipated January 1, 2015 effective date
11/4/14	OC	Continue working remaining GUCC scope