

Gen Issue Task Force

7/30/01

Start-Up Cost Guarantee

- **Issue: Start-Up cost guarantee when starting before DAM scheduled start via a HAM bid.**
- **Currently a unit is eligible for a Day-Ahead start-up payment each hour that SCUC schedules the unit and the unit is not supporting bilateral contracts and the unit was not scheduled the previous hour by SCUC, BME, or SRE. (Billing & Accounting Manual section 4.9.1)**

Start-Up Cost Guarantee

- **Periodically units will see their DAM commitment which would include a start-up guarantee and then bid into the HAM to get themselves scheduled for hours prior to their scheduled Day-Ahead start.**
- **Since the unit is already scheduled and running when they get to their DAM start hour, they are only guaranteed their HAM start-up cost, which is often set to \$0.**

Start-Up Cost Guarantee

- ✦ **ISO proposes that a unit should be eligible for a Day-Ahead start-up cost guarantee each hour that SCUC schedules the unit to start.**
- ✦ **Additionally, if the unit is scheduled to start by BME it should be eligible for a Real-Time start-up cost guarantee.**
- ✦ **Will allow units to bid DAM startup costs that are indicative of costs to start generation equipment, and obviate the need to build in recovery for energy produced during ramp-up to schedule.**

BPCG While Serving Bilateral Contracts

- ✦ **Issue: ISO billing rules specify that any generator serving bilateral contracts are not eligible for start-up cost guarantee, and scheduled MWs required to support the bilateral are not eligible for Min Gen cost guarantee.**

SCUC Unit Commitment Parameters

- ✦ **GITF has made various suggestions on how to allow MP's to get SCUC to honor Minimum Run/Down times past midnight.**
- ✦ **Proposals include:**
 - *Move commitment Day to 4 am to 4am*
 - *Allow selective physical withholding*
 - *One week forward market*
 - *Hourly biddable start-up costs*
- ✦ **Of the various proposals, only hourly biddable startup costs did not seem to involve extending or shifting the commitment and/or optimization window.**
- ✦ **Could bid min gen costs be used to achieve same result as hourly biddable startup?**

Units Returning from a Trip after Missing a BME Cycle

- ✦ **NYISO has incorporated GITF's comments into the Technical Bulletin that was reviewed at the last meeting.**
- ✦ **Technical Bulletin #72 has been reviewed by the Legal Department, and is posted to the Website for the mandatory five day review process.**

Notification Requirements for DMNC Testing

- **The 5 day notification time is consistent with A-1 notification requirements for transmission outages.**
- **The 5 day notification only applies to generators whose capacity is greater than 100 MW.**
- **If a greater than 100MW generator is scheduled within 100 MW of its current DMNC in the DAM, then the five day notification requirement is waived.**

Notification Requirements for DMNC Testing

- ✚ **When the unit is scheduled in the DAM within 100 MW's of its current DMNC, it has until hour 14:00 of the day prior to the energy day to notify the ISO Scheduling Department of the DMNC test.**
- ✚ **In-day scheduling of DMNC tests is not of interest to ISO because:**
 - *There is no ability to preclude an MP from altering HAM bids in forward hours after a unit has been taken OOM to start its test.*
 - *Inadequate time to perform reliability assessment of system conditions.*

OOM Info & Monitoring

✚ Information template proposed by GITF to be required for each OOM request:

- *If OOM is required due to a transmission constraint:*
 - ♦ *What constraint is the cause*
 - ♦ *Current rating of the constraint*
 - ♦ *Current loading of the constraint*
- *If OOM is required for load pocket reasons:*
 - ♦ *How much load in the pocket*
 - ♦ *How much capacity available in the pocket*
 - ♦ *Transfer capability into the pocket*
 - ♦ *Current loading of the transfer capability into the pocket*
- *If OOM is required for voltage control:*
 - ♦ *What bus is the cause*
 - ♦ *What the voltage limit is for the bus*
 - ♦ *What the current voltage is for the bus*

OOM Info & Monitoring

✚ New Reporting Requirements for OOM Requests:

- *OOM requests must identify the specific transmission constraints by line identifier*
- *OOM generation requests must identify NOx 24 hour averaging requirements.*

OOM Info & Monitoring

✦ **Actions being taken by the ISO regarding OOM:**

- *OOM generation requests must not be greater than incremental 50 MW blocks.*
- *OOM generation requests must no longer be used to secure the ISO secured system in real-time dispatch and operations. This is the portion of the NYS transmission system that is secured in the DAM and HAM, and if transmission constraints exist LBMP congestion must be represented.*
- *A new transmission interface representing the NYC 345/138 kV load pocket capability will be used to secure transmission constraints on the NYC 345/138 kV transmission.*

OOM Info & Monitoring

↘ These actions will result in:

- *Ensure the consistent evaluation of transmission congestion in the DAM, HAM, and RT scheduling system.*
- *NYC intra-zonal congestion being appropriately represented in the Day-Ahead and Hour-Ahead scheduling systems.*
- *Correct the existing deficiency in SCD, and ensure NYC intra-zonal congestion is appropriately represented in the real-time scheduling system.*

Response Rate into Under- Generation Penalty Calc.

- ✦ **Elimination of accumulating basepoints in conjunction with the lack of a lower limit on energy response rate would allow a unit to not respond to basepoints without fear of penalties.**
- ✦ **Tolerance applied to the Penalty Limit for Persistent Undergeneration changes from 3% of UOL to the lesser of 3% of UOL or 3 minutes times the stated response rate.**

Discussion of Group GT Modeling

- ✦ **Apply grouped metered values to scheduled individual units in the group.**
- ✦ **Development of a rule set to determine how to allocate “left over” energy between additional units in the group versus those already seen as running.**
- ✦ **Billing settlements would then be applied to the individual units in the group.**

On Dispatch & Purpa Fix

- ✚ If a PURPA units bids On-Dispatch, the PURPA fix (modification of HAM bid parameters) will not be applied.

Ability to Report derates/outages Directly to ISO

➤ Proposal being formulated for presentation to SOAS

- *Minimum size requirement (300 MW's being contemplated) for direct ringdown between generator operator and ISO control room.*
- *Smaller units would be required to have a dedicated phone #, but not a hardwire connection.*
- *Requires nomination of one 24 hour per day contact per generator.*
- *Generator operator is responsible for reporting derate/outage information to TO.*