Real-Time Scheduling

Settlement Overview

New Acronyms

- **SMD 2.0: Standard Market Design 2.0**

- **RTS: Real Time Scheduling, which includes the following:**

  - *RTC: Real Time Commitment, which schedules over 15-min. intervals.*

  - *RTD: Real Time Dispatch, which replaces SCD.*

  - *RTD-CAM: Real Time Dispatch – Corrective Action Mode*

Generator Settlement: Energy

- **Three generator classifications**
    - *On-dispatch*
    - *Self-Scheduled*
    - *Self-Scheduled Flex*
- **No real-time price chasing for off-dispatch units**
    - *Anticipated benefits were not realized*
    - *May submit MW schedules as a self-scheduled unit*
        - Can vary schedule ever quarter-hour in anticipation of price changes
        - Schedule for HB xx must be submitted by HB xx – 60 min.
    - *Economic Performance Limit (EPL) calculation eliminated*
- **Penalty for persistent undergeneration remains**

Generators: BPCG

- **On-Dispatch units continue to be eligible for real-time BPCG payments**

- **Self-Scheduled will not be eligible for BPCG payments**
    - *If Self-Scheduled for any hour they will not be eligible the entire day*
    - *Self-Scheduled Flex will be eligible for incremental cost above min; this should never occur.*

- **Units will not be eligible for BPCG payments if ramp rate constrained down *or up***

Generators: Reserves

➢ **Full two-settlement: reserve services will be scheduled and settled nominally on a 5-minute basis**

➢ **Marginal LOC incorporated into clearing price; therefore, separate LOC payment eliminated**

➢ **Reduction in availability payment based on daily performance will be removed**

➢ **Requirement to purchase replacement energy at LBMP for failure during a reserve pickup will be removed**

Generators: Reserves during RTD-CAM

➢ **Reserve requirements continue to be calculated during activation**

➢ **Reserve prices will continue to be produced**

➢ **Reserve demand curves continue to be applicable**

➢ **Reserve Pickups:**

  ▪ *Units dispatched can set LBMP price*

  ▪ *Units will buy out of their DAM obligation based on schedule*

  ▪ *MWs produced paid at LBMP*

Generators: Regulation

- **Full two-settlement: regulation service will be scheduled and settled nominally on a 5-minute basis**

- **Marginal LOC incorporated into clearing price**

Transactions

- ➢ **Need to accommodate new settlement rules for non-competitive external proxies**

- ➢ **No change for BPCG payments on imports**

- ➢ **RTC_{15} determines the price at an constrained external proxy bus**

- ➢ **External transactions cut by the NYISO will be protected relative to their day-ahead positions**