Alternate "Special Pricing" During SCR/EDRP Events

Interim special pricing concept until SMD2 is up and running

Alternative to SCD Changes

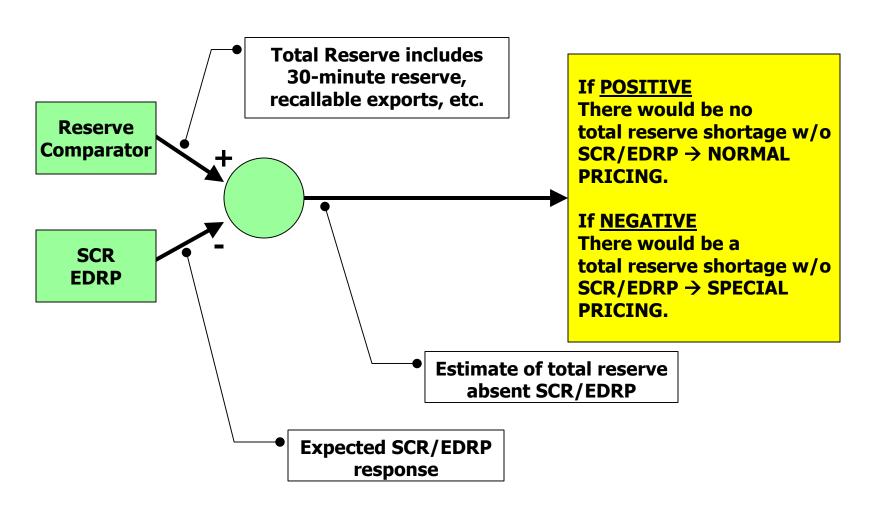
Original Concept -- SCD:

- Add back expected SCR/EDRP load reduction
- Create SCR/EDRP energy resources
- Use SCD and hybrid-pricing rules to determine schedules for pricing
- July 15 go-live date (high risk)

Alternative Concept

- Monitor total reserve during SCR/EDRP events
- Invoke special pricing rules if there would be a shortage of total reserve absent the SCR/EDRP
- Does NOT require modification of SCD
- May 1 go-live date (lower risk)

Detection Concept



SCR/EDRP Pricing

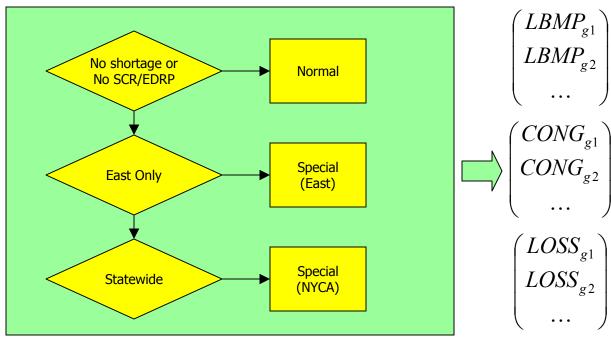
- Mimic the 10-minute reserve shortage pricing rules, but use the highest offer price of SCR/EDRP providers instead of \$1000.
 - SCR/EDRP pricing will be applied statewide since total reserve is a statewide requirement
 - 10-Minute Reserve Shortage pricing may be applied only east of central-east if there is a shortage of 10-minute reserve in the east, but not statewide

LBMPC

- o No_Shortage
- o SCR/EDRP
- o East_Reserve_Shortage
- o NYCA_Reserve_Shortage

$$\lambda_s$$
 $(\lambda_{c1} \quad \lambda_{c2} \quad \dots)$
 PF_{g1}
 PF_{g2}
 \dots

$$GF_{g1,c1}$$
 $GF_{g1,c2}$... $GF_{g2,c1}$ $GF_{g2,c2}$



SCR/EDRP

- SCR/EDRP called anywhere (zones A-K)
- If a persistent shortage of total reserve is detected
 - Set NYC (zone J) price to SCR/EDRP offer price
 - Recalculate price of remaining load zones and buses in the NYCA. New price reflects variations about the zone J price due to losses
 - Do NOT lower any price

Eastern 10-Minute Reserve Shortage

- If a persistent shortage of eastern 10minute reserve is detected
 - Set NYC (zone J) price to \$1000
 - Recalculate price of remaining load zones and buses in the east. New price reflects variations about the zone J price due to losses
 - Do NOT lower any eastern price
 - Retain original prices in the west (load zones A-E)

NYCA 10-Minute Reserve Shortage

- If a persistent shortage of NYCA 10-minute reserve is detected
 - Set NYC (zone J) price to \$1000
 - Recalculate price of remaining load zones and buses in the NYCA. New price reflects variations about the zone J price due to losses
 - Do NOT lower any price