



DR capacity compliance for partial hours

CSTF

September 24, 2013



Example: Measure compliance for partial hour

Options	Dispatch Start	Dispatch End	PLC (MW)	FSL (MW)	Capacity Commitment (MW)	FSL requirement HE14 (MW)	FSL requirement HE15 (MW)
Option 1 (keep same as today)	13:40	14:40	5	4	1	n/a	n/a
Option 2 (measure on prorata basis if dispatched > 1/2 of hour)	13:40	14:40	5	4	1	n/a (dispatched for < half of hour)	4.33
Option 3 (Measure on prorata basis)	13:40	14:40	5	4	1	4.67	4.33

Option 2 – load must be below 4.33 MW in HE 14 to comply

Option 3 – load must be below 4.67 MW in HE14 and below 4.33 in HE15 to comply



Appendix

- Capacity compliance measured for whole “wall clock” hours today
 - DR load data requirement – hourly load data
- Example: DR dispatched from 13:40 to 15:40
 - Capacity compliance only based on 14 to 15 or 1 full wall clock hour even through resource dispatched for 2 elapsed hours.

- Proposed Min run time reduced from 2 hours to 1 hour to allow more efficient dispatch
 - Change in weather (rain)
 - Recovery quicker than expected
- Related to lead time: 2 hour lead time plus 2 hour min run time = 4 hour future commitment

- 1) CSP required to submit all compliance data but PJM will not assess penalties
 - Keep compliance process same as today.
- 2) Measure compliance for all hours when DR was dispatched for more than $\frac{1}{2}$ of the hour (time based prorate)
- 3) Measure compliance for all hours when DR was dispatched (time based prorate)