



# FERC Order 825 – Sub-Hourly Settlements

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# Real-Time Generator Scaling and Balancing

Interval Number	SE MW	Total DA MW	RT 5 MIN Allocation	5 Min Bal Deviation	DA LMP (\$/MWh)	RT LMP (\$/MWh)	BAL Credit	5 Min Settlement Balancing Credit
1	165	185	160.5649203	-24.43507973	50	37	(\$904.10)	(\$75.34)
2	178	185	173.2154897	-11.78451025	50	39	(\$459.60)	(\$38.30)
3	189	185	183.9198178	-1.080182232	50	42	(\$45.37)	(\$3.78)
4	185	185	180.0273349	-4.972665148	50	43	(\$213.82)	(\$17.82)
5	186	185	181.0004556	-3.999544419	50	50	(\$199.98)	(\$16.66)
6	175	185	170.2961276	-14.70387244	50	45	(\$661.67)	(\$55.14)
7	180	185	175.1617312	-9.838268793	50	50	(\$491.91)	(\$40.99)
8	183	185	178.0810934	-6.918906606	50	43	(\$297.51)	(\$24.79)
9	190	185	184.8929385	-0.107061503	50	42	(\$4.50)	(\$0.37)
10	190	185	184.8929385	-0.107061503	50	49	(\$5.25)	(\$0.44)
11	186	185	181.0004556	-3.999544419	50	47	(\$187.98)	(\$15.66)
12	188	185	182.946697	-2.053302961	50	50	(\$102.67)	(\$8.56)
	182.9166667		178			44.75		(\$297.86)

Power Meter MW = 178 MWh

Scaling Factor = PM MWh / SE MW avg = 178 / 182.9166667 = 0.97312

For Interval 1:

RT 5 MIN Allocation = SE MW \* Scaling Factor = 165 \* 0.97312 = 160.5649203 MW

5 Min Settlement Balancing Credit = (5 Min Bal Deviation \* RT LMP) / 12 = (-24.43507973 \* \$37) / 12 = -\$75.34

Total Balancing Credit =  $\sum$  5 Min Settlement Balancing Credit Intervals 1 - 12 = -\$297.86

Status Quo Balancing Credit = (RT MWh - DA MWh) \* RT LMP = (178 - 185) \* \$44.75 = -\$312.25

$$(5 \text{ Min Bal Deviation} * \text{RT LMP}) / 12$$

- FERC Final Rule – Docket RM15-24-000
- Section III.A.5.b – Load, Commission Determination
  - No change to how load is metered
  - Settlement interval changes focused on supply resources and not load
  - No requirement to change settlement interval for load

- Spot Market Energy
- Implicit Congestion and Losses
- EDC data submittals into InSchedule
- Imbalance between generation and load
- Power Meter changes to accept 5 minute meter data