LMP Follow-Up

October 12, 2022

Tyler Butikofer

Staff Engineer

Maximum LMP by Area ($/MWh)

Area	LMP Load Weighted	LMP Gen Weighted	LMP Simple Average	Count >$100	Count >$250
AESO	303	299	299	1	1
IPFE	88	396	89	1	1
IPMV	179	108	167	146	0
CFE	487	486	487	6	6
CIPB	90	441	89	8	2
CIPV	106	83	86	101	0
LDWP	92	85	141	61	0
PACW	59	204	59	3	0
WAUW	85	19,930	93	95	41
PSCO	285	287	284	17	6
WACM	215	165	202	12	0
EPE	78	927	204	1,463	1,463
TH_PV	64	194	59	4	0

What is happing in WAUW?

- No high LMP when looking at generator LMPs in output

- Used Analytical Tool for a single hour and nothing with large LMP contributions for WAUW

- Caused by very little generation and negative load at time because of the DC intertie, Miles City

EPE High LMP

- Seems to be caused by congestion when looking at the Generator LMPs

- Occurring throughout year, but especially in summer when solar is going off-line

- Is caused by the EPE balance nomogram

  - Jin suggested making the penalty $20 instead of $1,000

LMP Conclusion

- Jin said that LMP, generator-weighted, isn't a good indication of actual LMP

- High LMPs for generator-weighted can be caused by the balance nomograms and negative generation

Contact:

Tyler Butikofer

tbutikofer@wecc.org