

Market Highlights¹ (October 3–October 16)

- The average DLAP price in the integrated forward market was \$37.18. The maximum and minimum DLAP prices were \$87.02 and \$7.63, respectively. The maximum and minimum PNode prices in the integrated forward market were \$750.00 and -\$270.64 respectively.
- The top two interties congested in the integrated forward market were MALIN500 and NOB_ITC. Congestion rents in these two weeks totaled \$15,063,237.07.
- The average day-ahead ancillary service prices were between \$0.00 and \$41.68.
- Approximately 95.17 percent of the RUC requirements were met from RA units.
- The average real-time FMM DLAP price was \$31.87, with a maximum price of \$270.70 and a minimum price of -\$9.37. The maximum and minimum PNode prices in the FMM were \$755.67 and -\$150.00, respectively.
- Out of the total 1,344 FMM intervals, 1 intervals saw DLAP prices above \$250, and 0 intervals saw DLAP prices below -\$150.
- Out of the total 1,344 FMM intervals, 11 intervals saw ELAP prices above \$250 and 0 intervals saw ELAP prices below -\$150.
- The average real-time FMM ELAP price was \$30.31, with a maximum price of \$979.37 and a minimum price of -\$12.56.
- The average real-time RTD DLAP price was \$27.28, with a maximum price of \$261.43 and a minimum price of -\$16.79. The maximum and minimum PNode prices in the RTD were \$757.55 and -\$156.01, respectively.
- Out of the total 4,032 RTD intervals, 3 intervals saw DLAP prices above \$250 and 0 interval saw DLAP prices below -\$150.
- Out of the total 4,032 RTD intervals, 18 intervals saw ELAP prices above \$250 and 4 intervals saw ELAP prices below -\$150. The average real-time RTD ELAP price was \$27.47, with a maximum price of \$1,015.79 and a minimum price of -\$153.22.
- Root cause for daily high price events are noted in Tables 1 and 2.

Table 1 FMM Intervals	
Trade Date	Root Cause
FMM Oct 16 HE 19	Load changes and change in renewable forecast.

¹ A description of the metrics presented in this report is available at <http://www.caiso.com/Documents/WeeklyPerformanceReportMetricsKey.pdf>



Table 2 RTD Intervals	
Trade Date	Root Cause
RTD Oct 3 HE 17; Oct 8 HE 17	Load changes and renewable deviation.

Figure 1: Day-Ahead (IFM) LAP LMP and Cleared Bid-In Demand

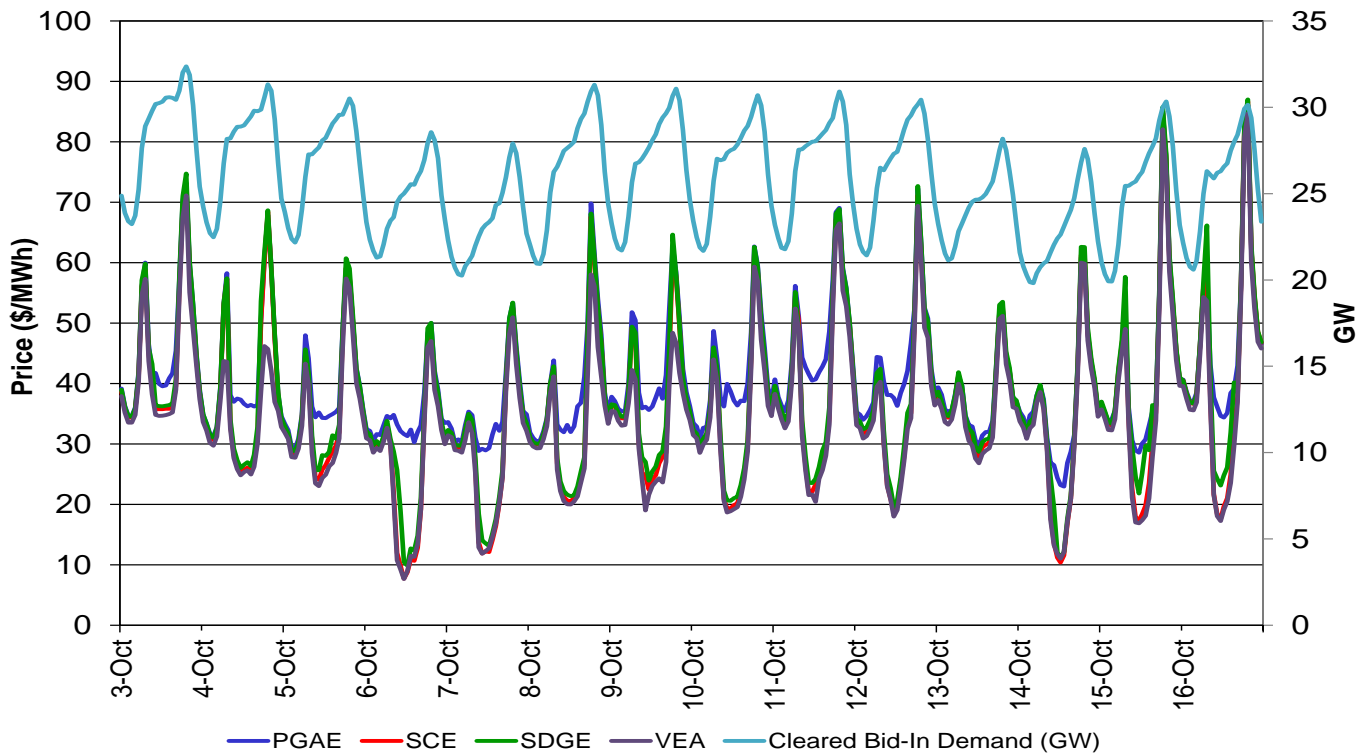
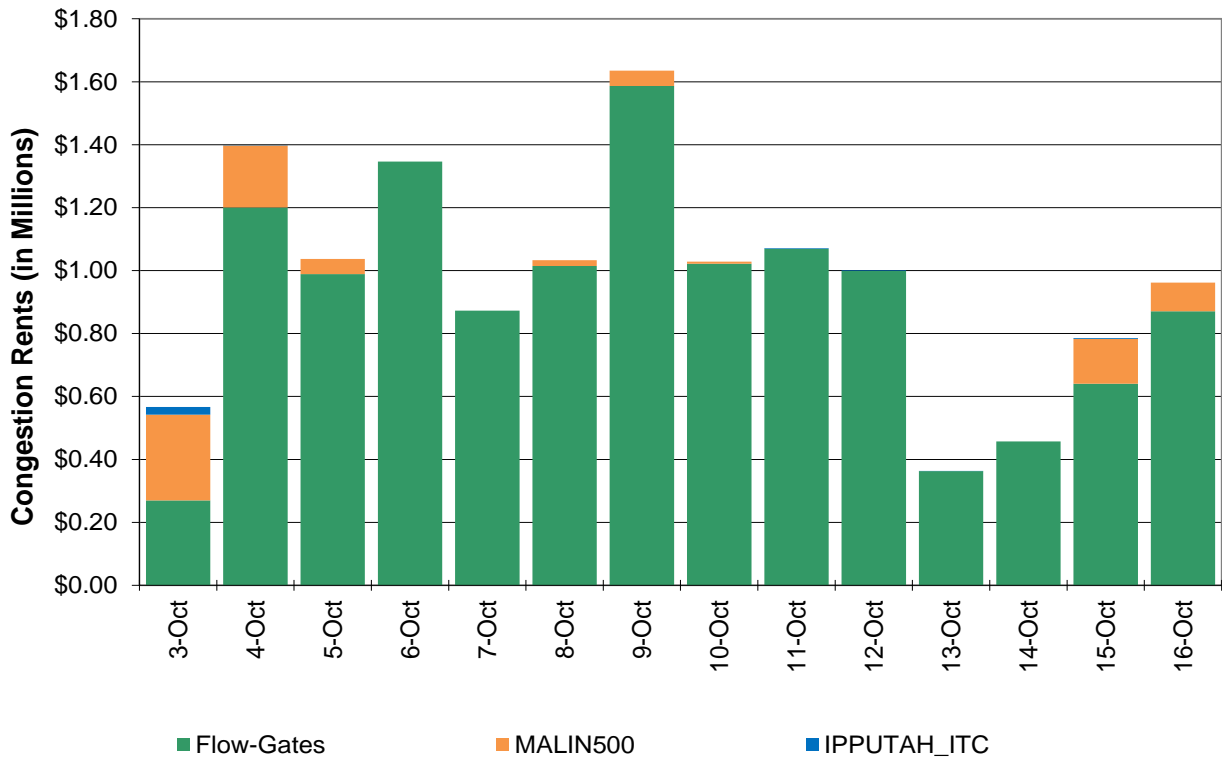


Figure 2: Day-Ahead Congestion Rents

Figure 3: Day-Ahead Congestion Rents for Flow-Based Constraints

Transmission Constraint	Congestion Rent
OMS_6451207_TRACY-LOSBANOS	\$ 4,183,128.76
30879_HENTAP1_230_30885_MUSTANGS_230_BR_1_1	\$ 819,995.76
30915_MORROBAY_230_30916_SOLARSS_230_BR_1_1	\$ 494,719.79
7820_TL_230S_OVERLOAD_NG	\$ 329,843.52
34519_LPNJCTSS_115_34429_GWF_HEP_115_BR_1_1	\$ 242,097.81
34548_KETTLEMN_70.0_34552_GATES_70.0_BR_1_1	\$ 170,803.16
24016_BARRE_230_24154_VILLA PK_230_BR_1_1	\$ 98,205.82
32214_RIO OSO_115_32225_BRNSWKT1_115_BR_1_1	\$ 89,979.76
7820_TL23040_IV_SPS_NG	\$ 87,965.03
32212_E.NICOLS_115_32214_RIO OSO_115_BR_1_1	\$ 80,949.34
34860_TAFT_70.0_34943_Q356TAP_70.0_BR_1_1	\$ 80,871.43
24016_BARRE_230_25201_LEWIS_230_BR_1_1	\$ 66,221.78
31214_GEYERS56_115_31220_EGLE RCK_115_BR_1_1	\$ 55,095.60
30114_DELEVAN_230_30450_CORTINA_230_BR_1_1	\$ 54,507.26
99254_J.HINDS2_230_24806_MIRAGE_230_BR_1_1	\$ 48,012.33
33690_ROGH-RDY_60.0_33696_COG.NTNL_60.0_BR_1_1	\$ 29,845.01
34469_GFFNJCT_70.0_34470_GIFFEN_70.0_BR_1_1	\$ 25,955.89
34418_KINGSBRG_115_34428_CONTADNA_115_BR_1_1	\$ 23,554.79
34430_HENRETTA_115_34519_LPNJCTSS_115_BR_1_1	\$ 21,239.48

Figure 3: Day-Ahead Congestion Rents for Flow-Based Constraints (contin.)

Transmission Constraint	Congestion Rent
34112_EXCHEQUR_115_34116_LE GRAND_115_BR_1_1	\$ 20,744.06
34116_LE GRAND_115_34134_WILSONAB_115_BR_1_1	\$ 17,356.54
OMS_5548842_HUMB_TRNTY	\$ 15,224.53
34121_SHARON T_115_34128_OAKH JCT_115_BR_1_1	\$ 12,525.51
22256_ESCNDIDO_69.0_22724_SANMRCOS_69.0_BR_1_1	\$ 12,479.31
30875_MC CALL_230_34370_MC CALL_115_XF_1_P	\$ 11,123.07
34778_FELLOWS_115_34800_MORGAN_115_BR_1_1	\$ 10,239.29
30881_HENRIETA_230_34430_HENRETTA_115_XF_3	\$ 5,388.80
33541_AEC_TP1_115_33540_TESLA_115_BR_1_1	\$ 4,596.06
34887_TAP SKRN_70.0_34882_SAN EMDO_70.0_BR_1_1	\$ 4,507.06
31604_COTTONWD_60.0_31611_RAWSON_60.0_BR_2_1	\$ 3,290.30
34460_GUERNSEY_70.0_34462_GUR3TPT_70.0_BR_1_1	\$ 3,089.16
30763_Q0577SS_230_30765_LOSBANOS_230_BR_1_1	\$ 1,758.07
33530_KASSONJ2_115_33548_TRACY_115_BR_1_1	\$ 1,128.85
34540_HENRITTA_70.0_30881_HENRIETA_230_XF_4	\$ 1,125.82
31556_TRINITY_60.0_31555_MSS TAP2_60.0_BR_1_1	\$ 1,026.19
38136_MARBLE_69.0_64281_MARBLSP_60.0_XF_1	\$ 908.44
30055_GATES1_500_30900_GATES_230_XF_11_S	\$ 729.96
34544_TLRE LKE_70.0_34580_BDGR HLL_70.0_BR_1_1	\$ 549.21
31110_BRDGVILLE_60.0_31112_FRUITLND_60.0_BR_1_1	\$ 441.56
32380_WEMR SWS_60.0_32382_FORST HL_60.0_BR_1_1	\$ 335.88
31640_TRES VIS_60.0_31644_BIGGSJCT_60.0_BR_1_1	\$ 310.36
7690-KRAMER-INYOK_EXP_NG	\$ 115.13
34582_ARCO_70.0_34942_LST HLLS_70.0_BR_1_1	\$ 23.51
Totals	\$ 7,132,009.00

Figure 4: Day-Ahead (IFM) Average A/S Price

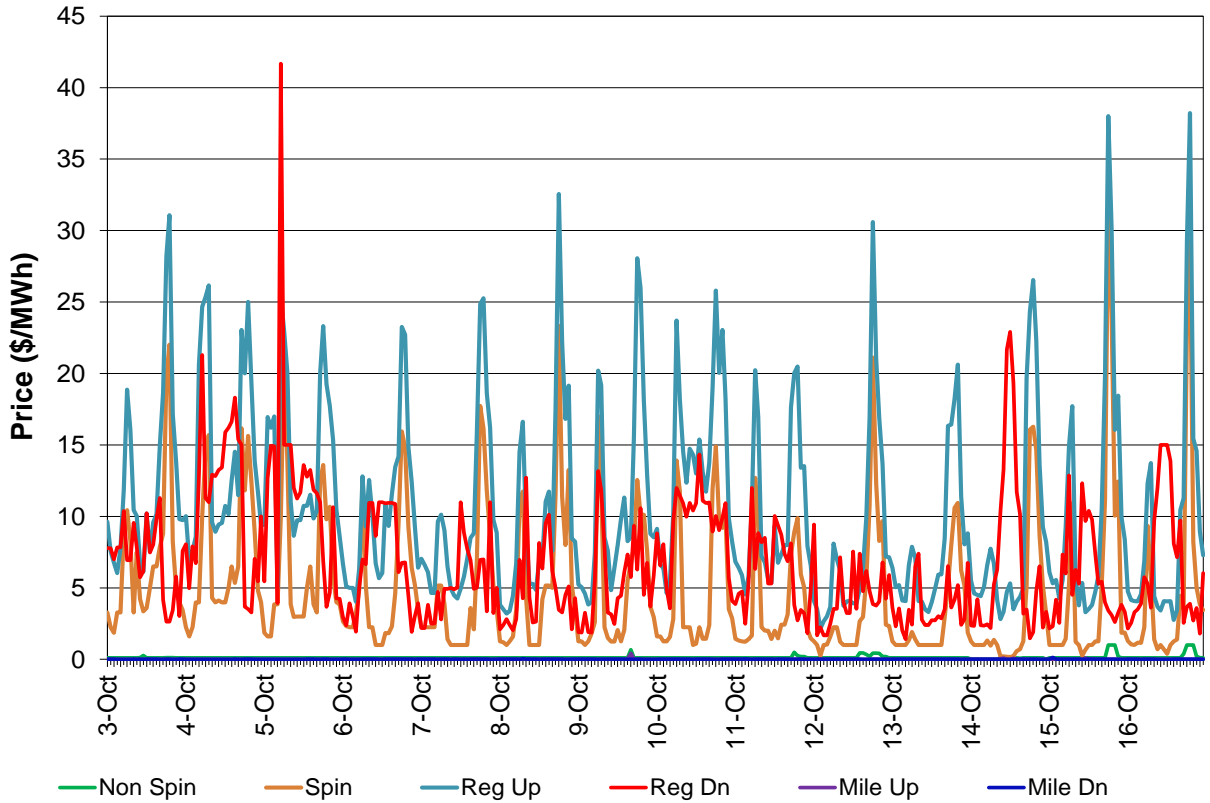


Figure 5: Day-Ahead Average RUC Price

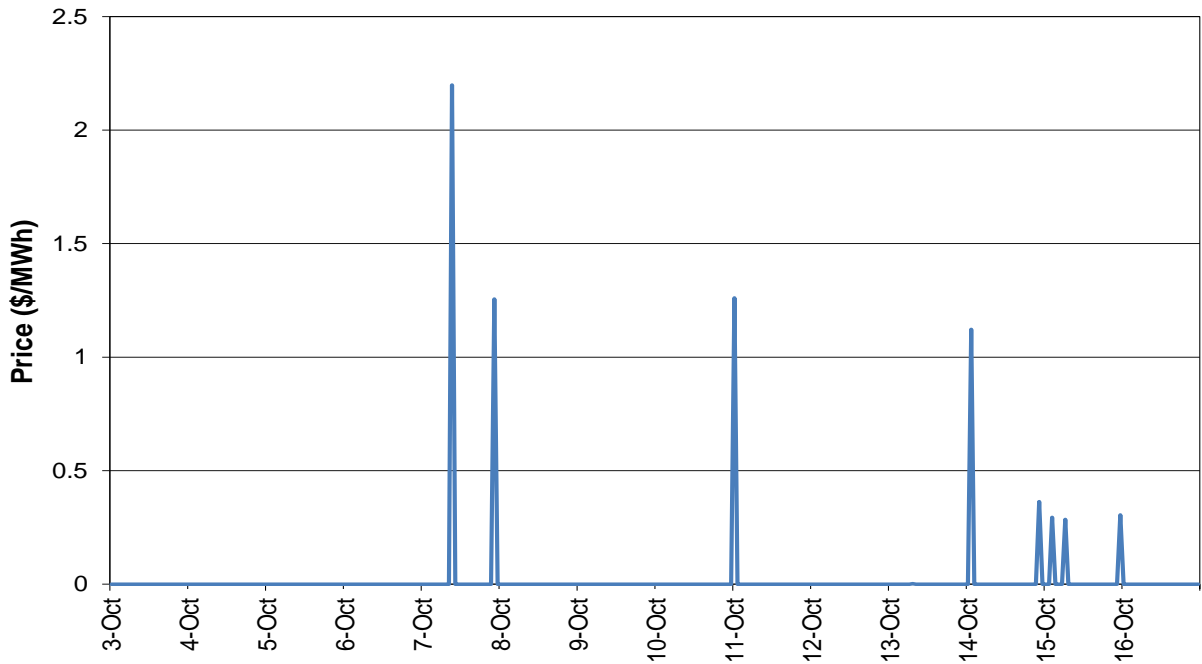




Figure 6: Real-Time FMM Average A/S Price

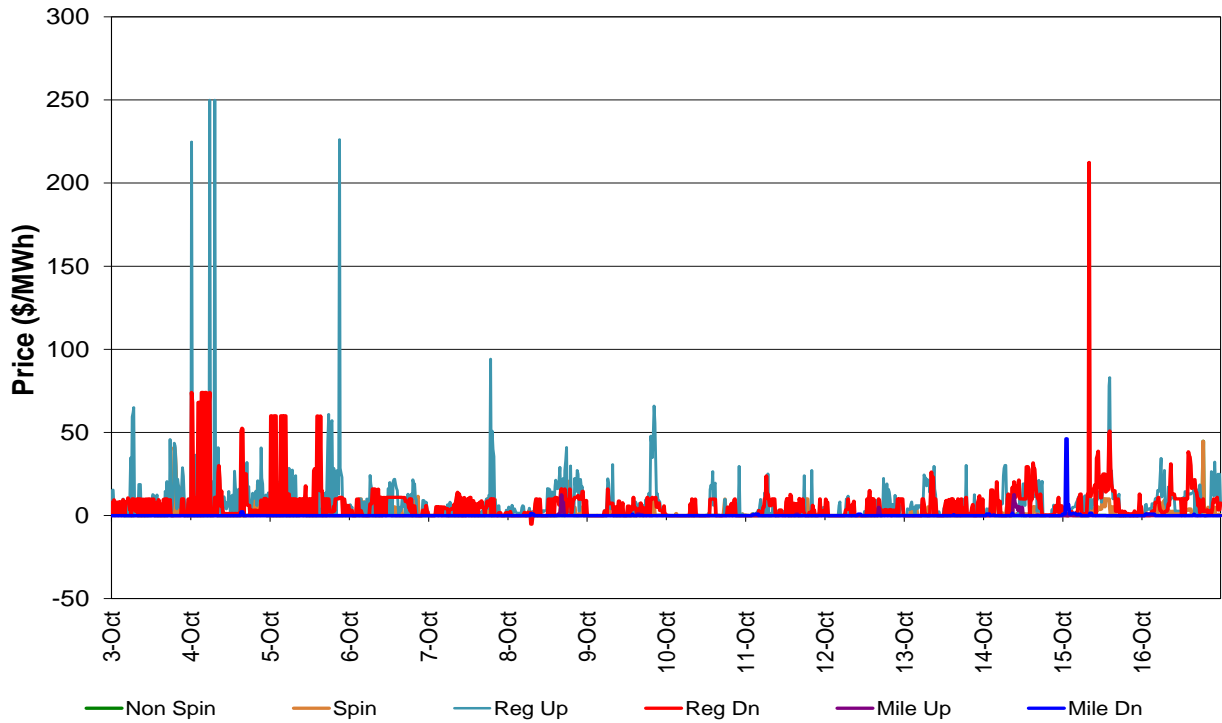


Figure 7: Real-Time FMM DLAP LMP

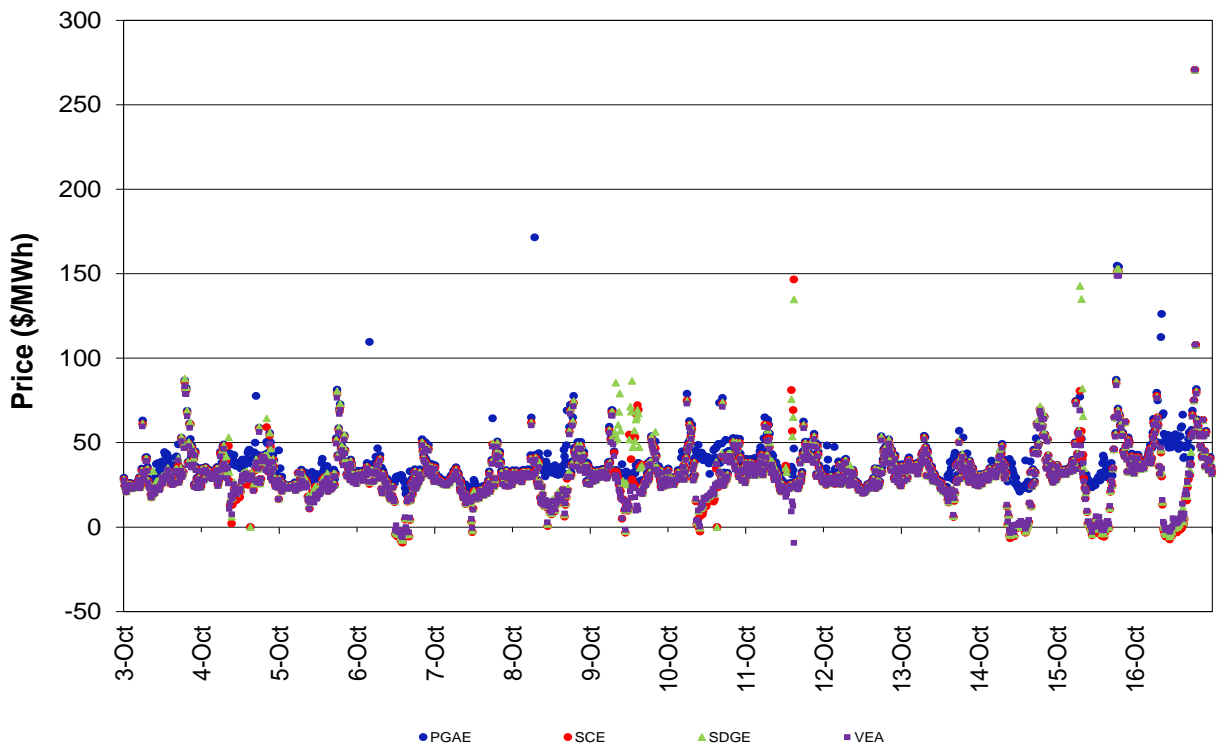


Figure 8: Real-Time RTD DLAP LMP

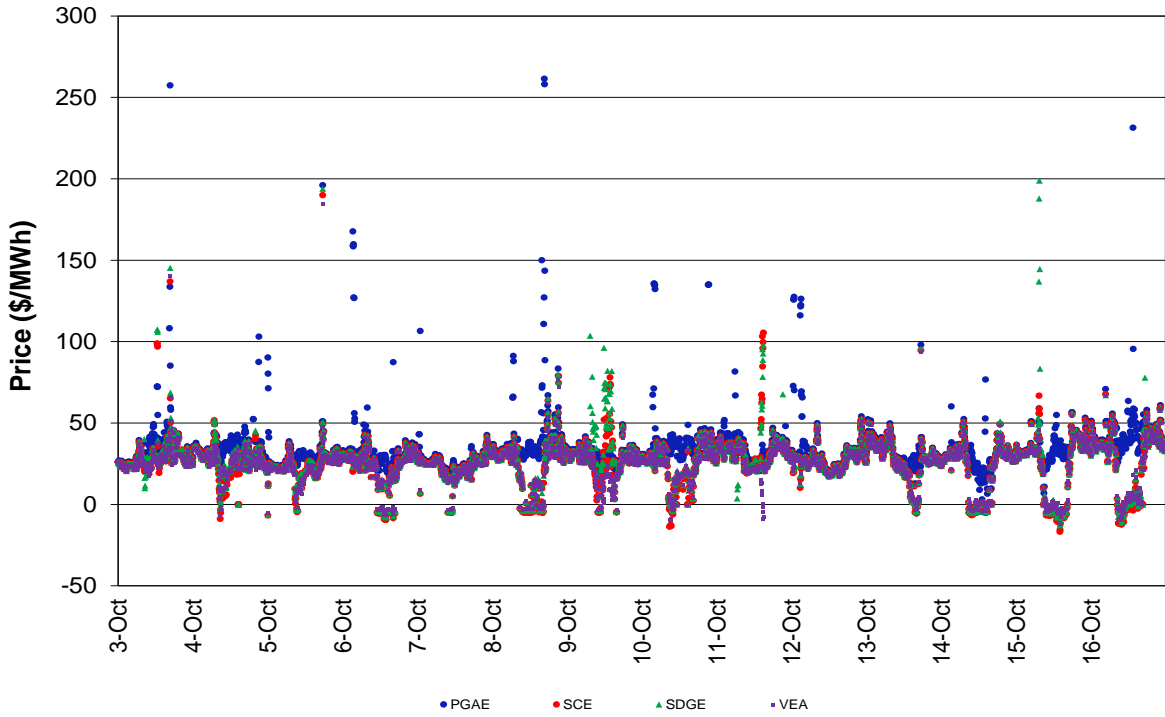


Figure 9: Real-Time FMM ELAP LMP

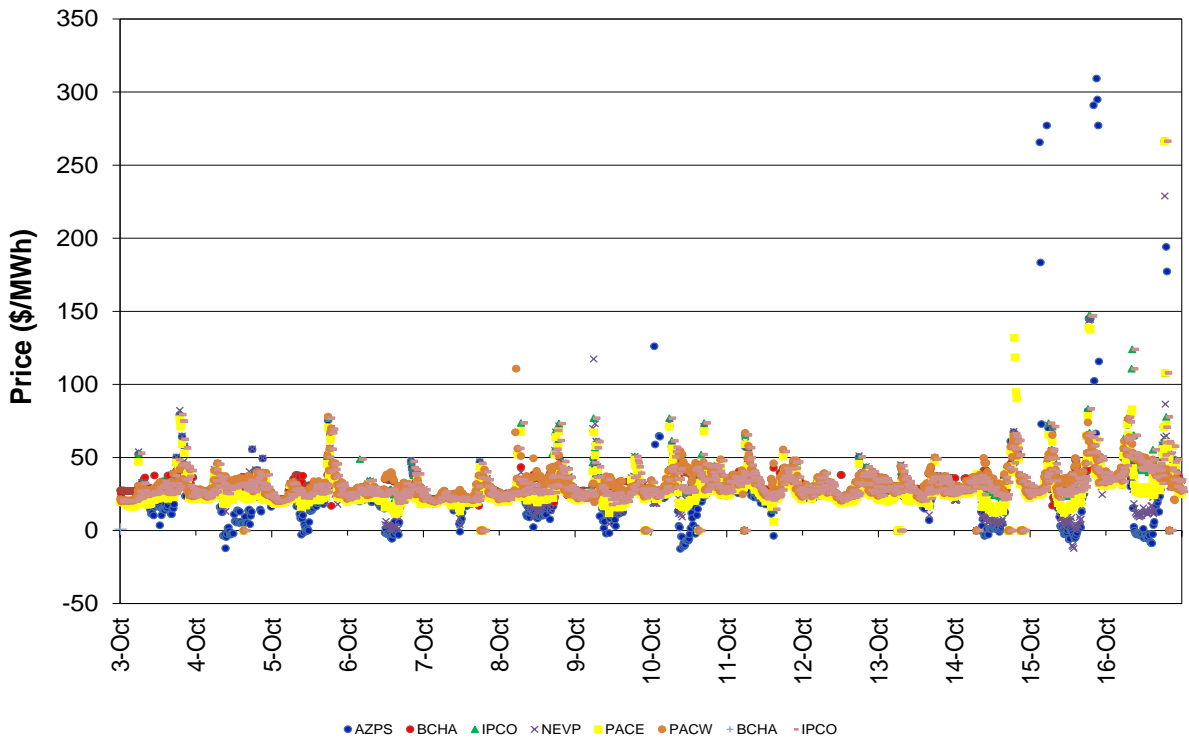




Figure 10: Real-Time RTD ELAP LMP

