

Market Highlights¹ (January 11–January 24)

- The average DLAP price in the integrated forward market was \$34.67. The maximum and minimum DLAP prices were \$67.29 and \$4.96, respectively. The maximum and minimum PNode prices in the integrated forward market were \$176.47 and -\$211.49 respectively.
- The top two interties congested in the integrated forward market were MALIN500 and NOB_ITC. Congestion rents in these two weeks totaled \$6,477,940.62.
- The average day-ahead ancillary service prices were between \$0.00 and \$91.61.
- Approximately 83.09 percent of the RUC requirements were met from RA units.
- The average real-time FMM DLAP price was \$34.38, with a maximum price of \$1,041.22 and a minimum price of -\$318.50. The maximum and minimum PNode prices in the FMM were \$1,348.01 and -\$1,032.80, respectively.
- Out of the total 1,344 FMM intervals, 1 intervals saw DLAP prices above \$250, and 3 intervals saw DLAP prices below -\$150.
- Out of the total 1,344 FMM intervals, 2 intervals saw ELAP prices above \$250 and 4 intervals saw ELAP prices below -\$150. The average real-time FMM ELAP price was \$26.43, with a maximum price of \$975.67 and a minimum price of -\$286.75.
- The average real-time RTD DLAP price was \$31.71, with a maximum price of \$1,102.57 and a minimum price of -\$294.00. The maximum and minimum PNode prices in the RTD were \$1,375.02 and -\$1,080.85, respectively.
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- Out of the total 4,032 RTD intervals, 22 intervals saw DLAP prices above \$250 and 12 intervals saw DLAP prices below -\$150.
- Out of the total 4,032 RTD intervals, 31 intervals saw ELAP prices above \$250 and 41 intervals saw ELAP prices below -\$150. The average real-time RTD ELAP price was \$22.78, with a maximum price of \$994.69 and a minimum price of -\$268.02.
- Root cause for daily high price events are noted in Tables 1 and 2.

Table 1 FMM Intervals	
Trade Date	Root Cause
FMM Jan 19 HE 17	Renewable deviation

Table 2 RTD Intervals	
Trade Date	Root Cause
RTD Jan 17 HE 17	Load changes

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 Jan 19 HE 20	Reduction of net import and renewable deviation
RTD Jan 20 HE 11, 12	Renewable deviation and load changes
RTD Jan 22 HE 14	Load changes and renewable deviation
RTD Jan 23 HE 18, 19	Reduction of net import and load changes
RTD Jan 24 HE 18	Load changes and re-dispatch of resources

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

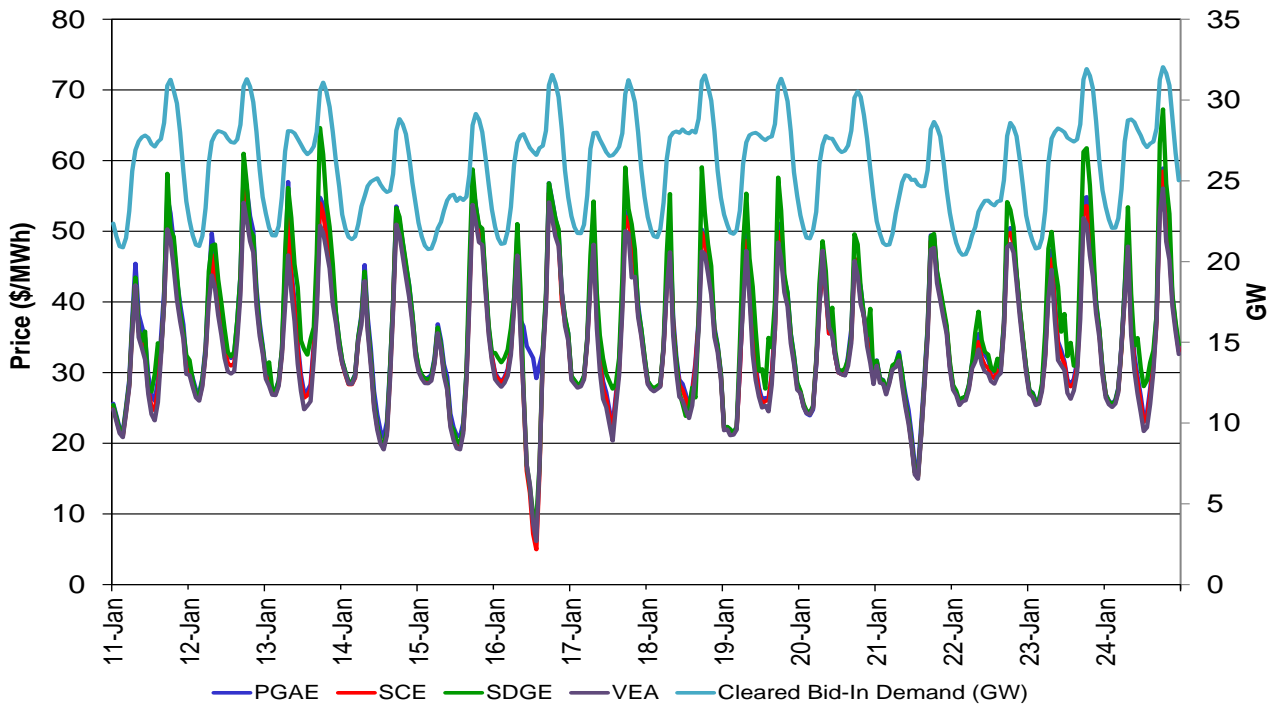




Figure 2: Day-Ahead Congestion Rents

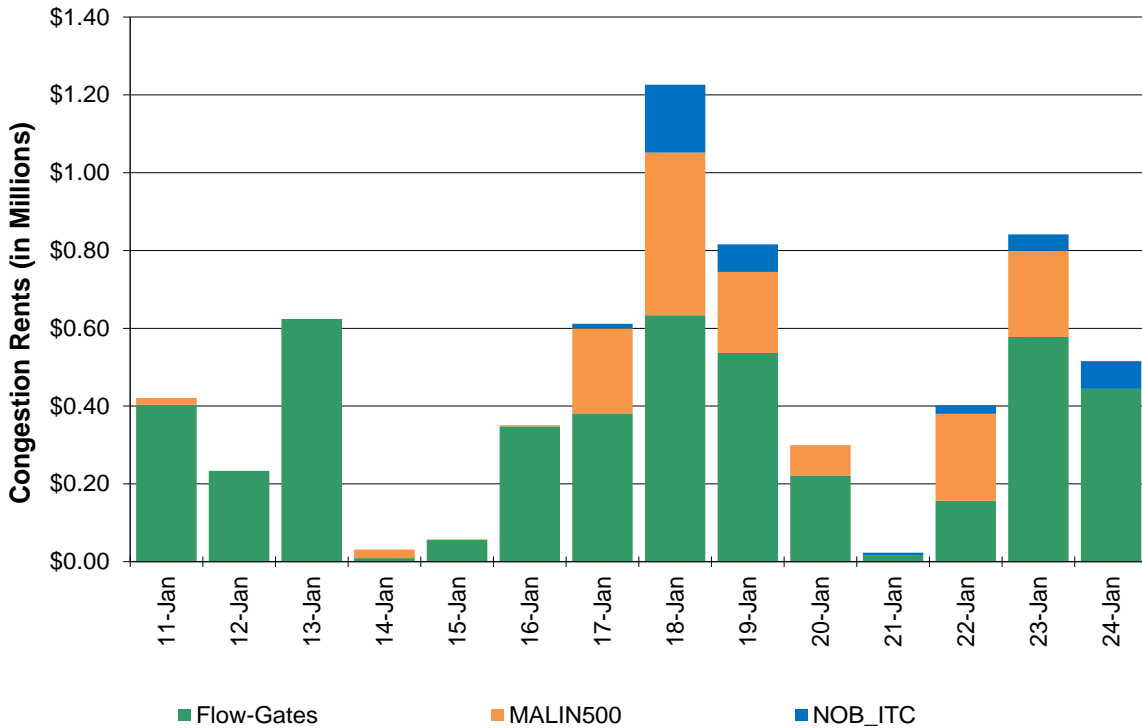


Figure 3: Day-Ahead Congestion Rents for Flow-Based Constraints

Transmission Constraint	Congestion Rent
23040_CROSSTRIP	\$ 3,223,854.61
22192_DOUBLTTP_138_22300_FRIARS_138_BR_1_1	\$ 338,901.60
22865_GRNT_HLL_138_22852_TELECYN_138_BR_1_1	\$ 279,297.67
OMS_4583153_PATH15_S-N	\$ 188,476.49
MAXBURN_ALISO_SDGE	\$ 96,246.72
24085_LUGO_230_24086_LUGO_500_XF_1_P	\$ 74,536.23
22256_ESCNDIDO_69.0_22724_SANMRCOS_69.0_BR_1_1	\$ 66,119.79
32314_SMRTSVLE_60.0_32316_YUBAGOLD_60.0_BR_1_1	\$ 55,328.17
HUMBOLDT_IMP_NG	\$ 50,344.23
30300_TABLMTN_230_30066_TB_MT_1M_1.0_XF_1	\$ 39,507.45
22480_MIRAMAR_69.0_22756_SCRIPPS_69.0_BR_1_1	\$ 36,647.60
24086_LUGO_500_26105_VICTORVL_500_BR_1_1	\$ 35,097.48
35122_NWARK_EF_115_35350_AMES_BS_115_BR_2_1	\$ 33,770.42
34874_WHEELER_70.0_34756_WHEELER_115_XF_2	\$ 29,773.20
31461_JESSTAP_115_31464_COTWDPGE_115_BR_1_1	\$ 18,304.19
MAXBURN_ALISO_TOTAL	\$ 15,783.61
31464_COTWDPGE_115_30105_COTTNWD_230_XF_1	\$ 13,875.01
7820_TL_230S_OVERLOAD_NG	\$ 12,591.37
22831_SYCAMORE_138_22124_CHCARITA_138_BR_1_1	\$ 12,459.45
22124_CHCARITA_138_22437_NCMTAP_138_BR_1_1	\$ 7,191.72

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

Transmission Constraint	Congestion Rent
31108_SWNS FLT_60.0_31110_BRDGVILLE_60.0_BR_1_1	\$ 5,189.60
31080_HUMBOLDT_60.0_31088_HMBLT JT_60.0_BR_1_1	\$ 3,576.42
22596_OLD TOWN_230_22504_MISSION_230_BR_1_1	\$ 2,895.41
Devers NORTH BUS OUTAGE NG	\$ 1,758.06
31566_KESWICK_60.0_31582_STLLWATR_60.0_BR_1_1	\$ 565.29
31104_CARLOTTA_60.0_31105_RIODLLTP_60.0_BR_1_1	\$ 341.52
Total	\$ 4,642,433.29

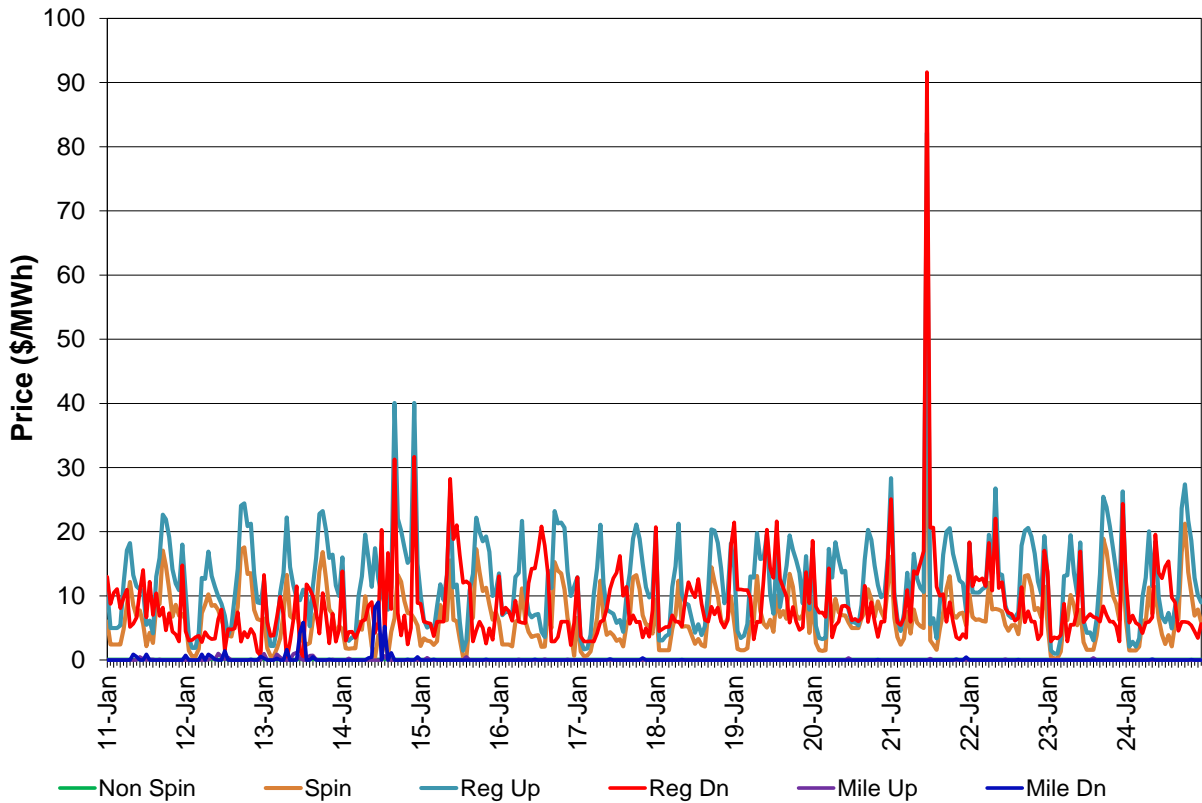
Figure 4: Day-Ahead (IFM) Average A/S Price




Figure 5: Day-Ahead Average RUC Price

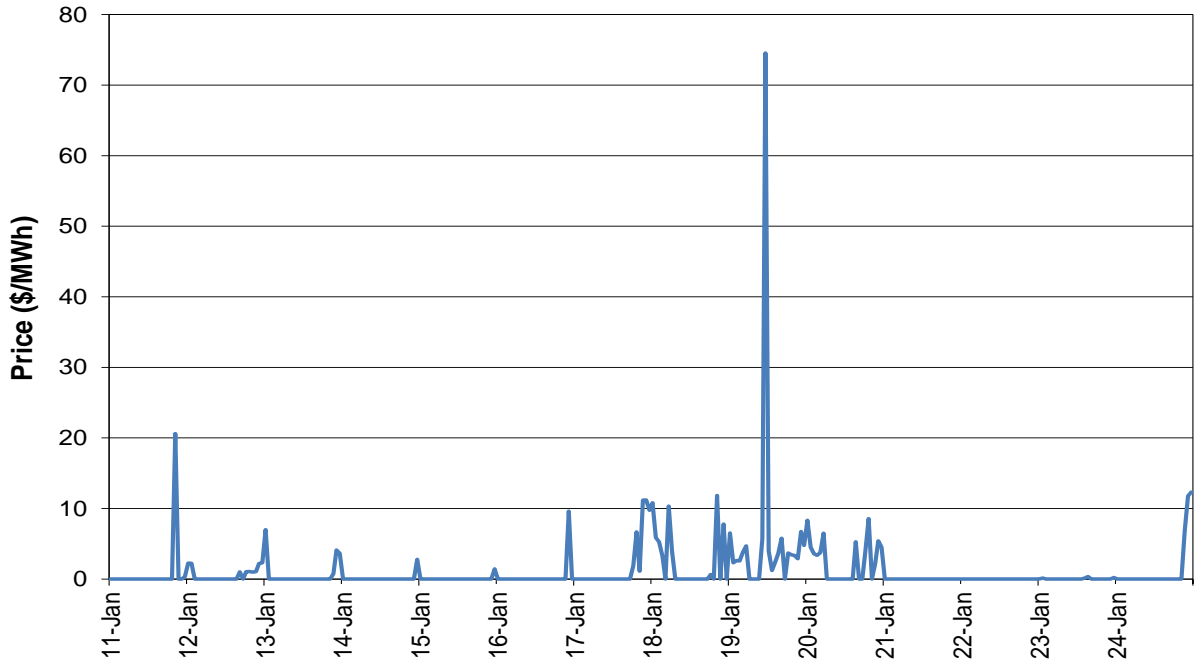


Figure 6: Real-Time FMM Average A/S Price

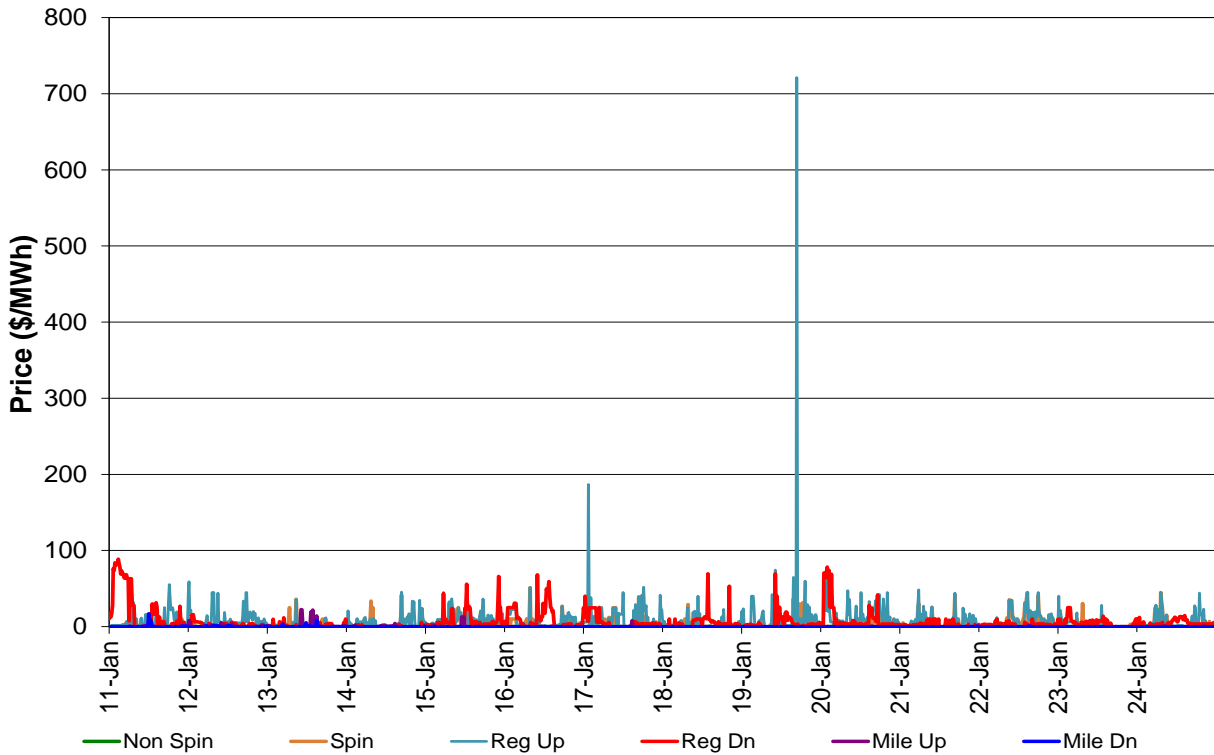




Figure 7: Real-Time FMM DLAP LMP

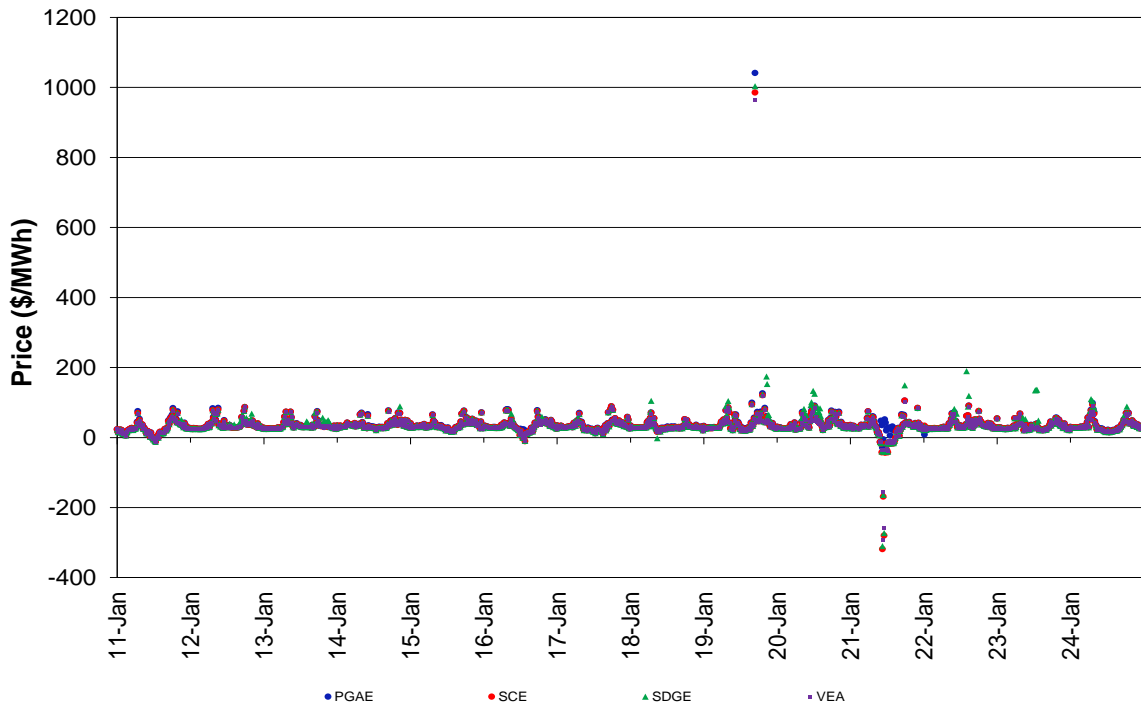


Figure 8: Real-Time RTD DLAP LMP

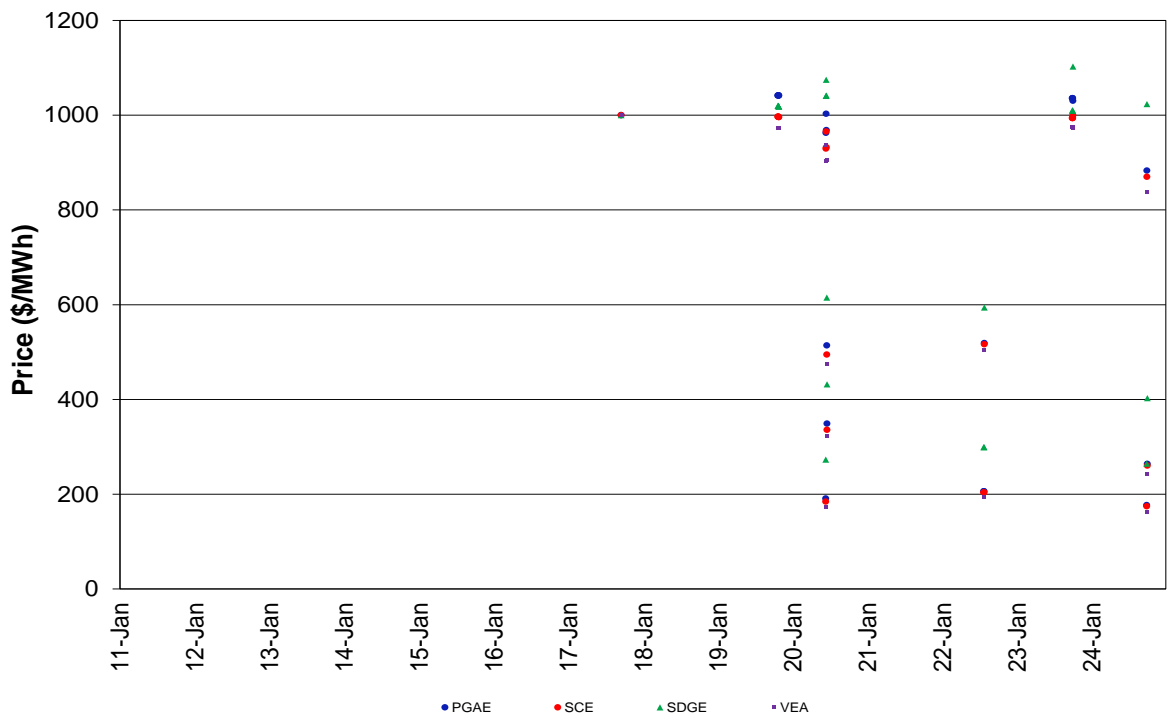


Figure 9: Real-Time FMM ELAP LMP

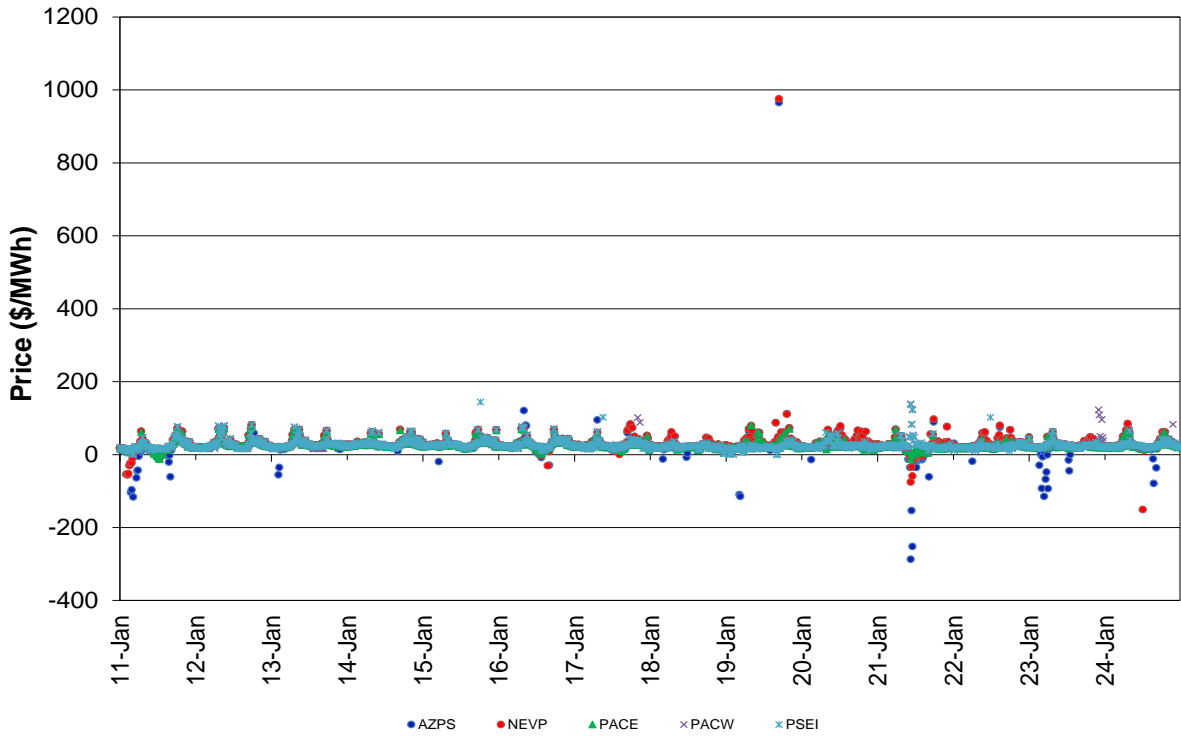


Figure 10: Real-Time RTD ELAP LMP

