Market Highlights[1] (February 6–February 19)

- The average DLAP price in the integrated forward market was $95.66. The maximum and minimum DLAP prices were $259.31 and $3.02, respectively. The maximum and minimum PNode prices in the integrated forward market were $499.24 and -$150.00 respectively.

- The top two interties congested in the integrated forward market were PALOVRDE_ITC and IPPDCADLN_ITC. Congestion rents in these two weeks totaled $35,903,155.08.

- The average day-ahead ancillary service prices were between $0.00 and $98.10.

- Approximately 91.37 percent of the RUC requirements were met from RA units.

- The average real-time FMM DLAP price was $85.78, with a maximum price of $347.95 and a minimum price of -$128.90. The maximum and minimum PNode prices in the FMM were $1,000.00 and -$239.44, respectively.

- Out of the total 1,344 FMM intervals, 25 intervals saw DLAP prices above $250, and 0 intervals saw DLAP prices below -$150.

- Out of the total 1,344 FMM intervals, 78 intervals saw ELAP prices above $250 And 14 intervals saw ELAP prices below -$150.

- The average real-time FMM ELAP price was $74.89, with a maximum price of $1,000.00 and a minimum price of -$156.55.

- The average real-time RTD DLAP price was $77.62, with a maximum price of $1,093.23 and a minimum price of -$196.37. The maximum and minimum PNode prices in the RTD were $1,188.11 and -$491.73, respectively.

- Out of the total 4,032 RTD intervals, 50 intervals saw DLAP prices above $250 and 1 interval saw DLAP prices below -$150.

- Out of the total 4,032 RTD intervals, 112 intervals saw ELAP prices above $250 and 69 intervals saw ELAP prices below -$150. The average real-time RTD ELAP price was $69.97, with a maximum price of $1,033.28 and a minimum price of -$196.44.

- Root causes for daily high price events are noted in Tables 1 and 2.

Table 1 FMM Intervals	
Trade Date	**Root Cause**
FMM Feb 7 HE 7; Feb 8 HE 8	Load changes and reduction of net imports.
FMM Feb 7 HE 8; HE 18;	Load changes.

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

Table 1 FMM Intervals	
Trade Date	**Root Cause**
Feb 8 HE 6, HE 7, HE 18; Feb 11 HE 6, HE 19; Feb 17 HE 19	
FMM Feb 7 HE 19	Load changes and re-dispatch of resources.
FMM Feb 9 HE 21; Feb 12 HE 15, HE 19, HE 22; Feb 14 HE 21	Congestion on 7820_TL 230S_OVERLOAD_NG.
FMM Feb 11 HE 16	Load changes, changes in renewable forecast, and congestion on 7820_TL 230S_OVERLOAD_NG.
FMM Feb 11 HE 17, HE 18	Load changes and changes in renewable forecast.
FMM Feb 15 HE 18	Load changes and congestion on 22716_SANLUSRY_230_24131_S.ONOFRE_230_BR_3 _1.
FMM Feb 19 HE 9	Load changes, reduction of net imports, congestion on 7820_TL 230S_OVERLOAD_NG.

Table 2 RTD Intervals	
Trade Date	**Root Cause**
RTD Feb 6 HE 6; Feb 13 HE 8; Feb 19 HE 18	Load changes and renewable deviation.
RTD Feb 6 HE 8; Feb 12 HE 14	Load changes, reduction of net imports, and re-dispatch of resources.
RTD Feb 9 HE 19, HE 20; Feb 12 HE 13, HE 17, HE 22; Feb 13 HE 15	Congestion on 7820_TL 230S_OVERLOAD_NG.
RTD Feb 9 HE 9, HE 10	Congestion on OMS_6742815_TL23054_NG.
RTD Feb 12 HE 13	Renewable deviation.
RTD Feb 12 HE 15	Load changes, renewable deviation, and re-dispatch of resources.
RTD Feb 12 HE 23	Renewable deviation and reduction of net imports.
RTD Feb 13 HE 13, HE 14	Renewable deviation.
RTD Feb 15 HE 9, HE 22	Renewable deviation and congestion on 22716_SANLUSRY_230_24131_S.ONOFRE_230_BR_3 _1.
RTD Feb 17 HE 17	Load changes.

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

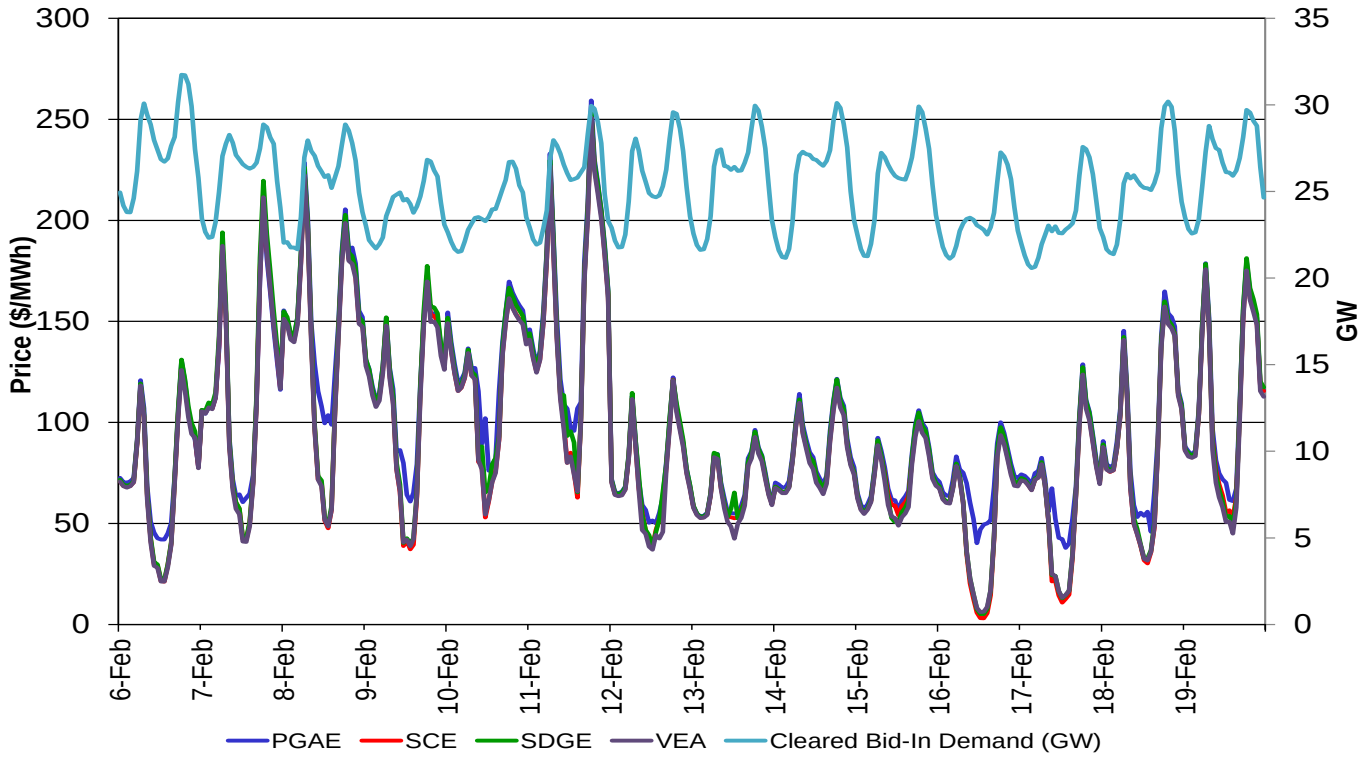

Figure 2: Day-Ahead Congestion Rents

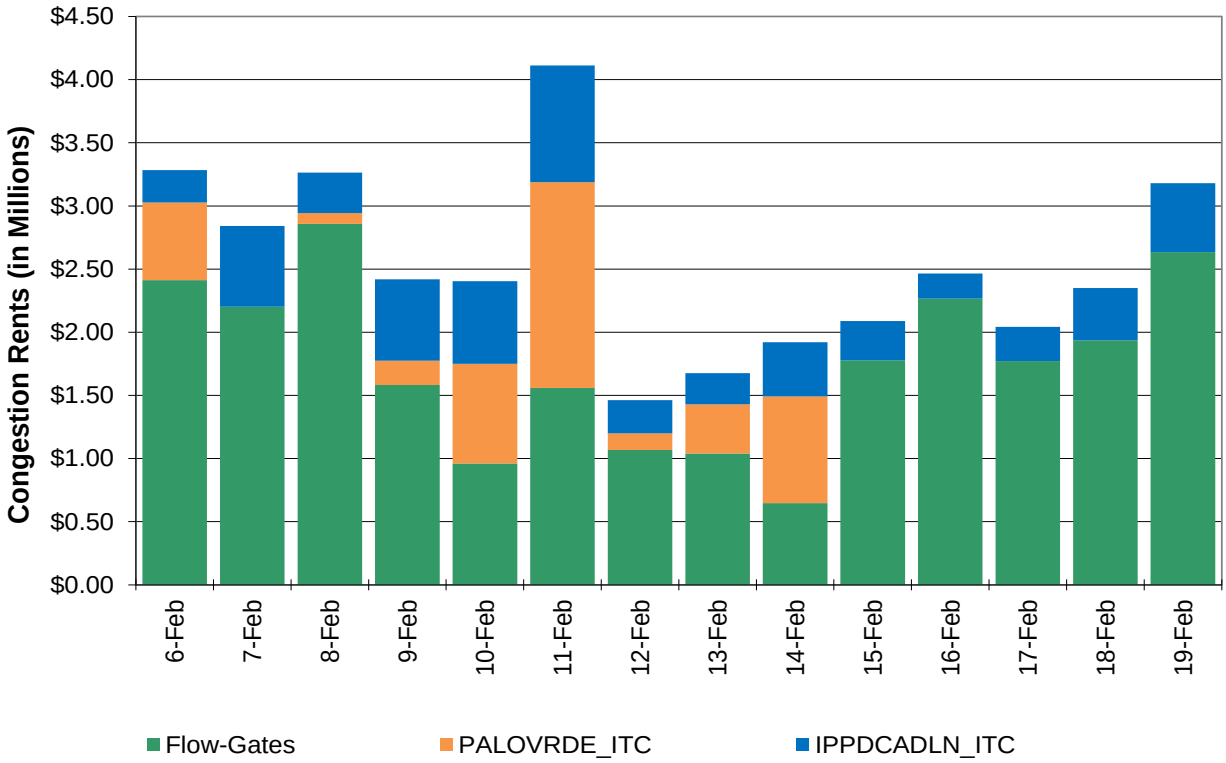

Figure 3: Day-Ahead Congestion Rents for Flow-Based Constraints

Transmission Constraint	Congestion Rent
7750_D-ECASCO_OOS_CP6_NG	$ 6,842,195.83
30055_GATES1 _500_30060_MIDWAY _500_BR_1 _3	$ 2,986,306.51
7750_D-ECASCO_OOS_N1SV500_NG	$ 2,898,769.26
30056_GATES2 _500_30060_MIDWAY _500_BR_2 _3	$ 2,883,134.32
30765_LOSBANOS_230_30790_PANOCHE _230_BR_2 _1	$ 2,402,114.46
OMS 6777914_PAS-BAI_OOS_NG	$ 1,701,409.29
30050_LOSBANOS_500_30055_GATES1 _500_BR_1 _1	$ 780,077.42
34418_KINGSBRG_115_34405_FRWT TAP_115_BR_1 _1	$ 749,692.30
7510-PAS-BAI-PAR-OOS_NG	$ 736,490.09
6410_CP7_NG	$ 672,029.51
OMS 6484294_7750_D-SBLR_NG	$ 479,482.36
24086_LUGO _500_26105_VICTORVL_500_BR_1 _1	$ 298,241.99
7820_TL 230S_OVERLOAD_NG	$ 222,064.25
30050_LOSBANOS_500_30056_GATES2 _500_BR_2 _1	$ 213,623.57
24901_VSTA _230_24804_DEVERS _230_BR_1 _1	$ 208,526.86
MAXBURN_ALISO_NORTHERN	$ 120,078.35
36851_NORTHERN_115_36852_SCOTT _115_BR_1 _1	$ 99,185.65
34116_LE GRAND_115_34134_WILSONAB_115_BR_1 _1	$ 75,777.89
22372_KEARNY _69.0_22496_MISSION _69.0_BR_1 _1	$ 57,626.93
34704_SEMITRPC_115_34774_MIDWAY _115_BR_1 _1	$ 31,159.59
32225_BRNSWKT1_115_32222_DTCH2TAP_115_BR_1 _1	$ 28,758.03
34474_HELM _70.0_34556_STRD JCT_70.0_BR_1 _1	$ 27,801.52
24114_PARDEE _230_24147_SYLMAR S_230_BR_2 _1	$ 25,399.48
34469_GFFNJCT _70.0_34470_GIFFEN _70.0_BR_1 _1	$ 24,558.25
31000_HUMBOLDT_115_31015_BRDGVLLE_115_BR_1 _1	$ 21,595.59
22716_SANLUSRY_230_24131_S.ONOFRE_230_BR_3 _1	$ 19,187.13
22192_DOUBLTTP_138_22300_FRIARS _138_BR_1 _1	$ 17,292.68
32214_RIO OSO _115_32244_BRNSWKT2_115_BR_2 _1	$ 15,905.67
31984_BRIGHTN _115_31993_BRKRJCT _115_BR_1 _1	$ 14,364.35
34548_KETTLEMN_70.0_34552_GATES _70.0_BR_1 _1	$ 11,502.75
22604_OTAY _69.0_22616_OTAYLKTP_69.0_BR_1 _1	$ 8,836.47
34112_EXCHEQUR_115_34116_LE GRAND_115_BR_1 _1	$ 8,446.82
35648_LLAGAS _115_35655_MORGN J2_115_BR_1 _1	$ 8,241.31
22200_DUNHILTP_69.0_22196_DUNHILL _69.0_BR_1 _1	$ 7,422.71
34405_FRWT TAP_115_34420_CORCORAN_115_BR_1 _1	$ 4,152.14
31566_KESWICK _60.0_31582_STLLWATR_60.0_BR_1 _1	$ 3,935.31
HUMBOLDT_IMP_NG	$ 3,875.89
31080_HUMBOLDT_60.0_31092_MPLE CRK_60.0_BR_1 _1	$ 1,569.01
31464_COTWDPGE_115_30105_COTTNWD _230_XF_1	$ 571.10
33543_AEC_TP2 _115_33540_TESLA _115_BR_1 _1	$ 489.21
Totals	**$ 24,711,891.88**

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

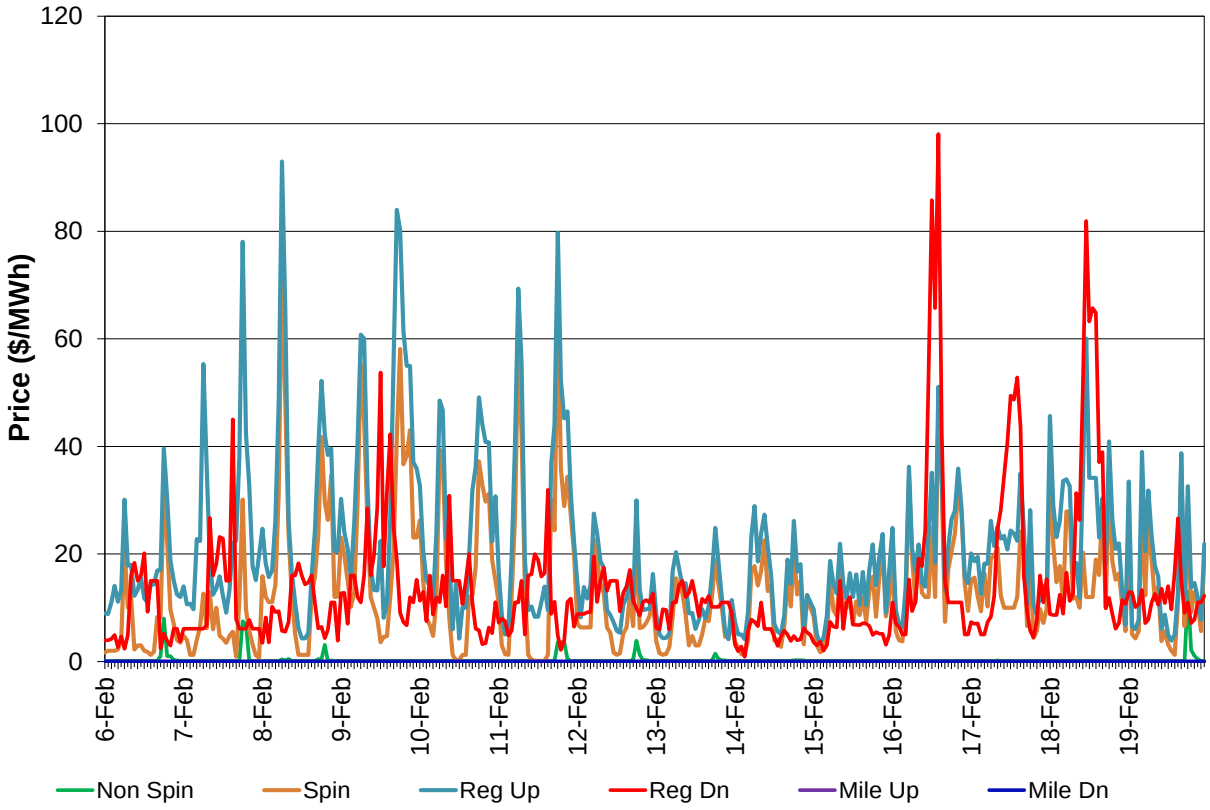

Figure 5: Day-Ahead Average RUC Price

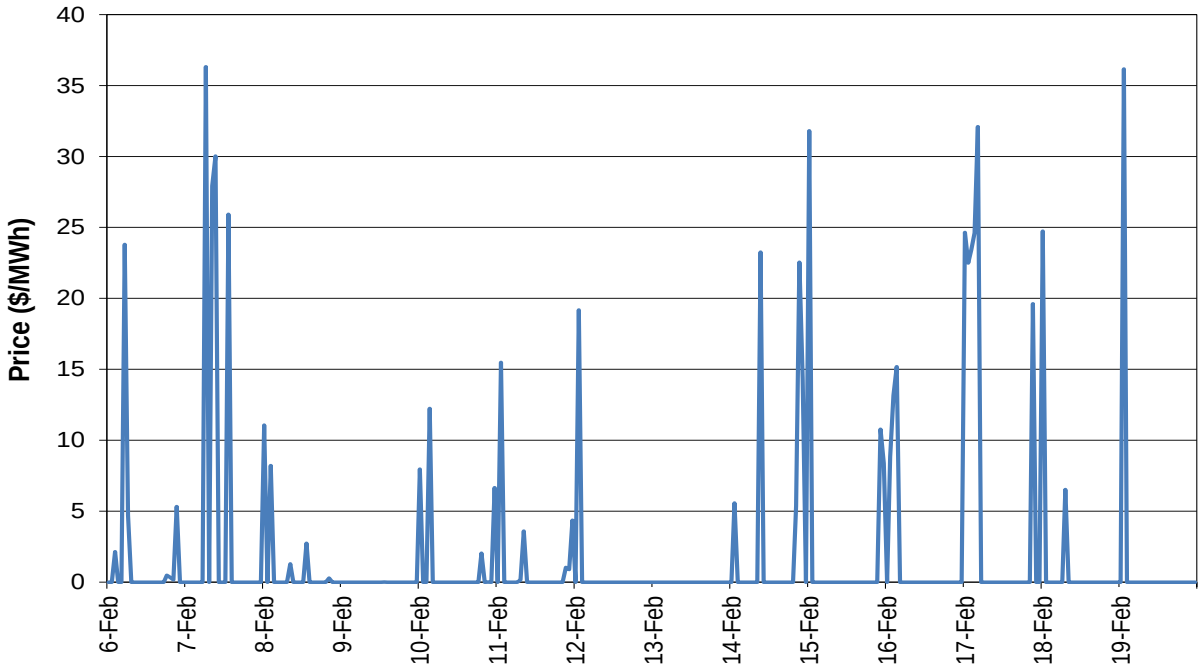

Figure 6: Real-Time FMM Average A/S Price

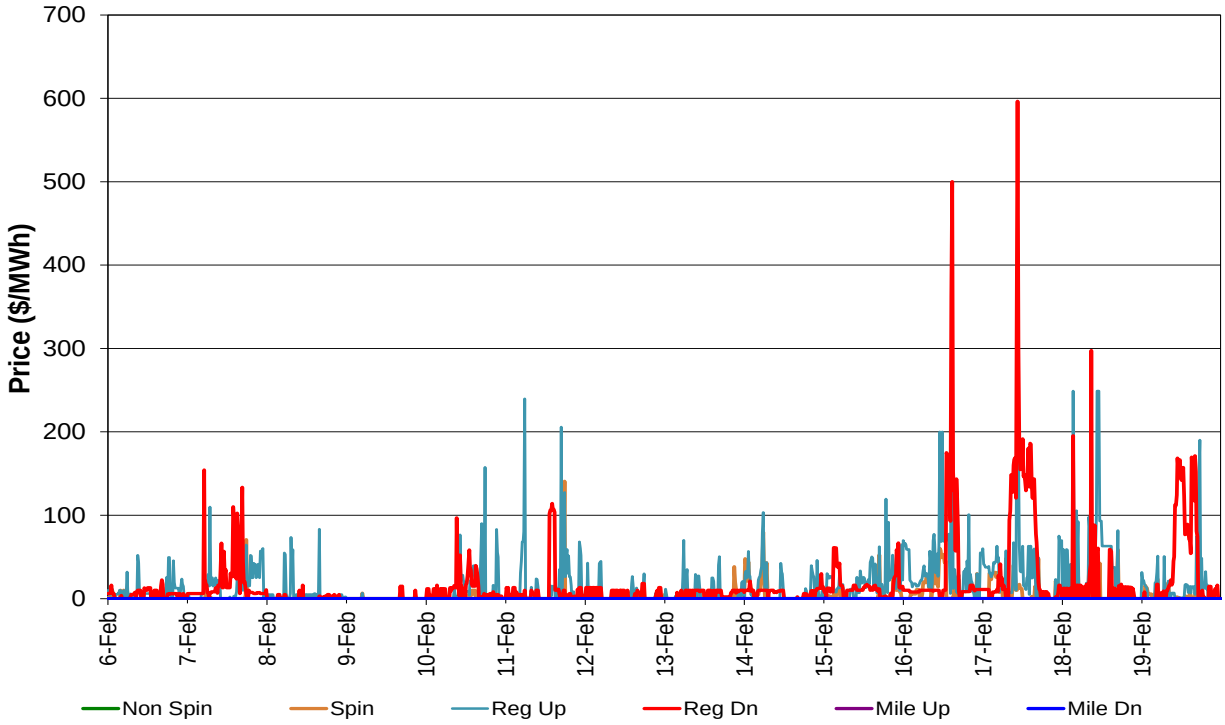

Figure 7: Real-Time FMM DLAP LMP

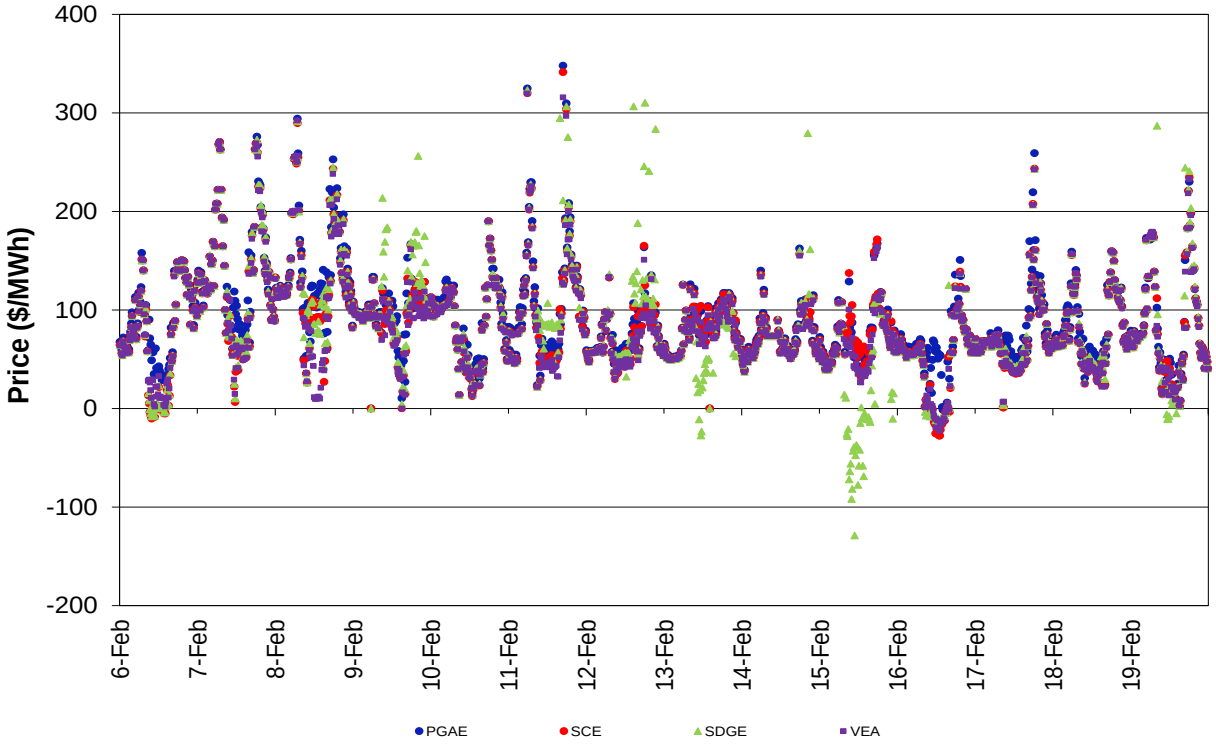

Figure 8: Real-Time RTD DLAP LMP

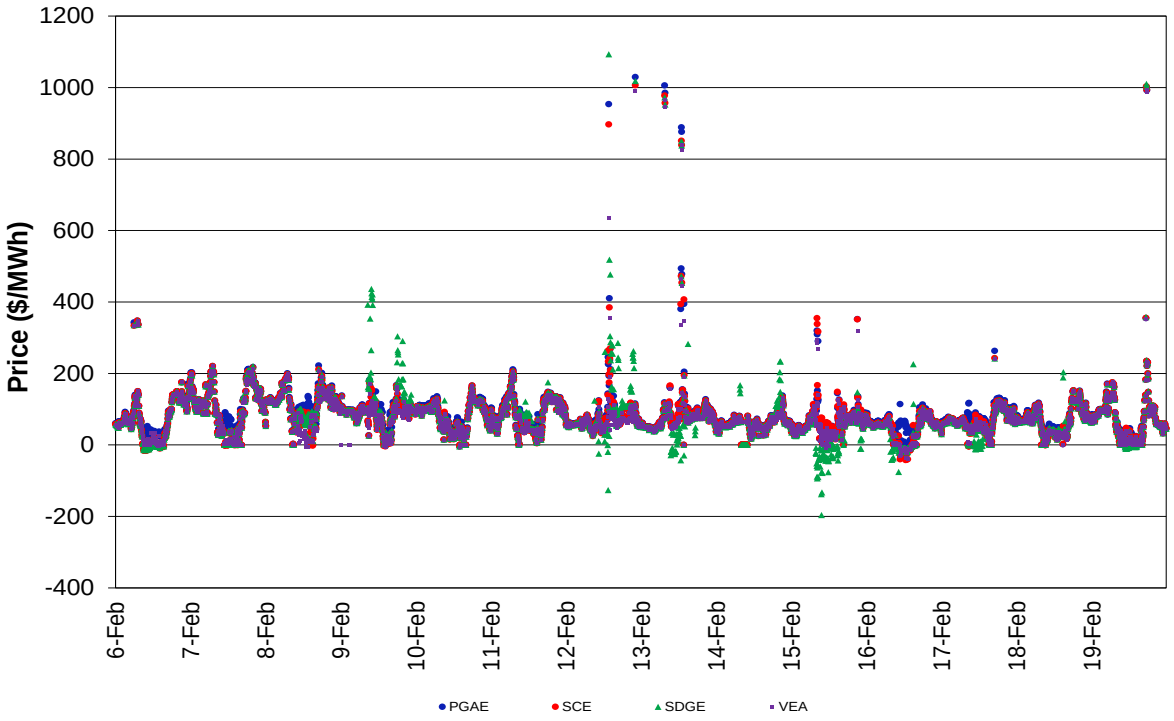

Figure 9: Real-Time FMM ELAP LMP

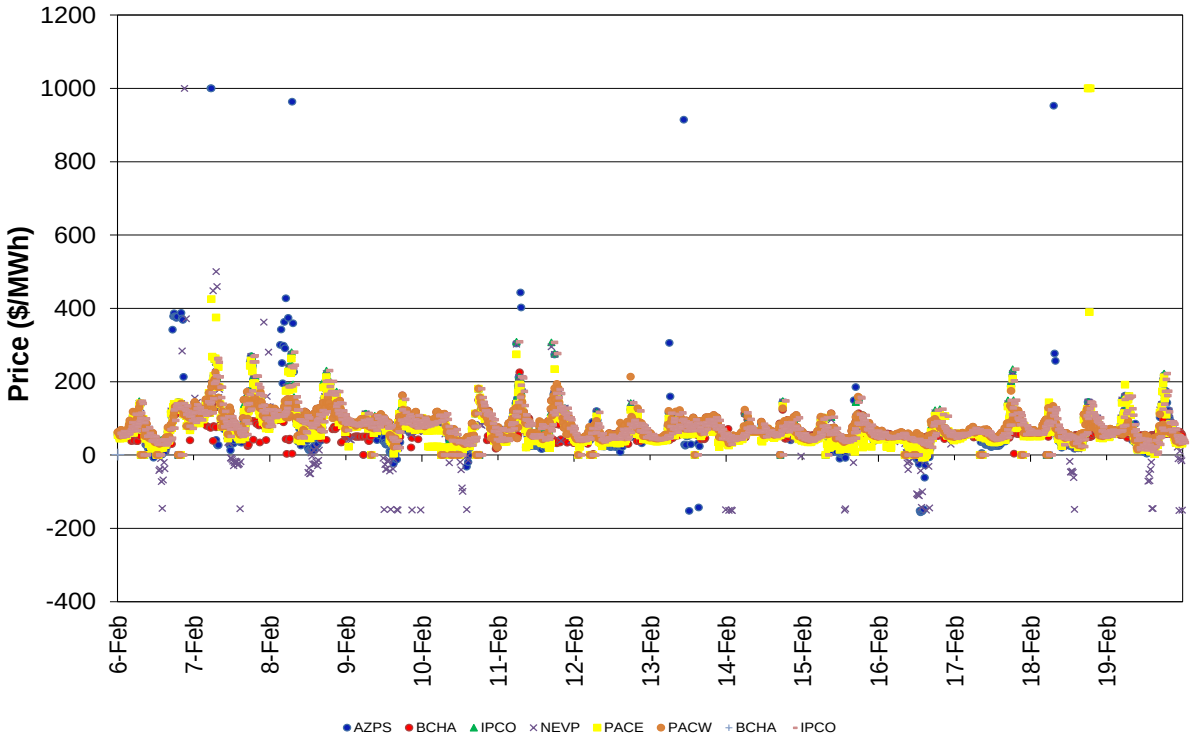

Figure 10: Real-Time RTD ELAP LMP