



Estimation of Nodal and Resource Prices

California ISO	Version: 1.5
Estimation of Nodal and Resource Prices	Last Updated: 3/14/2017

The ISO has observed anomalous pricing results for the trade dates listed below due to an apparent failure of an ISO system. Pursuant to Section 11.29.10.5, the ISO is temporarily estimating prices on the initial statement for these trade dates by adjusting the nodal and price components, the associated LMPs, and flexible ramp prices at the impacted locations to address the anomalous magnitude. The CAISO intends to correct the anomalous results through the established price correction process. Settlement based upon the corrected price components and LMP prices will be reflected on the next settlement statement.

Trade Date	Beginning Interval	Ending Interval	Mitigation Process
03/10/2017	HE 1 INT 01	HE 18 INT 12	Zero out the 15-minute and 5-minute MCC, MCL, and GHG components, and adjusting the resultant LMP equal to SMEC to impacted NEVP locations. For flexible ramp up and down prices the adjustment to NEVP locations is made by zeroing the 15-minute and 5-minute upward and downward uncertainty constraint shadow prices and adjusting the associated flexible ramp up and down prices to reflect the zero shadow prices.
03/09/2017	HE 1 INT 01	HE 24 INT 12	Zero out the 15-minute and 5-minute MCC, MCL, and GHG components, and adjusting the resultant LMP equal to SMEC to impacted NEVP locations. For flexible ramp up and down prices the adjustment to NEVP locations is made by zeroing the 15-minute and 5-minute upward and downward uncertainty constraint shadow prices and adjusting the associated flexible ramp up and down prices to reflect the zero shadow prices.
03/08/2017	HE 1 INT 01	HE 24 INT 12	Zero out the 15-minute and 5-minute MCC, MCL, and GHG components, and adjusting the resultant LMP equal to SMEC to impacted NEVP locations. For flexible ramp up and down prices the adjustment to NEVP locations is made by zeroing the 15-minute and 5-minute upward and downward uncertainty constraint shadow prices and adjusting the associated flexible ramp up and down prices to reflect the zero shadow prices.
03/07/2017	HE 1 INT 01	HE 24 INT 12	Zero out the 15-minute and 5-minute MCC, MCL, and GHG components, and adjusting the resultant LMP equal to SMEC to impacted NEVP locations. For flexible ramp up and down prices the adjustment to NEVP locations is made by zeroing the 15-minute and 5-minute upward and downward uncertainty constraint shadow prices and adjusting the associated

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Trade Date	Beginning Interval	Ending Interval	Mitigation Process
			flexible ramp up and down prices to reflect the zero shadow prices.
03/06/2017	HE18 INT 09	HE 24 INT 12	Zero out the 5-minute MCC and GHG components, and adjusting the resultant LMP equal to SMEC to impacted NEVP locations. MCL components are zero for these intervals, therefore, no adjustments were applied to MCL.
01/21/2017	HE 17 INT 03	HE 17 INT 03	Zero out the 15-minute MCC and MCL, and adjusting the resultant LMP equal the sum of SMEC and Green House Gas (GHG) LMP to impacted AZPS locations. For flexible ramp down prices the adjustment to AZPS locations is made by zeroing the downward uncertainty constraint shadow price and adjusting the associated flexible ramp down price to reflect the zero shadow price.
01/06/2017	HE 09 INT 03	HE 09 INT 03	Zero out the 15-minute marginal cost of congestion (MCC) and marginal cost of losses (MCL), and adjusting the resultant LMP equal the system marginal energy cost (SMEC) to impacted NEVP locations. For flexible ramp up prices the adjustment to NEVP locations is made by zeroing the upward uncertainty constraint shadow price and adjusting the associated flexible ramp up price to reflect the zero upward uncertainty constraint shadow price.