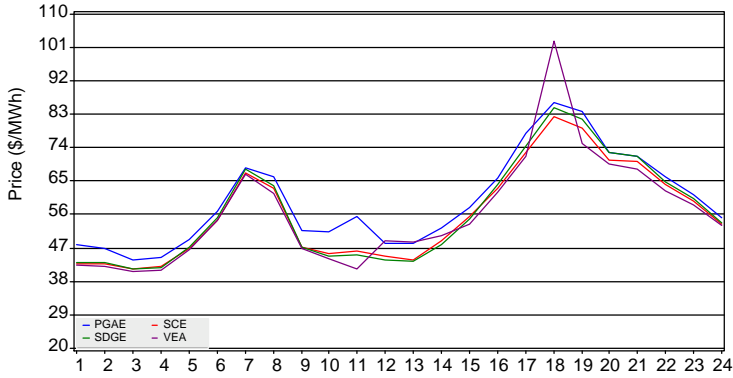


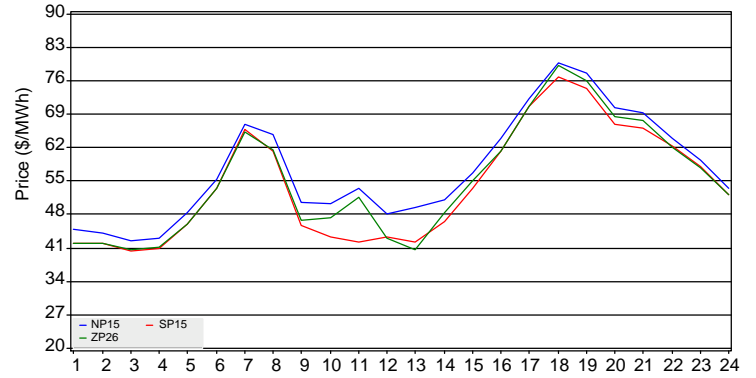
The information contained in this report is preliminary, subject to change without notice. No inference, decision, or conclusion should be made based on the information in this report or any series of these reports. Any questions regarding this report should be directed to CAISO MQRI.

(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

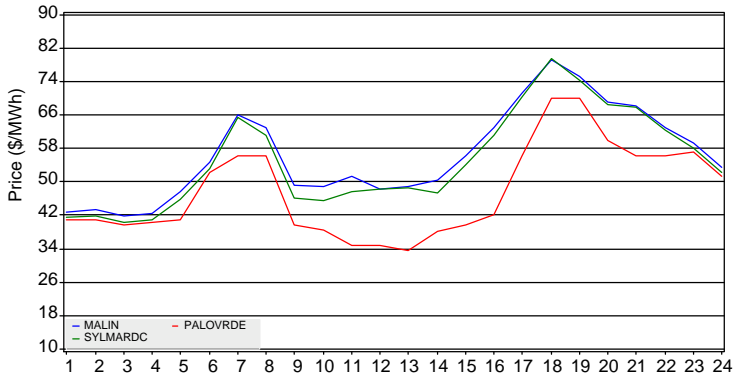
**IFM Default LAP LMPs**



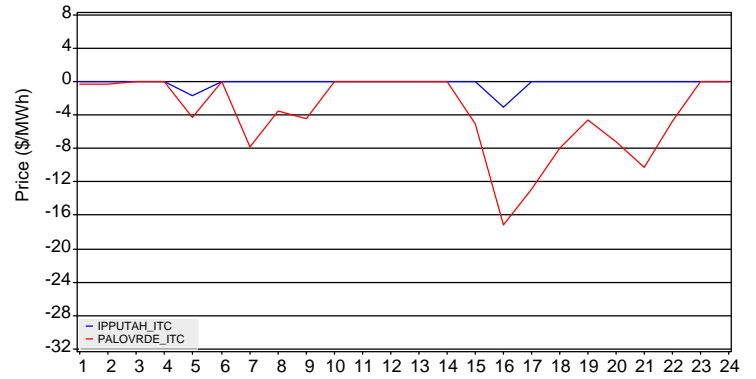
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



**IFM LMP Statistics for On-Peak and Off-Peak Hours (\$/MWh)**

	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	59.47	48.90	42.38	58.08	46.86	40.41	57.86	46.89	40.50	61.31	50.73	43.69	59.58	47.91	41.37	60.36	48.16	41.28	58.53	47.37	40.50
<b>ON</b>	79.67	61.76	48.22	76.93	57.66	42.28	79.14	59.03	40.59	86.10	63.94	48.12	82.40	60.28	43.84	84.86	60.82	43.26	102.65	60.83	41.36

**Selected IFM Intertie Congestion Rents**

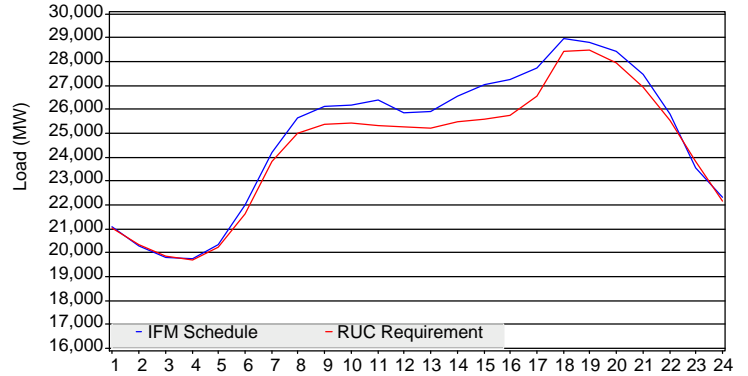
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
PALOVRDE_ITC	\$282,282.54	\$0.00	\$282,282.54	99.68%
IPPUTAH_ITC	\$909.43	\$0.00	\$909.43	0.32%

The information contained in this report is preliminary, subject to change without notice. No inference, decision, or conclusion should be made based on the information in this report or any series of these reports. Any questions regarding this report should be directed to CAISO MQRI.

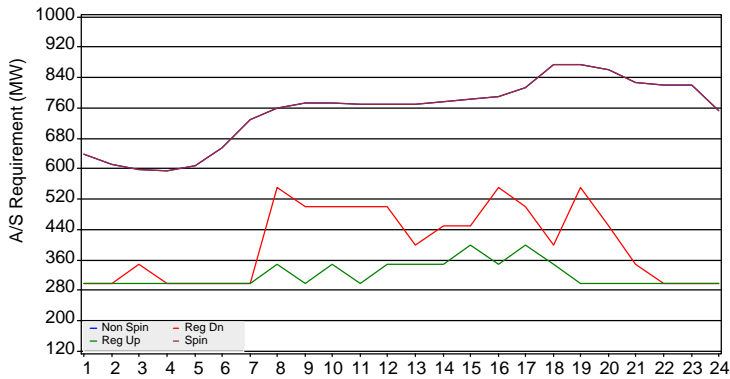
### RUC Cost to Underscheduled Load



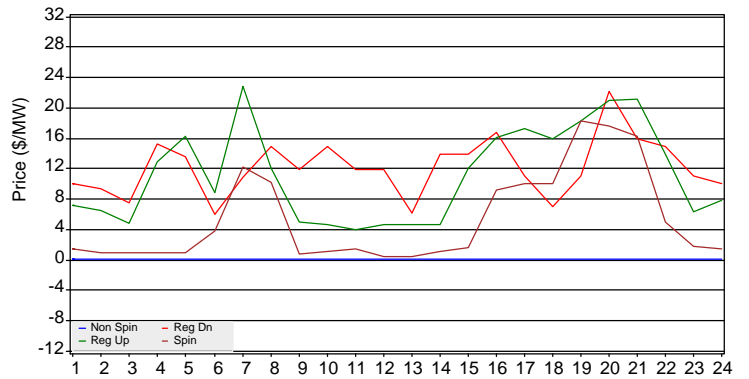
### IFM Cleared Quantity and RUC Requirement



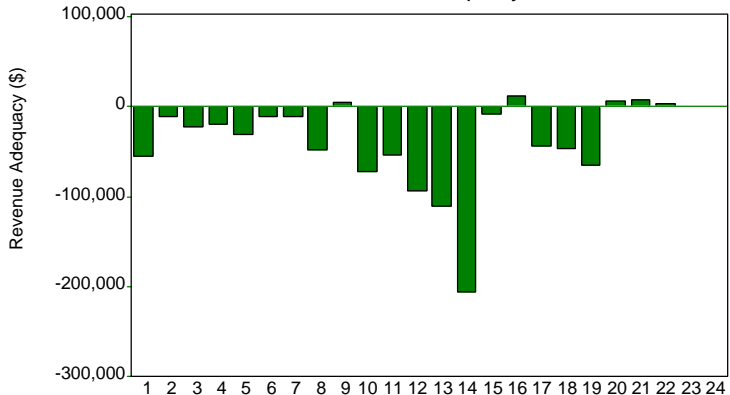
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	28NOV2018	Cumulative
CONGESTION RENT	\$626,410.53	\$31,515,935.38
CRR PAYMENT	\$1,496,611.34	\$41,304,945.66
PERFECT HEDGE	.	\$-176,378.13
CLAW BACK	.	\$67,821.73
CRR ADEQUACY	\$-870,200.81	\$-9,544,810.42
ADEQUACY RATIO	41.86%	76.63%
AUCTION REVENUES	.	\$7,753,511.72
BALANCE ACCOUNT	.	\$-1,791,298.70

\*The cumulative cost of perfect hedge is between 01NOV2018 and 25NOV2018

\*The cumulative cost of claw back is between 01NOV2018 and 25NOV2018