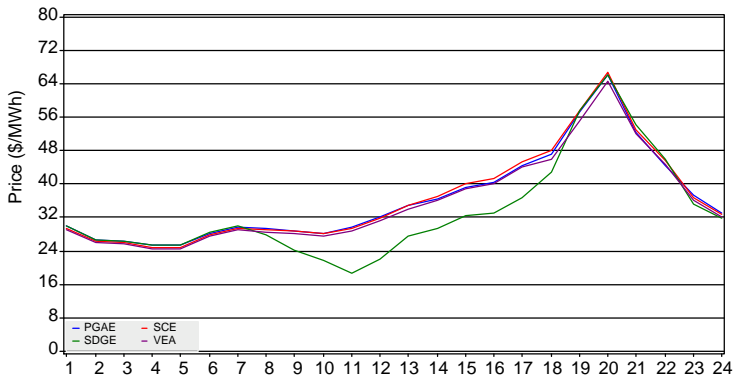


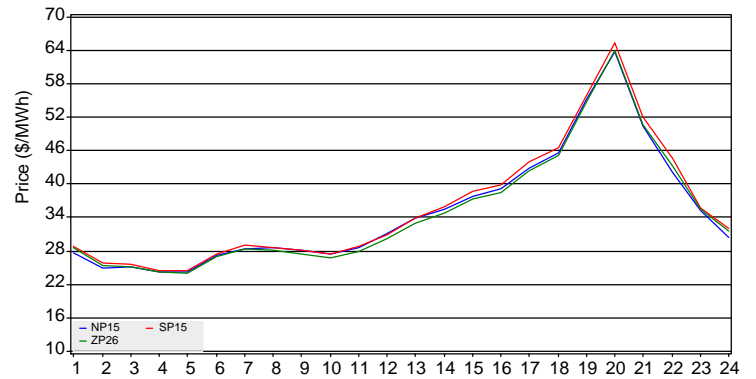
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

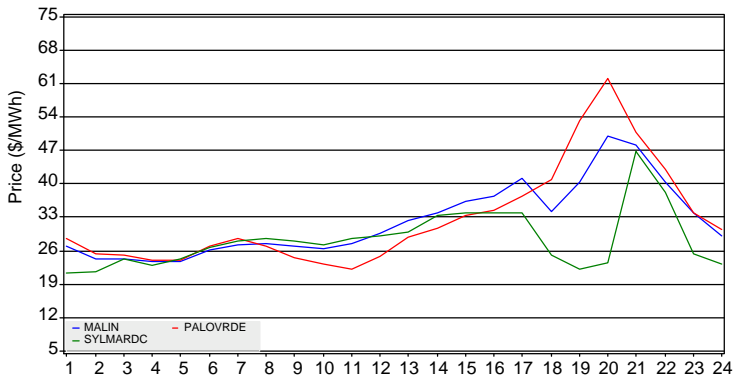
**IFM Default LAP LMPs**



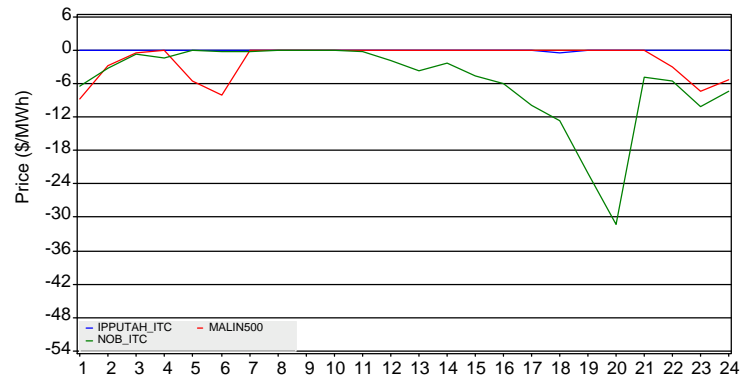
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



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

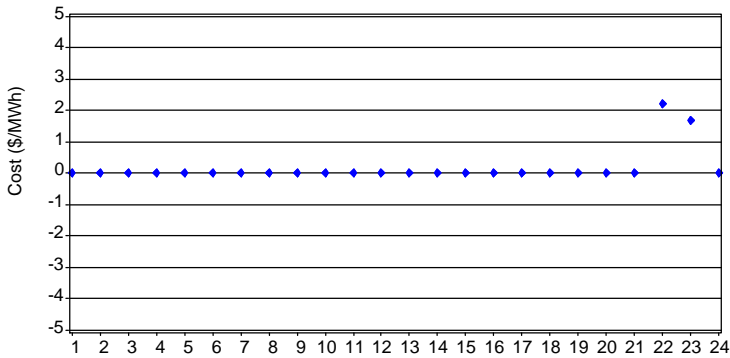
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	35.16	27.39	24.33	35.83	28.03	24.43	35.51	27.72	24.10	37.22	29.05	25.29	36.71	28.59	24.82	35.34	28.67	25.35	36.10	28.16	24.46
<b>ON</b>	63.78	38.63	27.51	65.32	39.36	27.47	63.90	38.30	26.78	66.22	40.02	28.24	66.85	40.40	28.16	66.02	35.63	18.70	64.52	39.31	27.49

**Selected IFM Intertie Congestion Rents**

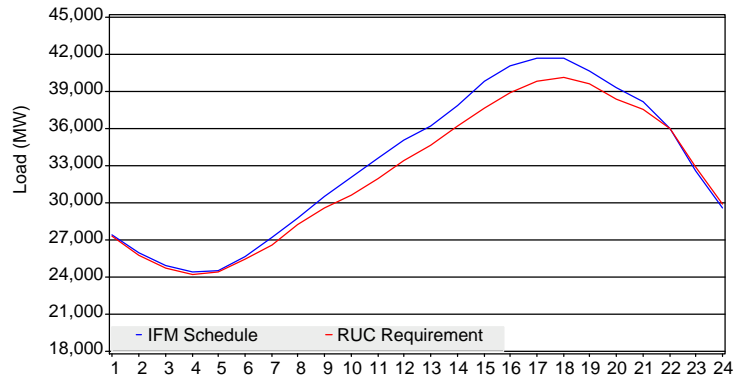
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
NOB_ITC	\$210,842.62	\$0.00	\$210,842.62	63.13%
MALIN500	\$123,019.70	\$0.00	\$123,019.70	36.84%
IPPUTAH_ITC	\$99.16	\$0.00	\$99.16	0.03%

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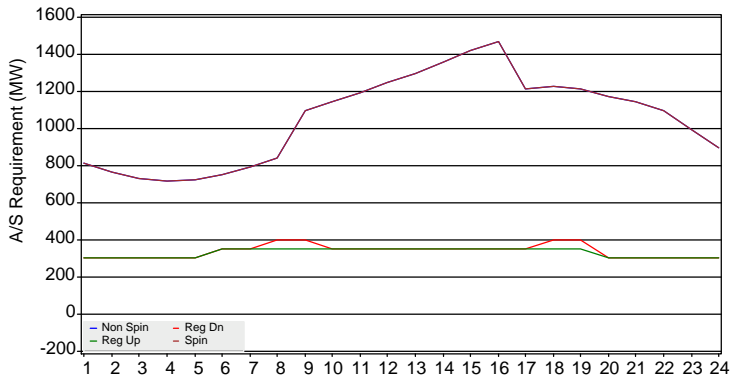
### RUC Cost to Underscheduled Load



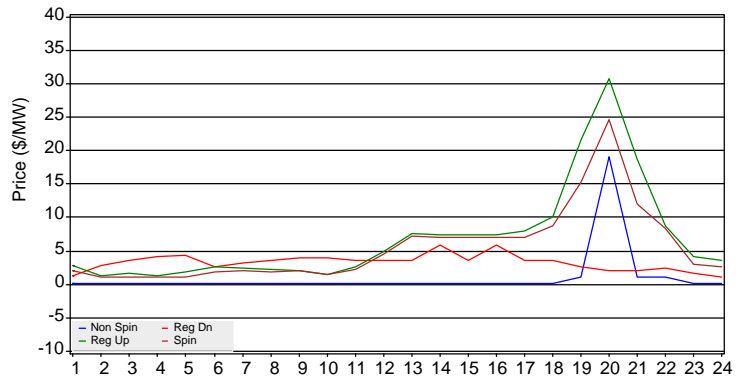
### IFM Cleared Quantity and RUC Requirement



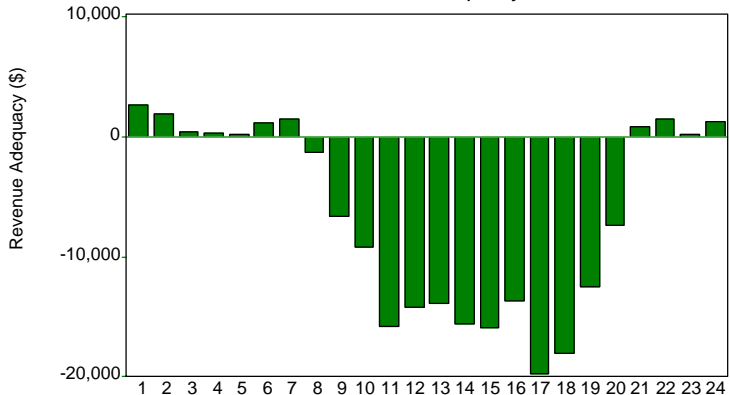
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	19JUL2017	Cumulative
CONGESTION RENT	\$605,943.78	\$18,879,916.99
CRR PAYMENT	\$758,049.47	\$22,691,579.78
PERFECT HEDGE	.	\$781,801.91
CLAW BACK	.	\$301,231.48
CRR ADEQUACY	-\$152,105.69	\$-4,292,233.22
ADEQUACY RATIO	79.93%	80.43%
AUCTION REVENUES	.	\$8,093,259.60
BALANCE ACCOUNT	.	\$3,801,026.38

\*The cumulative cost of perfect hedge is between 01JUL2017 and 16JUL2017

\*The cumulative cost of claw back is between 01JUL2017 and 16JUL2017