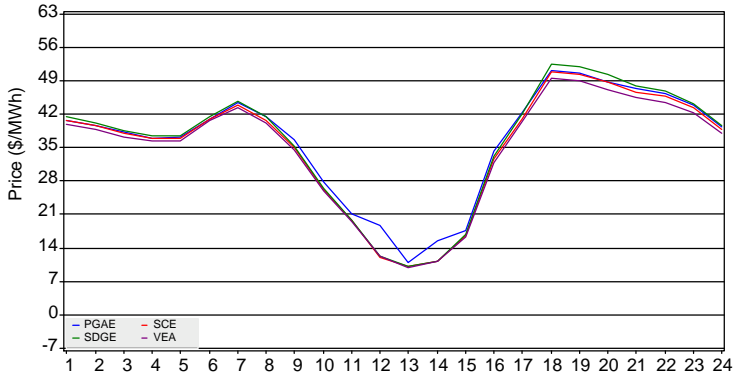


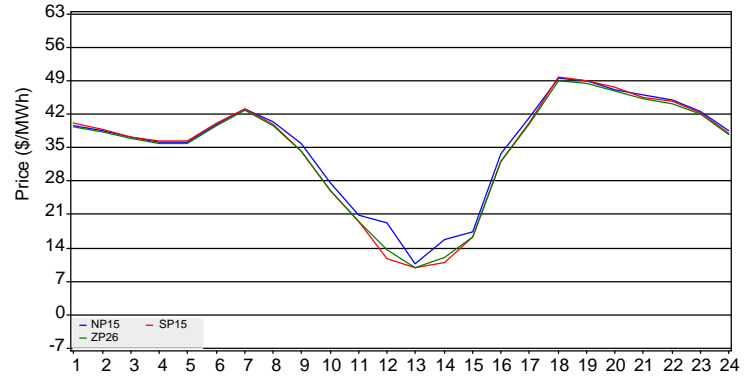
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

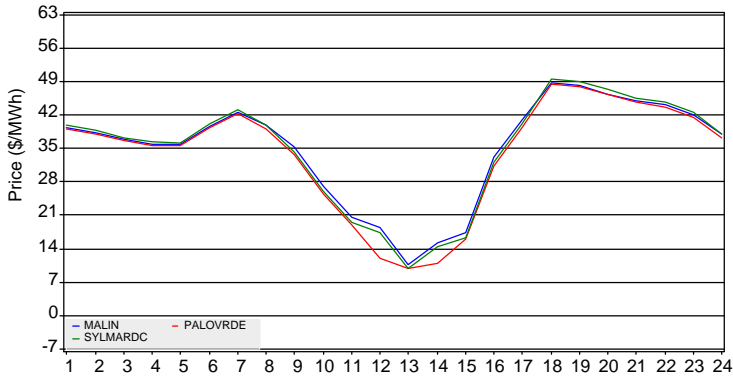
**IFM Default LAP LMPs**



**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**

**No Constraint is Binding**

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

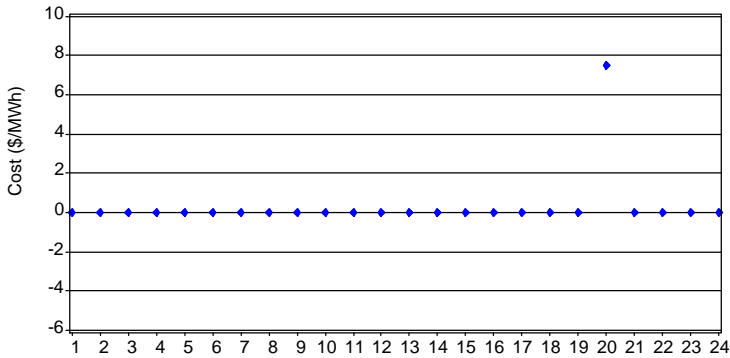
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	49.47	35.46	10.73	49.82	34.57	9.96	49.06	34.40	10.01	51.04	36.32	10.85	50.98	35.26	10.11	52.61	36.01	10.23	49.52	34.62	10.00

**Selected IFM Intertie Congestion Rents**

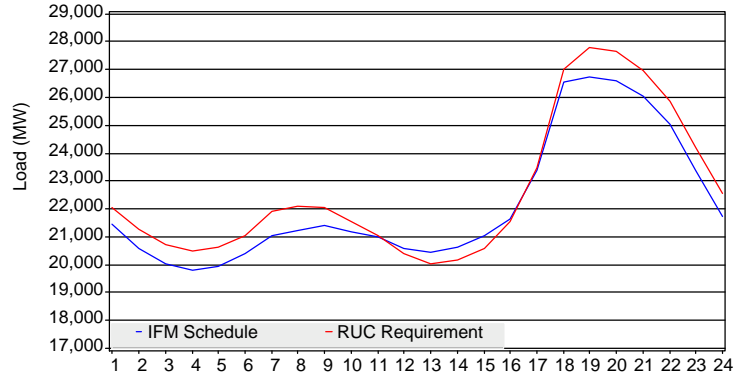
**No Intertie Congestion**

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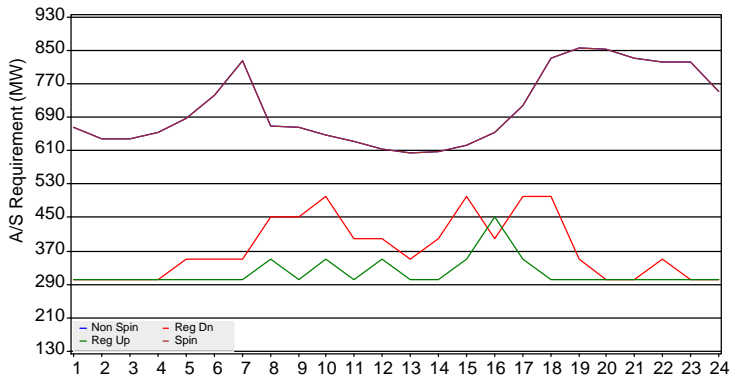
### RUC Cost to Underscheduled Load



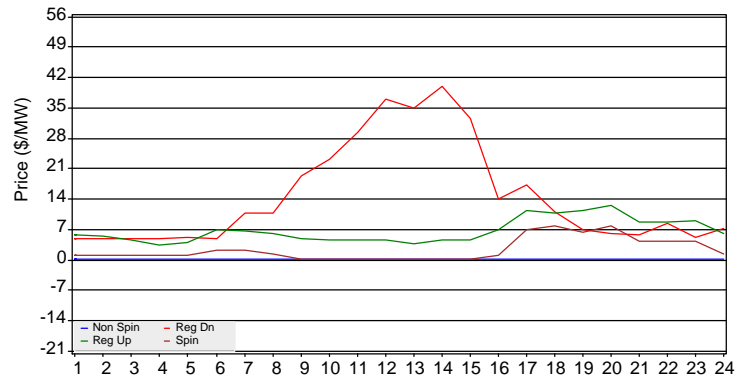
### IFM Cleared Quantity and RUC Requirement



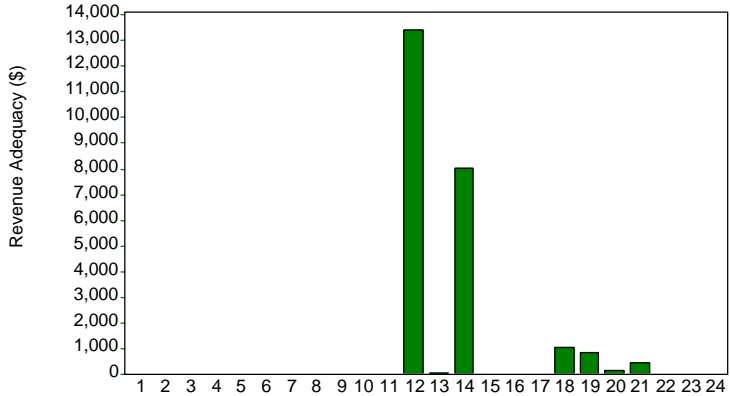
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	30DEC2018	Cumulative
CONGESTION RENT	\$35,514.91	\$31,751,405.56
CRR PAYMENT	\$11,524.12	\$29,739,280.92
PERFECT HEDGE	.	\$2,188,789.22
CLAW BACK	.	\$2,019.92
CRR ADEQUACY	\$23,990.79	\$-174,644.67
ADEQUACY RATIO	308.18%	99.45%
AUCTION REVENUES	.	\$10,446,912.24
BALANCE ACCOUNT	.	\$10,272,267.57

\*The cumulative cost of perfect hedge is between 01DEC2018 and 27DEC2018

\*The cumulative cost of claw back is between 01DEC2018 and 27DEC2018