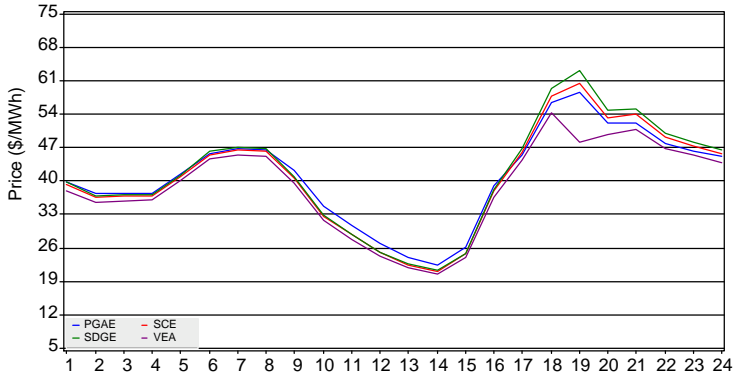


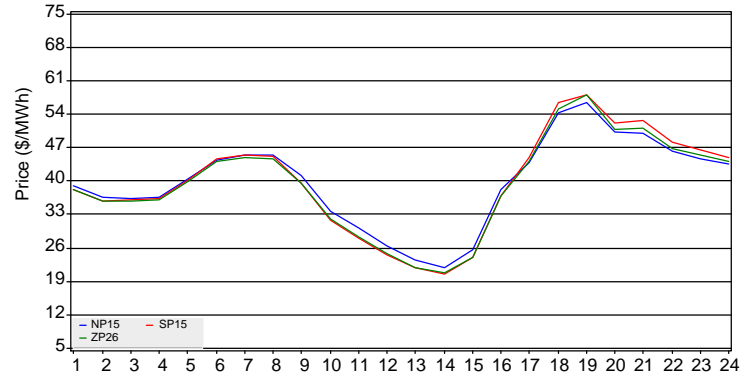
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

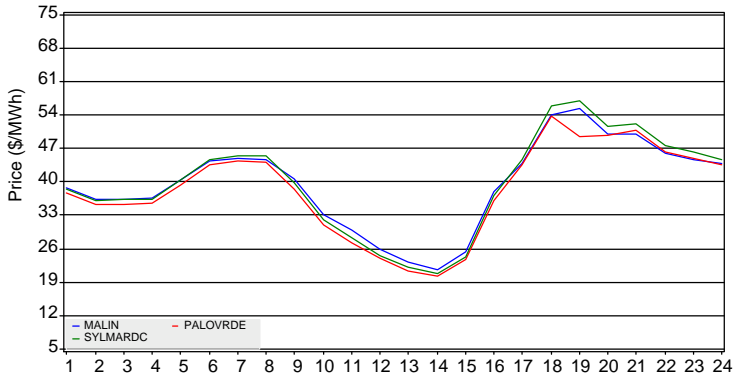
**IFM Default LAP LMPs**



**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>	44.75	40.24	36.45	46.43	40.35	35.88	45.35	39.85	35.72	46.32	41.34	37.32	47.41	41.16	36.62	48.16	41.62	37.00	45.48	39.92	35.53
<b>ON</b>	56.49	39.57	21.99	58.17	39.41	20.59	58.11	39.02	20.68	58.57	40.74	22.41	60.52	40.41	21.13	63.19	41.14	21.23	54.17	38.19	20.48

**Selected IFM Intertie Congestion Rents**

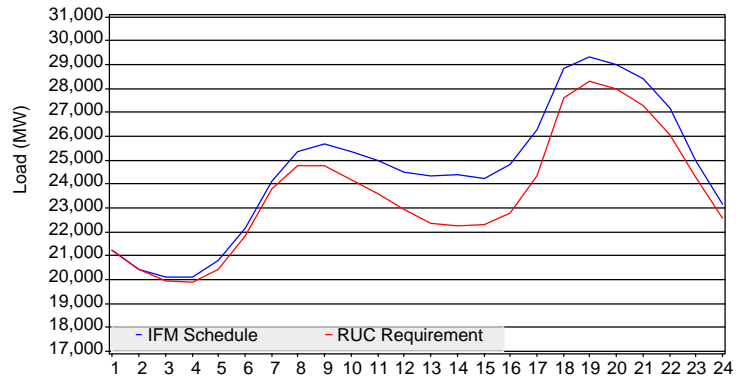
**No Intertie Congestion**

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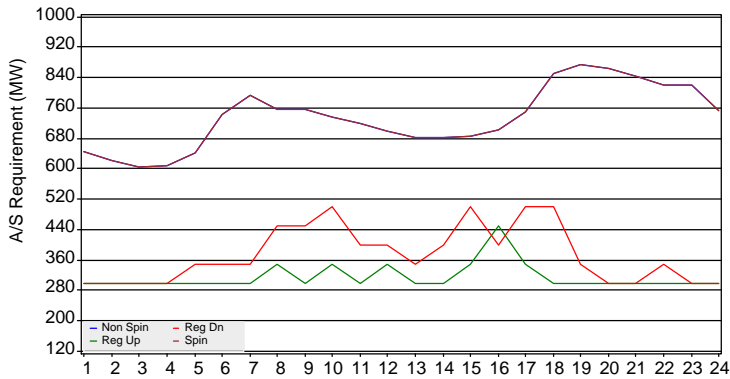
### RUC Cost to Underscheduled Load



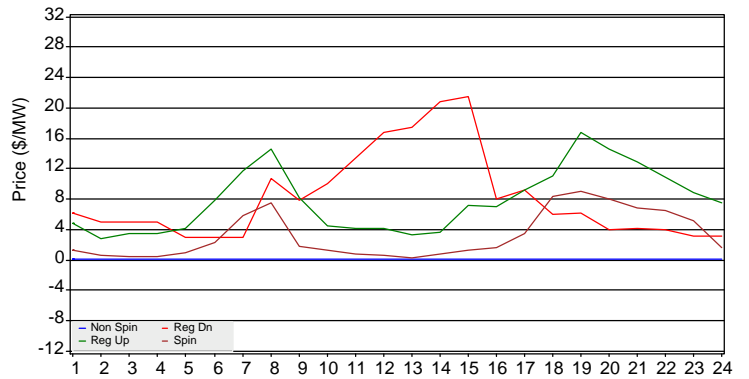
### IFM Cleared Quantity and RUC Requirement



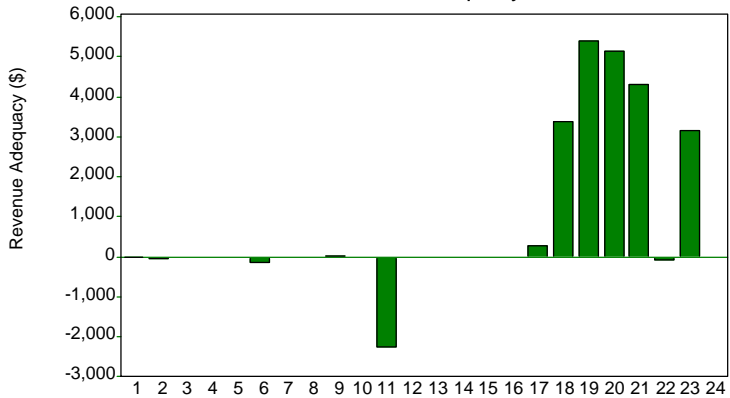
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	27DEC2018	Cumulative
CONGESTION RENT	\$82,719.78	\$31,222,265.96
CRR PAYMENT	\$63,684.00	\$29,307,875.91
PERFECT HEDGE	.	\$2,178,265.81
CLAW BACK	.	\$1,803.83
CRR ADEQUACY	\$19,035.78	\$-262,071.92
ADEQUACY RATIO	129.89%	99.16%
AUCTION REVENUES	.	\$10,446,912.24
BALANCE ACCOUNT	.	\$10,184,840.32

\*The cumulative cost of perfect hedge is between 01DEC2018 and 24DEC2018

\*The cumulative cost of claw back is between 01DEC2018 and 21DEC2018