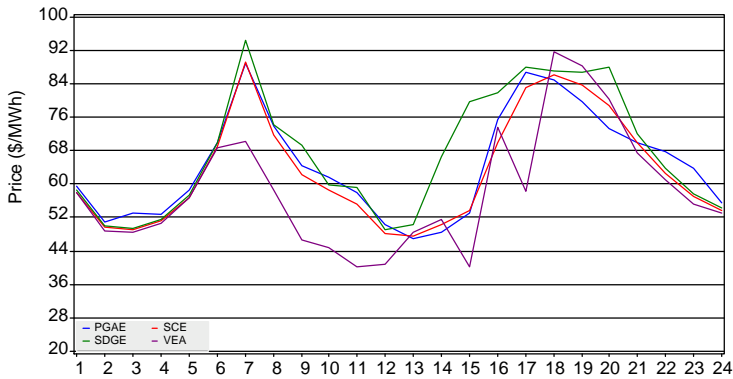


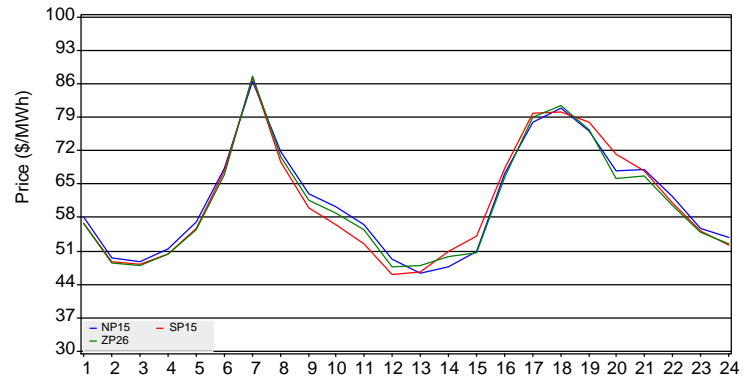
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

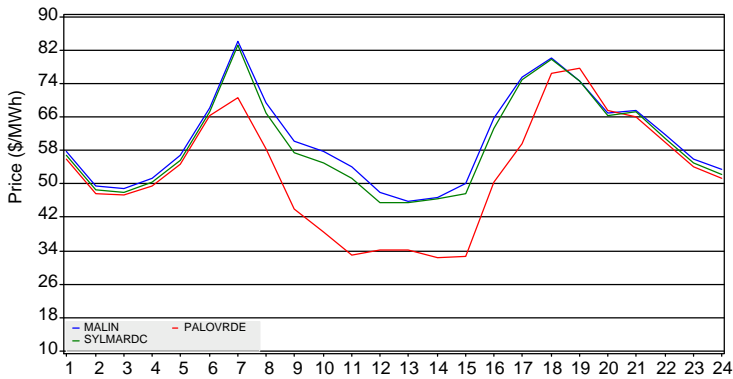
**IFM Default LAP LMPs**



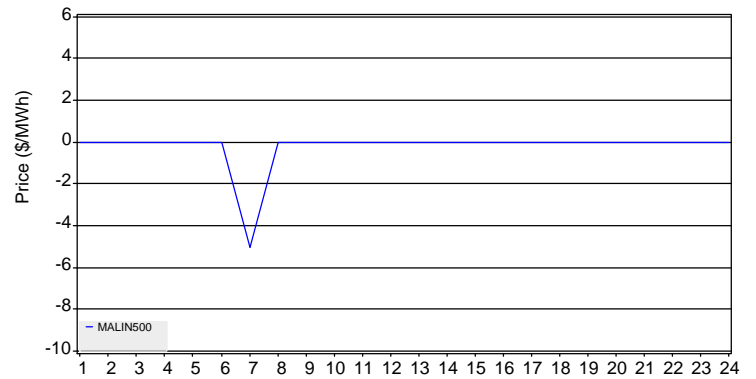
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



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

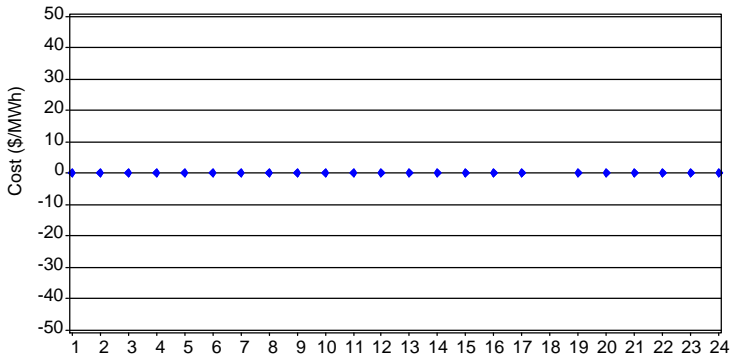
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	68.27	55.38	48.88	67.66	54.39	48.29	67.05	54.17	47.99	70.05	58.06	50.99	69.05	55.58	49.15	69.85	56.12	49.48	68.66	54.95	48.44
<b>ON</b>	86.58	64.53	46.25	87.27	64.39	45.94	87.68	64.20	47.73	88.81	67.68	46.85	89.19	66.93	47.62	94.45	73.11	49.08	91.68	60.09	40.16

**Selected IFM Intertie Congestion Rents**

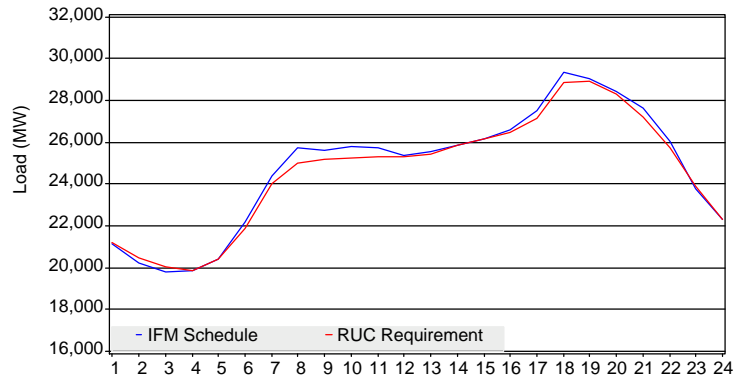
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
MALIN500	\$6,588.11	\$0.00	\$6,588.11	100.00%

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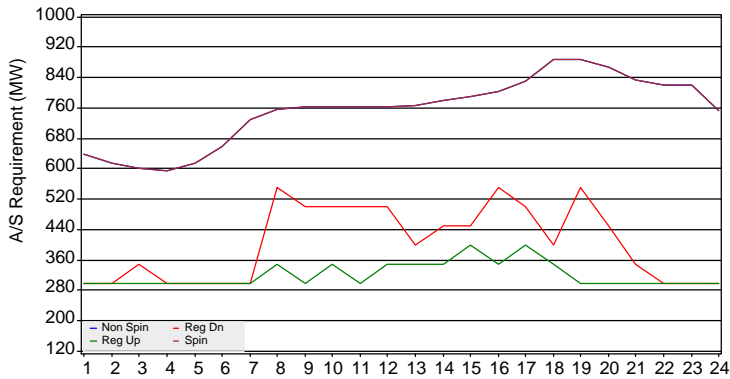
### RUC Cost to Underscheduled Load



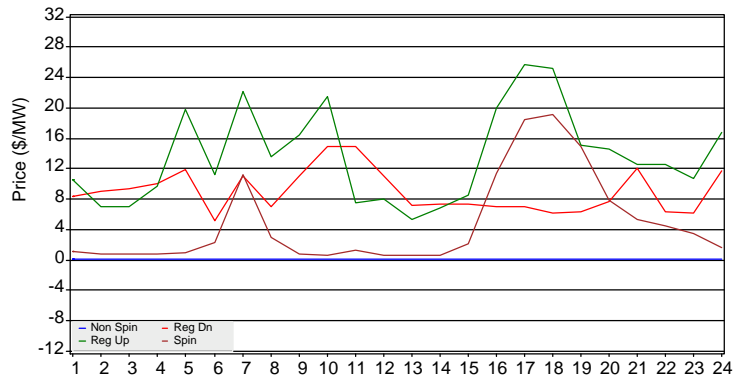
### IFM Cleared Quantity and RUC Requirement



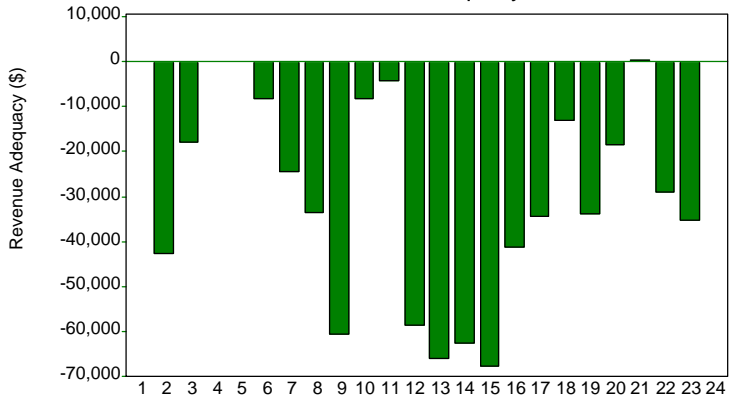
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	27NOV2018	Cumulative
CONGESTION RENT	\$1,644,805.45	\$30,889,524.85
CRR PAYMENT	\$2,303,806.87	\$39,808,334.32
PERFECT HEDGE	.	\$-179,452.90
CLAW BACK	.	\$66,038.36
CRR ADEQUACY	\$-659,001.42	\$-8,673,318.21
ADEQUACY RATIO	71.40%	77.95%
AUCTION REVENUES	.	\$7,753,511.72
BALANCE ACCOUNT	.	\$-919,806.49

\*The cumulative cost of perfect hedge is between 01NOV2018 and 21NOV2018

\*The cumulative cost of claw back is between 01NOV2018 and 20NOV2018