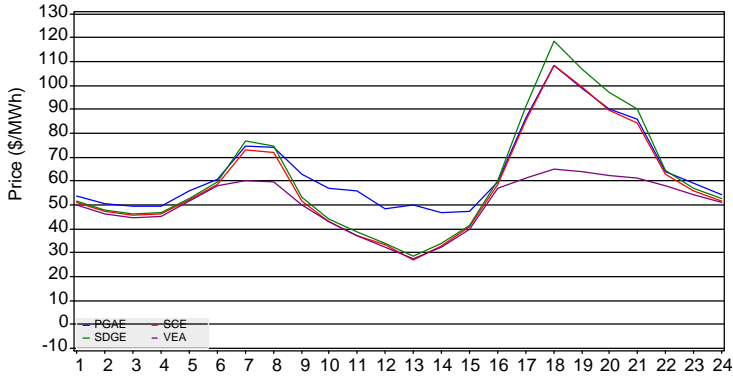


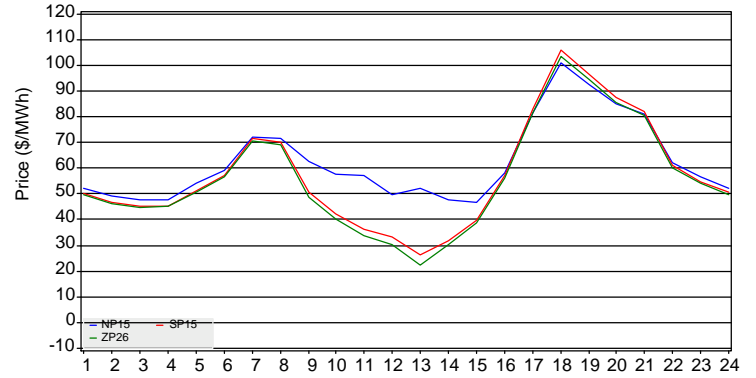
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

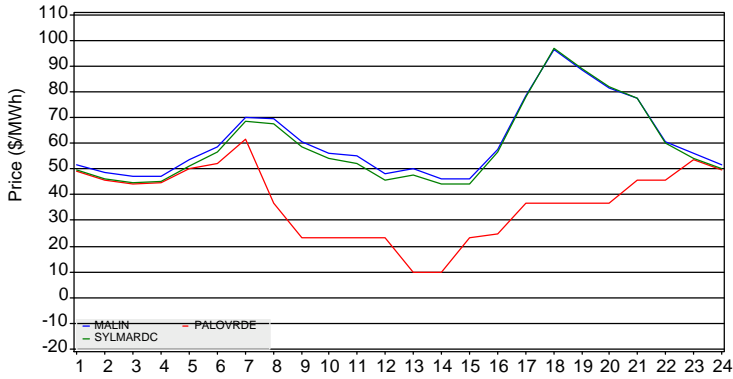
**IFM Default LAP LMPs**



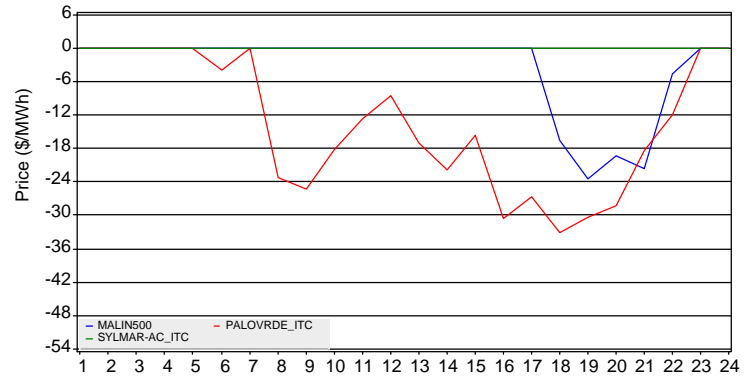
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



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

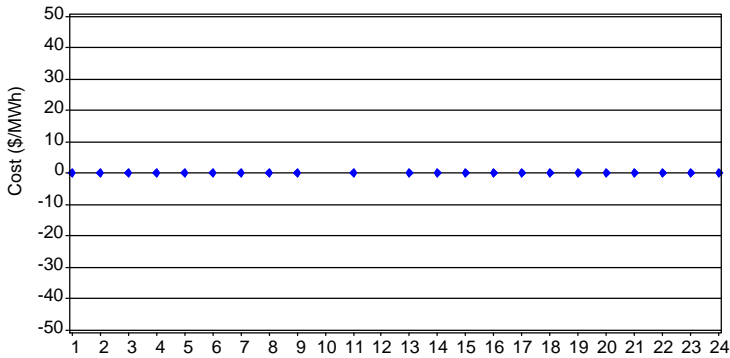
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	58.98	52.40	47.72	57.37	50.08	44.98	56.61	49.64	44.76	60.59	54.14	49.29	58.39	51.07	45.87	59.61	51.83	46.37	57.79	50.08	44.82
<b>ON</b>	101.13	67.47	46.93	105.68	61.01	26.51	103.62	59.12	22.40	108.44	69.42	46.63	108.55	62.46	27.11	118.33	65.88	28.70	64.79	50.66	27.59

**Selected IFM Intertie Congestion Rents**

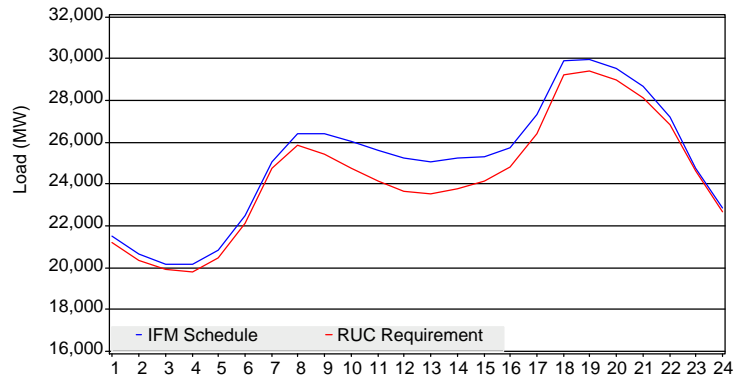
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
PALOVRDE_ITC	\$888,114.70	\$0.00	\$888,114.70	81.95%
MALIN500	\$195,615.46	\$0.00	\$195,615.46	18.05%
SYLMAR-AC_ITC	\$49.33	\$0.00	\$49.33	0.00%

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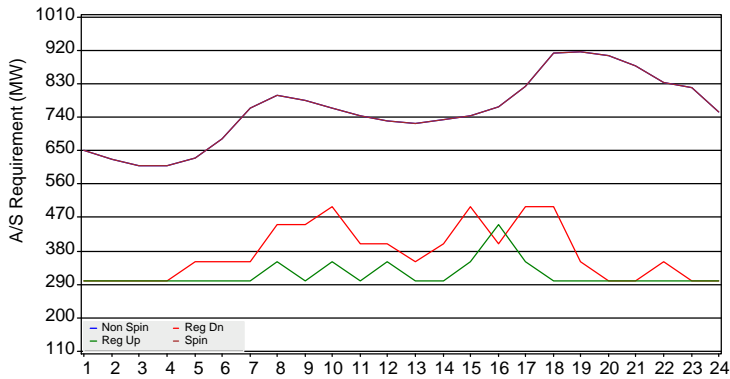
### RUC Cost to Underscheduled Load



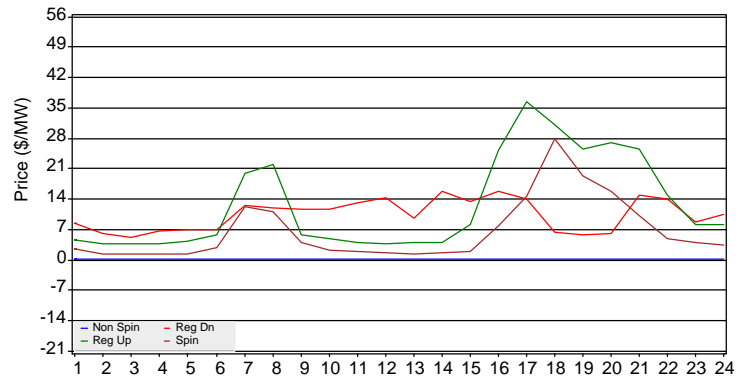
### IFM Cleared Quantity and RUC Requirement



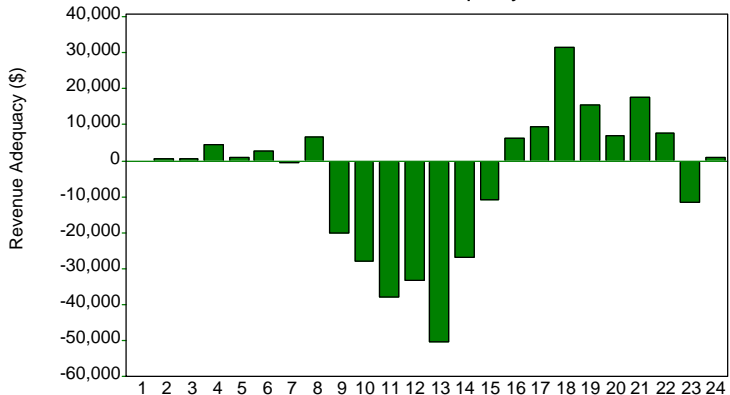
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	11DEC2018	Cumulative
CONGESTION RENT	\$2,156,479.03	\$21,605,069.93
CRR PAYMENT	\$2,264,346.96	\$19,761,877.33
PERFECT HEDGE	.	\$820,453.20
CLAW BACK	.	\$187.96
CRR ADEQUACY	-\$107,867.93	\$1,022,927.35
ADEQUACY RATIO	95.24%	104.97%
AUCTION REVENUES	.	\$10,446,912.24
BALANCE ACCOUNT	.	\$11,469,839.60

\*The cumulative cost of perfect hedge is between 01DEC2018 and 06DEC2018

\*The cumulative cost of claw back is between 01DEC2018 and 06DEC2018