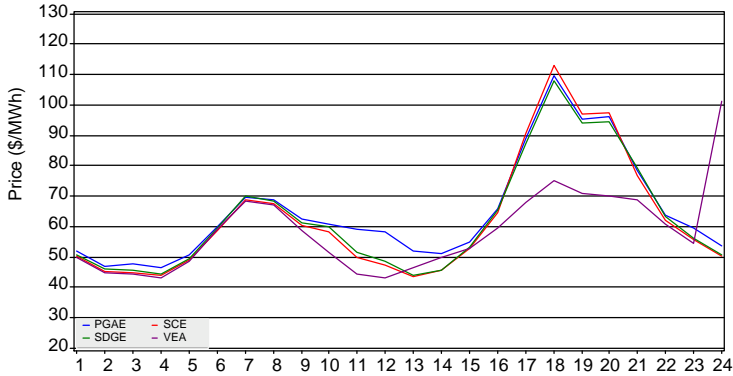


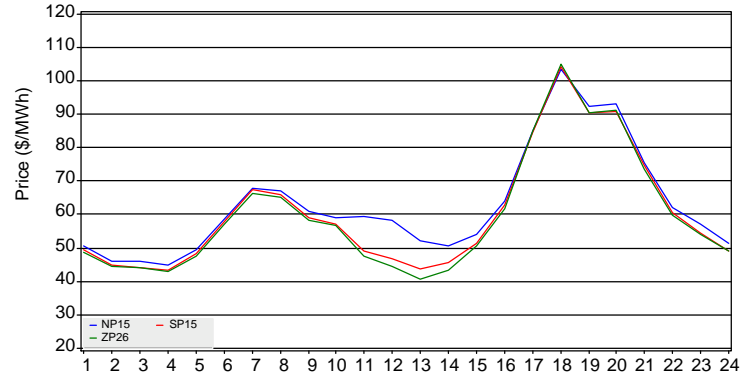
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

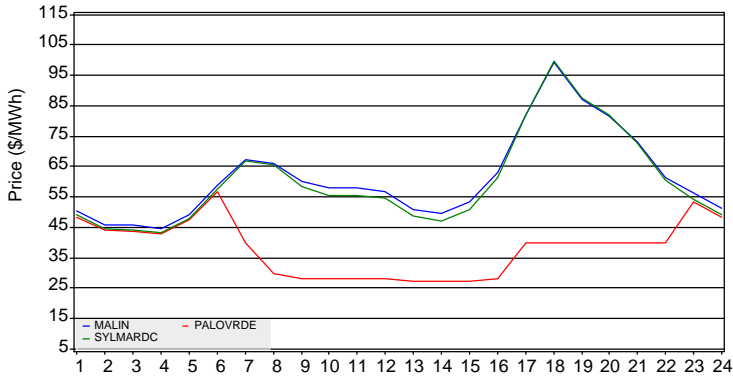
**IFM Default LAP LMPs**



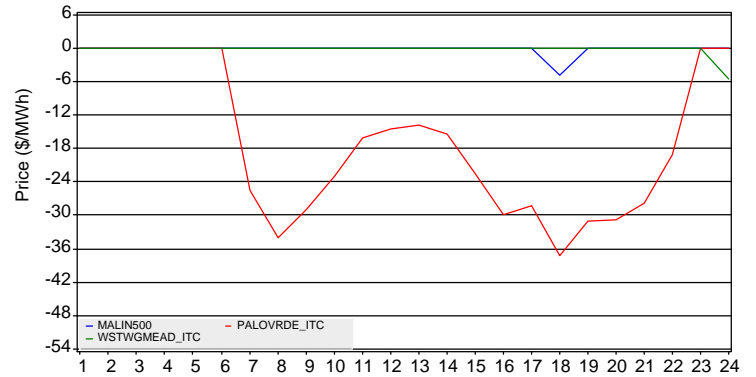
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



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

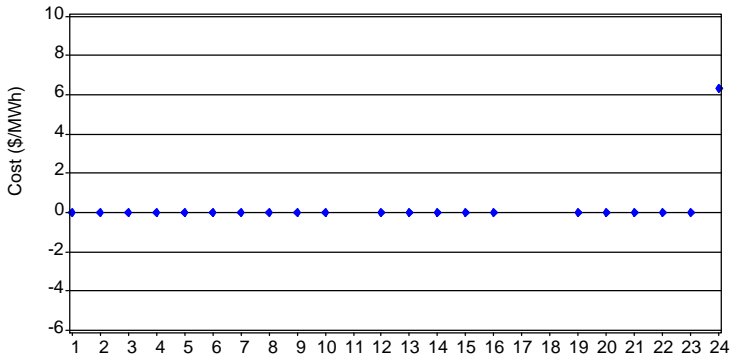
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	58.48	50.42	44.92	57.91	48.94	43.39	57.08	48.53	43.13	60.10	52.09	46.41	58.91	49.88	44.17	59.72	50.40	44.59	101.11	55.69	43.34
<b>ON</b>	103.54	69.02	50.47	104.06	65.85	43.72	104.87	64.97	40.78	109.50	70.98	50.96	113.20	68.49	43.69	108.01	68.41	43.86	75.30	59.75	43.25

**Selected IFM Intertie Congestion Rents**

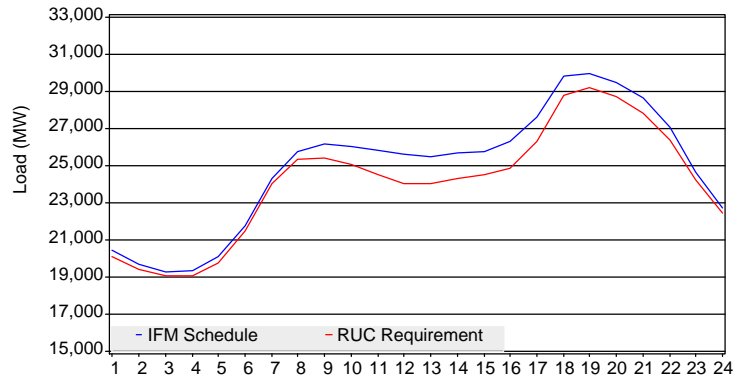
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
PALOVRDE_ITC	\$1,238,817.35	\$0.00	\$1,238,817.35	99.13%
MALIN500	\$10,007.36	\$0.00	\$10,007.36	0.80%
WSTWGMEAD_ITC	\$912.79	\$0.00	\$912.79	0.07%

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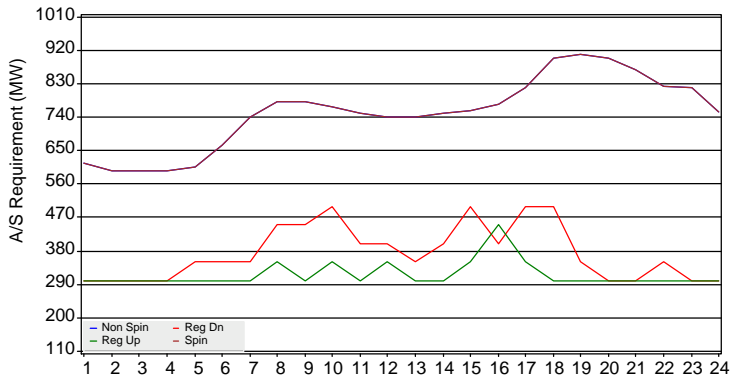
### RUC Cost to Underscheduled Load



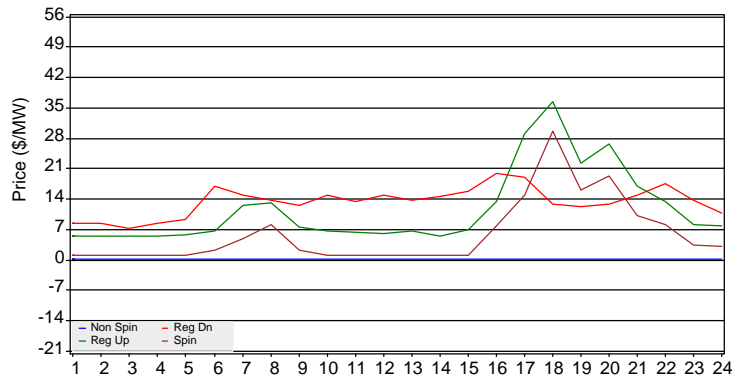
### IFM Cleared Quantity and RUC Requirement



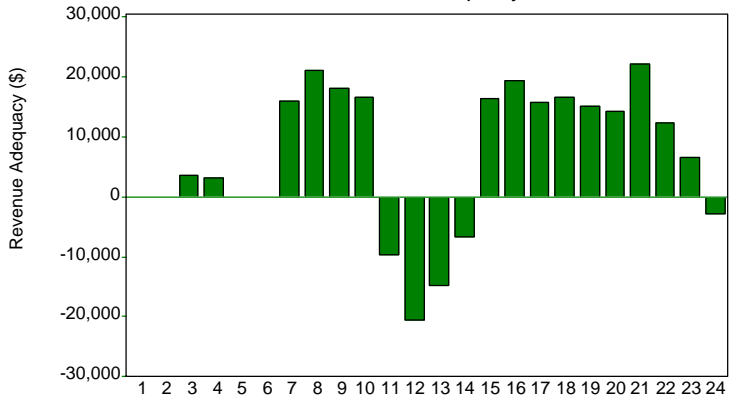
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	10DEC2018	Cumulative
CONGESTION RENT	\$2,247,810.84	\$19,448,590.89
CRR PAYMENT	\$2,086,499.69	\$17,497,530.37
PERFECT HEDGE	.	\$820,453.20
CLAW BACK	.	\$187.96
CRR ADEQUACY	\$161,311.15	\$1,130,795.28
ADEQUACY RATIO	107.73%	106.17%
AUCTION REVENUES	.	\$10,446,912.24
BALANCE ACCOUNT	.	\$11,577,707.52

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

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