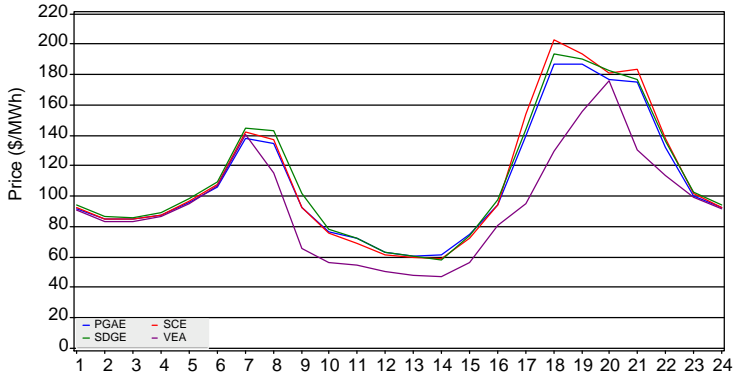


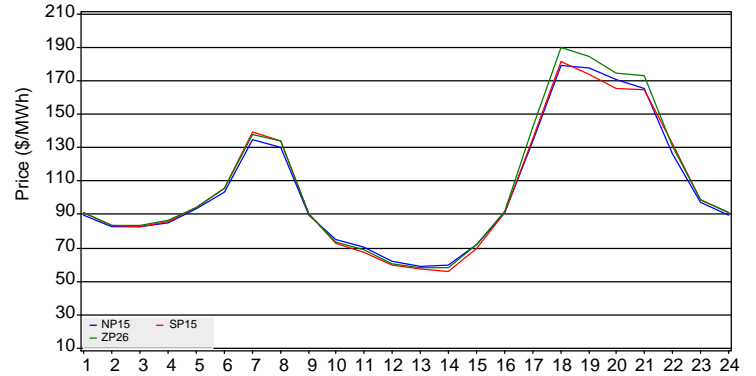
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

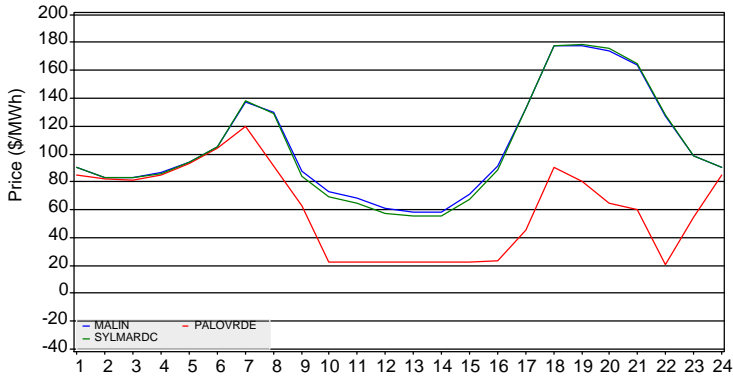
**IFM Default LAP LMPs**



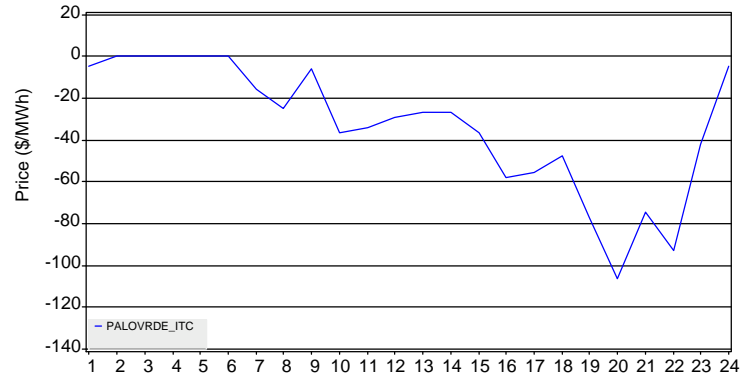
**IFM Trading Hub LMPs**



**Selected IFM Tie Point LMPs**



**Selected IFM Intertie Shadow Prices**



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

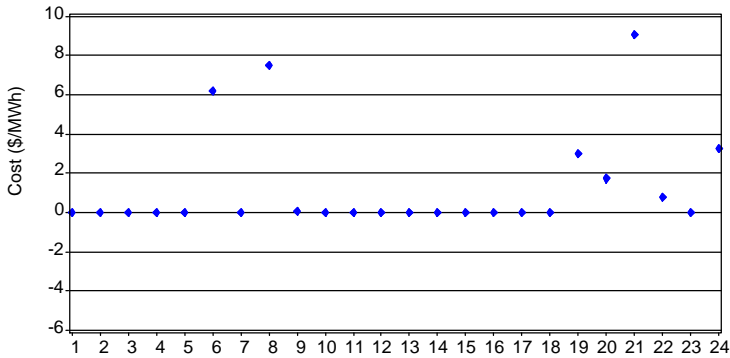
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
<b>OFF</b>	103.30	90.31	82.41	105.59	91.64	83.05	105.57	91.74	83.32	106.36	93.04	84.77	107.96	93.65	84.70	109.69	95.22	86.15	106.62	92.18	83.42
<b>ON</b>	178.84	112.29	59.25	181.12	111.95	56.02	189.56	114.97	57.87	187.14	116.73	60.73	203.34	119.79	59.29	193.28	119.89	57.98	176.26	94.79	47.12

**Selected IFM Intertie Congestion Rents**

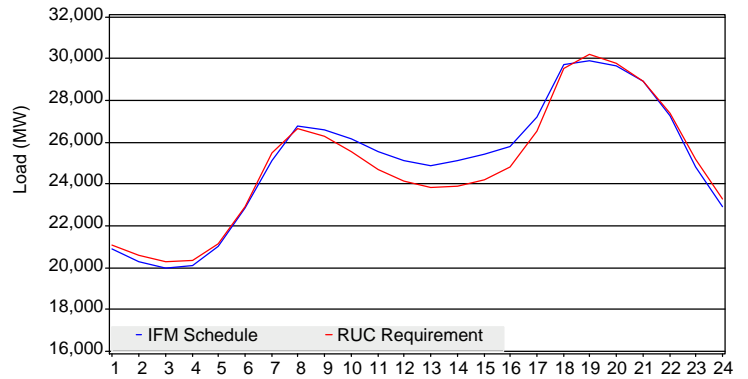
Inter-Tie	Import Rent	Export Rent	Total Rent	Total Rent Percent
PALOVRDE_ITC	\$2,490,160.57	\$0.00	\$2,490,160.57	100.00%

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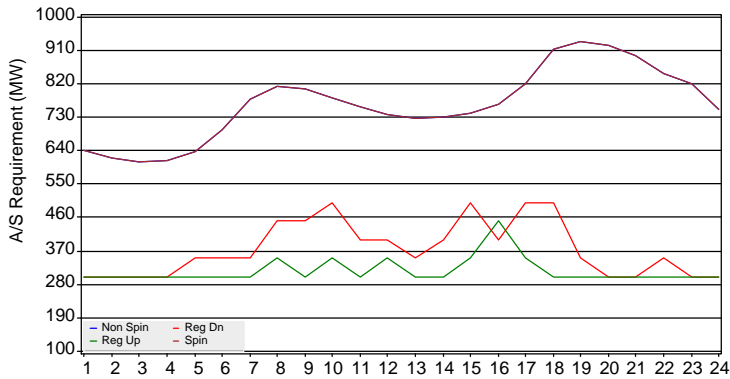
### RUC Cost to Underscheduled Load



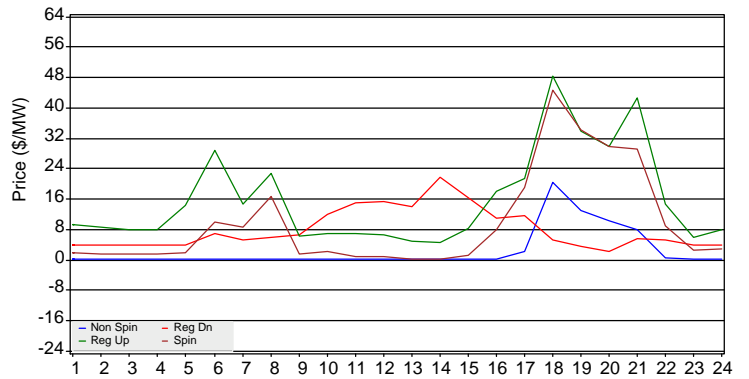
### IFM Cleared Quantity and RUC Requirement



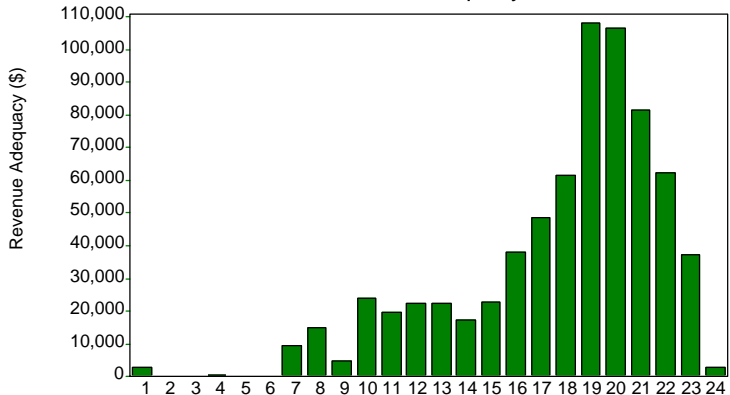
### A/S System Requirement



### A/S Average Price



### CRR Revenue Adequacy



### CRR Statistics

	03DEC2018	Cumulative
CONGESTION RENT	\$5,276,460.37	\$7,523,048.56
CRR PAYMENT	\$4,569,132.42	\$6,319,282.82
PERFECT HEDGE	.	\$0.00
CLAW BACK	.	\$0.00
CRR ADEQUACY	\$707,327.95	\$1,203,765.74
ADEQUACY RATIO	115.48%	119.05%
AUCTION REVENUES	.	\$10,446,912.24
BALANCE ACCOUNT	.	\$11,650,677.98

\*The cumulative cost of perfect hedge is between 01DEC2018 and 03DEC2018

\*The cumulative cost of claw back is between 01DEC2018 and 03DEC2018