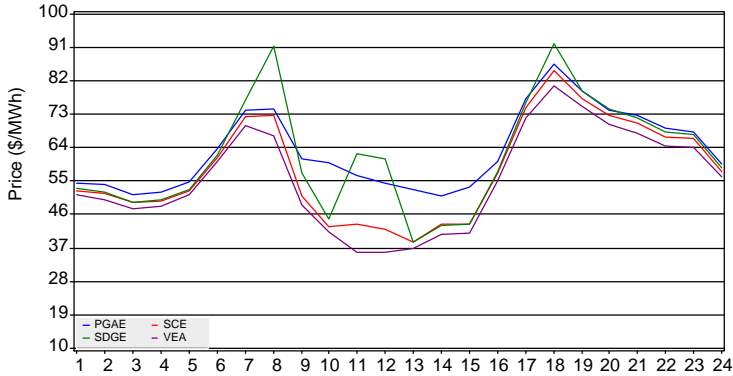


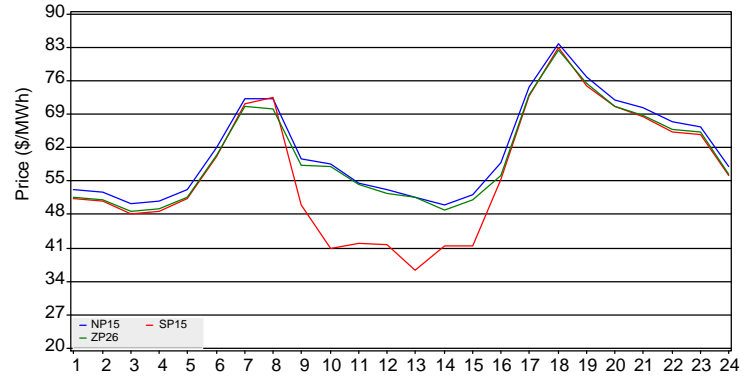
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(Note: An explanation of all metrics is available in the Day-Ahead Daily Market Watch Metric Catalog at <http://www.caiso.com/Documents/Day-AheadDailyMarketWatchMetricCatalog.pdf>)

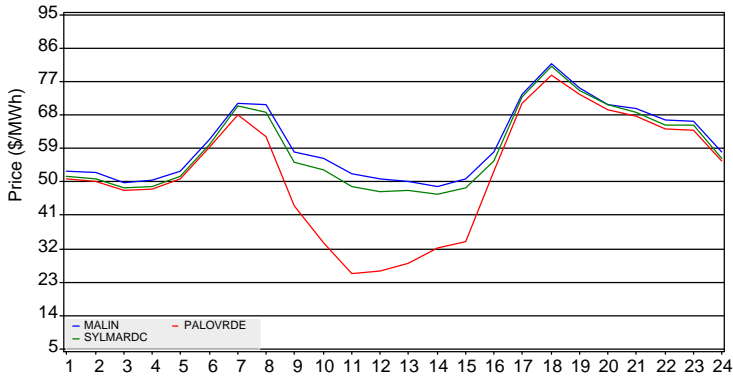
IFM Default LAP LMPs



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)

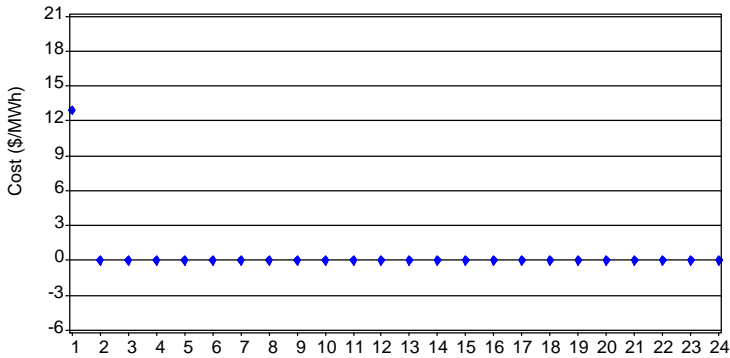
	NP15			SP15			ZP26			PG&E			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
OFF	66.30	55.79	50.14	64.79	53.94	48.21	65.15	54.23	48.56	68.27	57.23	51.37	66.52	55.12	49.16	67.39	55.62	49.37	63.92	53.62	47.66
ON	83.69	64.25	50.00	82.87	58.01	36.43	82.36	62.99	48.86	86.61	66.07	51.04	84.69	59.62	38.70	91.82	64.83	38.46	80.53	56.37	35.76

Selected IFM Intertie Congestion Rents

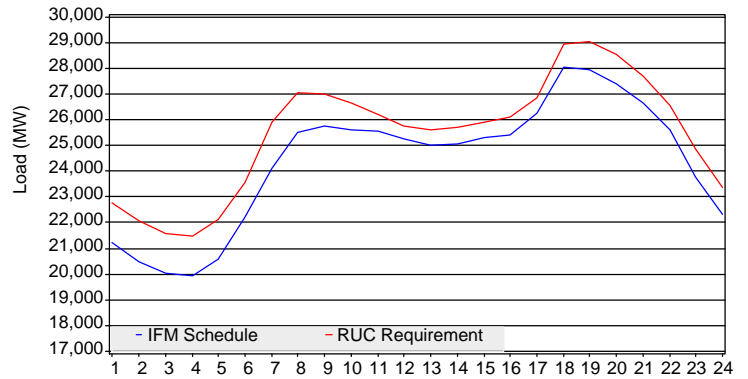
No Intertie Congestion

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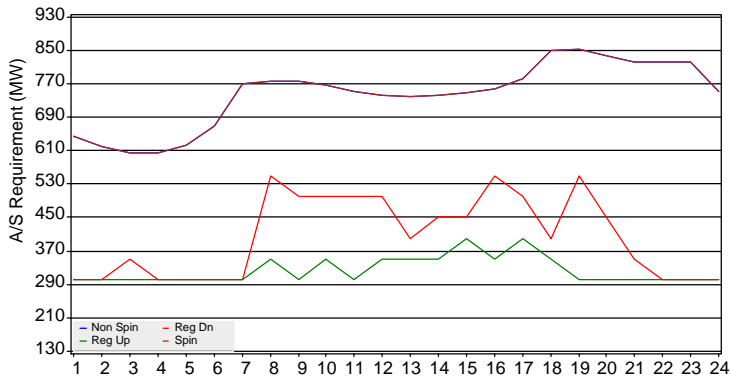
RUC Cost to Underscheduled Load



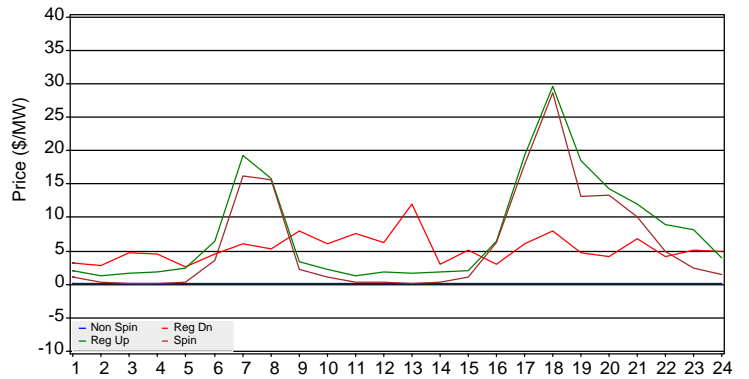
IFM Cleared Quantity and RUC Requirement



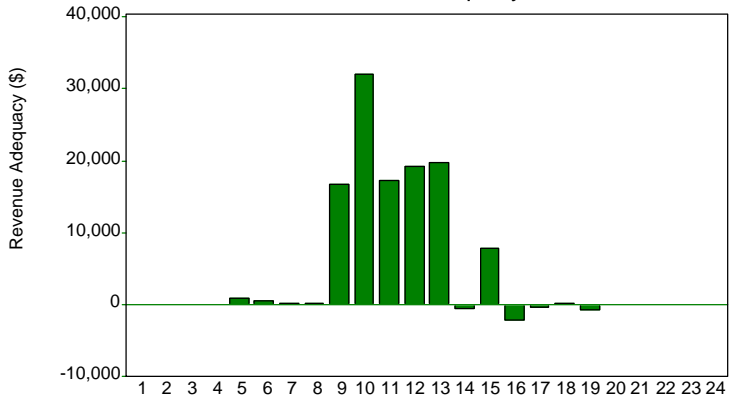
A/S System Requirement



A/S Average Price



CRR Revenue Adequacy



CRR Statistics

	30NOV2018	Cumulative
CONGESTION RENT	\$693,689.65	\$32,909,409.53
CRR PAYMENT	\$582,728.32	\$43,136,012.82
PERFECT HEDGE	.	\$-210,219.58
CLAW BACK	.	\$75,551.65
CRR ADEQUACY	\$110,961.33	\$-9,940,832.05
ADEQUACY RATIO	119.04%	76.67%
AUCTION REVENUES	.	\$7,753,511.72
BALANCE ACCOUNT	.	\$-2,187,320.33

*The cumulative cost of perfect hedge is between 01NOV2018 and 27NOV2018

*The cumulative cost of claw back is between 01NOV2018 and 27NOV2018