

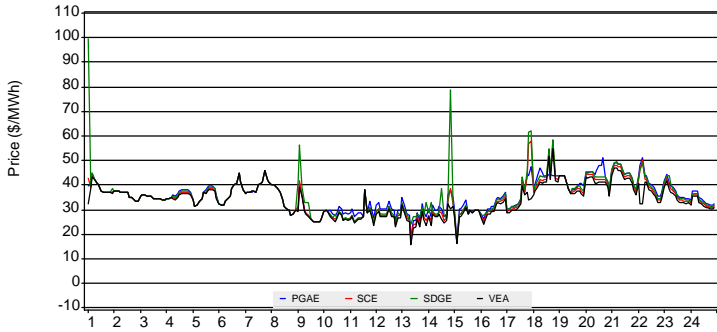
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Real-Time Daily Market Watch

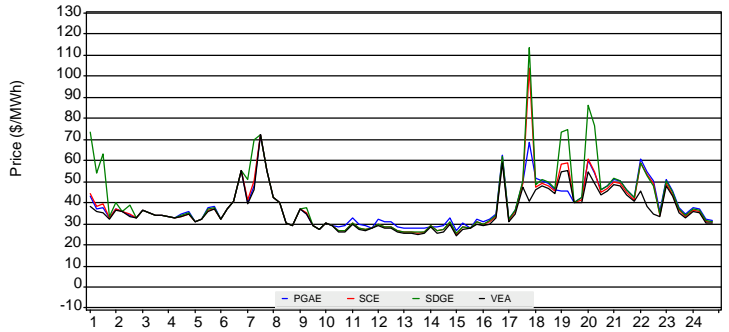
For Operating Day of Thursday, Dec 20, 2018

(Note: An explanation of all metrics is available in the Real-Time Daily Market Watch Metric Catalog at <http://www.caiso.com/2426/2426bf61d950.html>)

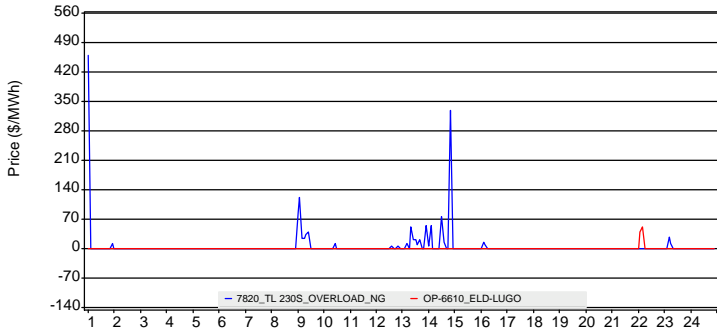
RTD Default LAP LMPs



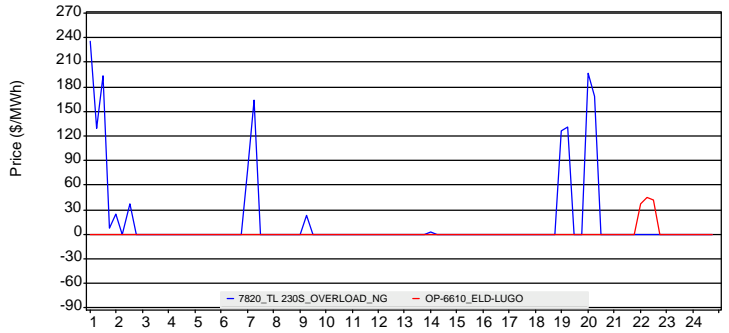
FMM Default LAP LMPs



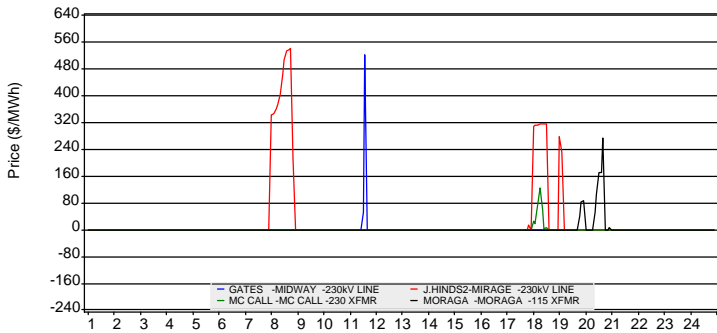
Selected RTD Nomogram Shadow Prices



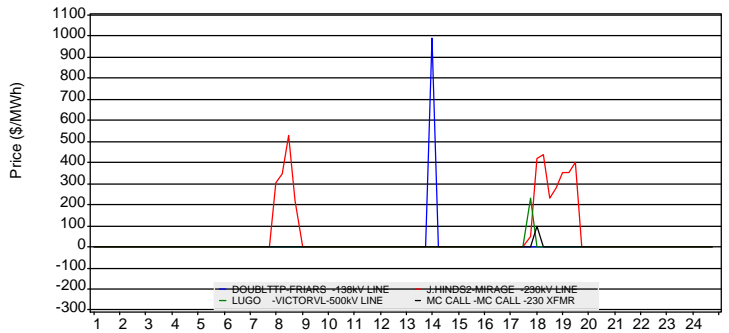
Selected FMM Nomogram Shadow Prices



Selected RTD Transmission Line and Transformer Shadow Prices



Selected FMM Transmission Line and Transformer Shadow Prices



Selected RTD Transmission Corridor Shadow Prices

No Constraint is Binding

Selected FMM Transmission Corridor Shadow Prices

No Constraint is Binding

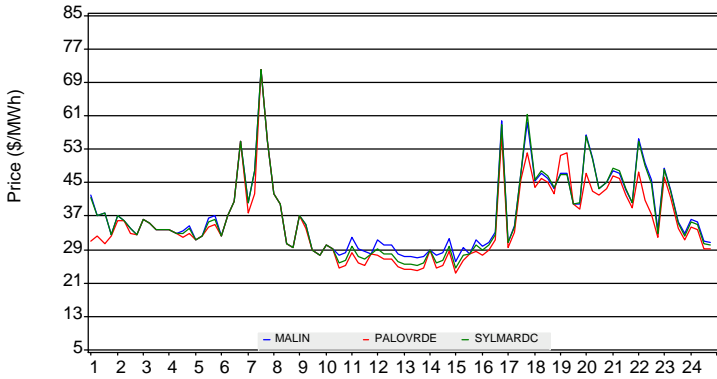
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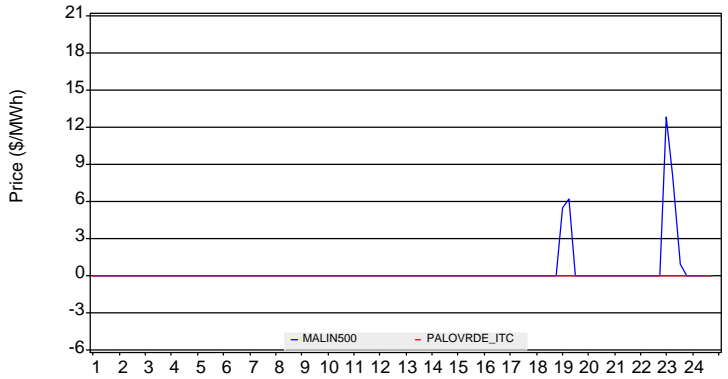
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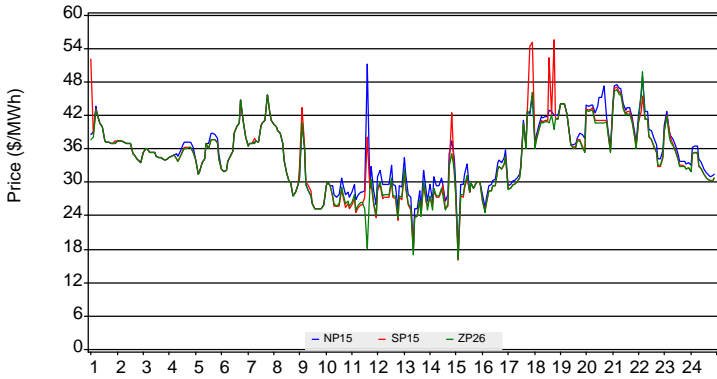
FMM Tie LMPs



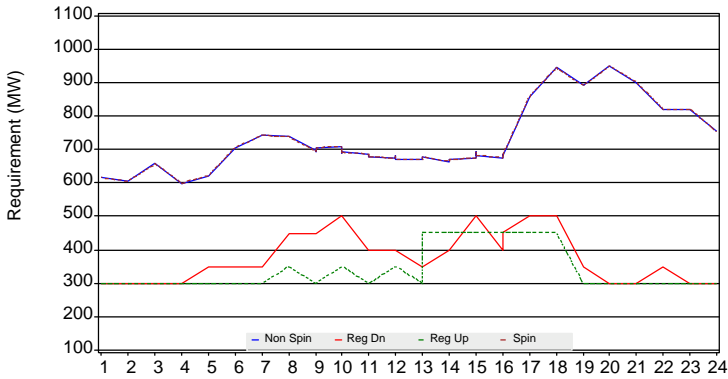
FMM Selected Tie point Shadow Prices



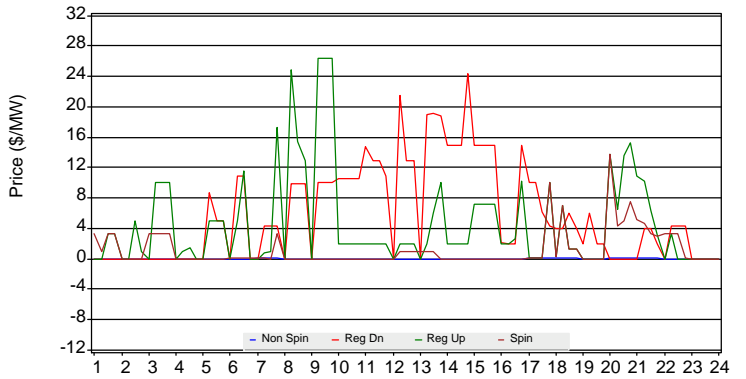
RTD Trading Hub LMPs



A/S Requirements



Average A/S Price



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

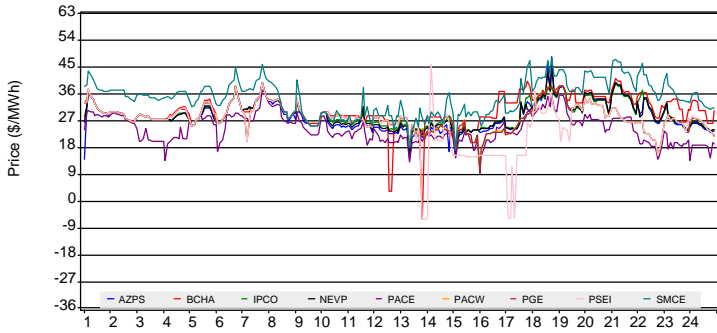
	NP15			SP15			ZP26			PGAE			SCE			SDGE			VEA		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
OFF	44.78	36.03	31.06	52.14	35.81	30.25	44.78	35.60	30.22	44.96	36.51	31.51	44.78	36.03	30.93	99.45	36.96	31.42	44.78	35.68	30.41
ON	51.10	34.50	17.30	55.63	33.68	16.04	49.80	33.29	16.26	51.34	35.25	17.66	57.82	34.27	16.46	78.52	35.42	16.62	54.62	33.08	16.01

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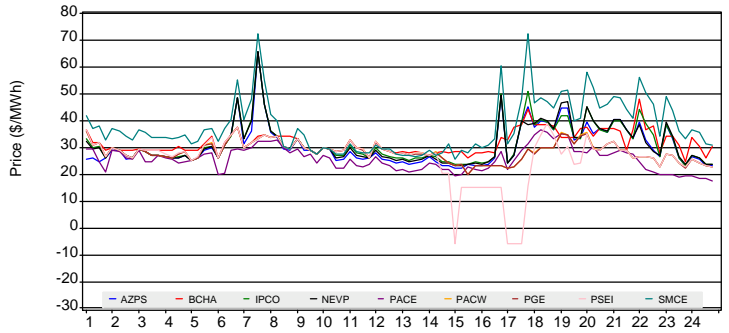
Real-Time Daily Market Watch

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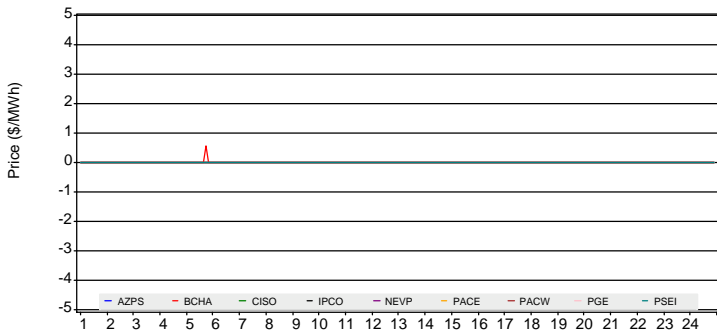
RTD ELAP LMPs and System Energy Prices



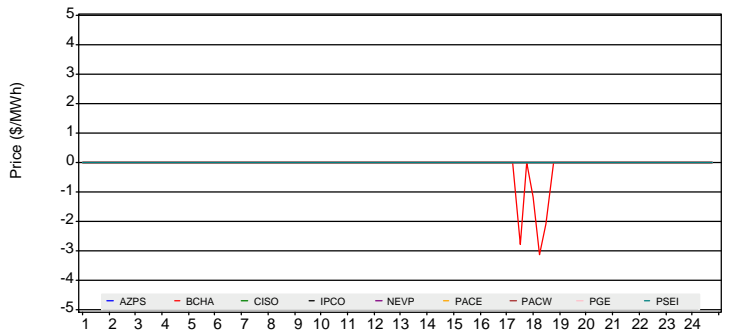
FMM ELAP LMPs and System Energy Prices



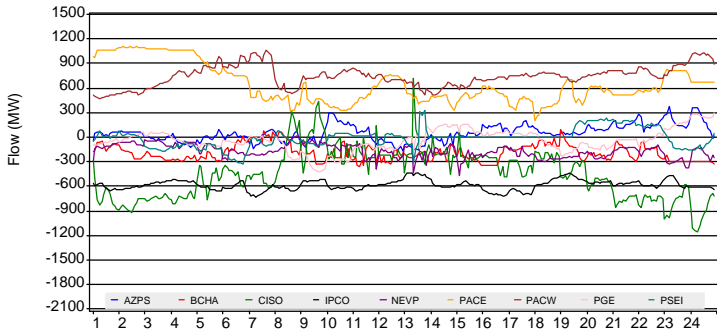
RTD EIM Transfer Limit Shadow Price



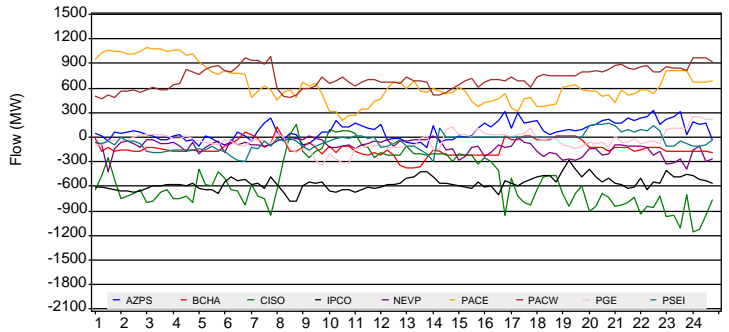
FMM EIM Transfer Limit Shadow Price



RTD EIM Transfer Flow



FMM EIM Transfer Flow



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

	PACE			PACW			NEVP			AZPS			PSEI		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
OFF	30.35	23.60	13.46	38.60	28.80	21.98	38.60	28.56	23.55	38.60	28.25	13.89	38.60	28.90	21.98
ON	37.37	24.50	9.10	39.63	27.65	10.20	45.59	29.03	16.10	48.35	28.52	14.24	45.68	24.88	-6.02

	PGE			BCHA			IPCO		
	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min
OFF	38.60	28.77	21.93	38.60	30.20	25.33	38.60	28.57	23.60
ON	39.63	27.60	10.17	41.20	30.69	-6.04	39.63	29.24	16.54