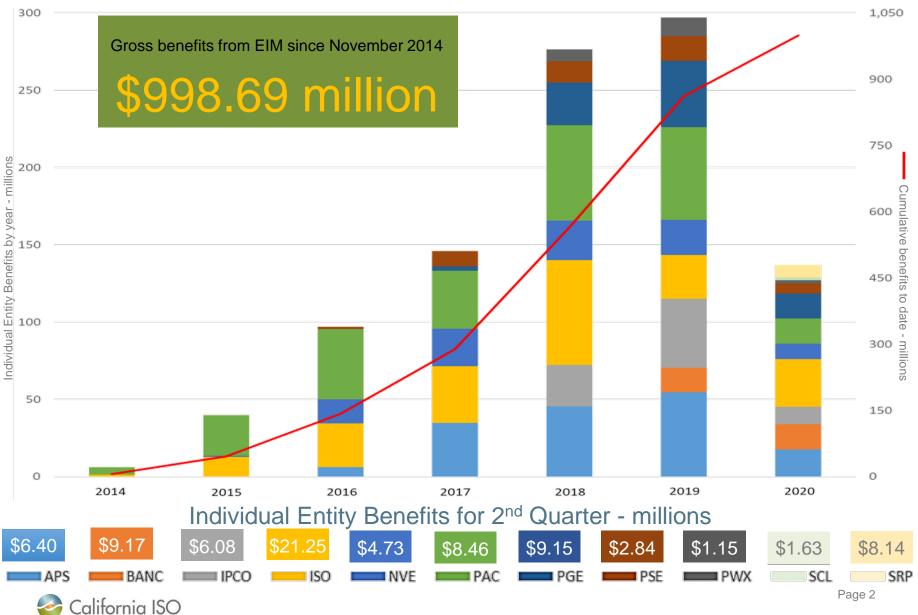


Update on western energy imbalance market and benefits

Mark Rothleder Vice President, Market Policy & Performance

Board of Governors General Session October 1, 2020

\$79 million gross economic benefits – 2020 2nd Qtr.

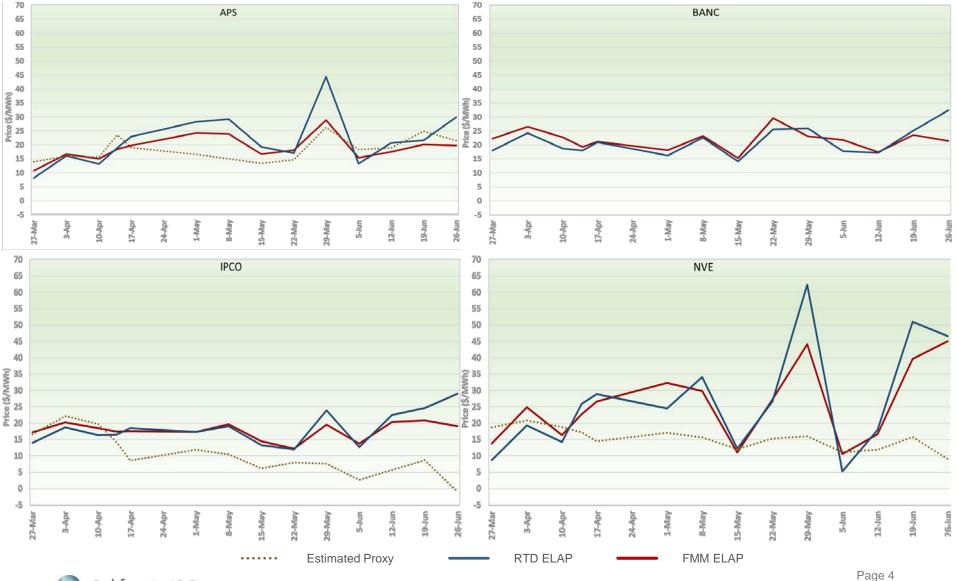


Flexible ramping procurement diversity savings for 2nd Quarter, 2020

	January		February		March	
Direction	Up	Down	Up	Down	Up	Down
Average MW saving	961	945	966	999	953	988
Sum of BAA requirements	1,983	1,998	1,957	1,990	2,050	1, 840
Diversity Benefit	48%	47%	49%	50%	47%	54%
Estimated Savings	\$3,849	\$7,963	\$16,169	\$47,856	\$32,170	\$91,041

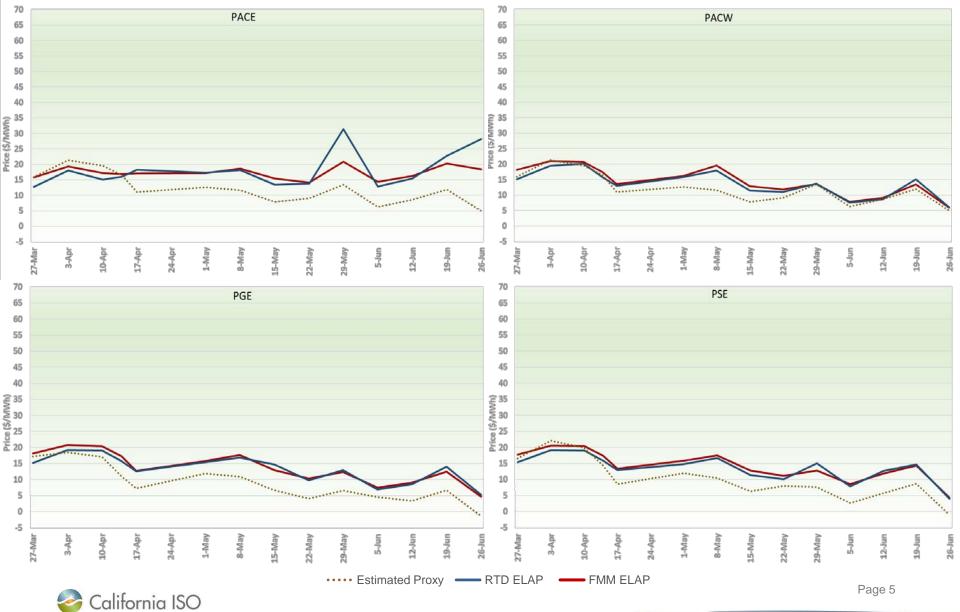


Weekly average prices in EIM areas

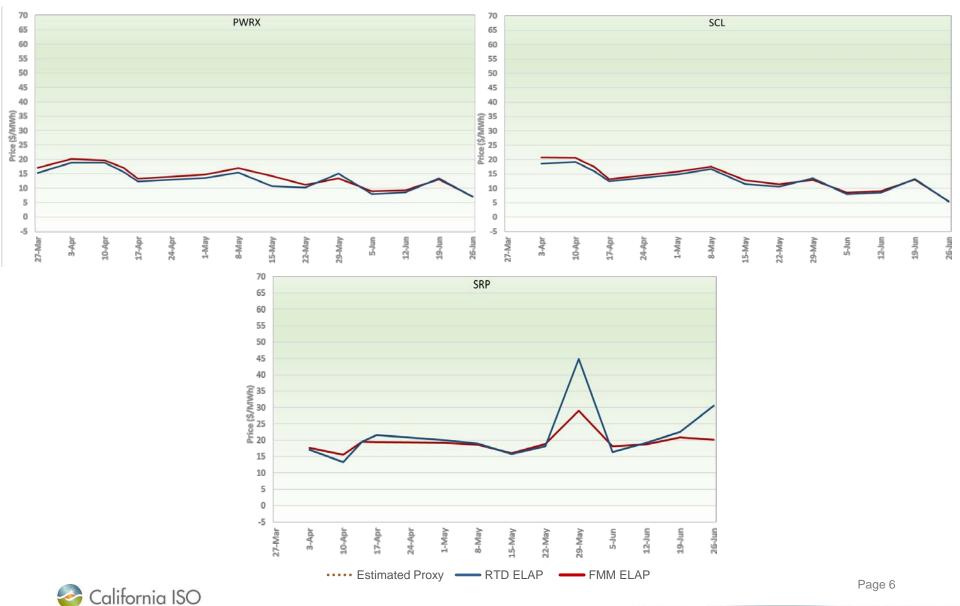




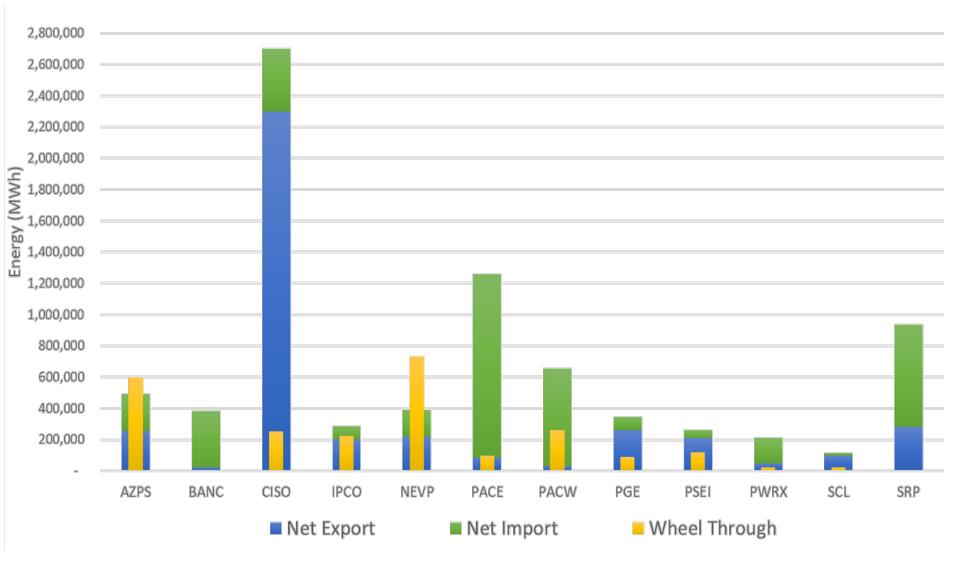
Weekly average prices in EIM areas



Weekly average prices in EIM areas

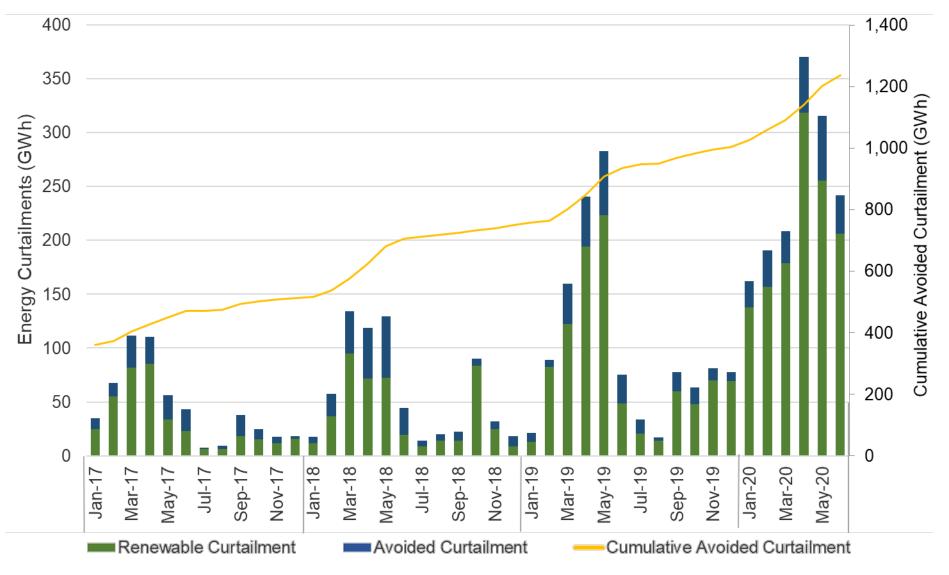


Estimated wheel through transfers in Q2, 2020

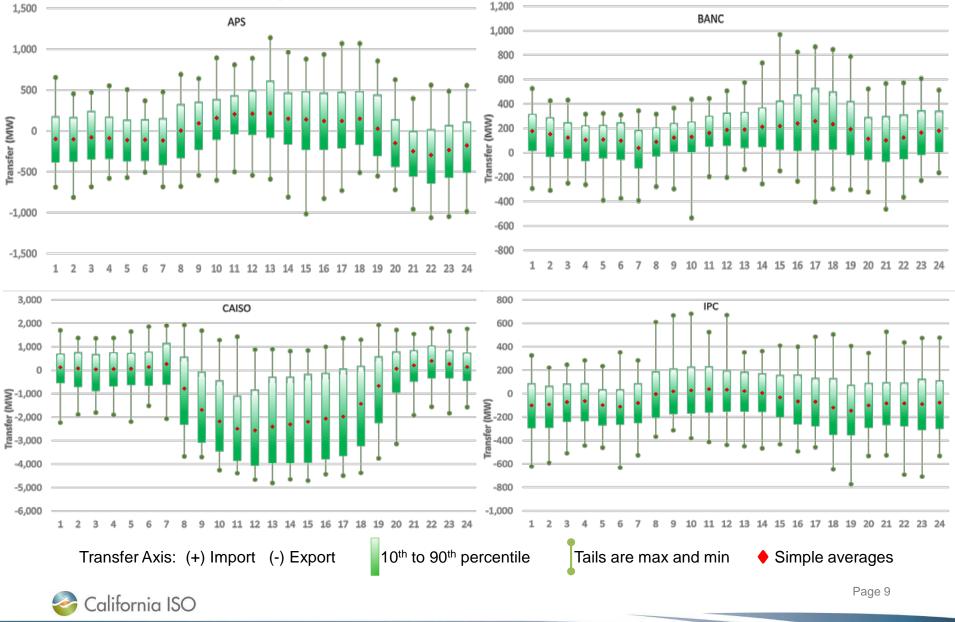




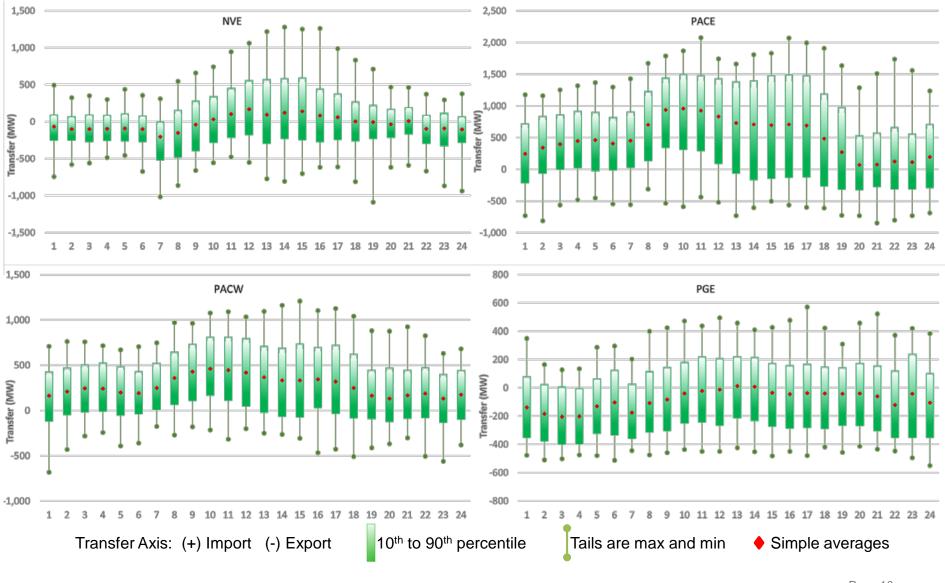
Energy imbalance market helps avoid curtailment



Robust energy transfers in 2nd quarter, 2020



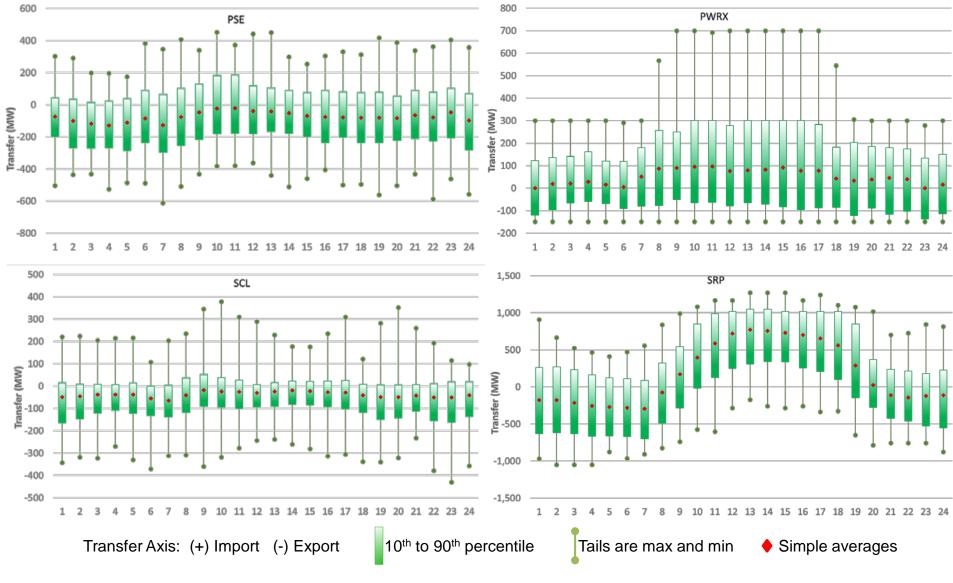
Robust energy transfers in 2nd quarter, 2020



California ISO

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Robust energy transfers in 2nd quarter, 2020



California ISO

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