

WESTERN ENERGY IMBALANCE MARKET

Briefing on western energy imbalance market and benefits

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Vice President, Market Policy & Performance

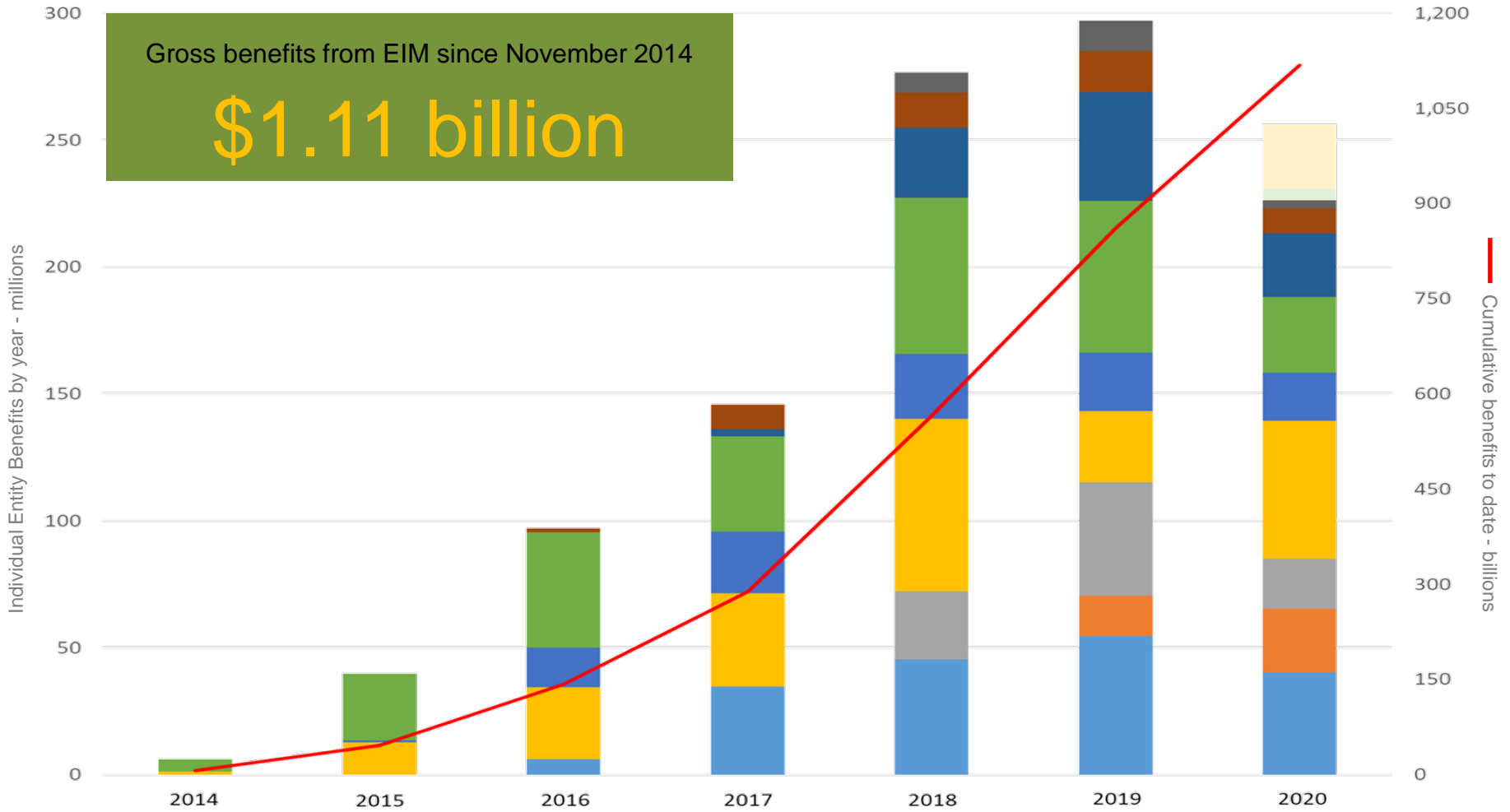
EIM Governing Body Meeting

General Session

November 4, 2020



\$119.32 million gross economic benefits – 2020 3rd Qtr.



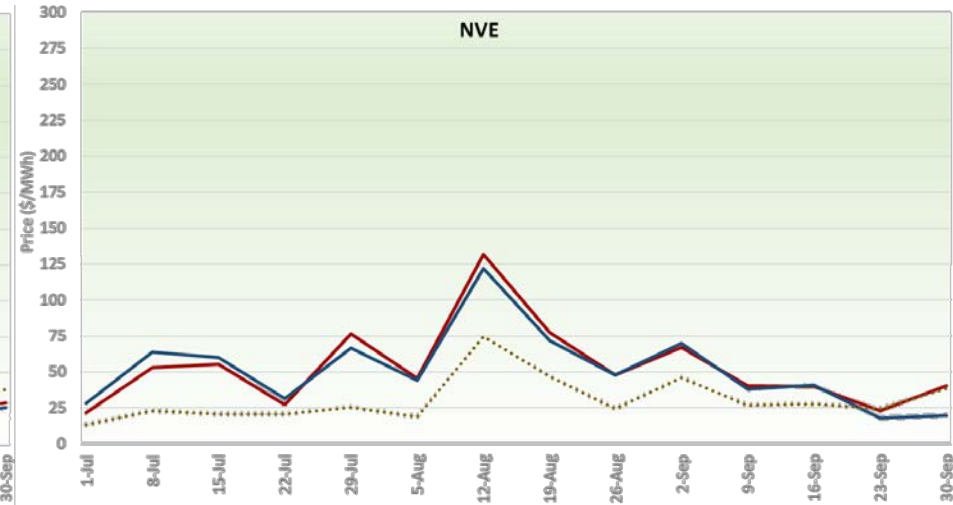
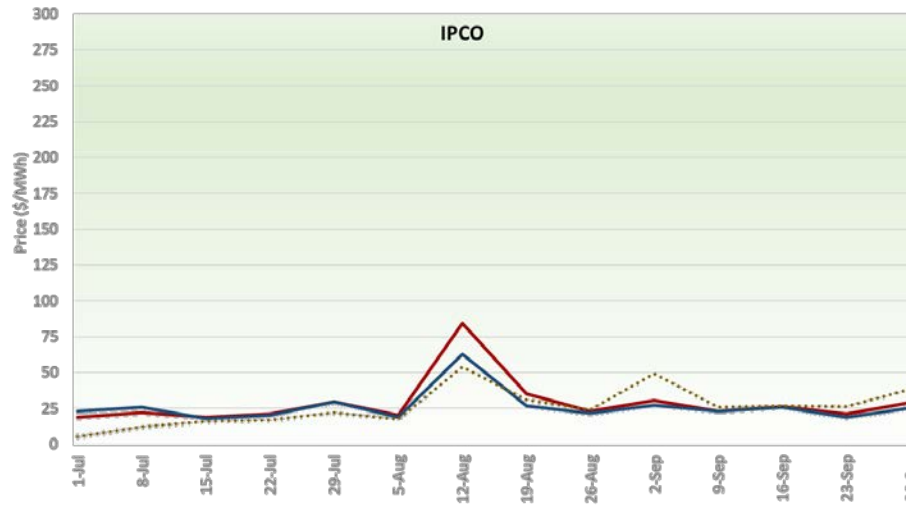
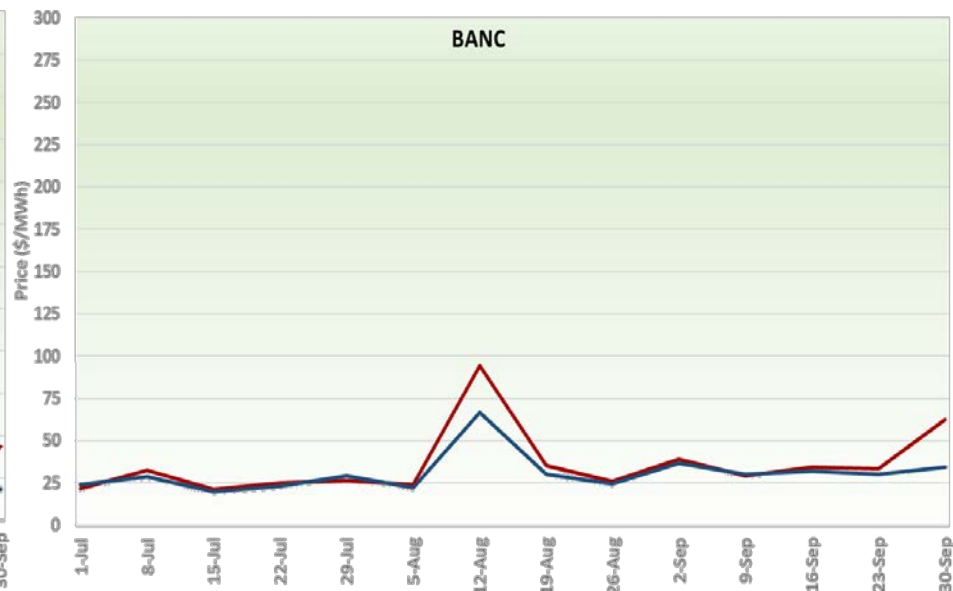
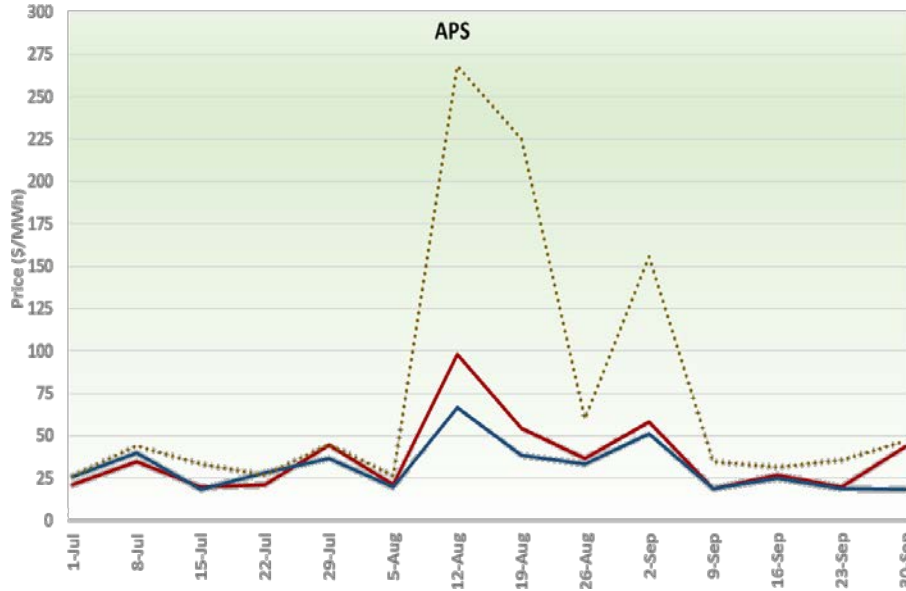
Individual Entity Benefits for 3rd Quarter - millions



Flexible ramping procurement diversity savings for 3rd Quarter, 2020

	July		August		September	
Direction	Up	Down	Up	Down	Up	Down
Average MW saving	925	969	906	959	924	957
Sum of BAA requirements	2,057	1,757	2,041	1,698	2,246	1,702
Diversity Benefit	45%	55%	44%	56%	41%	56%
Estimated Savings	\$204,990	\$0	\$611,385	\$1,741	\$262,923	\$0

Weekly average prices in EIM areas

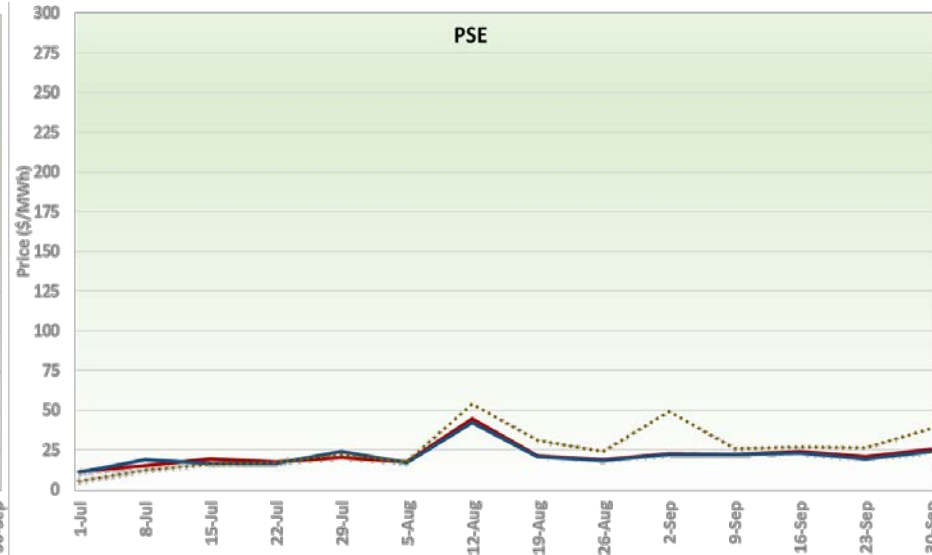
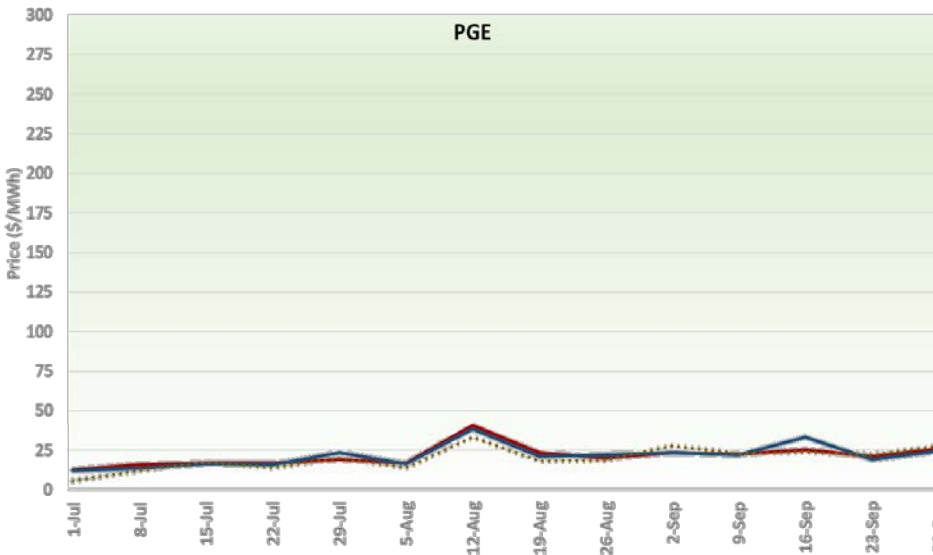
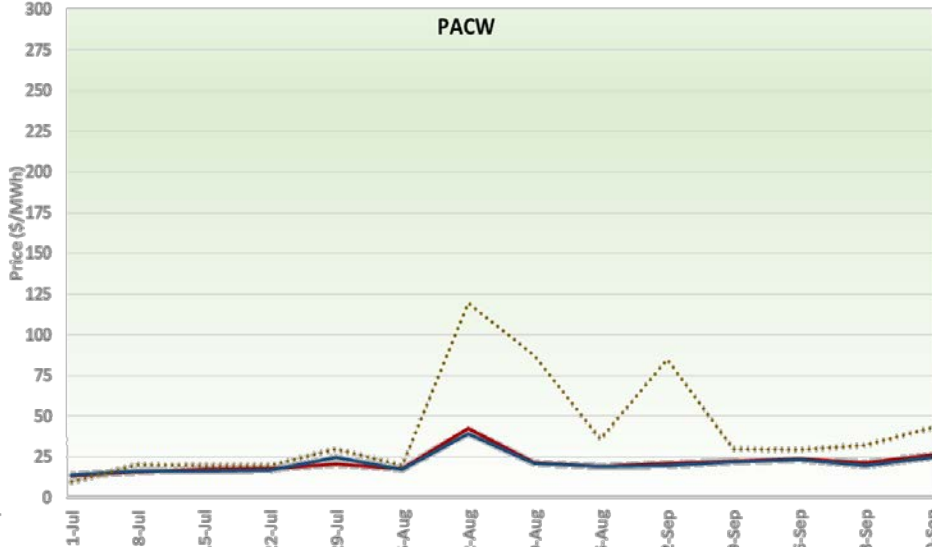
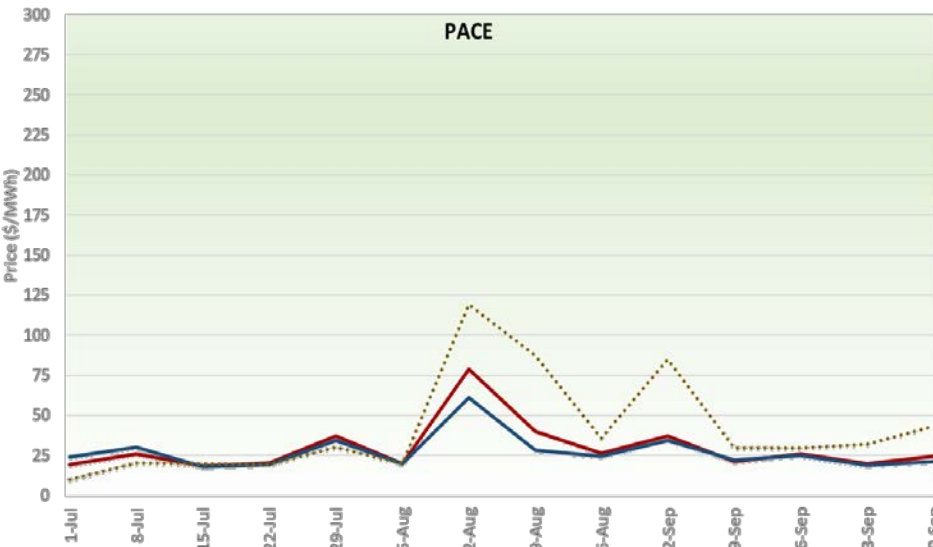


..... Estimated Proxy

— RTD ELAP

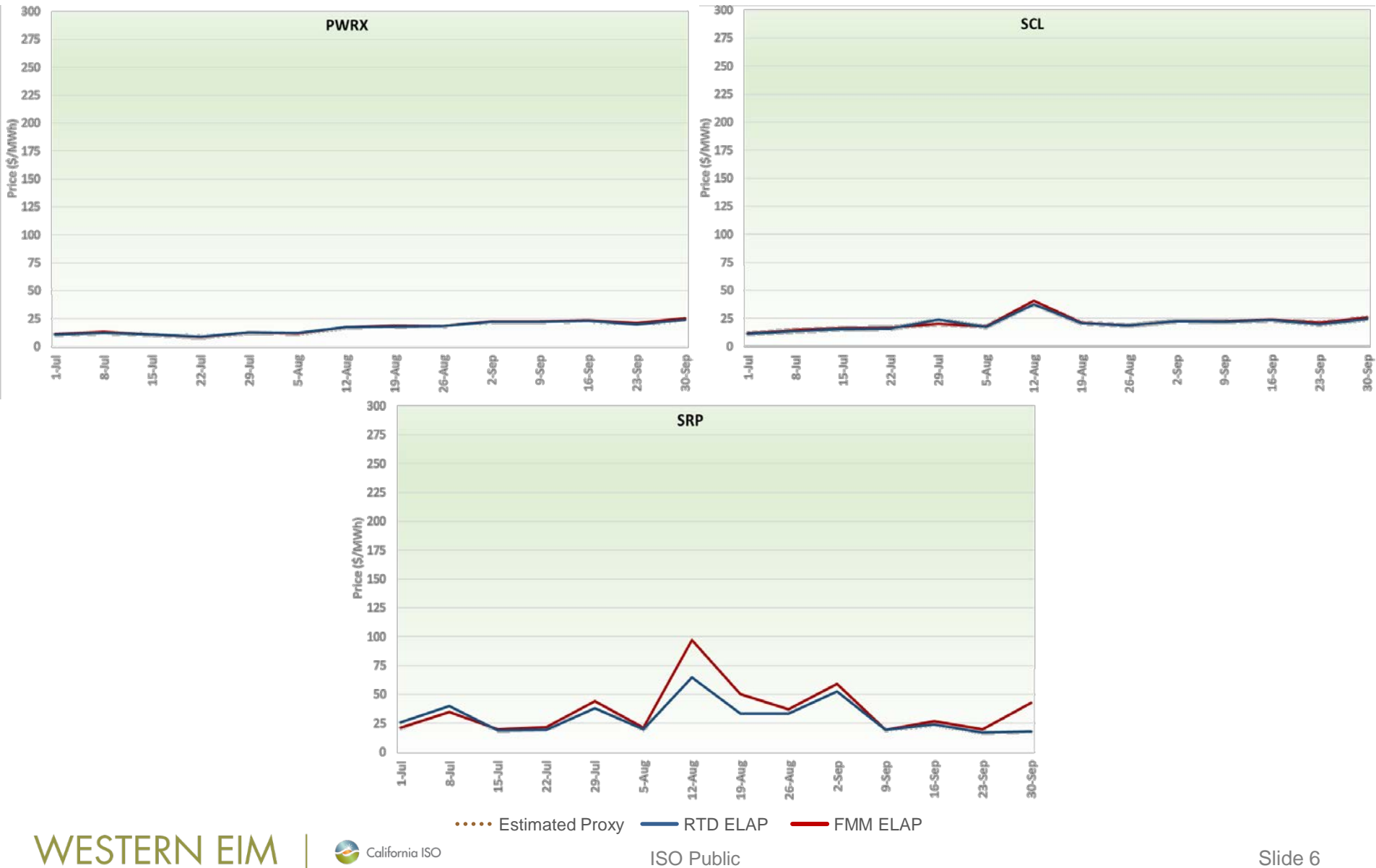
— FMM ELAP

Weekly average prices in EIM areas

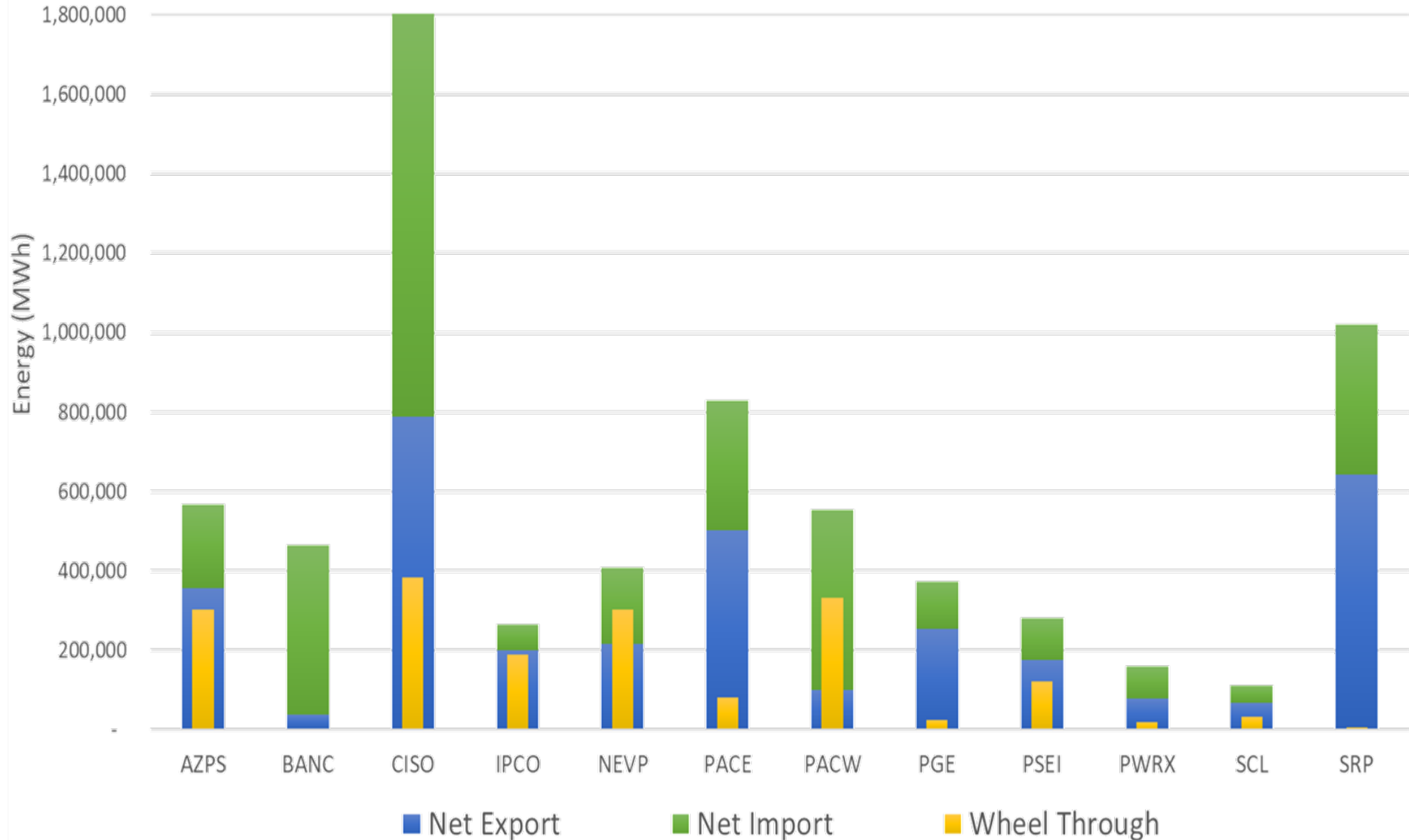


..... Estimated Proxy — RTD ELAP — FMM ELAP

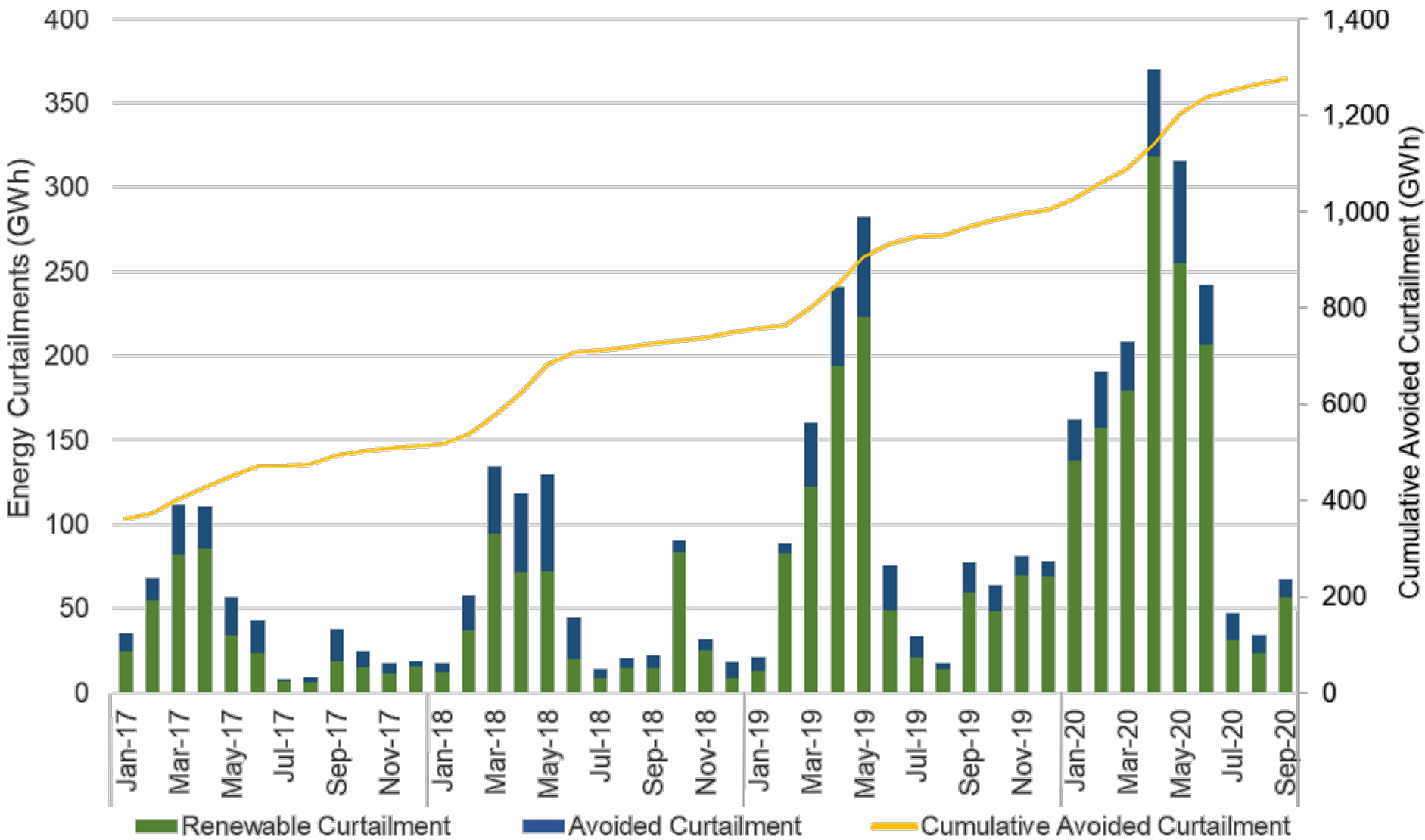
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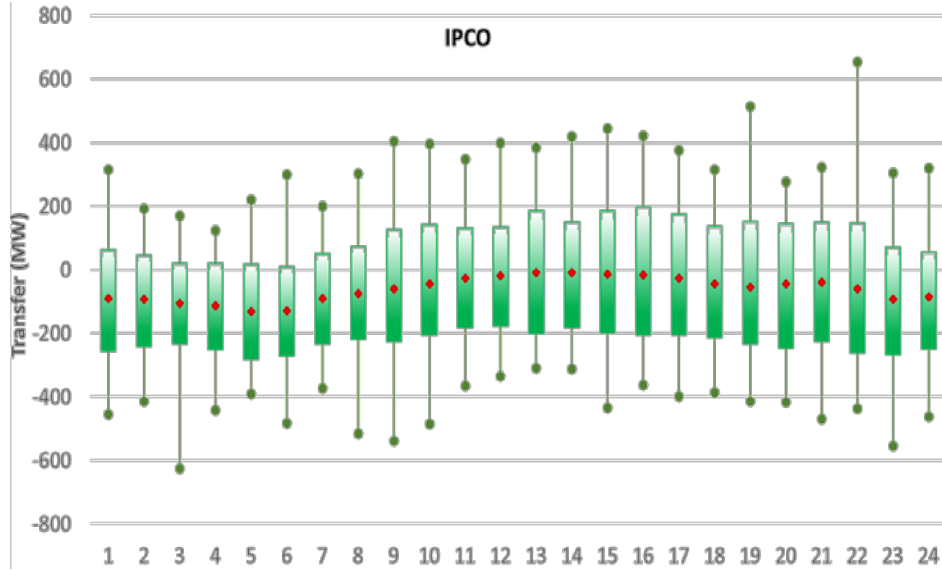
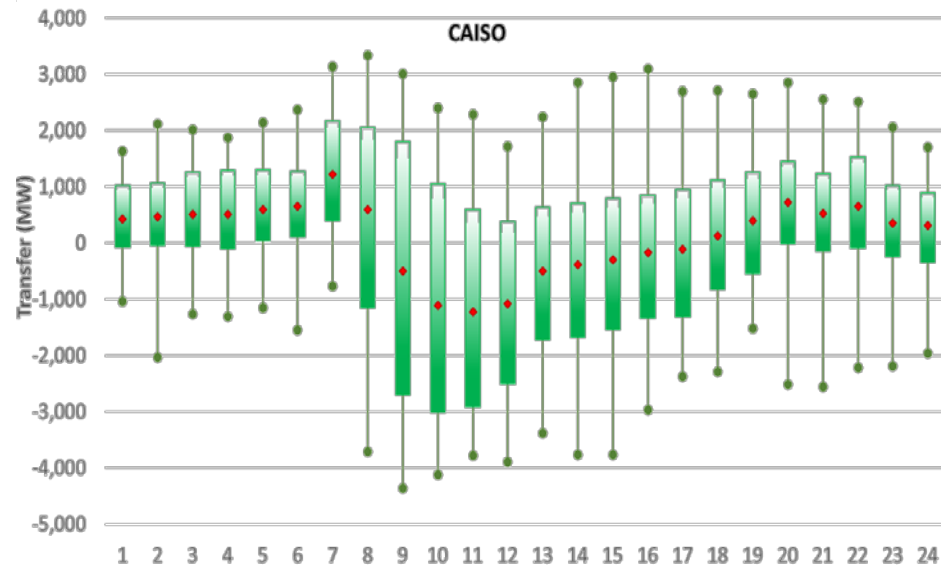
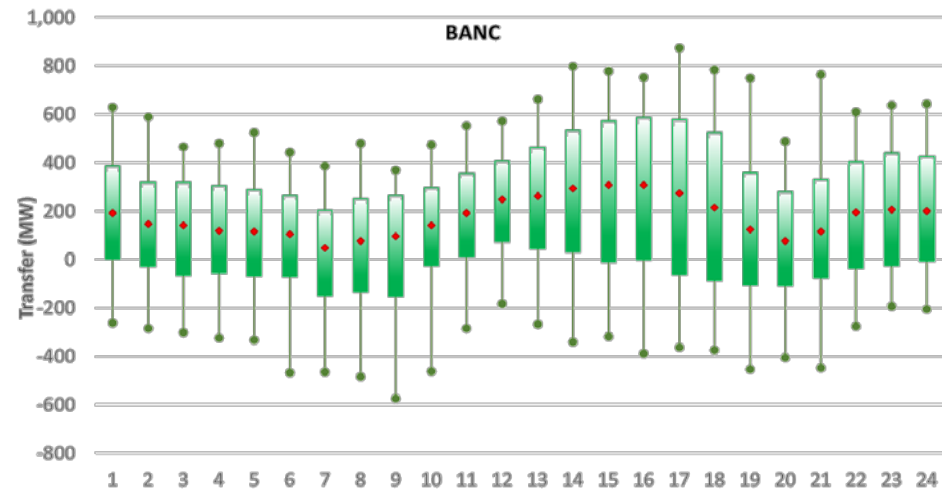
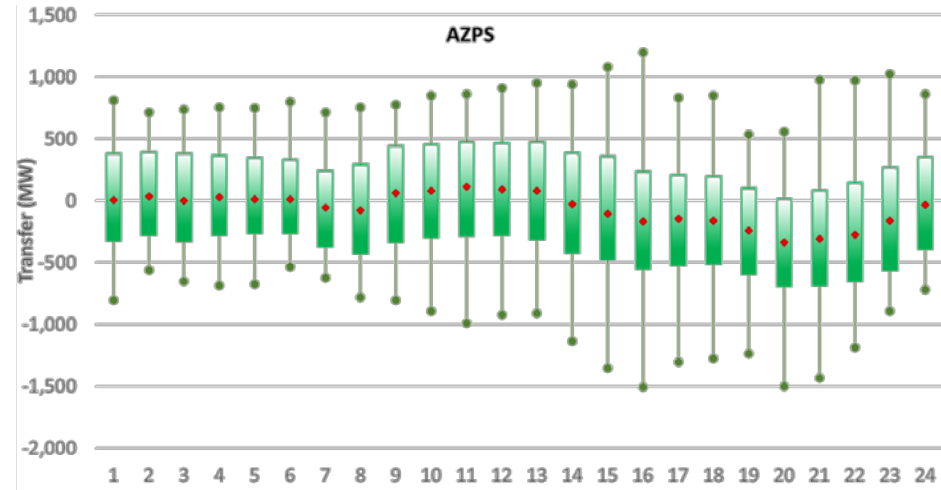
Estimated wheel through transfers in Q3, 2020



Energy imbalance market helps avoid curtailment

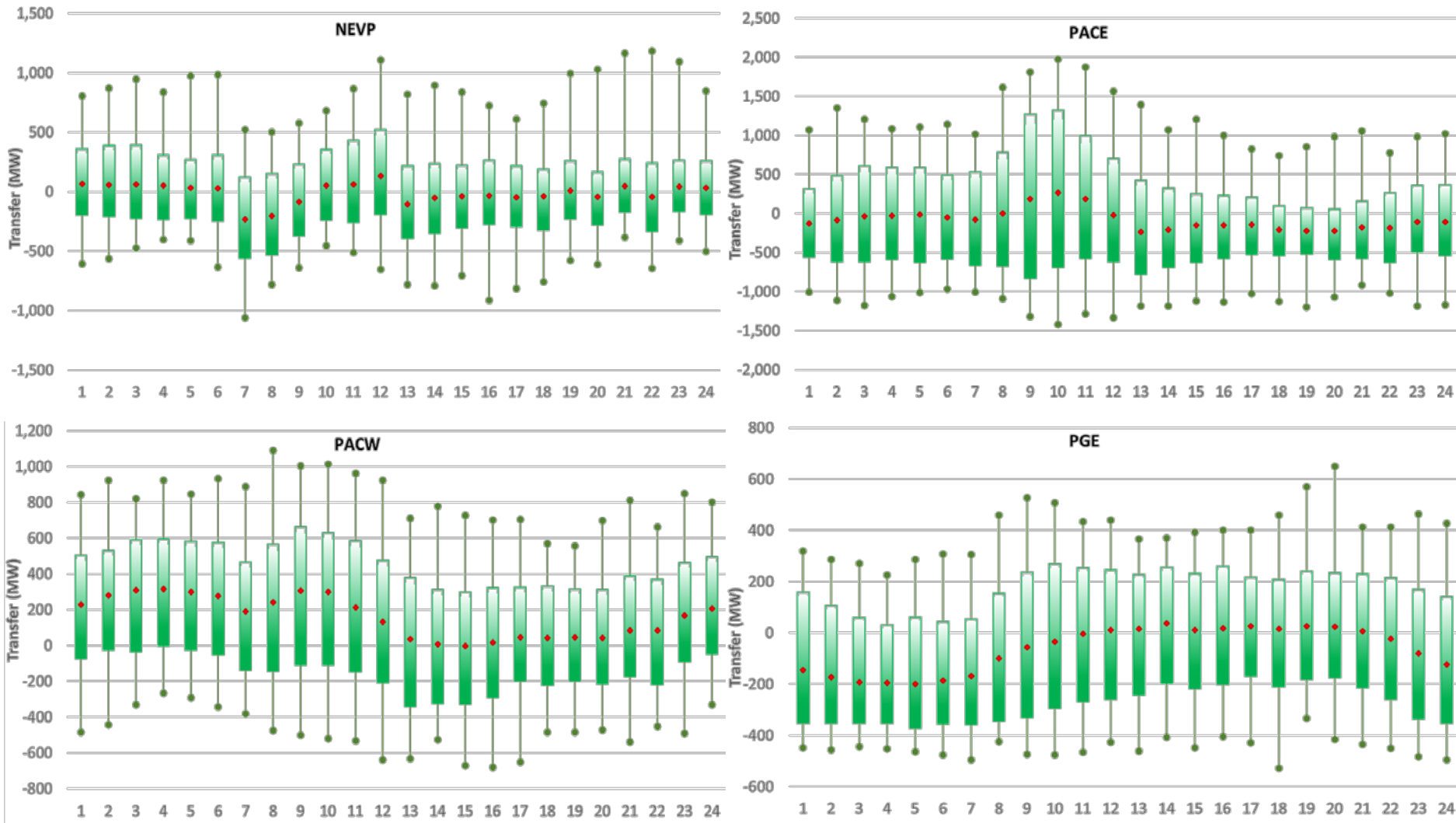


Robust energy transfers in 3rd quarter, 2020



Transfer Axis: (+) Import (-) Export █ 10th to 90th percentile | Tails are max and min ◆ Simple averages

Robust energy transfers in 3rd quarter, 2020



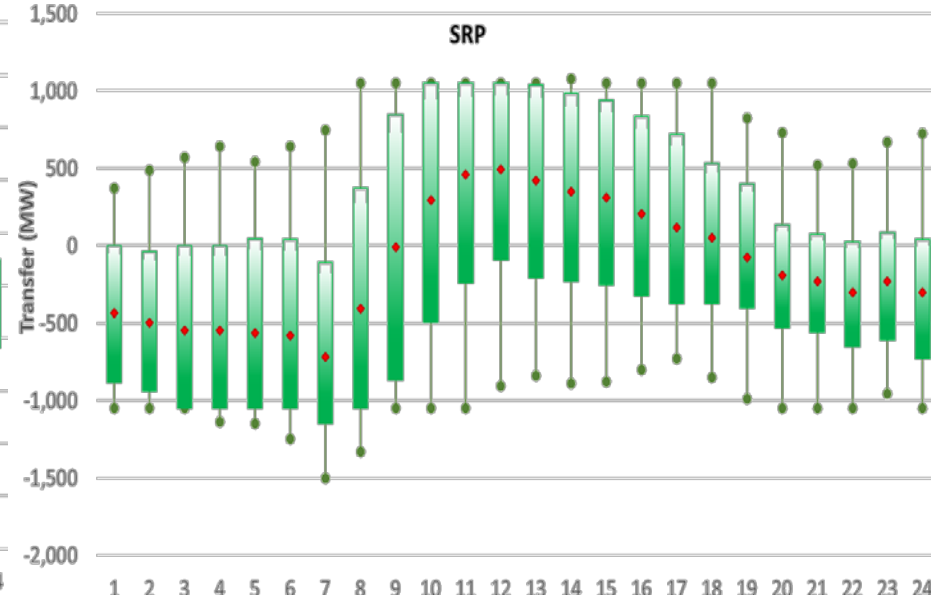
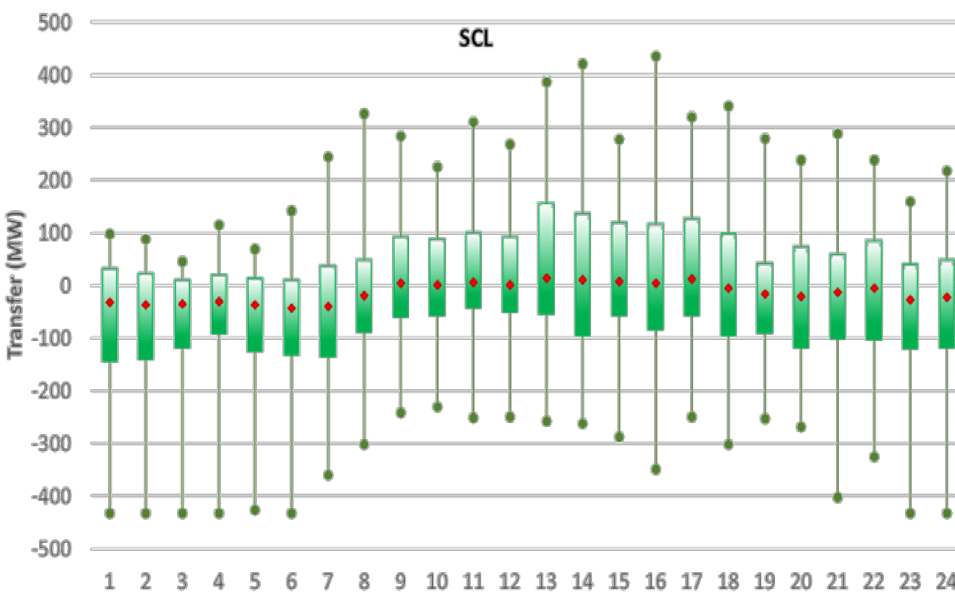
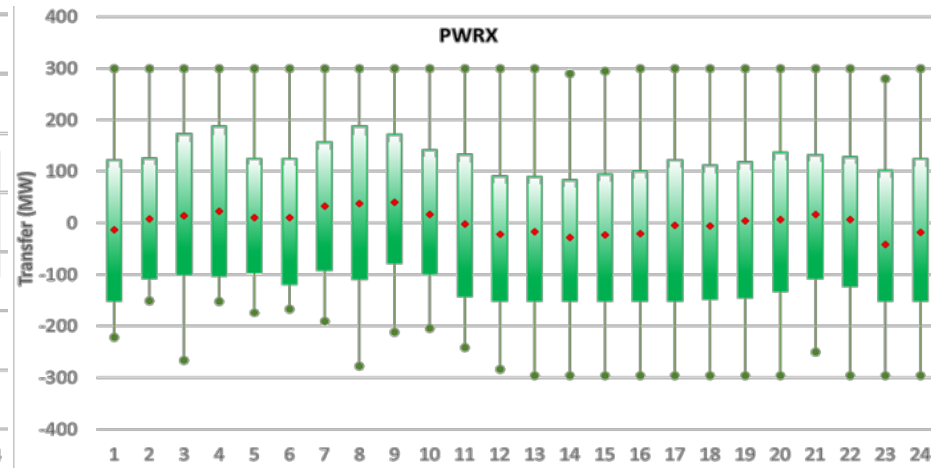
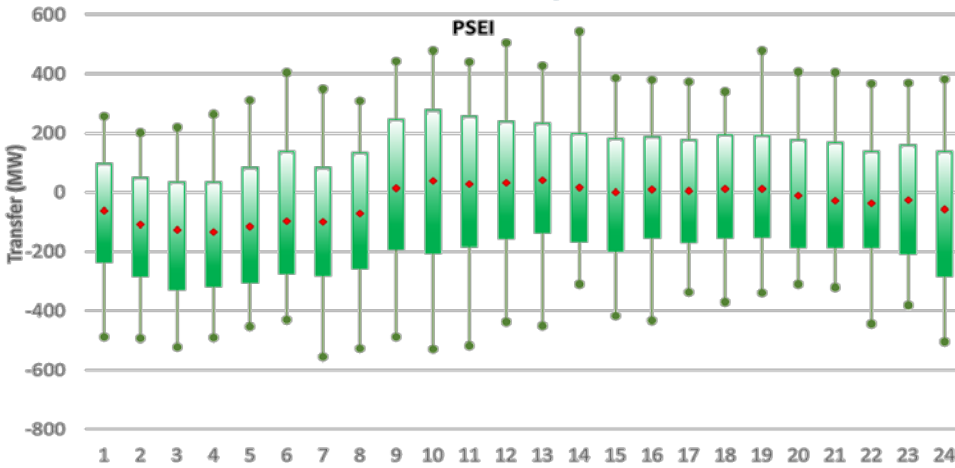
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10th to 90th percentile

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Simple averages

Robust energy transfers in 3rd quarter, 2020



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