

WESTERN ENERGY IMBALANCE MARKET

Briefing on western energy imbalance market and benefits

Mark Rothleder

Vice President, Market Policy & Performance

EIM Governing Body Meeting

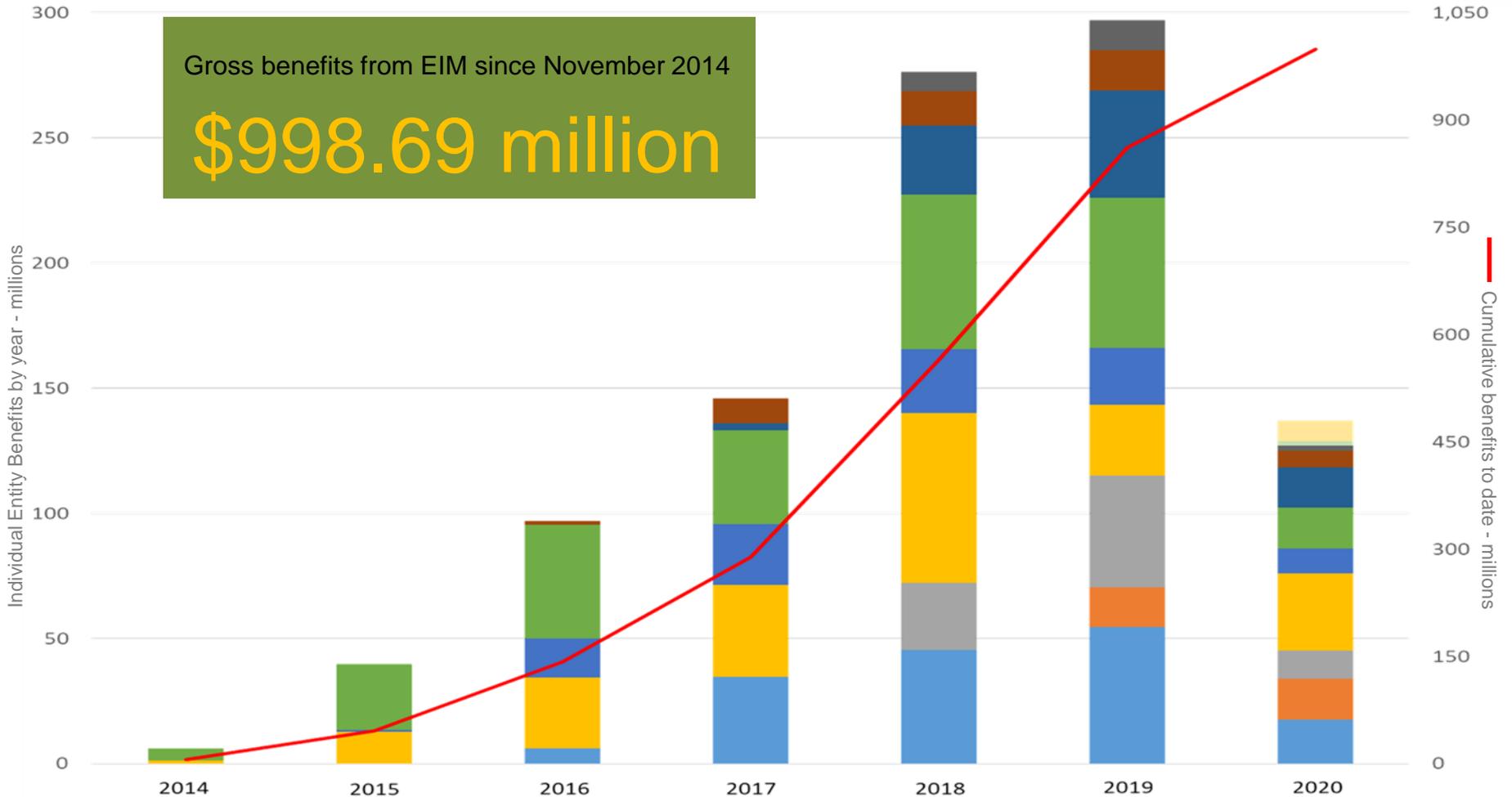
General Session

September 16, 2020



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

Gross benefits from EIM since November 2014
\$998.69 million



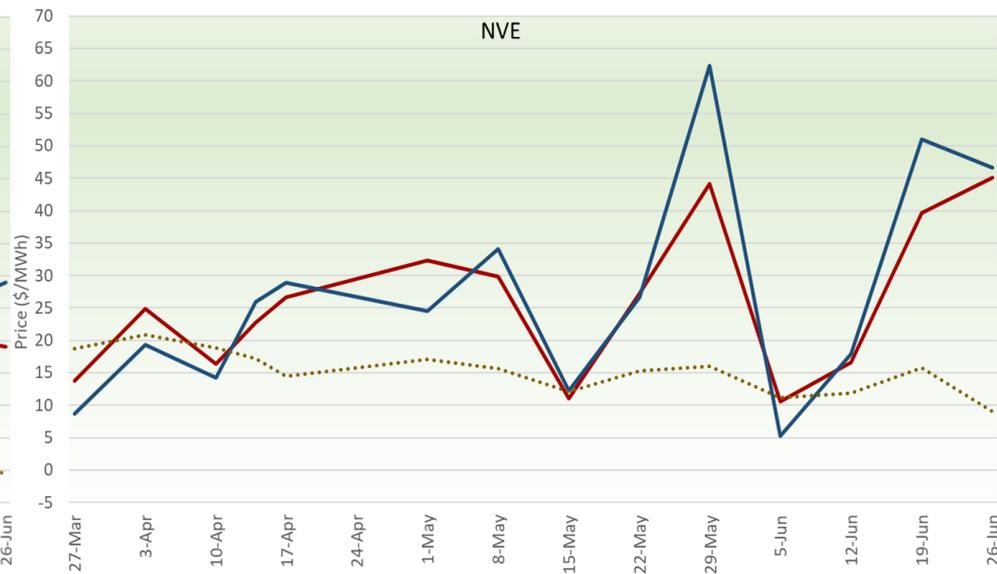
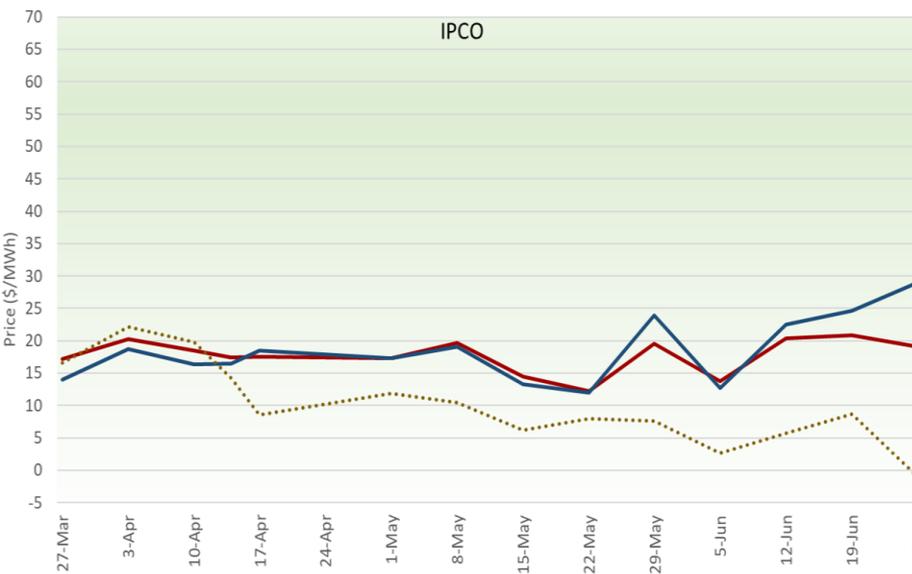
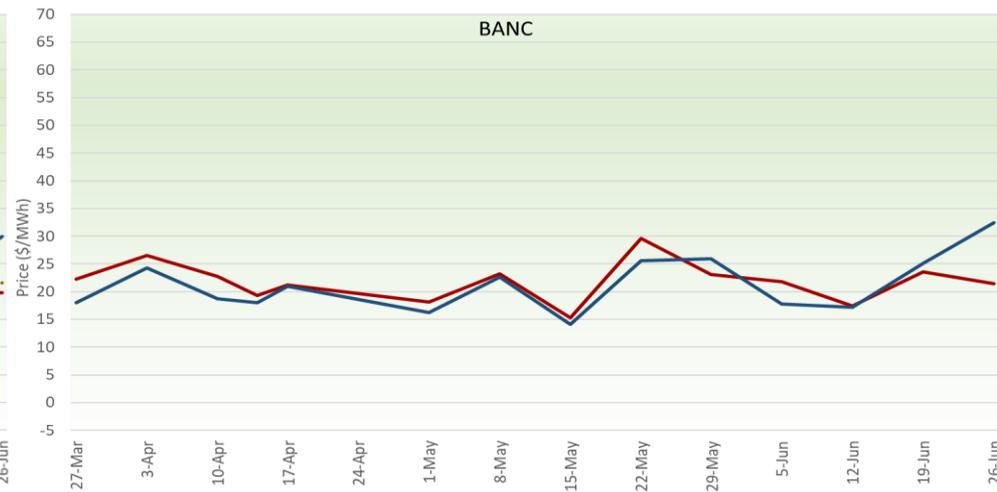
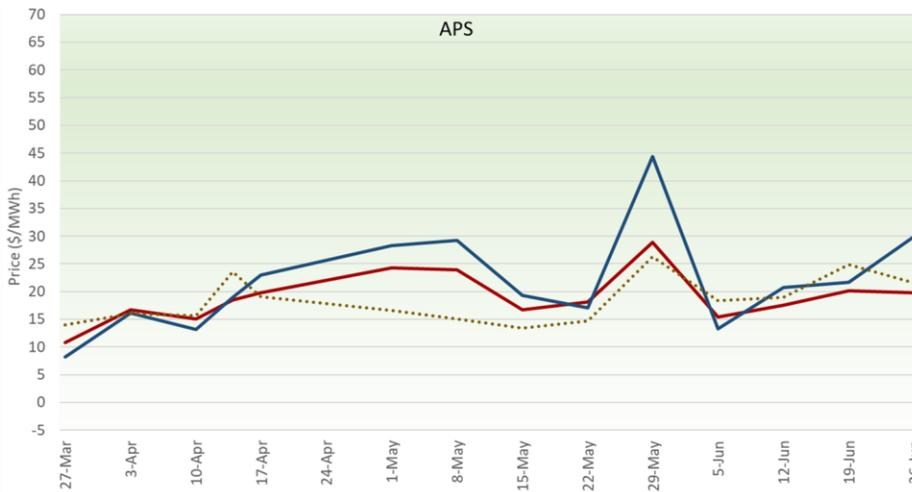
Individual Entity Benefits for 2nd Quarter - millions



Flexible ramping procurement diversity savings for 2nd Quarter, 2020

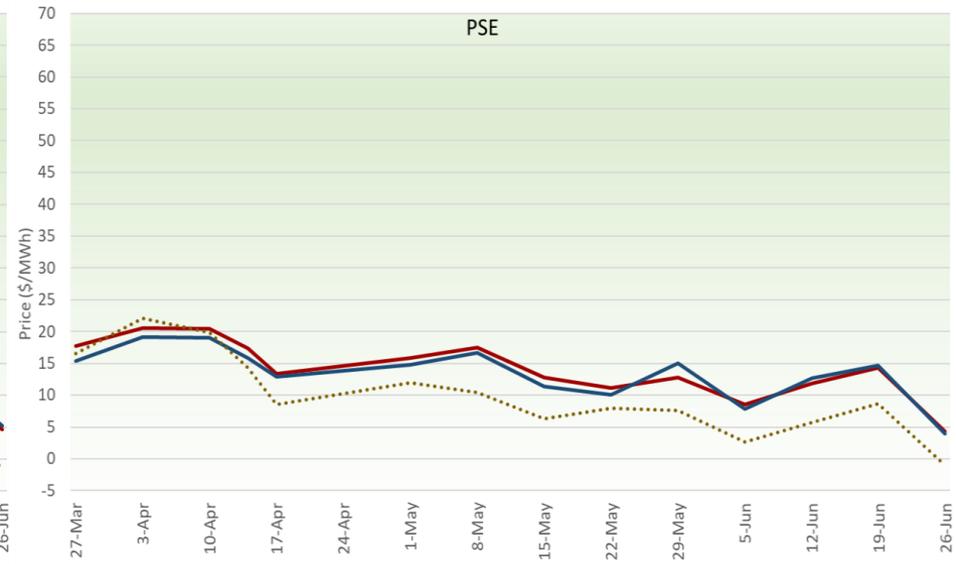
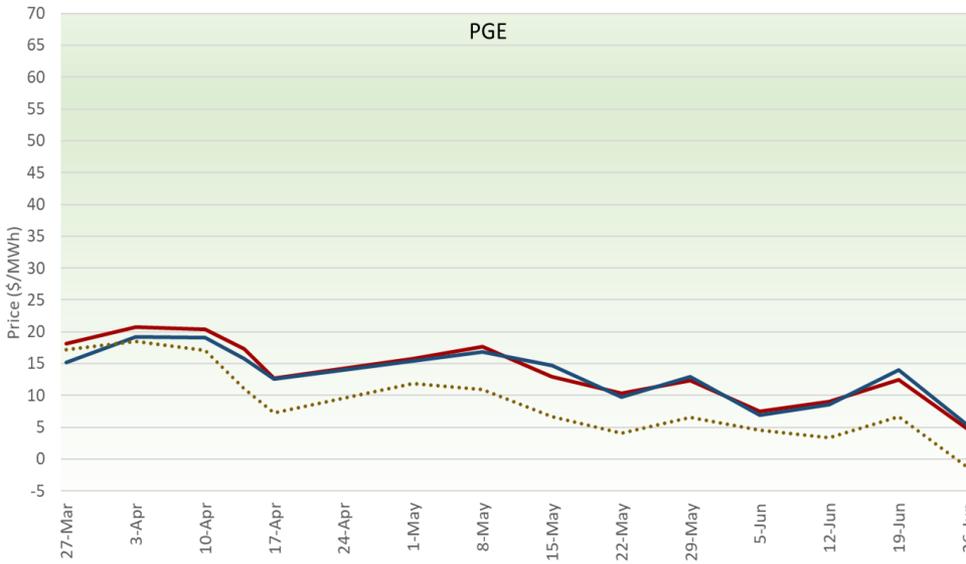
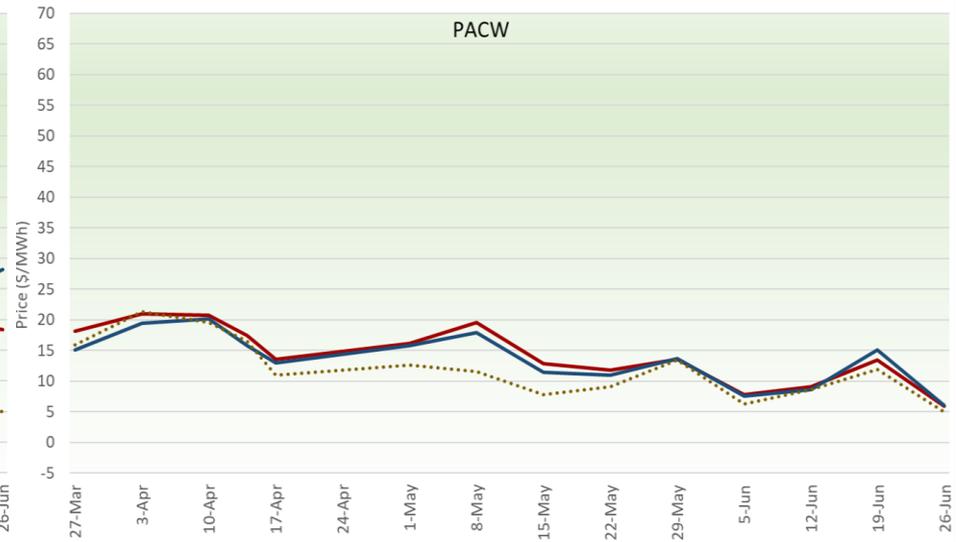
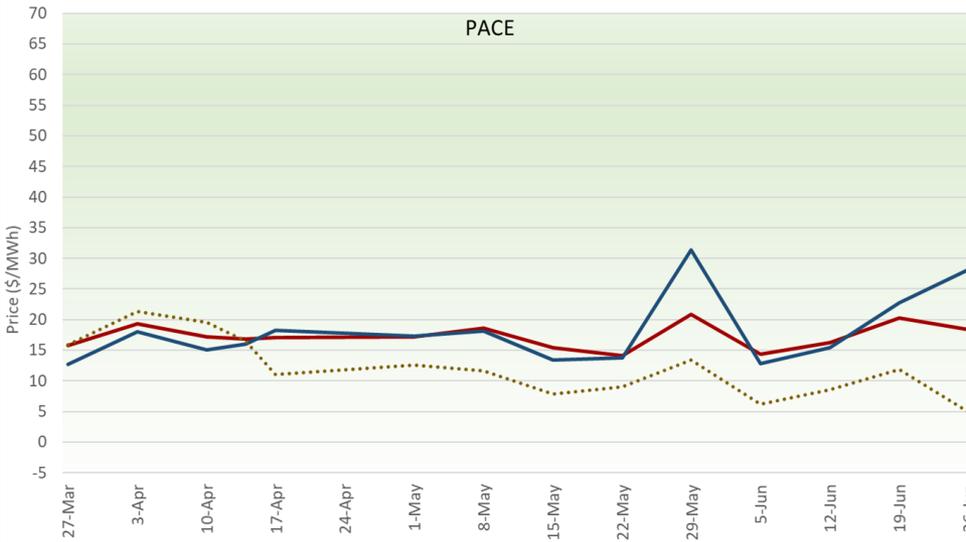
	January		February		March	
Direction	Up	Down	Up	Down	Up	Down
Average MW saving	961	945	966	999	953	988
Sum of BAA requirements	1,983	1,998	1,957	1,990	2,050	1, 840
Diversity Benefit	48%	47%	49%	50%	47%	54%
Estimated Savings	\$3,849	\$7,963	\$16,169	\$47,856	\$32,170	\$91,041

Weekly average prices in EIM areas



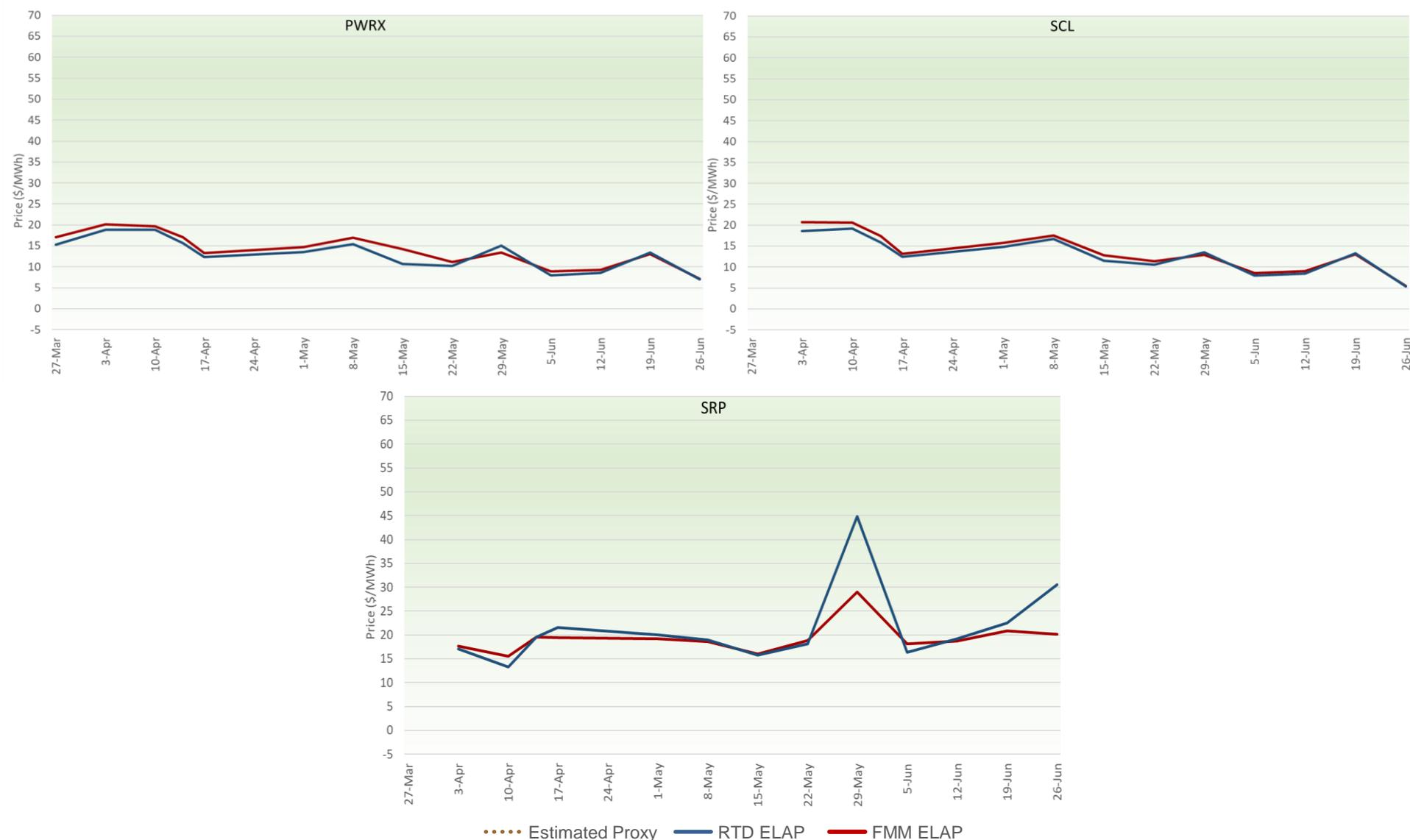
Estimated Proxy RTD ELAP FMM ELAP

Weekly average prices in EIM areas

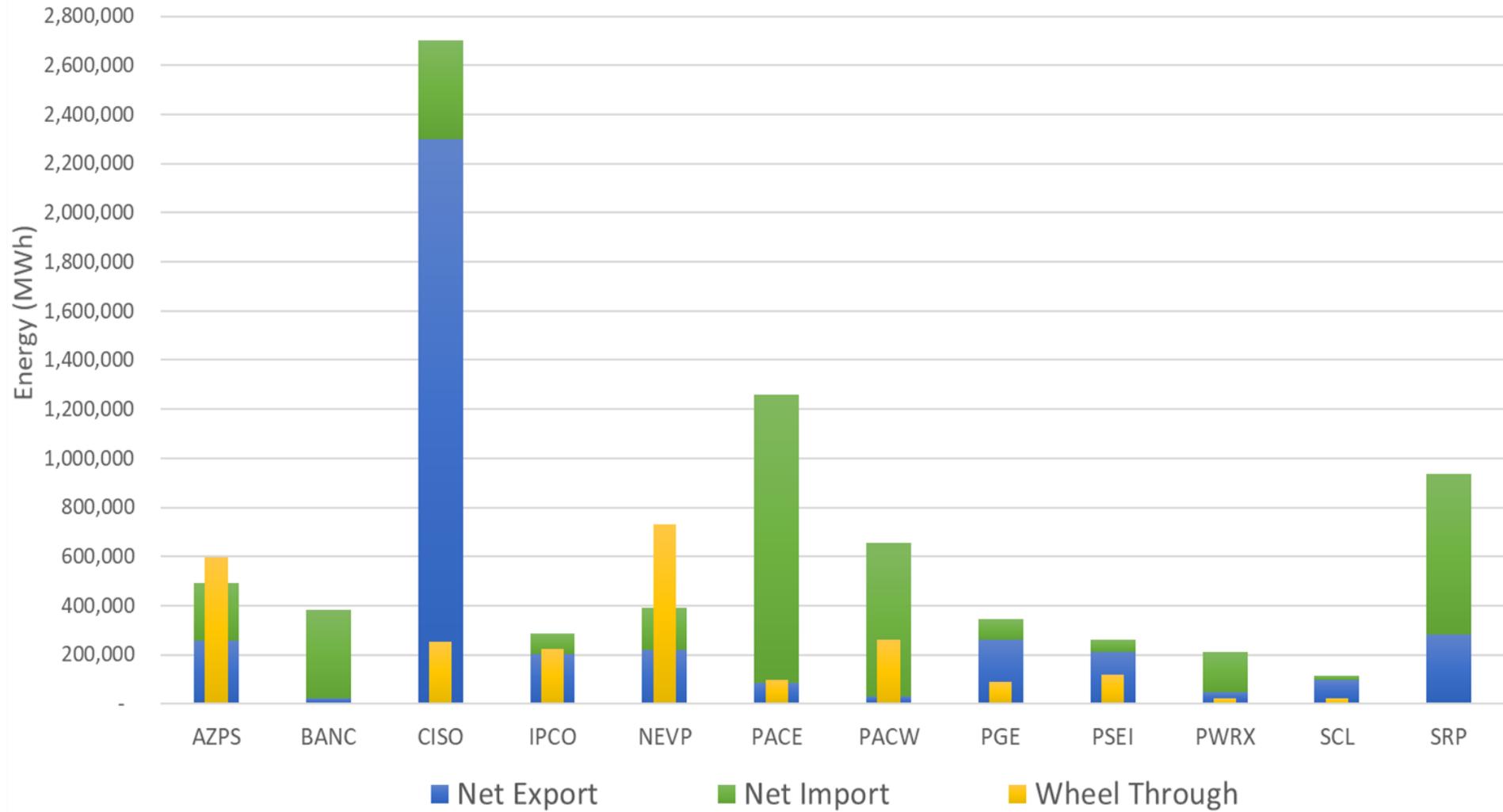


Estimated Proxy RTD ELAP FMM ELAP

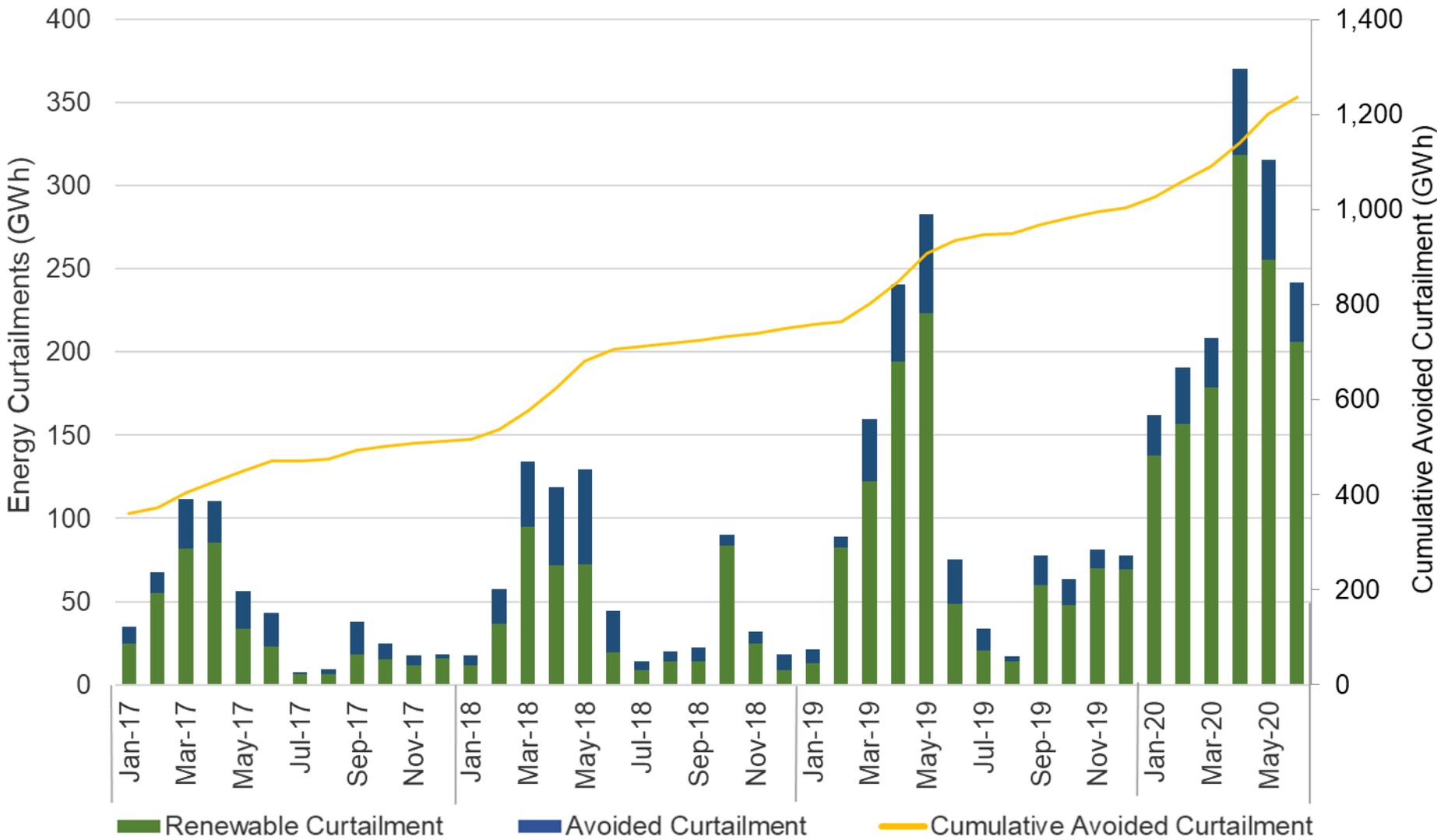
Weekly average prices in EIM areas



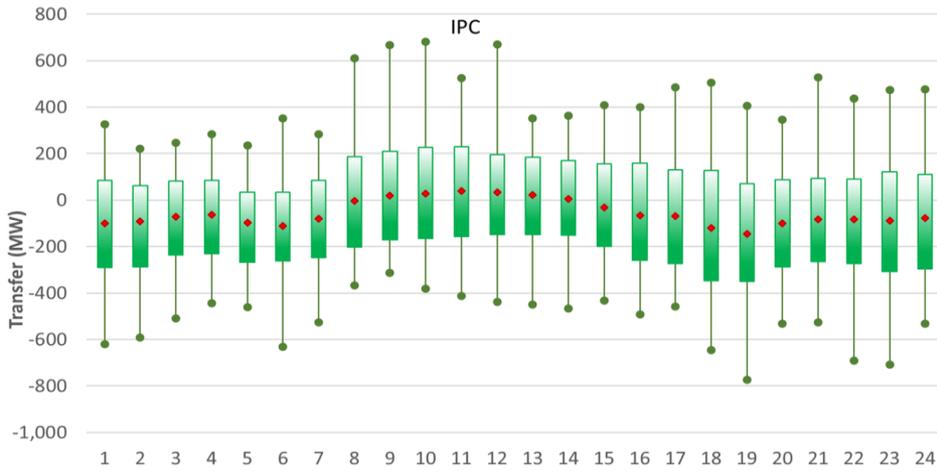
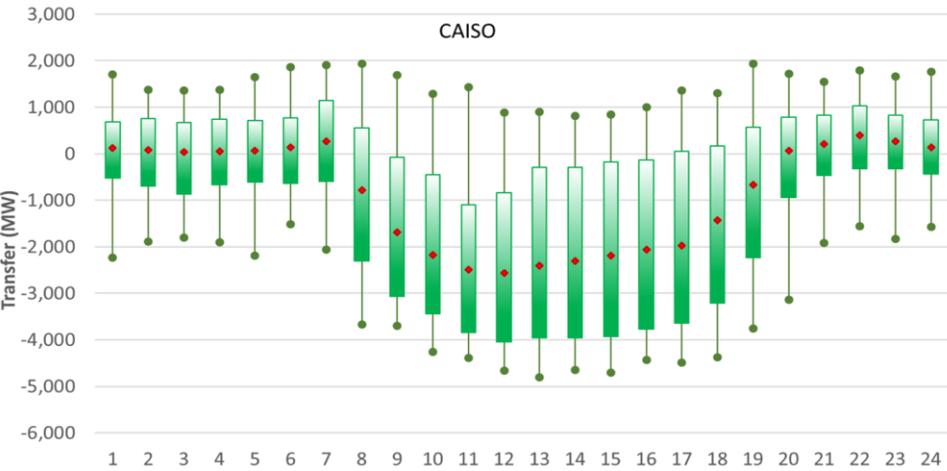
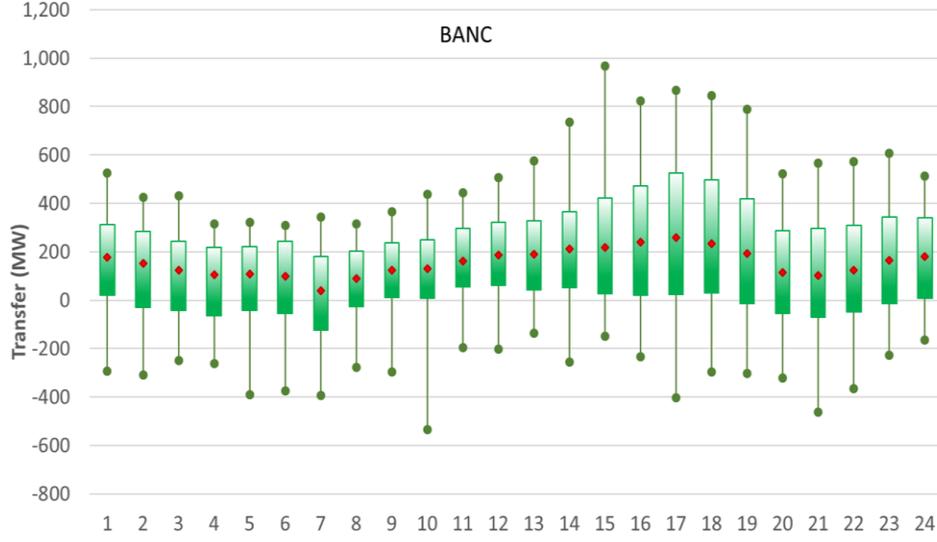
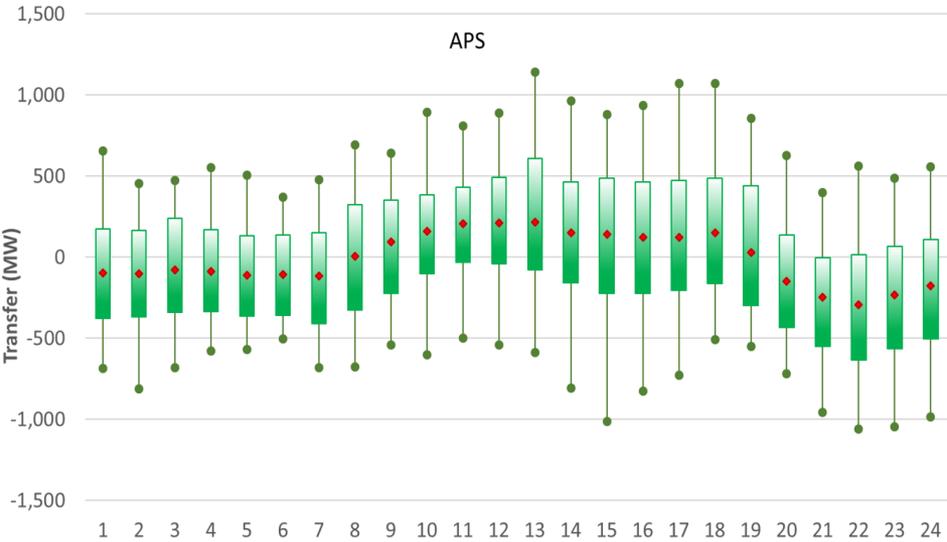
Estimated wheel through transfers in Q2, 2020



Energy imbalance market helps avoid curtailment

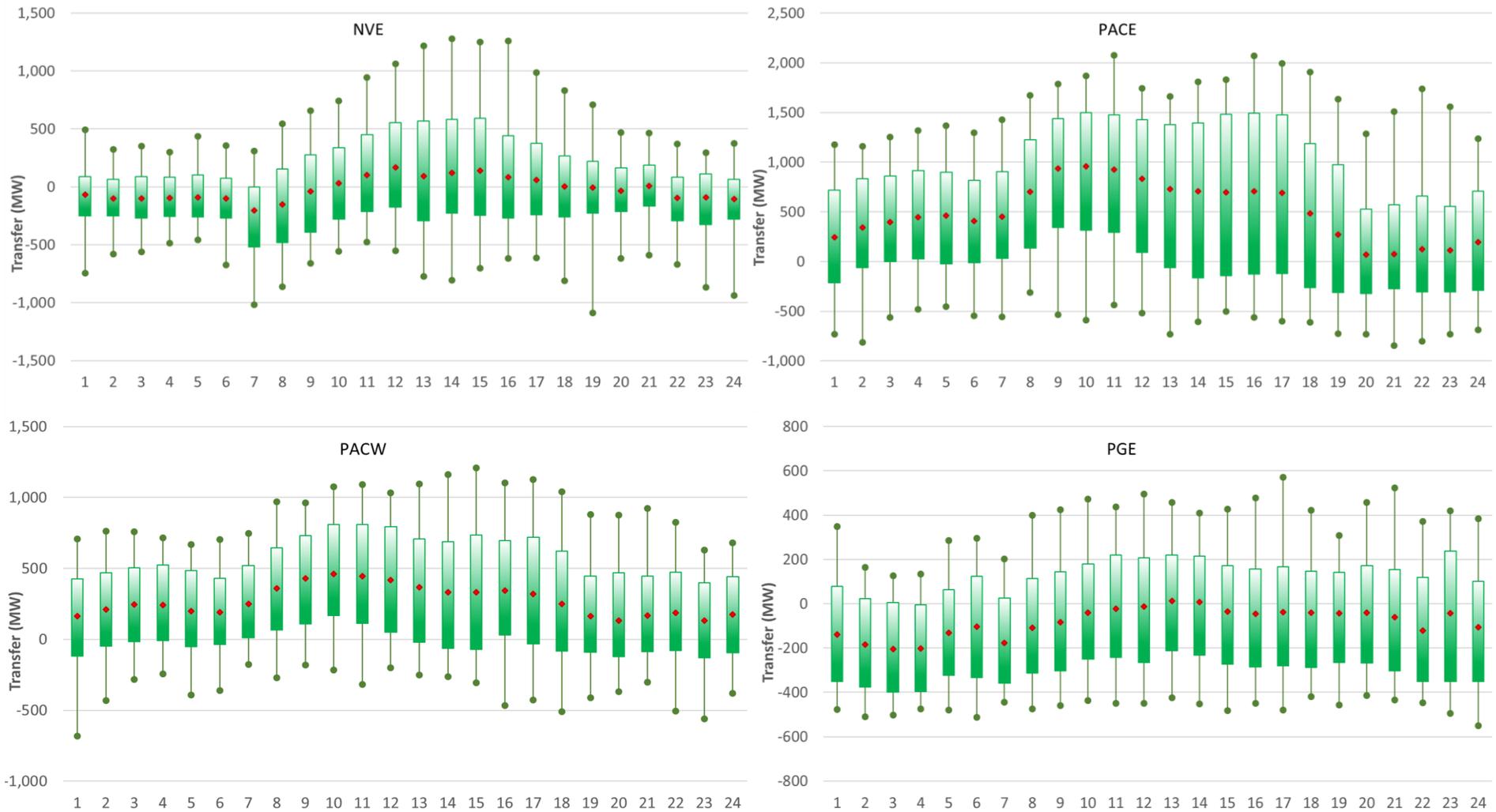


Robust energy transfers in 2nd quarter, 2020



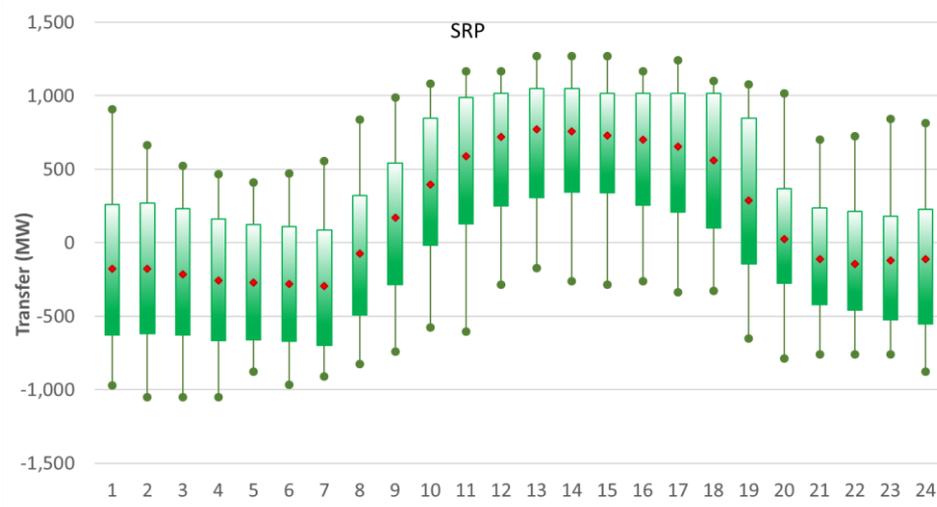
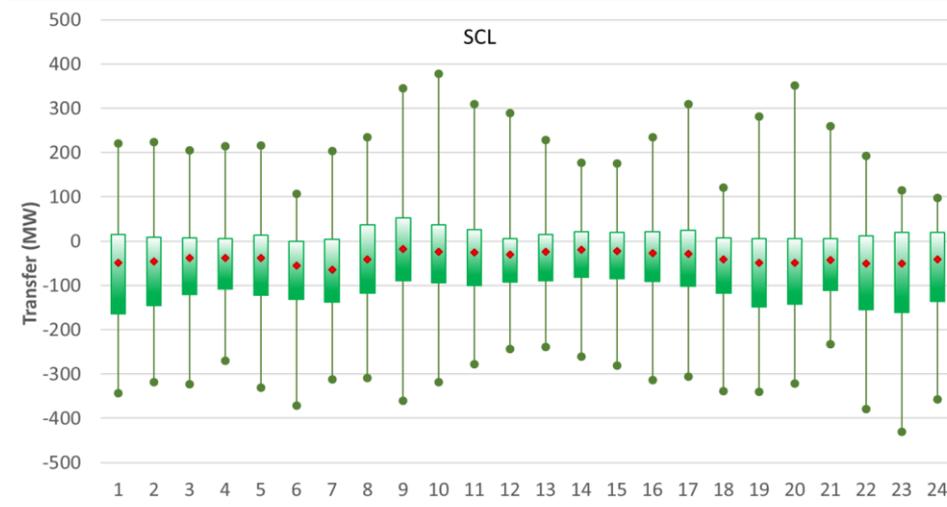
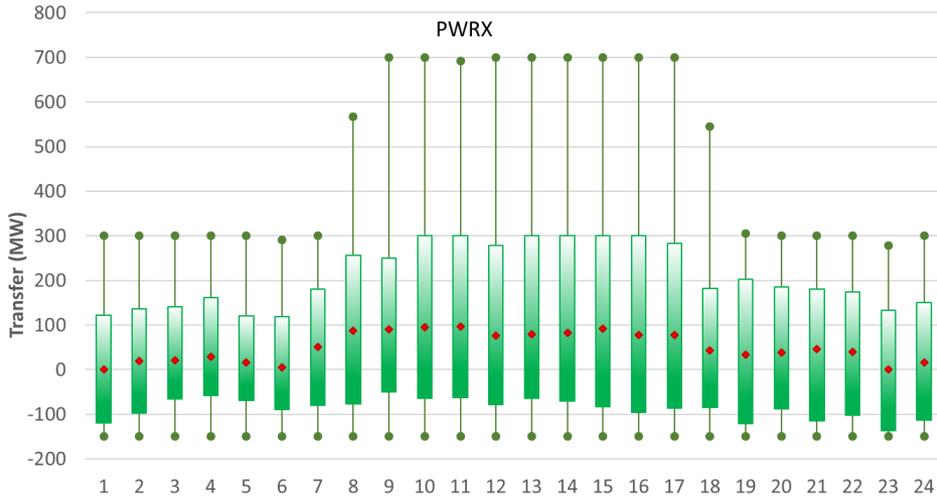
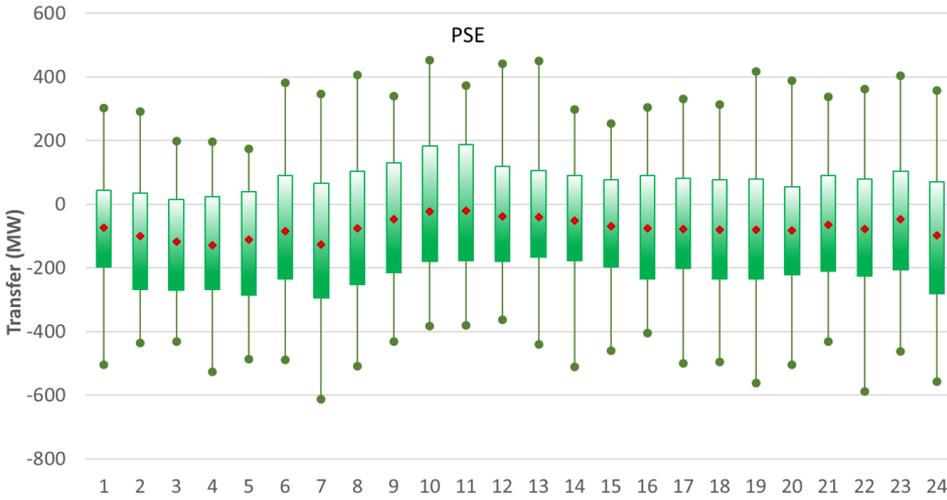
Transfer Axis: (+) Import (-) Export 10th to 90th percentile Tails are max and min Simple averages

Robust energy transfers in 2nd quarter, 2020



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

Robust energy transfers in 2nd quarter, 2020



Transfer Axis: (+) Import (-) Export

 10th to 90th percentile

 Tails are max and min

 Simple averages