

# WESTERN ENERGY MARKETS

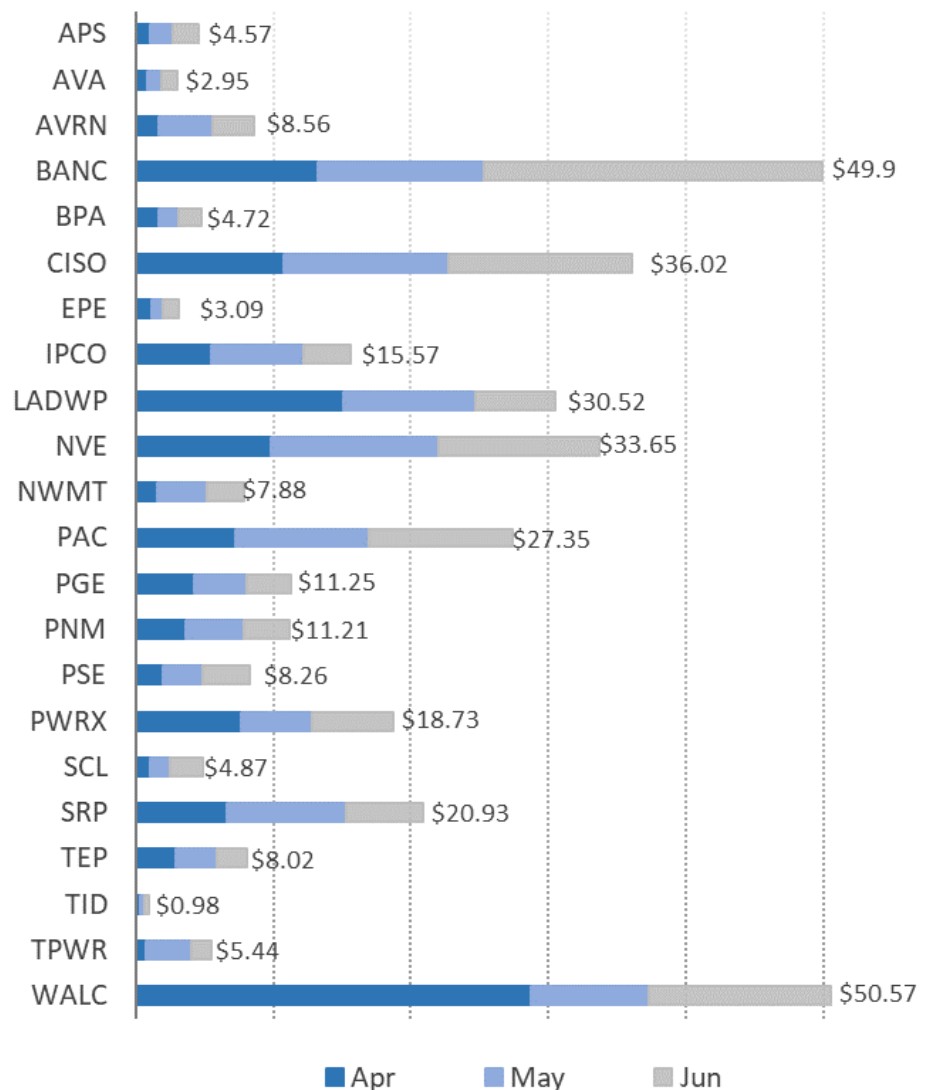
## Western Energy Imbalance Market Benefits and Market Update Q2 2024

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WEM Governing Body Meeting  
General Session  
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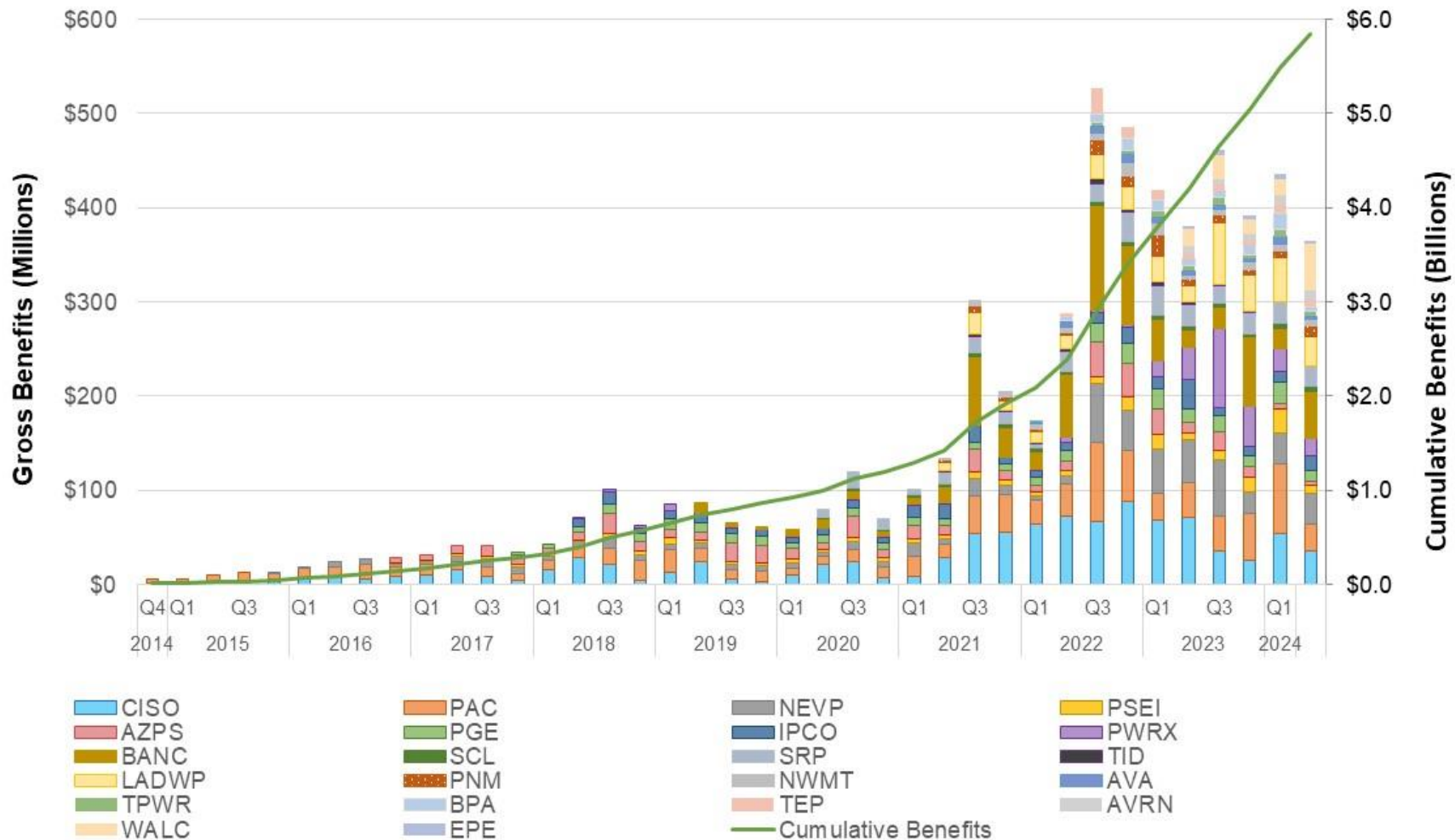
# Economic benefits total \$365 million in Q2 2024



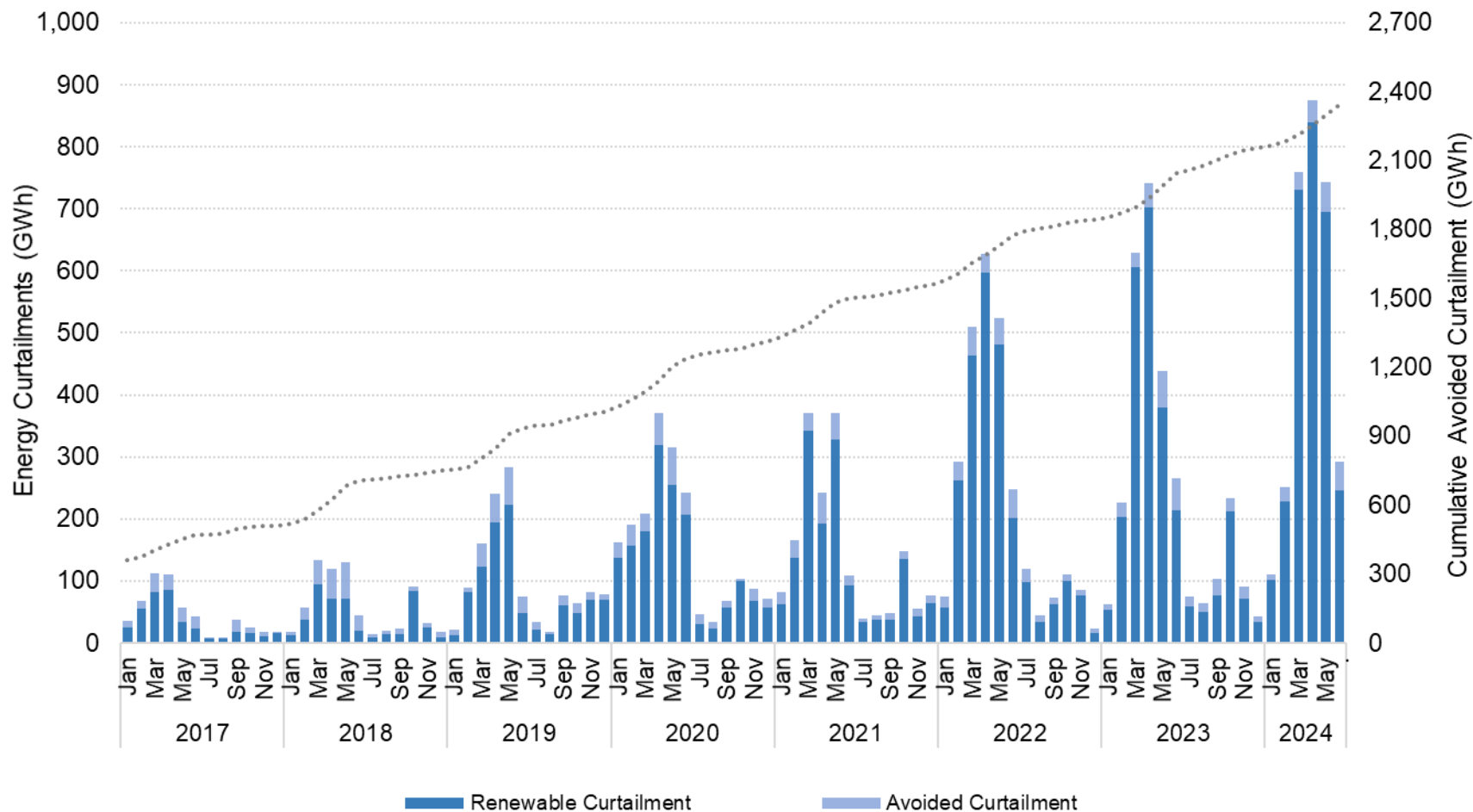
Gross economic benefits driven by:

- Wide footprint consisting of 22 balancing areas
- Economic transfers among areas
- Energy prices and economic displacement of high-value energy

# \$5.85 billion cumulative benefits through Q2 2024

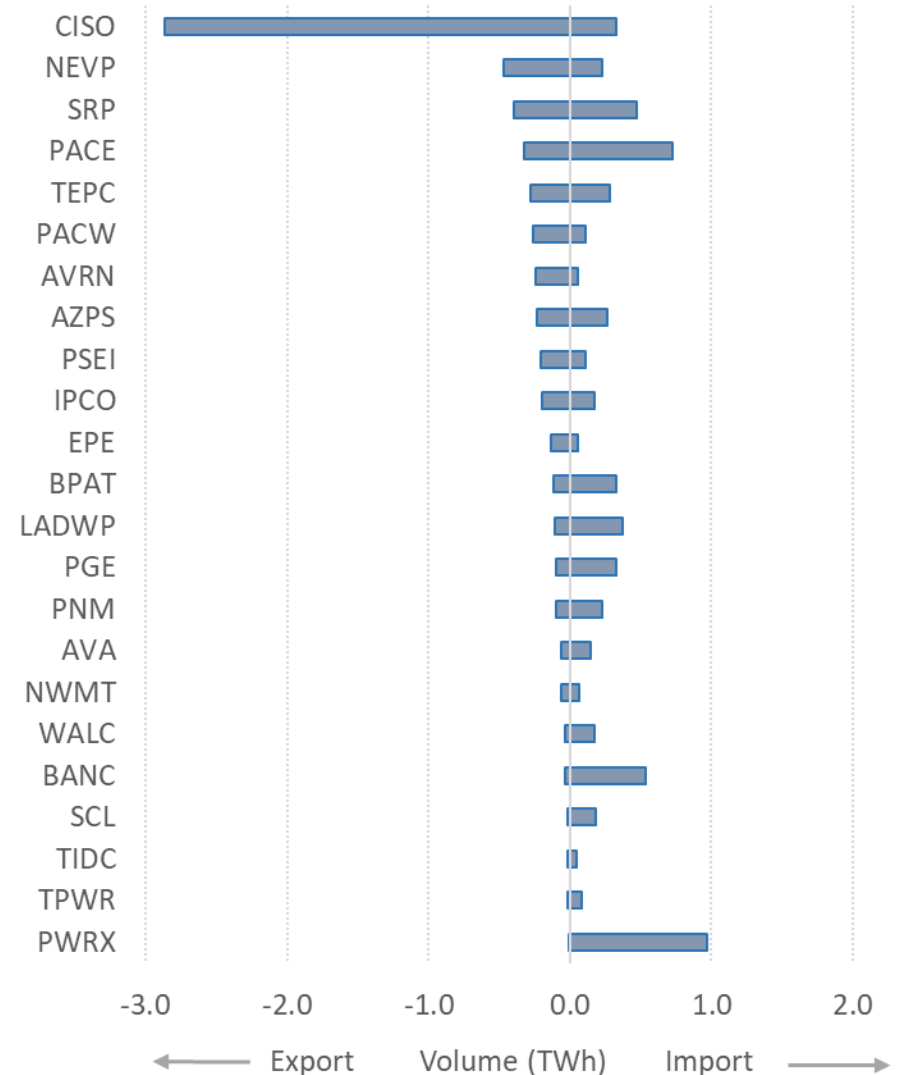
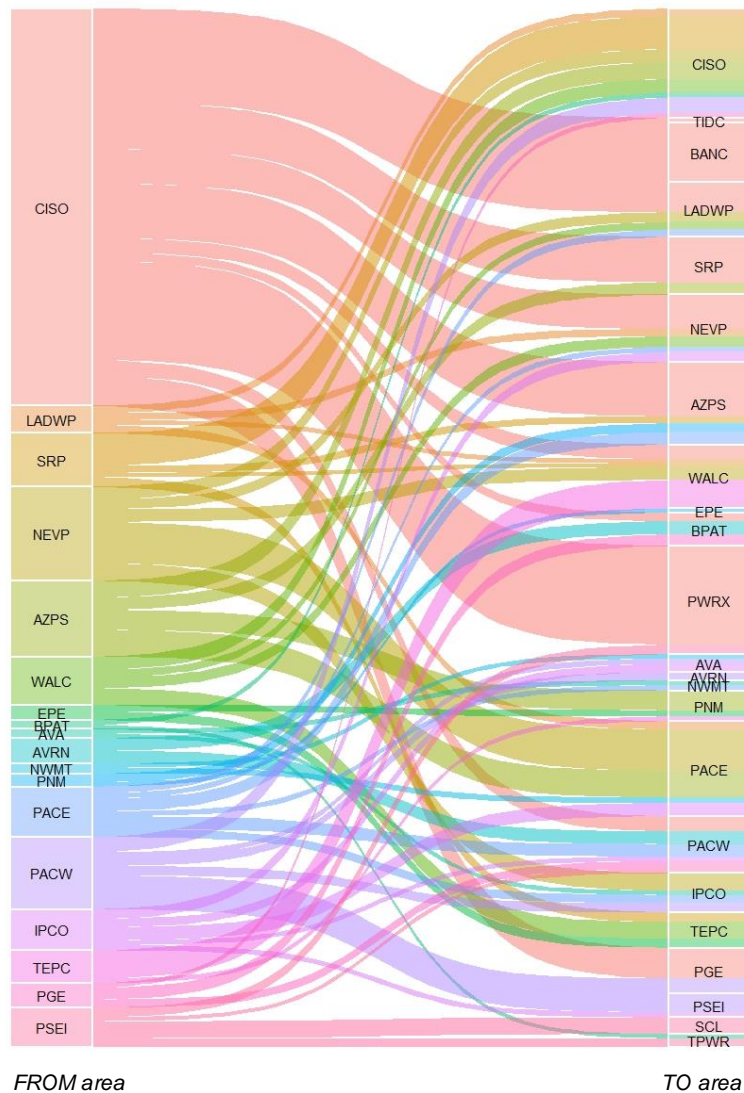


# WEIM continues to avoid renewable curtailment

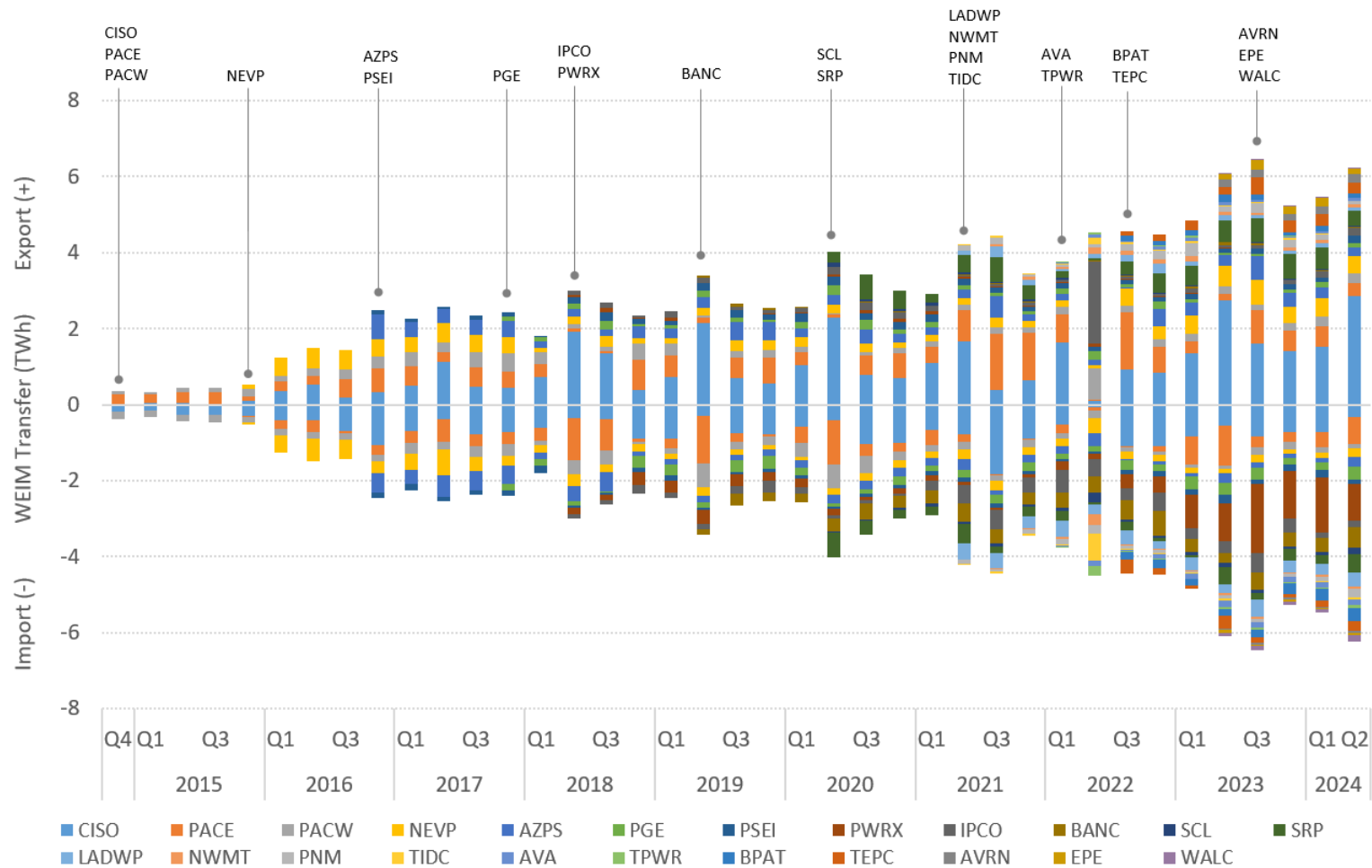


Avoided curtailments since 2015 represent a reduction of 1,007,291 equivalent tons CO<sub>2</sub>

# WEIM transfers were substantial in Q2 2024

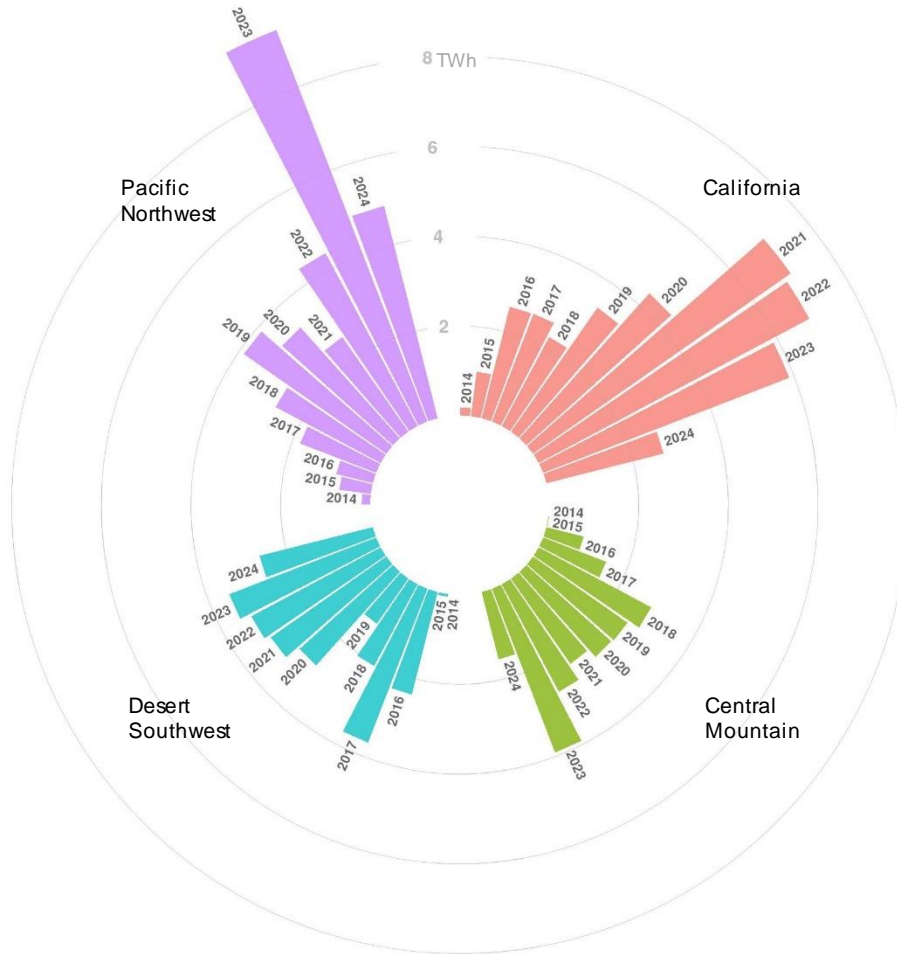


# Expansion of the western energy imbalance market has unlocked increasing volumes of economic transfers

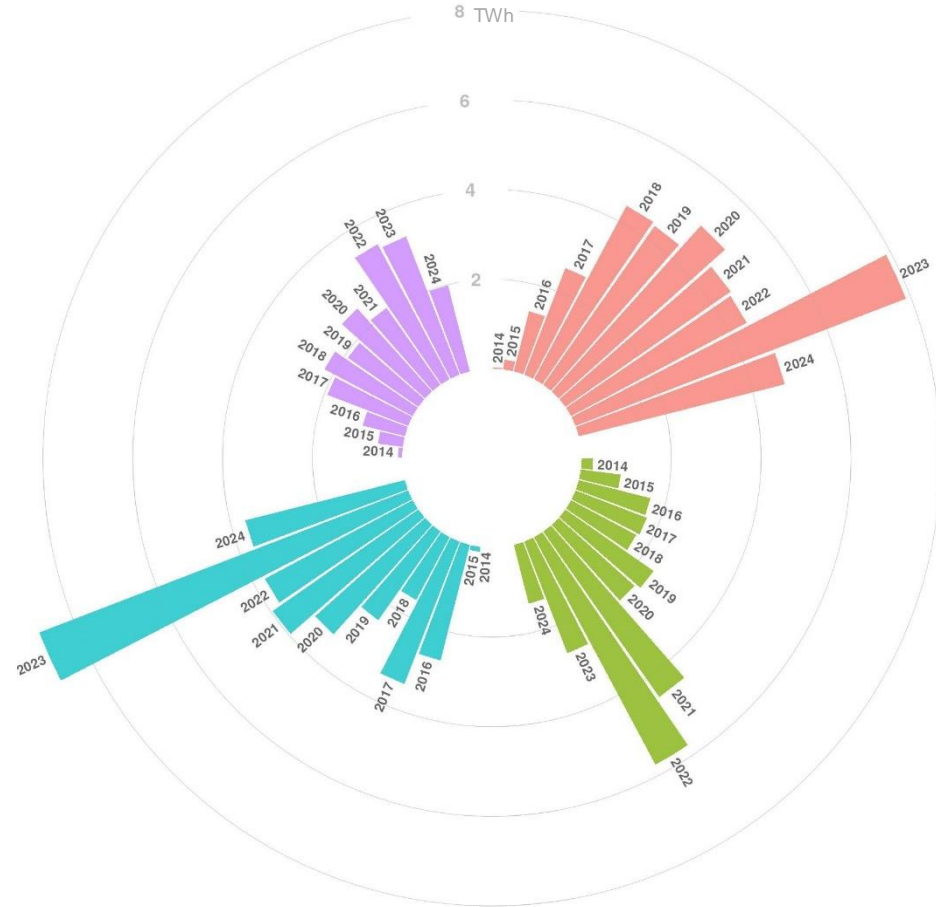




# Economic transfers have opened access to the regional and fuel diversity of the West



Imports

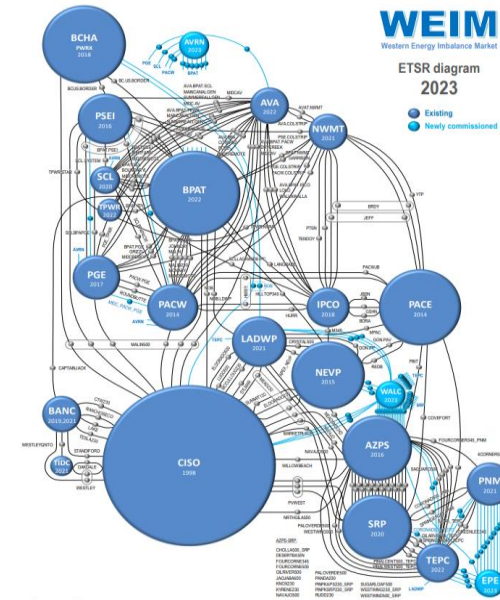
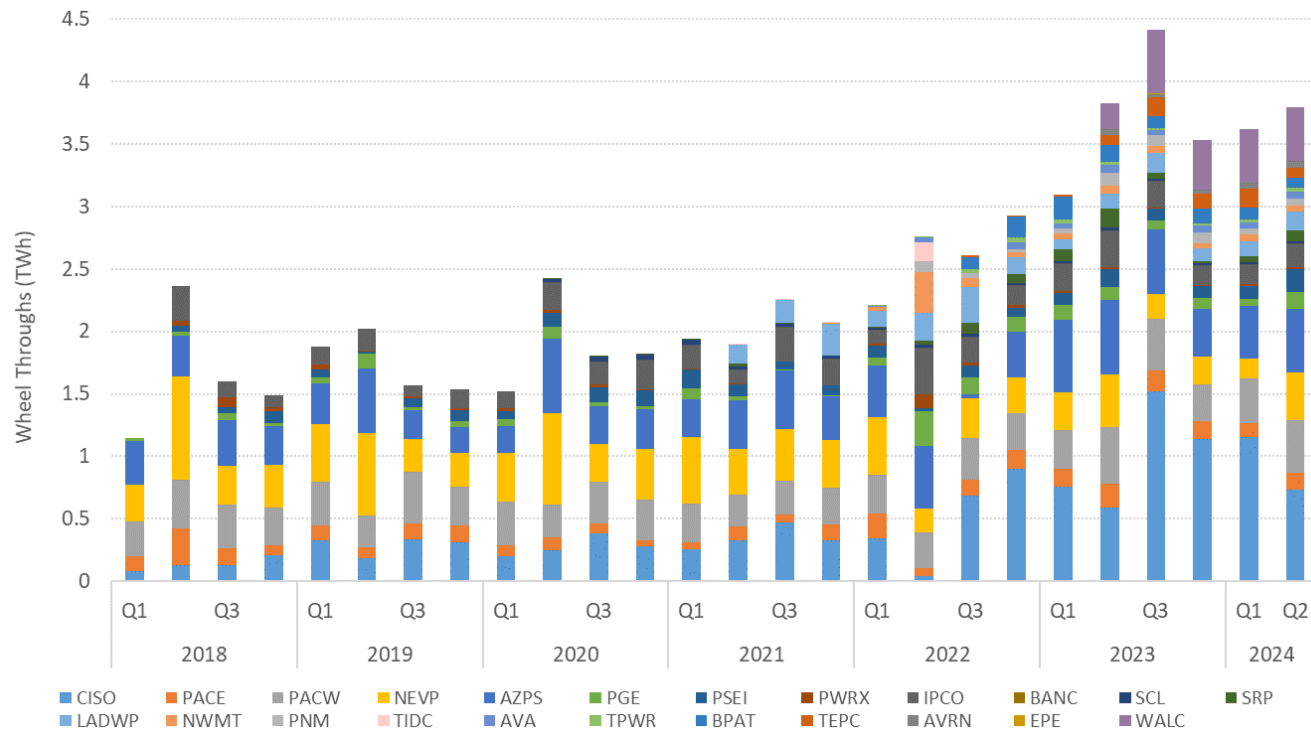


Exports

2024 accounts for first two quarters

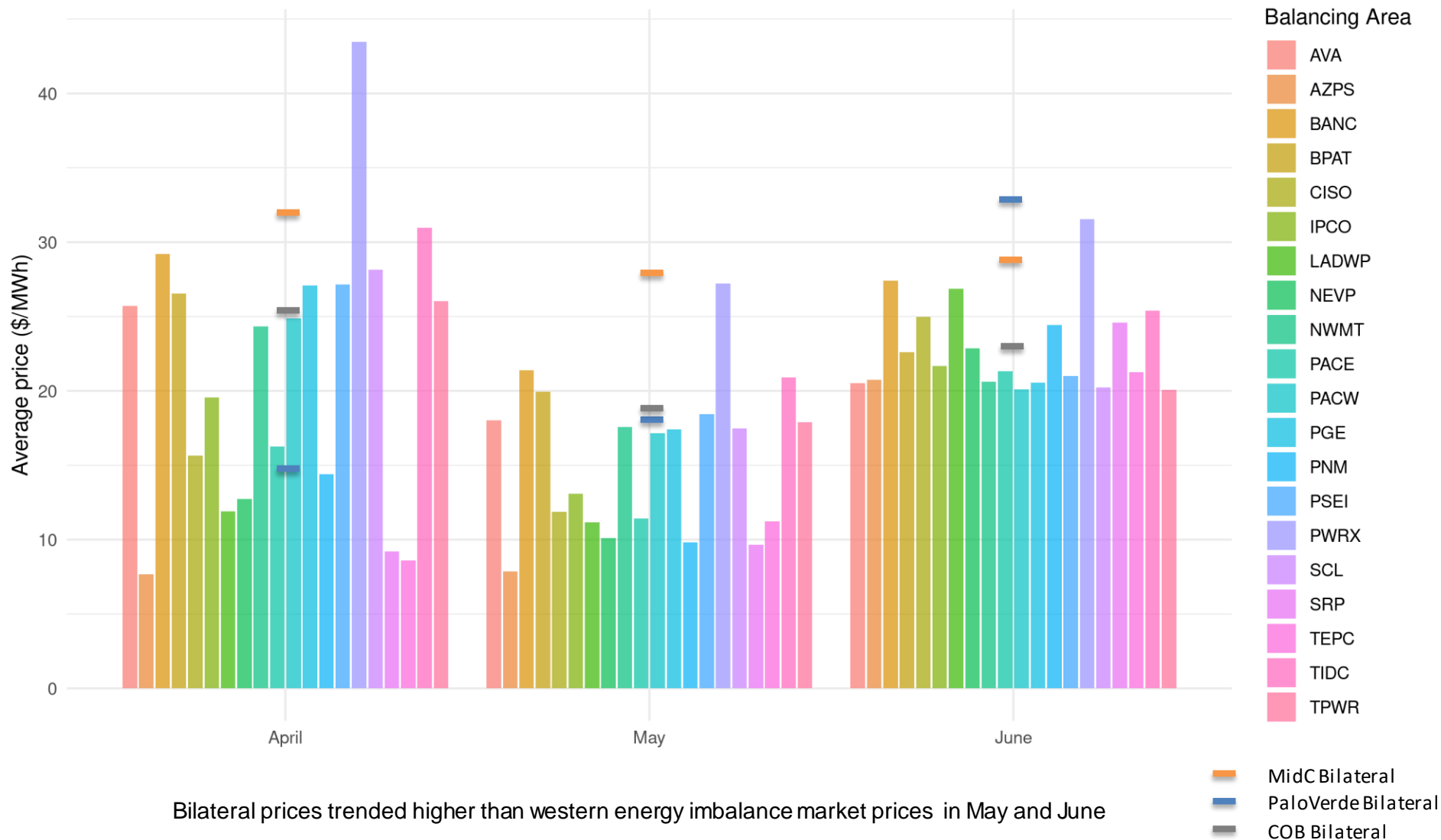
# With more entities integrated into the market, wheeling has enabled more economic transfers

*Wheel-through transfers in the western energy imbalance market*





# Prices were generally stable in Q2 2024



# The WEIM facilitated balancing area access to assistance energy transfers, providing operational benefits

- Six WEIM balancing areas opted into the assistance energy transfer (AET) program in June
- The AET program allows areas to receive energy transfers when they do not meet resource sufficiency requirements
- The total AET surcharges assessed in June were approximately \$72,000 for all the BAAs

