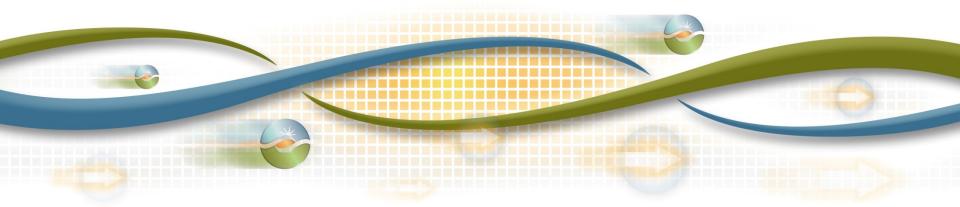


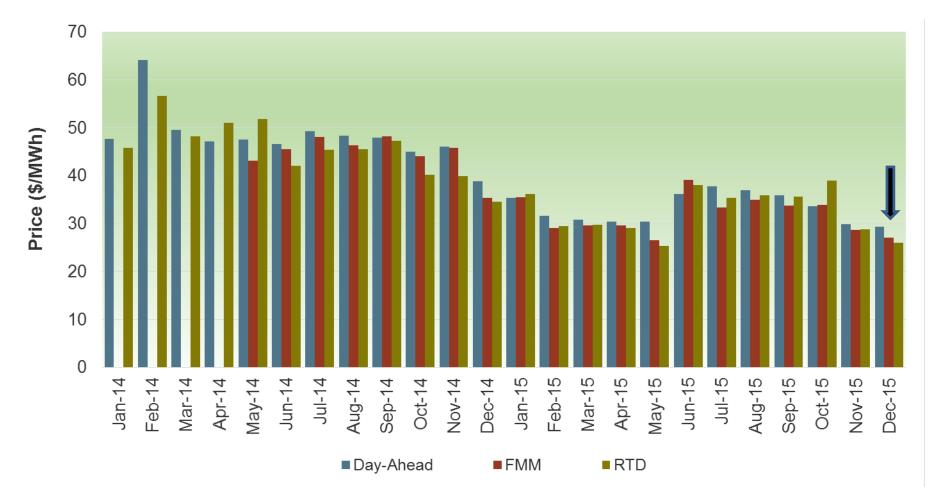
#### Market Performance Update

Nan Liu Manager, Market Development and Analysis

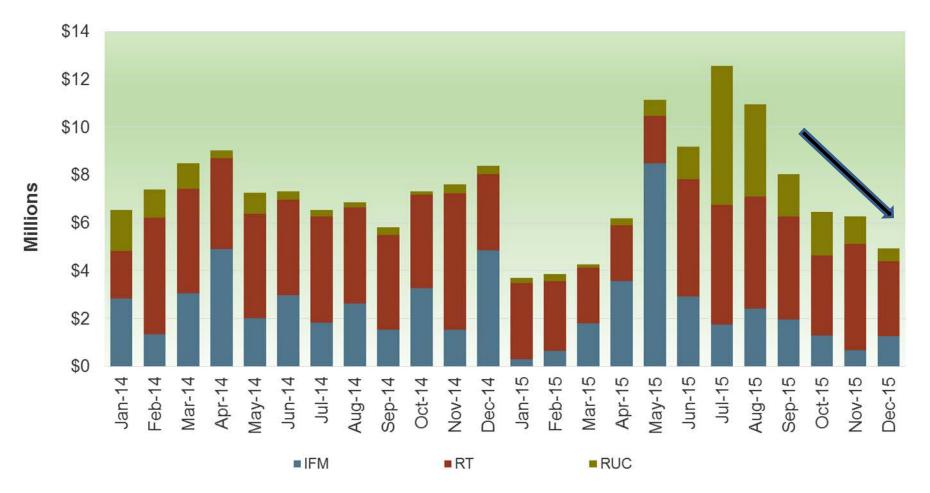
Board of Governors General Session February 3, 2016



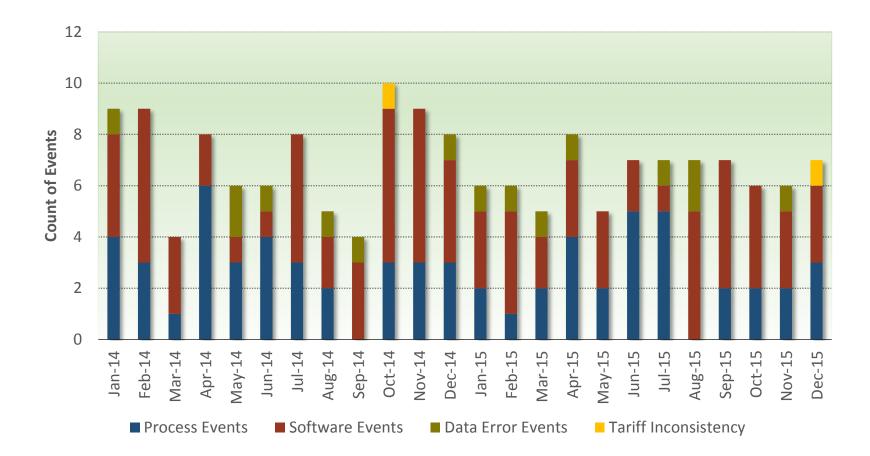
#### Average real-time energy prices in December were lower, driven by real-time congestion and downward load adjustment.



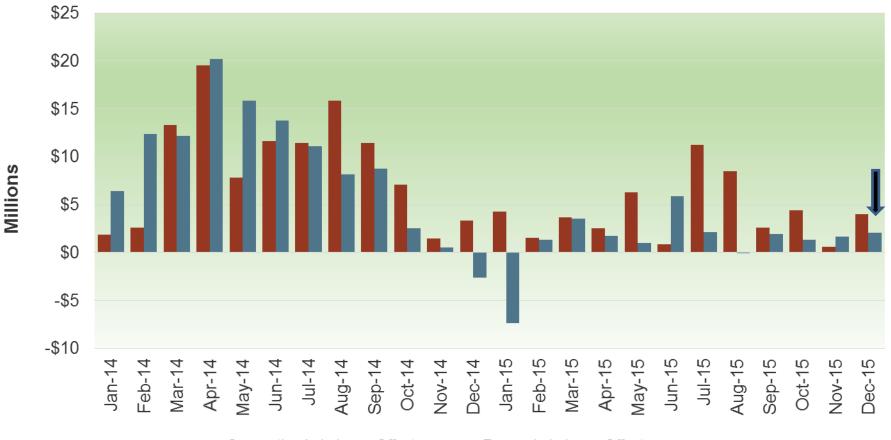
## Total bid cost recovery cost in the ISO area declined in December.



Price correction events in 2015 driven by software events and process-related events.



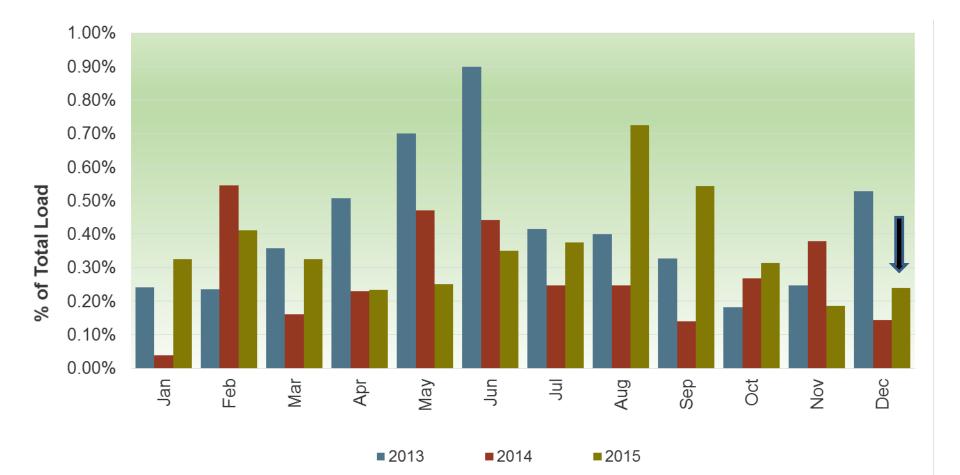
# ISO area real-time congestion and energy offset costs remained at a low level in December.



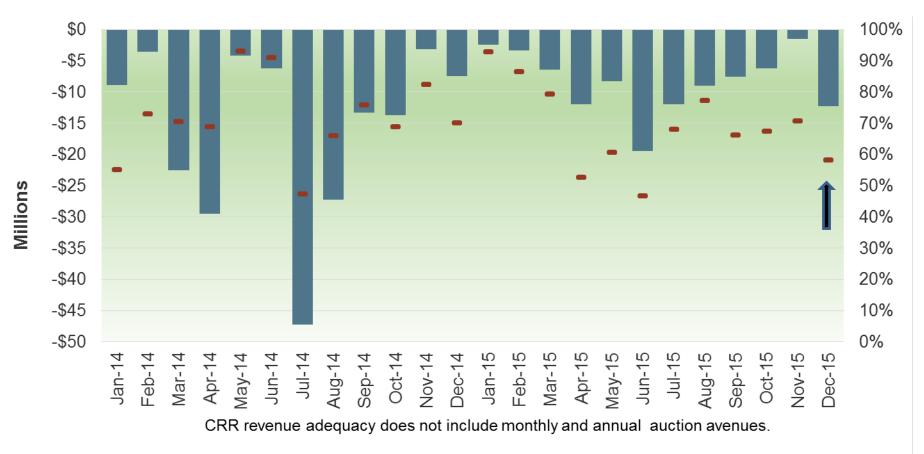
Congestion Imbalance Offset

Energy Imbalance Offset

## Exceptional dispatch volume in the ISO area stayed at a low level in December.



# Congestion revenue rights market revenue deficit was larger in December mainly due to an intertie de-rate.

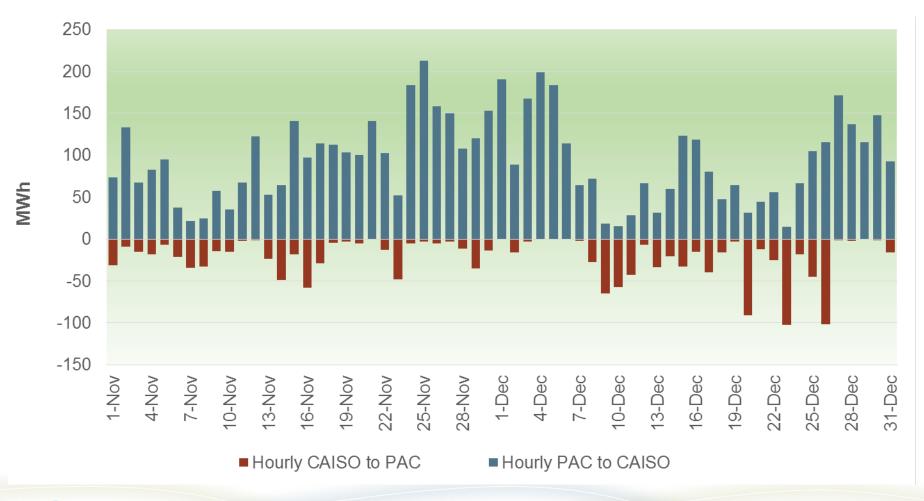


Revenue Adequacy

Percent of Revenue Adequacy

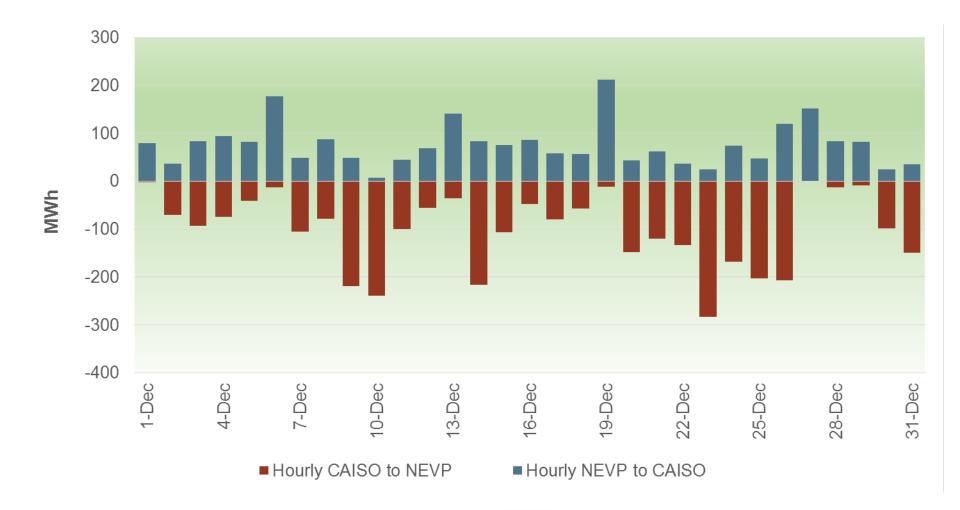


# Robust EIM transfer between PacifiCorp and ISO. Majority of the transfer flowed from PAC to ISO.



California ISO

EIM transfer between NEVP and ISO started in December.





# EIM transfer between PacifiCorp and NEVP started in December, mostly in the PACE to NEVP direction.

