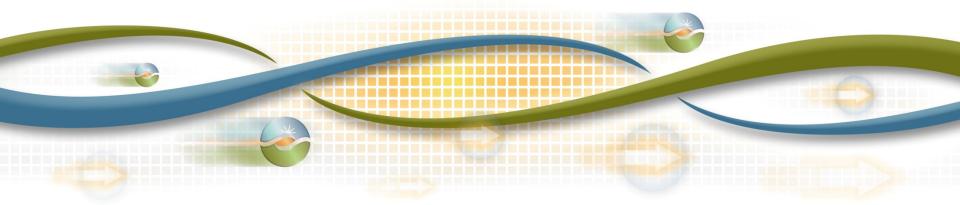


Ratepayer CRR Auction Losses

Congestion Revenue Right Analysis Working Group April 18th, 2017

Department of Market Monitoring Roger Avalos Lead Analyst



Transmission ratepayers obligated to pay for forward contracts offered by ISO

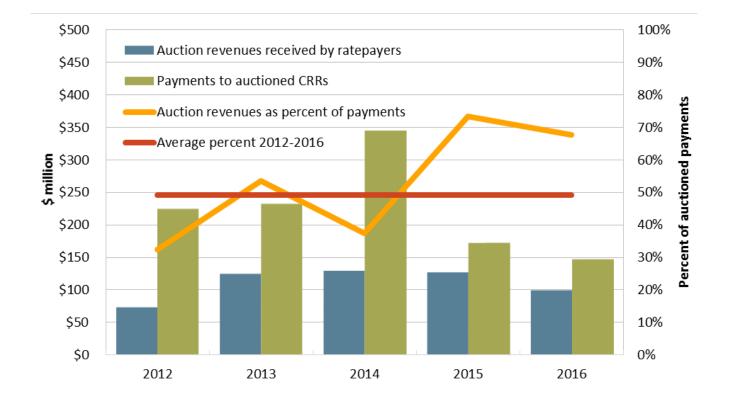
- Auctioned CRRs are forward locational price swaps
- ISO offers short positions backed by transmission ratepayers through auction limits
- Study trades not revenue adequacy

| CRR flow | | Long positions: -P ^{auc} +P ^{da} |
|-------------------|--------|---|
| Supply from limit | CRR CF | Short positions: +P ^{auc} -P ^{da} |



Transmission ratepayer losses in CRR auction

- Since 2012 over \$560 million in losses
- On average ratepayers received 49 cents per dollar paid out





CRR auction profits by entity type

