EIM benefits and implementations update

Guillermo Bautista Alderete, Ph.D.
Director – Market Analysis and Forecasting

Khaled Abdul-Rahman
Vice President, Power Systems and Market Technology

Board of Governors
General Session
December 17, 2021
$301.18 million gross economic benefits in Q3 2021

Record level of gross economic benefits driven by:

- Participation of five additional EIM entities
- Economic transfers among areas
- Displacement of highly-valued supply
Cumulative benefits through Q3 2021 reached $1.72 Billion
Energy imbalance market helps reduce curtailments

Avoided curtailments since 2015 represent a reduction of 655 equivalent Tons CO\textsubscript{2}
Volumes of wheel-through EIM transfers in Q3 2021 were generally lower than EIM imports/export volumes.
Robust energy transfers in Q3 2021 with changing patterns in September
Summer months saw higher average prices given tight supply conditions across the West.
Hourly average prices trend reflects summer conditions with high prices during peak hours.
EIM Implementation Status
EIM On-boarding update

- 2022 EIMs On-boarding status
  - Parallel operation started on 12/1/2021, targeting production on 3/2/2022
    - Avista Utilities
    - Bonneville Power Administration
    - Tacoma Power
  - Market sim started, targeting parallel operation on 2/1/2022, production on 4/1/2022
    - Tucson Electric Power

- 2023 EIMs On-boarding status – production 4/5/2023
  - SC applications, initial data submissions, physical meter assessment forms, train-the-trainer workshop registration
    - Avangrid
    - El Paso Electric
    - Western Area Power Administration - Desert South West