



California ISO



RC West

Model Validation Working Group MOD-33 Update

01/24/2024



California ISO



RC West

RC WEST PUBLIC

Page 1

- FAC-011-4 & FAC -014-3 change effective April 1st, 2024
- Facility Rating submission, Voltage limit submission and Stability limit submission change
- Acceptable System Performance Criteria change
- SOL Exceedance and Communication Update
- FAC-014-3 Planning Coordinator shall implement a documented process that is equally limiting or more limiting than RC SOL methodology

- Cold weather in North Western area from January 12th – 14th 2024. Multiple cases have been posted in RC portal
- Two WECC Planning Cases has been uploaded

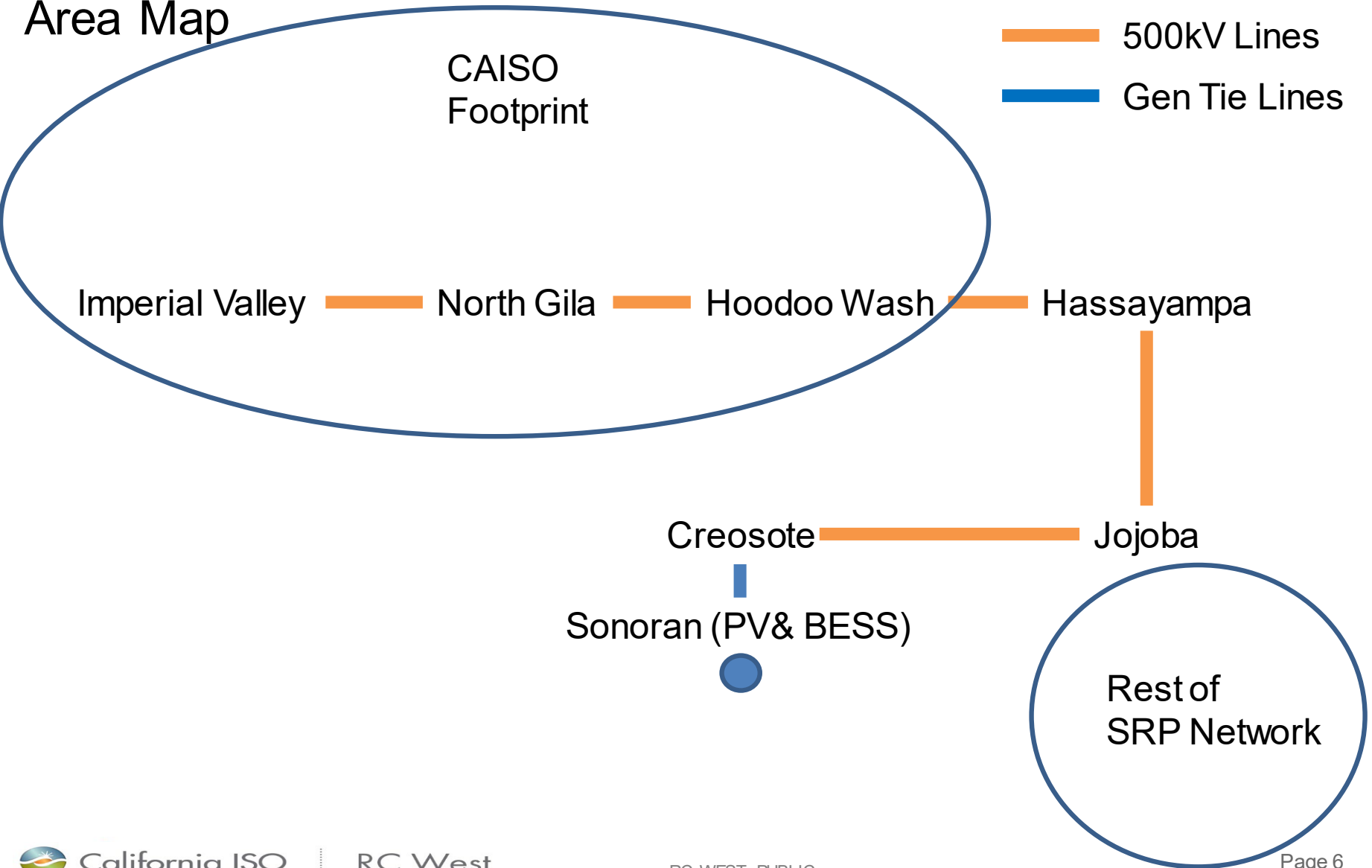
- RTDMS Tool – PMU data based tool to detect local and inter-area oscillation
 - SCE Devers area tool setup to capture renewable related oscillation

- RTDSA – Frequency Response Monitoring and Mitigation in production
 - Most Severe Single Contingency implementation – N-1-1 Scenarios in Southern California to limit maximum generation drop to 3068 MW
 - IBR modeling is implemented in SDGE area

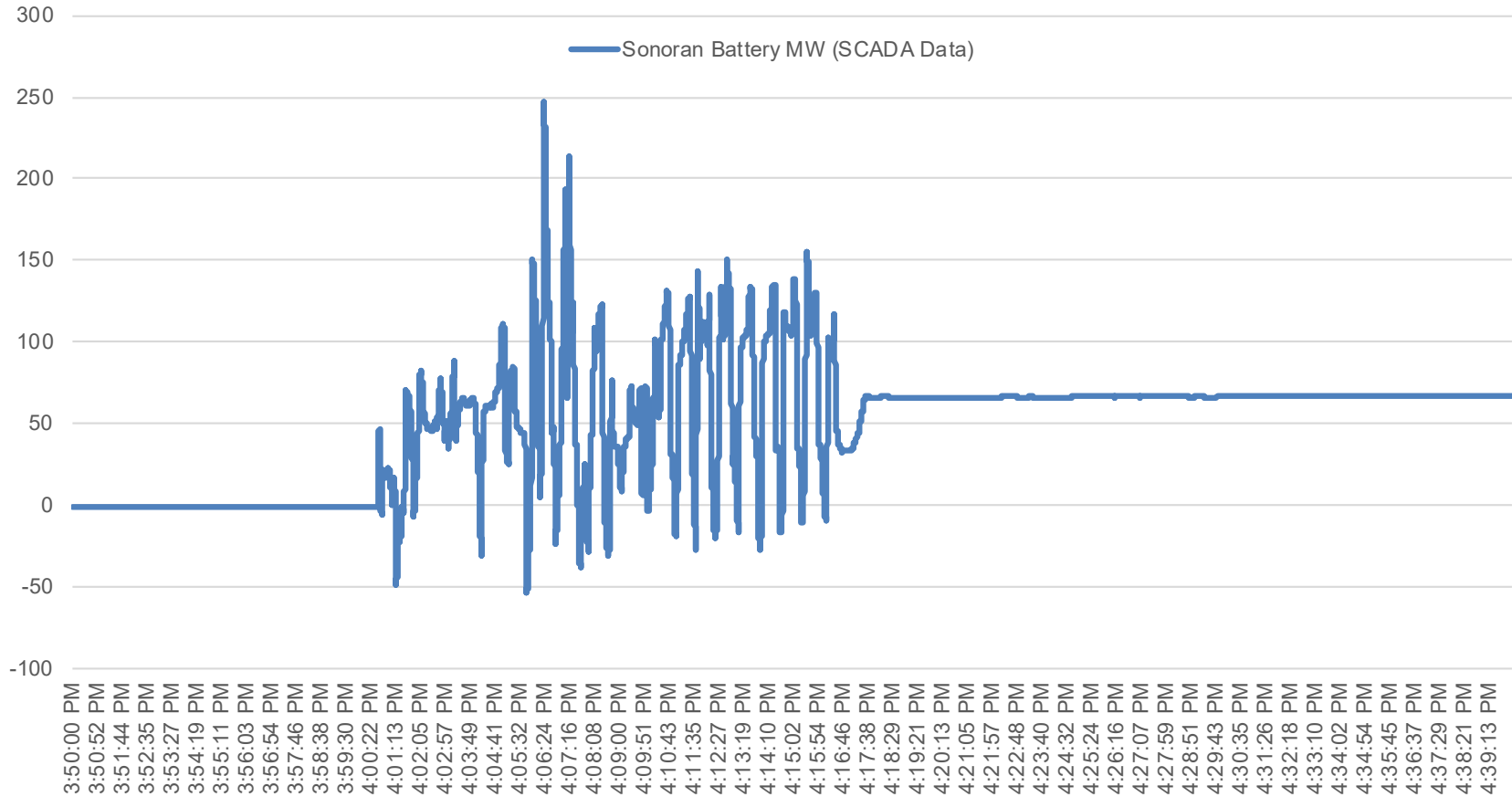
09/20/2023 Sonoran Battery Oscillation

- At 16:00, Sonoran Battery MW outputs begin to oscillate.
- Band 1 and band 2 oscillation observed in RTDMS.
- Forced Band 2 oscillation interacts with NS mode and results in resonance.
- N-S Low Damping biasing observed in RTDMS.
- MW Oscillation observed on major 500kV lines and frequency oscillation is also observed.
- At 16:16, Sonoran Battery issue is gone. Low Damping issue resolves at 16:33. System fully recovers thereafter.

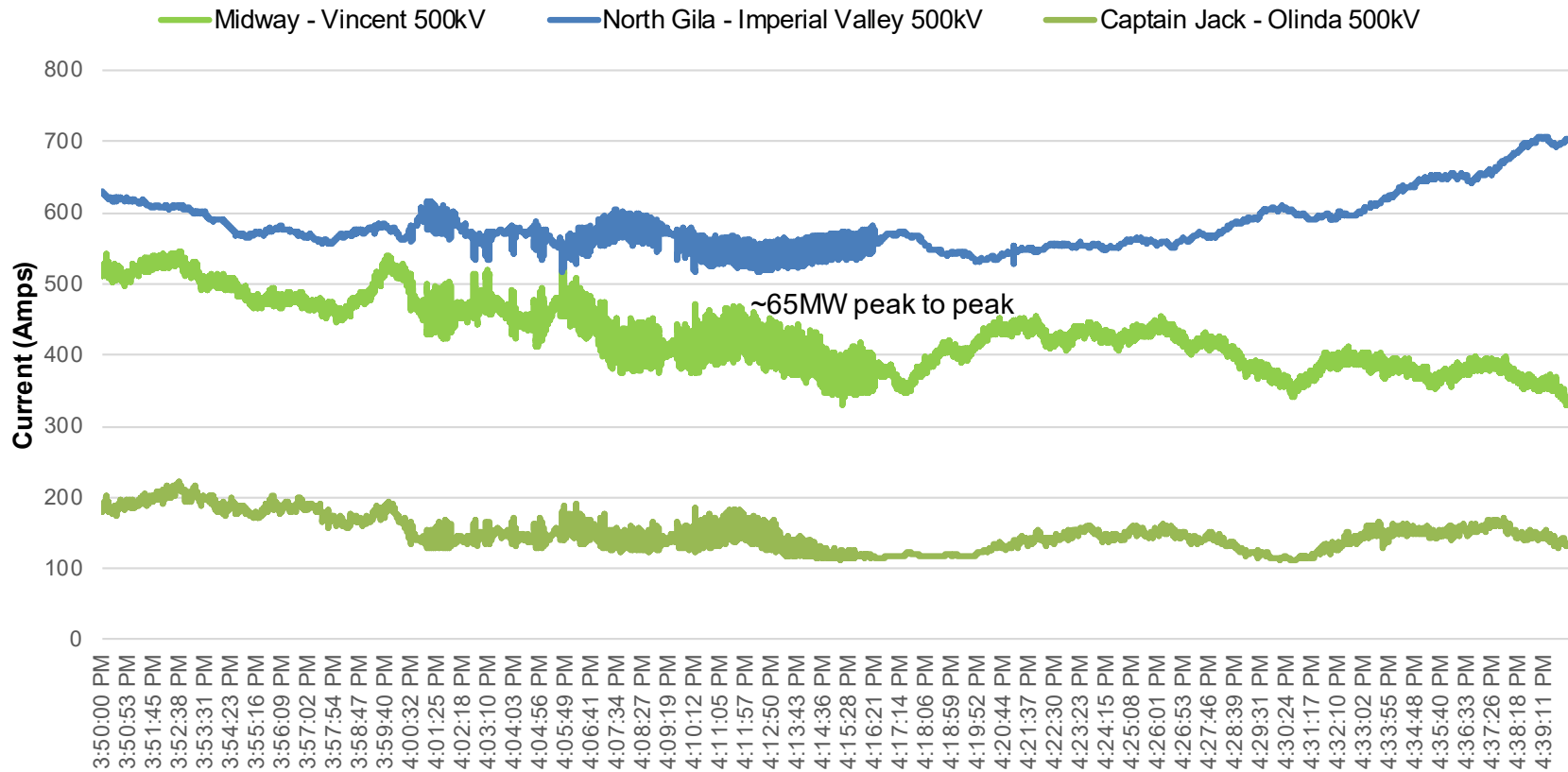
Area Map

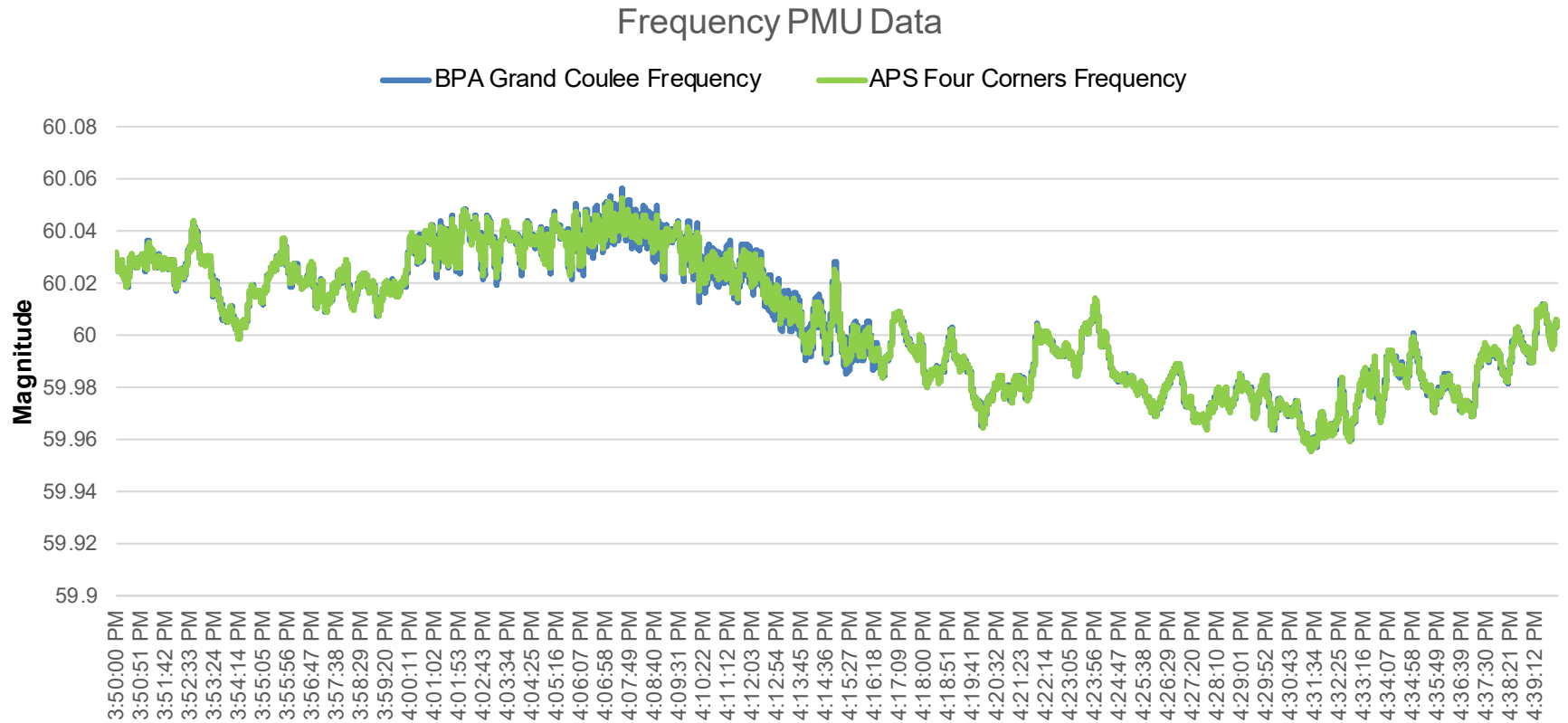


Battery Oscillation at Sonoran



Major CAISO 500KV Lines Current Magnitude (PMU Data)





<Public>