

# PacifiCorp Joint Owned Units

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## PacifiCorp Joint Owned Units

- PacifiCorp joint owned units (JOU) Participating in EIM:
  - Jim Bridger coal plant 66.7% PacifiCorp share of 2,123 MW facility
  - Wyodak coal plant 80% PacifiCorp share of 332 MW facility
- PacifiCorp JOUs not participating in EIM:
  - Hunter 1 93.75% PacifiCorp share of 446 MW
  - Hunter 2 60.31% PacifiCorp share of 446 MW

# EIM Participation

- PacifiCorp currently participates with its share of the Jim Bridger and Wyodak plant and the other owners share is pseudo-tied out of the control area
- Jim Bridger and Wyodak are set up with an allocator and the output from the allocators is used in the control area and it is also modeled as generation in the CAISO network model, with the other share modeled as a tie line
  - PacifiCorp began operations with the entire output from the Jim Bridger facility modeled in the EIM market, but it was changed in February 2016 due to issues that this caused for PacifiCorp in the market

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- PacifiCorp is currently exploring participation with Hunter 1 and Hunter 2
  - CAISO does not currently have a JOU model that allows one unit to be modeled as multiple individual units
  - PacifiCorp would potentially need to modify the network model to show PacifiCorp's share of each unit within the control area and the other shares would exit the control area and we would turn around and bring them back into the control area
    - Similar to how Wyodak and Jim Bridger are currently modeled

# EIM Challenges

- Participating with a JOU that has legacy contract obligations attached to it can be challenging at times
  - intra-hour schedule changes
  - PacifiCorp does not currently model uninstructed deviations on the Pseudo-tied share of its resource
  - Respecting physical plant minimums and plant maximums or “call options” on the unused share of the resource is complicated by the EIM on a JOU