2027 LRTP Load Assumptions and Scenarios

Assumptions – EV and BESS

- TOU EV Programs
  - Impacts of TOU rates will be baked into the load forecast for historical and forecasted units. It will be studied as a normal condition of the system.
- Event based EV Programs and BESS
  - Impacts of event based EV control and storage behavior will be utilized as a sensitivity in the event we see constraints within the 10 year horizon.
  - EV's enrolled in an event based program will be calculated into the unmanaged charging profile for the basecase scenarios.
- BESS – Future Units - > 1MW
  - Future projects with full toll agreements could be utilized in a sensitivity to resolve for constraints within the 10 year horizon.

Load Scenarios

- History
  - VT Policy dictates the high forecast
    - 2024 plan resulted in a very high load forecast and multiple transmission needs
    - VT DU's, VELCO feel the forecast was unattainably high
  - Low forecast was based on a statistic and economic driven forecast looking at available data without VT policy impacts.
    - Low forecast was studied, but minimally spoken to.

- VELCO's Proposal
  - ITRON to create two bookend forecasts
    - A strictly VT Policy forecast to be used for the high bookend
    - A historical data driven forecast to be used for the low forecast
  - VELCO to tweak inputs between the high and low forecast to come up with most likely "medium" scenario given feedback from VSPC.
    - This is the scenario that will be studied in detail and dictate necessary transmission upgrades and NTA analysis.