



# WECC Anchor Data Set— 2032 ADS Validation

November 10, 2022

Jamie Austin, Chair

# Overview

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## 2032 ADS \_V2.2

- Adding B2H data
- Phase Shifter Settings

# Adding B2H

# Adding B2H

## (Longhorn to Hemingway; alias, Boardman to Hemingway)

- Discussions are progressing among the partners on B2H: Idaho Power Company, PacifiCorp, and Bonneville Power Administration.
- IPC submitted two “epc” files:
  1. The “B2H.epc” file will add the Longhorn 500kV station, B2H, and some B2H integration projects in the Idaho Area.
  2. The Idaho upgrades adding B2H
    - a. 2<sup>nd</sup> Midpoint 500/345 transformer, and
    - b. Kinport–Midpoint 345kV series cap.
- Proposed is to add the “epc” files to the 2032 ADS, next version release

# Coordinated Phase Shifters Operation

Referenced Information: Role of the WIUFMP/QOO/UFC

(Igor Kormaz, Feb. 10, 2021), posted on the WECC site

# Western Interconnection Unscheduled Flow Mitigation Plan

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- **Purpose:** The purpose of the Western Interconnection Unscheduled Flow Mitigation Plan (WIUFMP) is to mitigate flows on Qualified Paths to reliable levels during real-time operations.
- **Applicable Entities:** All organizations that generate power, serve load, buy, sell, or transport energy within the Bulk Electric System of the Western Interconnection are subject to the WIUFMP.
- **Definitions:**
  - Qualified Controllable Device (QCD): A system element that has qualified for inclusion in the WIUFMP, individually or grouped.
  - Qualified Path (QP): A transmission element, or group of transmission elements, that has qualified for inclusion in the WIUFMP.
  - Administrator: The organization(s) or individual(s) designated with oversight, review, and implementation of the WIUFMP.

# WECC Committees

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## Qualified Owners and Operators Committee

- The QOO was established to implement the terms of the January 1, 2016, FERC-filed WIUFMP.
- The QOO is the governing body for the WIUFMP.

## Unscheduled Flow Committee

- UFC was established by, and reports to, the QOO.
- UFC interprets the provisions of the WIUFMP, and successor documents guiding the Western Interconnection's unscheduled flow program and recommends changes to the QOO as required or deemed necessary.

# SPP Administrator's Role

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- The Qualified Controllable Device owners and Transmission Operators of Qualified Paths selected Southwest Power Pool, Inc. to administer WIUFMP, beginning in 2018.
- As Administrator, SPP works with the UFC for its technical advisory support and the QOO for its governance of the WIUFMP.
- Any entity seeking to add or remove an element for coordinated operation or to add or remove a path for mitigation under the WIUFMP shall demonstrate to SPP that (i) it meets the applicable criteria specified below, and (ii) procedures are in place to ensure that adequate communication and coordination will occur between the operator of the element and all appropriate reliability entities.



# Qualified Paths and Devices

Qualified Device	Voting Entity
QC Device – TOT2A – Waterflow (1&2) & Shiprock (1&2)	WAPA
QC Device – Pinto – (4,5, & 6)	PAC
QC Device – Sigurd	PAC
QC Device – Harry Allen (1 &2)	NV Energy
QC Device – Billings	NWMT
QC Device – Gladstone	Tri-State
QC Device – Crossover	NWMT
Qualified Path	
Path 66 – COI	CAISO
Path 30 – TOT1A	WAPA
Path 31 – TOT2A	WAPA
Path 36 – TOT3	WAPA

# Coordinated Phase Shifter Settings

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Transmission Operators of Qualified Paths may use the WIUFMP to reduce flows on Qualified Paths. The process has four steps:

Step 1: The Transmission Operator advises their RC of the situation and their intended actions.

Step 2: Transmission Operator uses their own equipment to reduce unscheduled flows on the Qualified Path.

Step 3: The Transmission Operator requests the coordinated operation of Qualified Controllable Devices to mitigate unscheduled flows on the Qualified Path.

Step 4: The Transmission Operator requests curtailments in conjunction with the coordinated operation of Qualified Controllable Devices to mitigate unscheduled flows on the Qualified Path.



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