



Subcommittee on Pure Water Southern California  
and Regional Conveyance

# State Water Project Dependent Areas Drought Mitigation Update

Item 3e  
March 26, 2024

# Item 3e State Water Project Dependent Areas Drought Mitigation Update

## Subject

State Water Project Dependent Areas Drought Mitigation Update

## Purpose

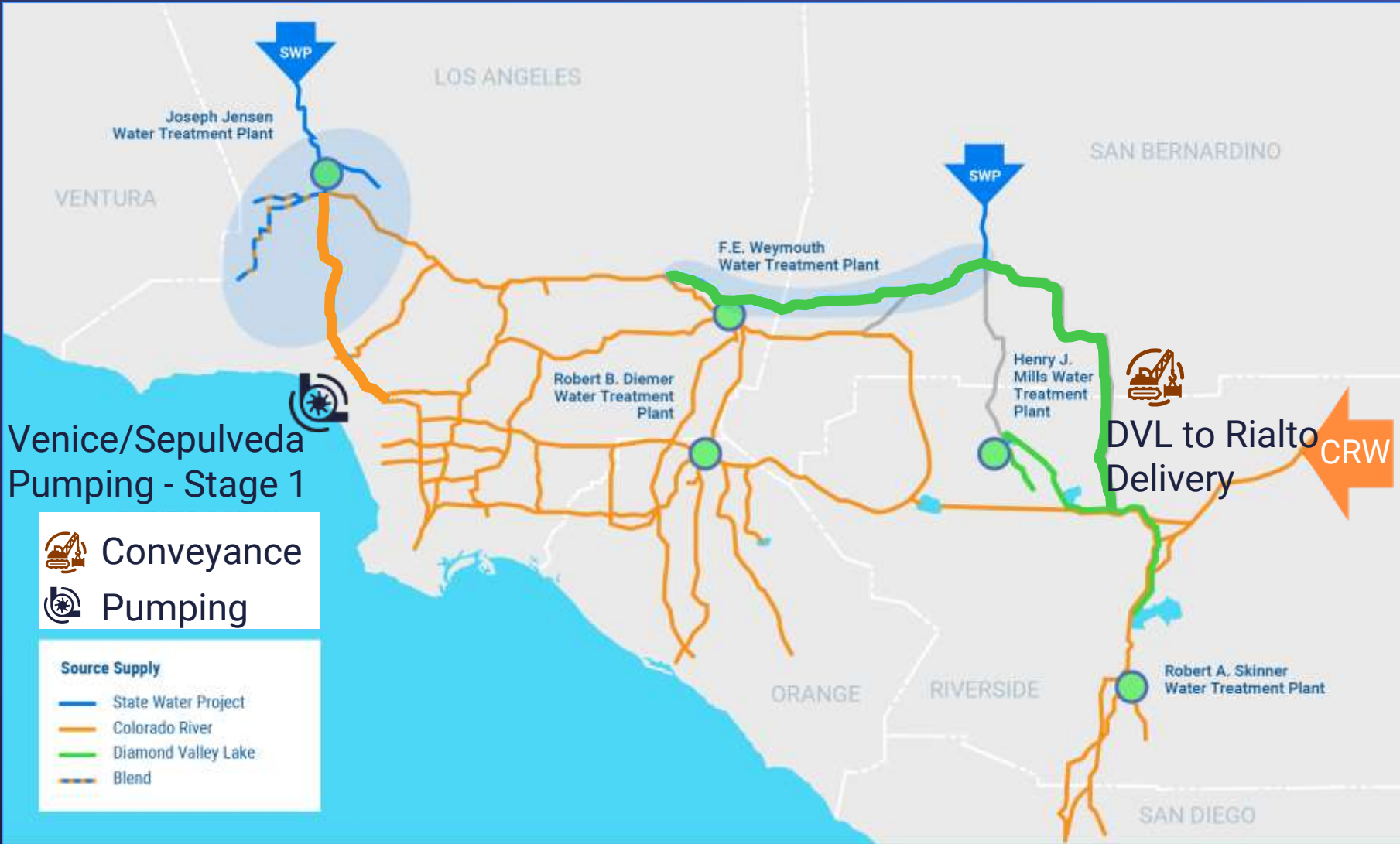
To provide an update on the implementation status of near-term projects in the drought mitigation actions portfolio

## Next Steps

Continue implementation of near-term projects

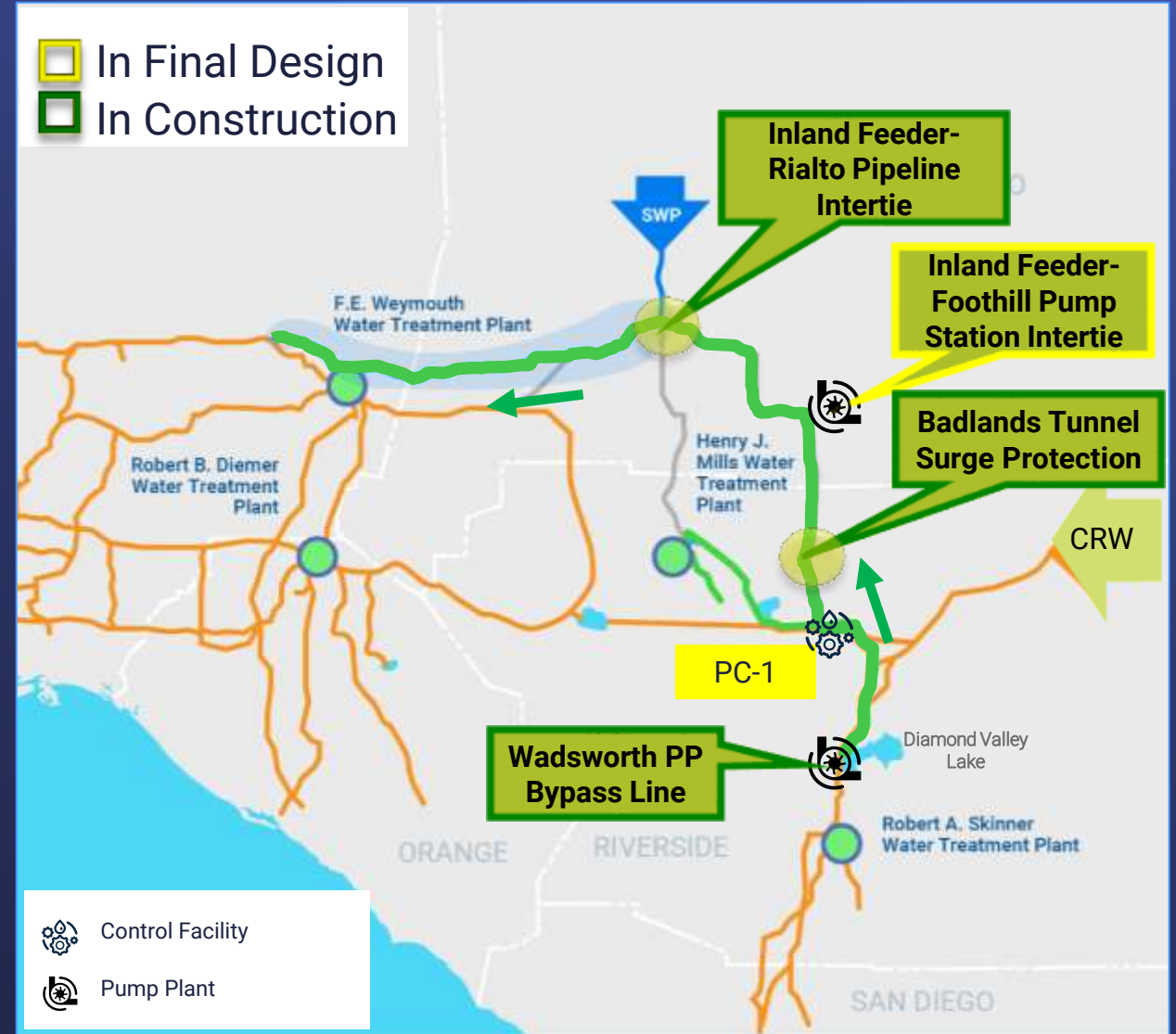
Long-term projects under evaluation by CAMP4W

# Near-Term Drought Mitigation Projects



# DVL to Rialto Pipeline Delivery

- **Summary of program scope**
  - Four inter-related projects
  - Maximizes use of existing infrastructure
  - Up to 120 cfs with full build-out
- **Program status**
  - Three projects in construction
  - One project in final design
  - Estimated completion in late 2027
  - \$50M State grant
    - Invoiced State \$2.2 M to date





# DVL to Rialto Construction

- **Wadsworth Pump Plant Bypass Line**
  - Construct 600 feet of 96-inch diameter bypass pipeline & isolation valve
  - Allows continuous pumping operation
- **Badlands Tunnel Surge Protection**
  - Install passive surge protection system
  - Protects Inland Feeder from surge pressure shocks due to pump trips
- **Inland Feeder/Rialto Pipeline Intertie**
  - Construct 250 feet of 96-inch diameter WSP intertie pipeline & isolation valve
  - Provides direct connection between Inland Feeder & Rialto Pipeline



New Vault Structure at Wadsworth Power Plant

# Wadsworth Pump Plant Bypass Line

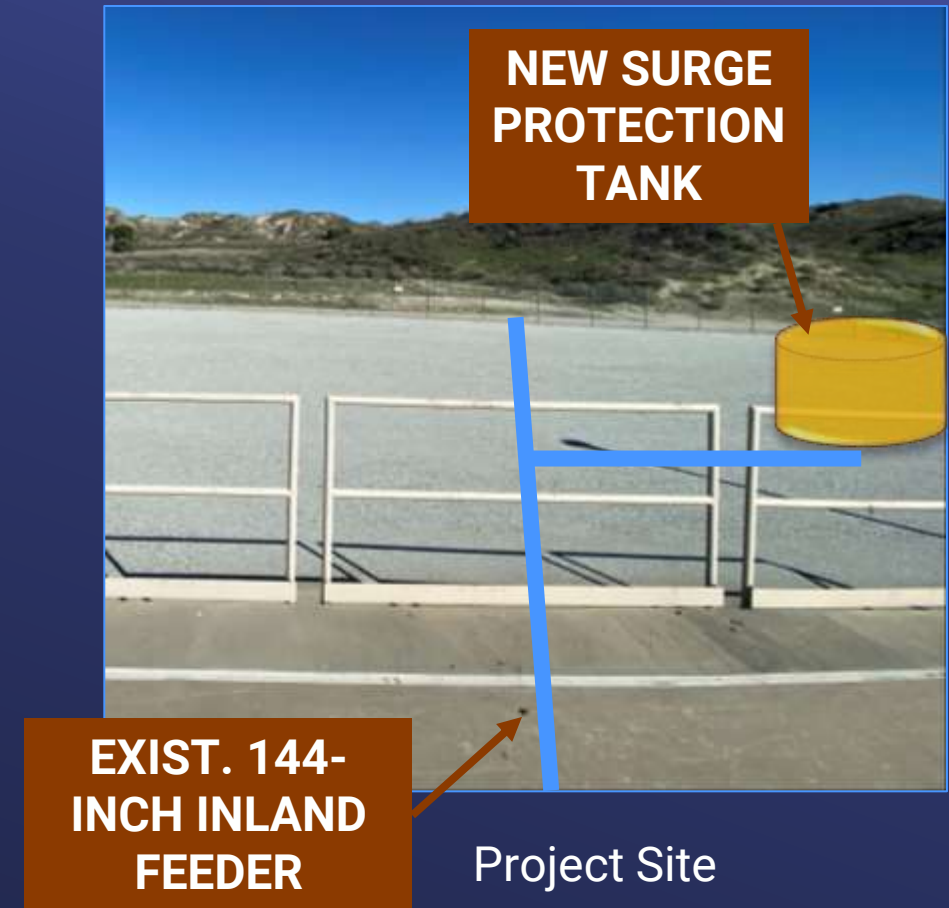
- **Contract Details**
  - Amount: \$14,820,500
  - Contractor: Steve P. Rados Inc.
  - Award Date: Jan. 2023
  - Scheduled Completion: Jul. 2024
- **Current Status**
  - 65% complete
  - Installing & welding steel pipe
  - Installing formwork for encasement
- **Upcoming Milestone**
  - Construct tie-in during April 2024 Inland Feeder shutdown



Welding Buttstrap

# Badlands Tunnel Surge Protection

- **Contract Details**
  - Amount: \$18,840,000
  - Contractor: Steve P. Rados Inc.
  - Award Date: Nov. 2023
  - Scheduled Completion: Summer 2025
- **Current Status**
  - 4% complete
  - Mobilizing to site
  - Installing BMPs
- **Upcoming Milestone**
  - Construct tie-in during April 2025 Inland Feeder shutdown





# Inland Feeder-Rialto Pipeline Intertie

- **Contract Details**
  - Amount: \$15,681,000
  - Contractor: Steve P. Rados Inc.
  - Award Date: Sep. 2023
  - Scheduled Completion: Summer 2025
- **Current Status**
  - 4% complete
  - Clearing & grubbing
  - Installing BMPs
- **Upcoming Milestone**
  - Construct tie-in during April 2025 Inland Feeder shutdown



Aerial View of Project Site



# DVL to Rialto Pipeline Valve Procurement

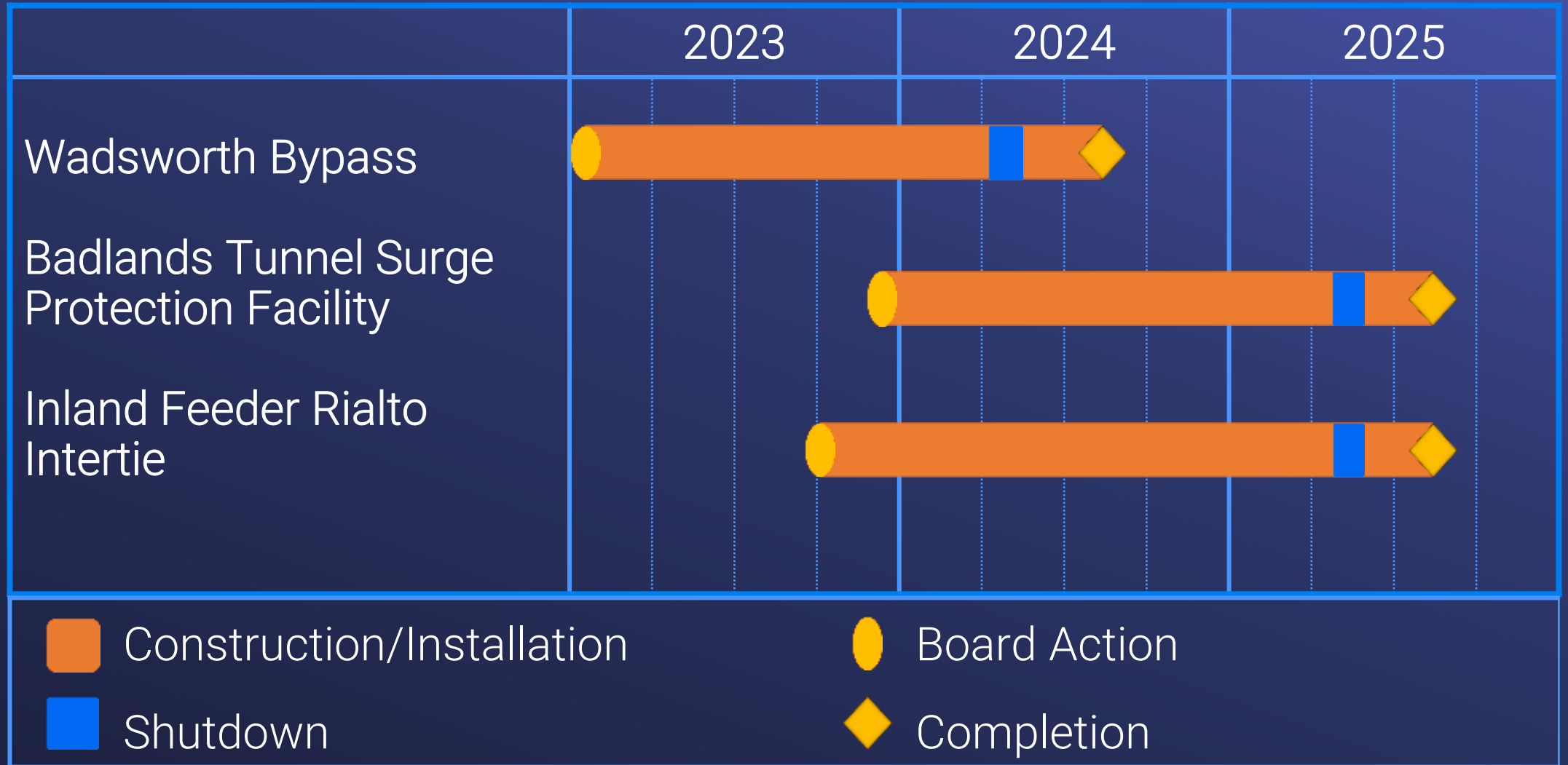
- Butterfly Valves for Wadsworth Bypass Pipeline, Inland Feeder – Rialto Pipeline Intertie, and Badlands Tunnel Surge Protection
  - Three 84-inch diameter valves
  - Amount: \$5,647,405
  - Contractor: Sojitz Machinery Corp of America
  - Award Date: Aug. 2022
  - Completed valve assembly
  - Performed functional & leak testing
  - Started exterior coating



# DVL to Rialto Pipeline Valve Procurement

- **Butterfly Valves for Foothill Pump Station Intertie**
  - Two 54-inch diameter valves
  - Amount: \$2,601,437
  - Contractor: Sojitz Machinery Corp of America
  - Award Date: May 2023
  - Submittals review in progress
- **Butterfly Valve for Foothill Pump Station Intertie**
  - One 132-inch diameter valve
  - Amount: \$1,779,174
  - Contractor: Vogt Valves
  - Award Date: Mar. 2024

# Construction Schedule





# Inland Feeder-Foothill Pump Station Intertie

- **Summary of project scope**

- Collaborative effort with San Bernardino Valley MWD (SBVMWD)
- Connect Inland Feeder with SBVMWD's Foothill Pump Station
- Construct supply and discharge pipelines, isolation valves, and surge tanks
- Utilize two-stage construction to expedite installation

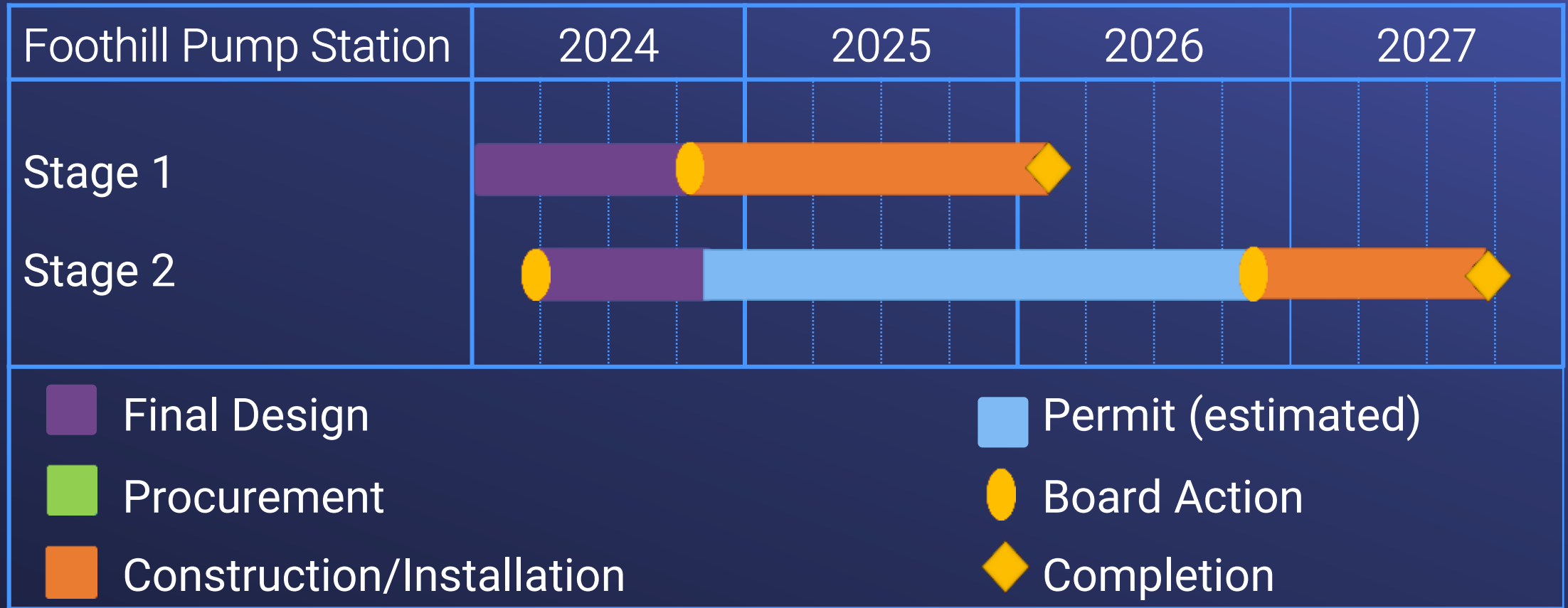
- **Project status**

- Finalizing CEQA documents
- Pending Fish & Wildlife permit and BLM right-of-way acquisition



Existing Foothill Pump Station

# Inland Feeder-Foothill Pump Station Intertie



- The project was originally estimated to be completed as a single-stage project by mid-2025
- Stage 2 completion may be accelerated if Federal nexus on permitting is achieved

# Foothill Pump Station Intertie

## On-going partnership with SBVMWD

- Provides mutual benefits
- Bi-weekly project update meeting with SBVMWD
- Draft Joint Operation Agreement under review
- Biological data shared to benefit both agencies
- Joint coordination with Fish & Wildlife



Virtual Meeting to Discuss Terms of  
Joint Operation Agreement



Biological Site Survey with  
SBVMWD Staff

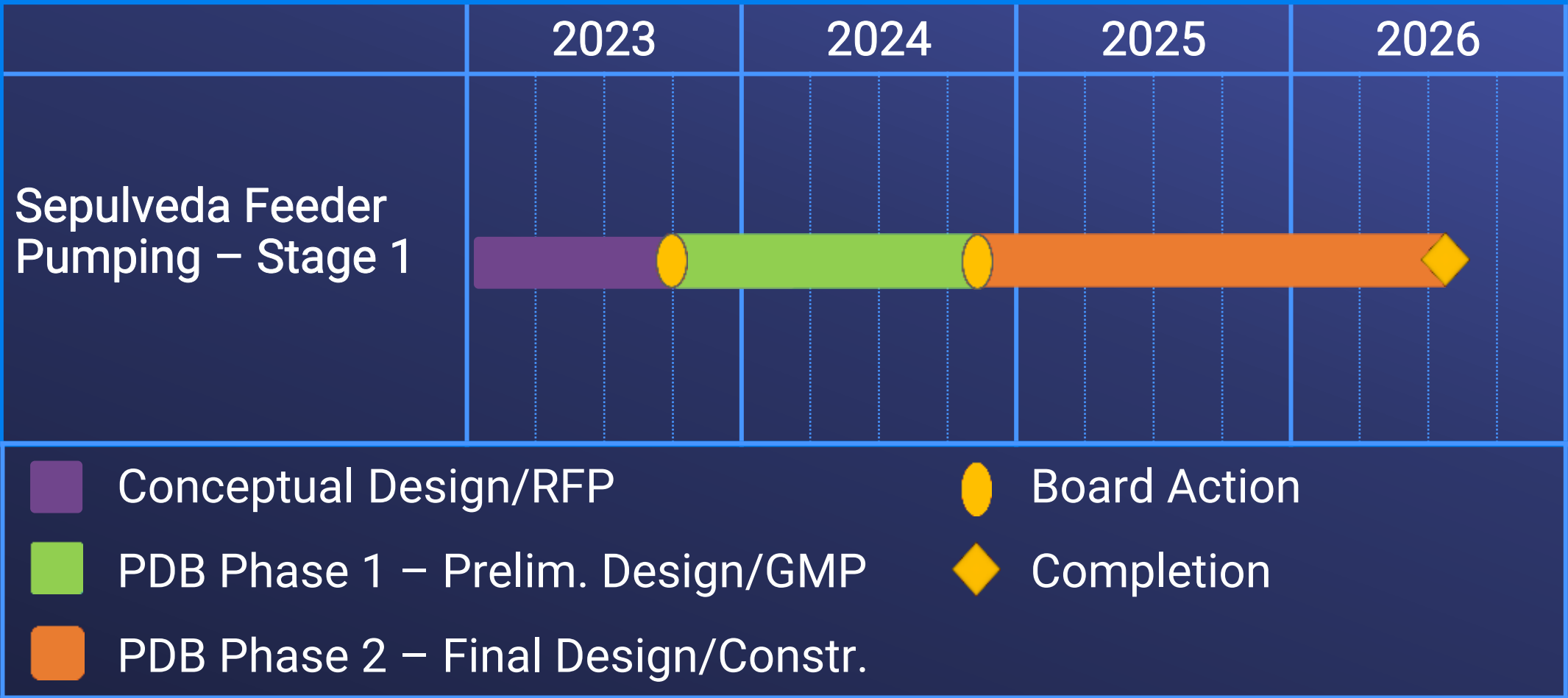


# Sepulveda Feeder Pumping – Stage 1

- Purpose
  - Augment existing Greg Ave Pump Station to provide up to 30 cfs to Jensen exclusive area on west side
- Project
  - Reverse flow in the Sepulveda Feeder
  - Install pumping stations at two existing pressure control structures
  - Utilize Progressive Design-Build project delivery model
    - Expedite schedule
    - Potential for innovative design ideas



# Sepulveda Feeder Pumping – Stage 1



# Next Steps

- Continue implementation of near-term projects
  - Pursue Federal nexus on Foothill Pump Station project permitting
  - Work towards development of Guaranteed Maximum Price for Sepulveda Pump Stations project
  - Quarterly reporting to the subcommittee
- Continue collaboration on member agency projects
  - Burbank B-5 to B-5A Shift
  - TVMWD Miramar Pumpback Upgrade
- Support the CAMP4W process to evaluate mid and long-term projects
  - Provide periodic updates to the subcommittee



