



Subcommittee on Pure Water Southern California
and Regional Conveyance

State Water Project Dependent Areas Drought Mitigation Update

Item 3d
June 25, 2024

Item 3d
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

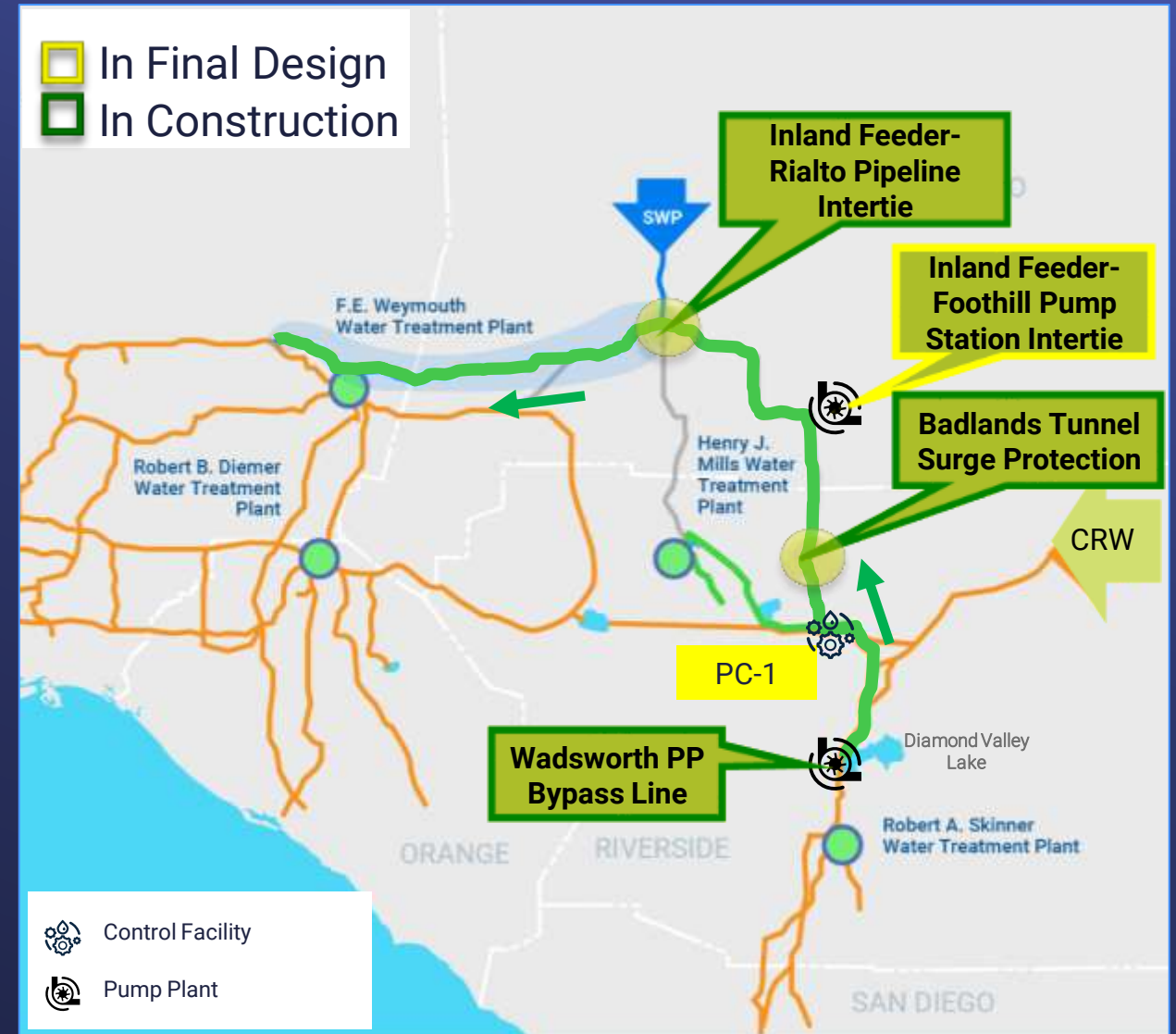
Continue implementation of near-term projects
Long-term projects under evaluation by CAMP4W

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 & permitting
 - Estimated completion in late 2027
 - \$50M State grant
 - Invoiced State \$11.6M 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 steel intertie pipeline & isolation valve
 - Provides direct connection between Inland Feeder & Rialto Pipeline



Wadsworth Bypass Shutdown work

Wadsworth Pump Plant Bypass Line

- **Contract Details**

- Amount: \$14,820,500
- Contractor: Steve P. Rados Inc.
- Award Date: Jan. 2023
- Planned Completion: Summer 2025

- **Current Status**

- 85% complete
- All tie-in work completed in April 2024
- Delay in completion for long-lead equipment

- **Upcoming Milestone**

- Consider change order to add needed valve installation in Aug. 2024



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**
 - 9% complete
 - Completed valve vault & surge tank foundation excavation
- **Upcoming Milestone**
 - Placement of valve vault & surge tank slabs



Installation of formwork and rebar at project site

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**
 - 12% complete
 - Valve vault construction underway
- **Upcoming Milestone**
 - Form valve vault foundation slab



Preparation of Valve Vault Foundation

DVL to Rialto Pipeline Valve Procurement

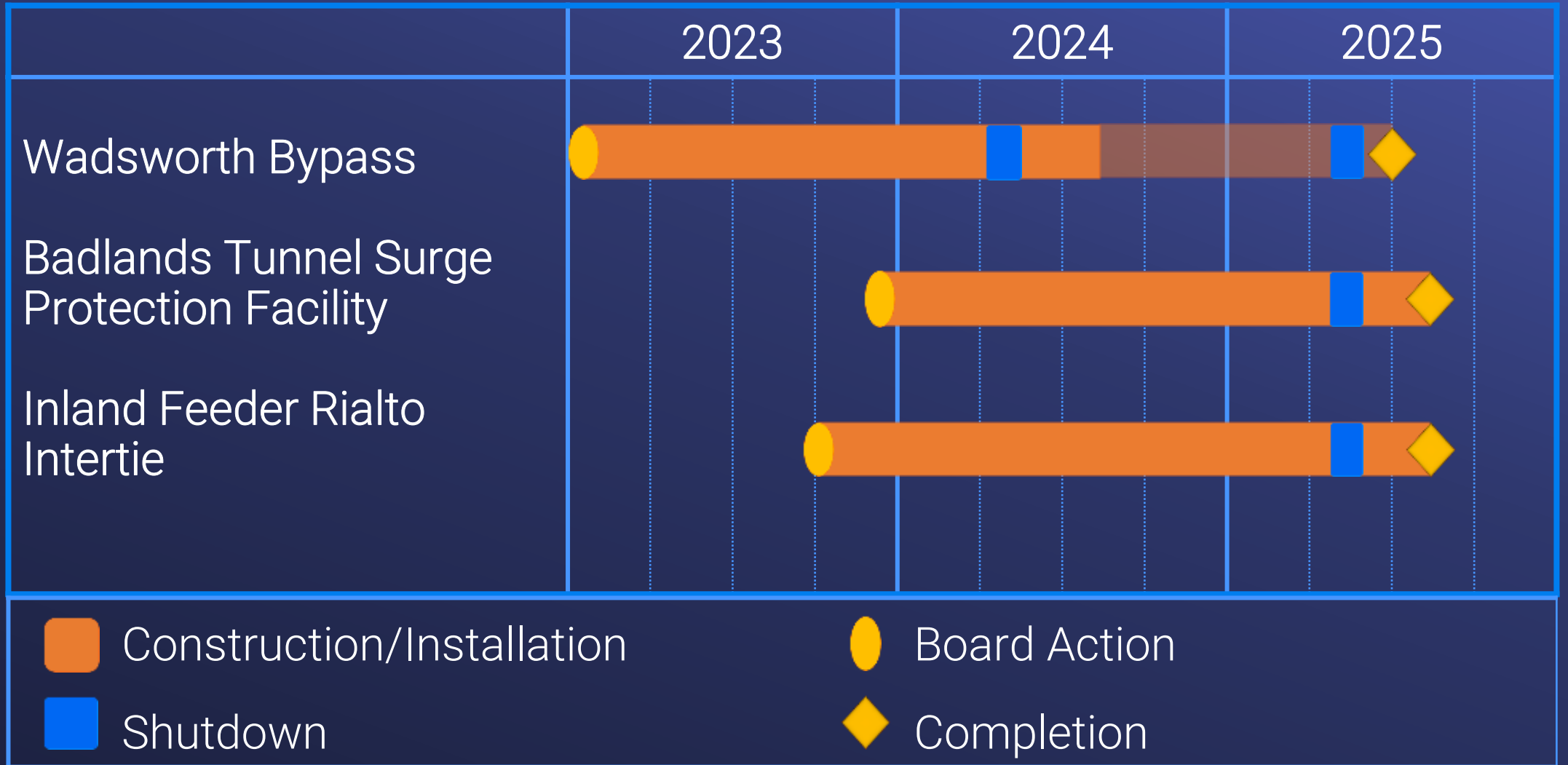
- Butterfly Valves for Wadsworth Bypass Pipeline, Inland Feeder – Rialto Pipeline Intertie, and Badlands Tunnel Surge Protection
 - Three 84-inch diameter valves
 - Amount: \$5,647,405
 - Contractor: Sojitz Machinery Corp of America
 - Award Date: Aug. 2022
- **Current Status**
 - Valves shipped from Port of Osaka, Japan
- **Upcoming Milestone**
 - Valve delivery anticipated early July 2024



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
 - Vendor is procuring materials for fabrication
- **Butterfly Valve for Foothill Pump Station Intertie**
 - One 132-inch diameter valve
 - Amount: \$1,779,174
 - Contractor: Vogt Valves
 - Award Date: Mar. 2024
 - Vendor is preparing submittals for review

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 & discharge pipelines, isolation valves & surge tanks

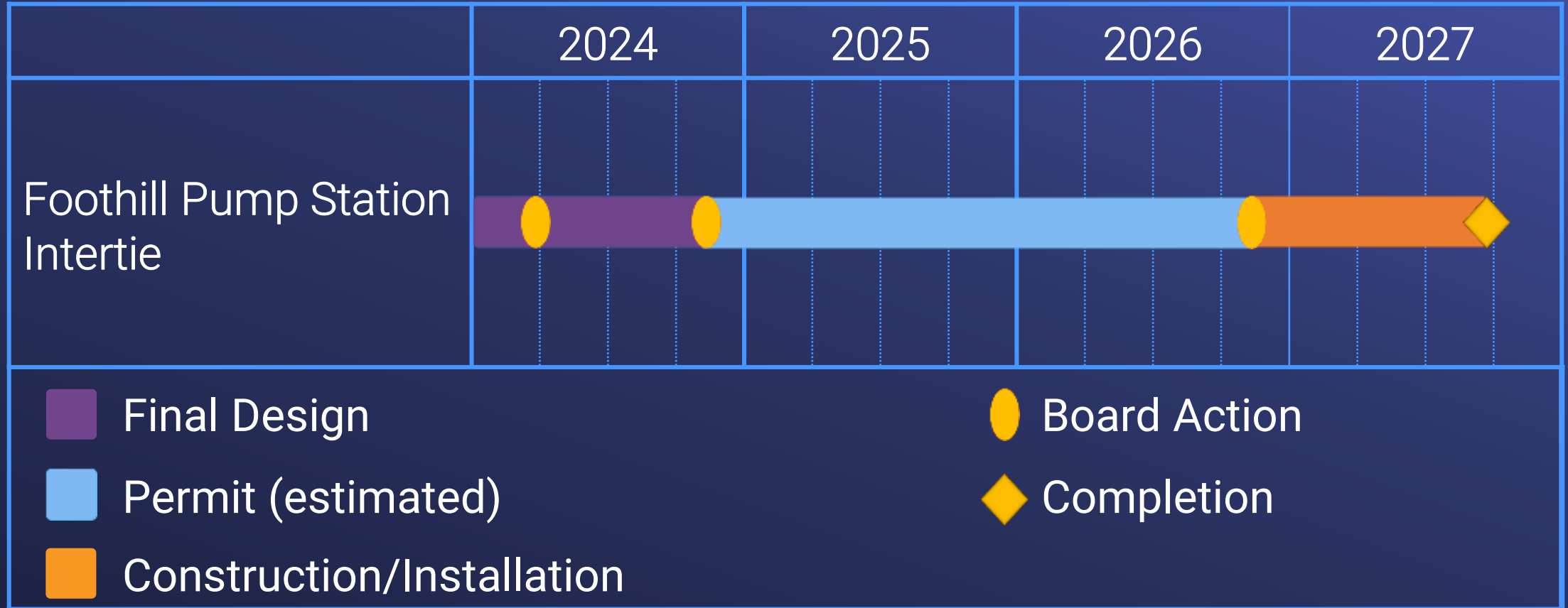
- **Project Status**

- Finalizing CEQA documents - August Board action
- Pending Fish & Wildlife permit & BLM right-of-way acquisition



Existing Foothill Pump Station

Inland Feeder-Foothill Pump Station Intertie



- The project was originally estimated to be completed by mid-2025
- 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



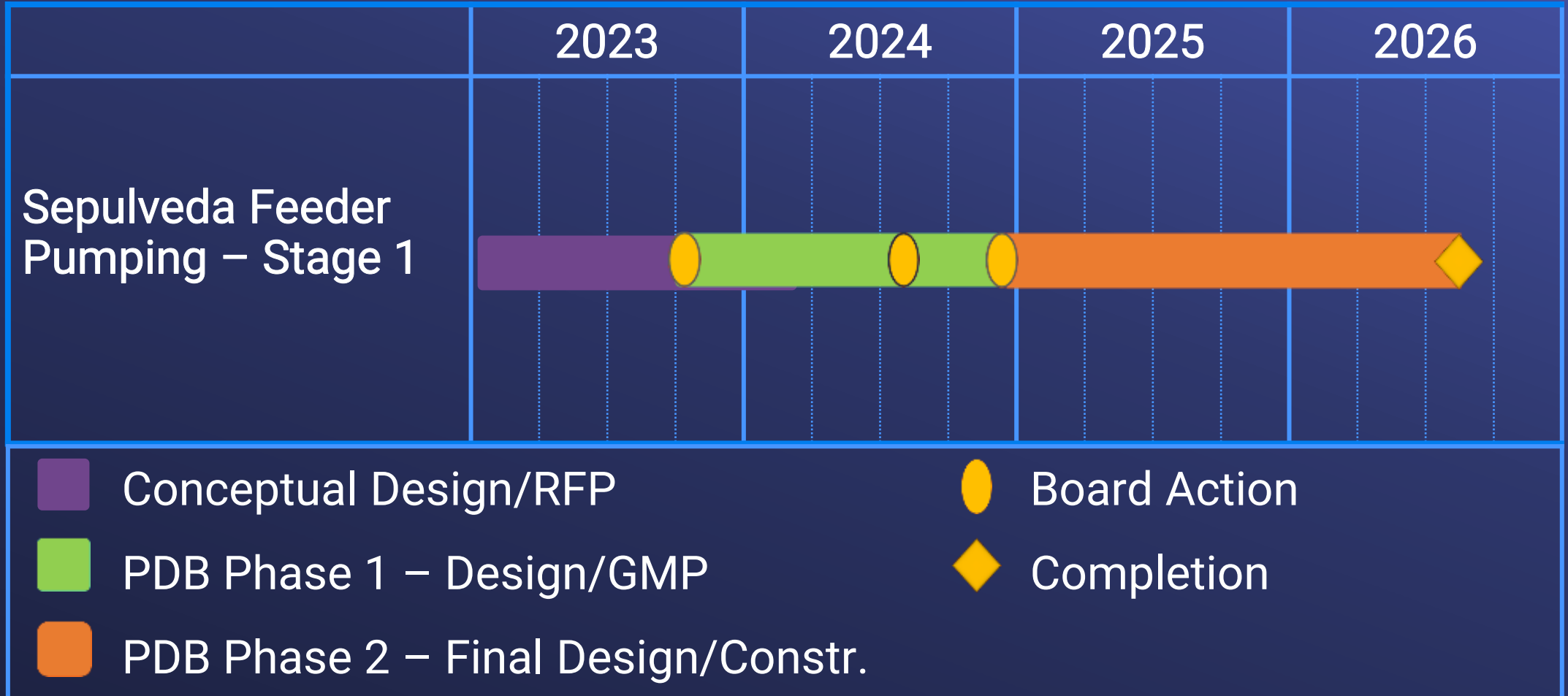
Biological Site Survey with
SBVMWD Staff

Sepulveda Feeder Pumping – Stage 1

- **Purpose**
 - Augments existing Greg Ave Pump Station to provide 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
- **Status**
 - Design ±40% complete
 - Equipment procurement – July 2024



Sepulveda Feeder Pumping – Stage 1



Next Steps

- Continue implementation of near-term projects
 - Authorize amendment for Sepulveda Pump Sta. procurement (Jul-24)
 - Certify CEQA documentation & grant agreement for Foothill Pump Sta. (Aug-24)
 - Consider change order to Wadsworth Bypass for valve installation (Aug-24)
 - 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

