

Nichols Dam Outlet Works Rehabilitation Project Update

Public Works and Utilities Committee –
May 19, 2025

Taylor Jurgens – Engineer, Water Division

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Project Overview

- Two categories of improvements
 - Dam Safety – Address potential failure modes
 - Conduit lining
 - Dam embankment filter
 - Non-Dam Safety – Everything else
 - Intake structure modifications
 - Nichols and CRWTP valve vaults
 - VSA building and aeration system
- Notice to Proceed issued October 2023 to CF Padilla, LLC



Current Status

- Approximately 75% complete
- Construction began Spring 2024
- Anticipated dam safety completion – June 2025
- Anticipated substantial completion – October 2025



Financials

- Original Contract = \$16,967,506
- Amendments 1 & 2 = \$2,266,021
- Current Contract = \$19,233,527
- Original Engineer's OPCC = \$18,600,000 (2022)
- Billed to Date = \$13,678,717 (72% billed)
- NMFA Water Trust Board Funding = \$5,500,000 (60% Grant, 40% Loan)
- CWSRF Loan at 0.01% = Remaining balance not covered by WTB



Work Completed to Date

- Valve vaults at Nichols and CRWTP
- Conduit slip-lining and grouting
- Intake structure piping demolition and knife gate installation
- Acequia, CRWTP, and living river flows maintained



Work Remaining

- Filter diaphragm and dam embankment
- Outlet conduit piping and raw water connection
- Nichols vault piping
- VSA building and aeration system
- Electrical and SCADA



Construction Photos



Drained reservoir and cofferdam



Pulling the reservoir “plug”



CRWTP valve vault



Outlet conduit slip-lining



Nichols valve vault



Nichols valve vault



VSA building



Any Questions?

