

RESOLUTION NO. 736

**RESOLUTION OF THE GOVERNING BOARD OF THE
CACHUMA OPERATION & MAINTENANCE BOARD ADOPTING
THE SECOND AMENDMENT TO
THE COMB 2021-2025 INFRASTRUCTURE IMPROVEMENT PLAN**

WHEREAS, the Cachuma Operation & Maintenance Board ("COMB") is a joint powers authority and public entity, organized and existing in the County of Santa Barbara in accordance with Government Code Section 6500 et seq., and operating pursuant to the 1996 Amended and Restated Agreement for the Establishment of a Board of Control to Operate and Maintain the Cachuma Project - Cachuma Operation And Maintenance Board, dated May 23, 1996 ("Amended and Restated Agreement"), as amended by an Amendment to the Amended and Restated Agreement made effective September 16, 2003, and a Second Amendment to the Amended and Restated Agreement made effective November 20, 2018 (collectively the "Joint Powers Agreement"); and

WHEREAS, the Member Agencies of COMB are the Goleta Water District, the City of Santa Barbara, the Montecito Water District, and the Carpinteria Valley Water District; and

WHEREAS, COMB operates and maintains Cachuma Project facilities pursuant to a Transfer of Operation and Maintenance Contract with the United States Bureau of Reclamation, including the North Portal Intake Tower, the Tecolote Tunnel, the South Coast Conduit, the Sheffield Tunnel, four regulating reservoirs, flow control valves, meters, instrumentation at control stations, turnouts and appurtenant structures along the entire system; and

WHEREAS, the Five-Year 2021-2025 Infrastructure Improvement Plan ("IIP"), which contemplates certain projects, was initially adopted by the COMB Governing Board in February 2020, then subsequently amended in April 2021 ("First Amendment"); and

WHEREAS, each year, in conjunction with preparation of COMB's annual Operating Budget, the Governing Board reviews the upcoming infrastructure needs and related projects for COMB based on current conditions and priorities; and

WHEREAS, more detailed cost/benefit information, including potential funding offsets, is now available for certain infrastructure improvement projects; and

WHEREAS, since the initial adoption of the current IIP and First Amendment, project budgets and scheduling adjustments are necessary primarily due to declared drought conditions, shutdown limitations, results of completed engineering evaluations and potential funding offsets; and

WHEREAS, a second amendment to the IIP is necessary and will facilitate the decision-making process for allocation of resources to help ensure the delivery of quality, reliable water to the COMB Member Agencies ("Second Amendment"); and

WHEREAS, the proposed Second Amendment to the IIP is presented to the Governing Board with a recommendation to approve and adopt that amendment.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF COMB AS FOLLOWS:

1. The Governing Board finds and determines that the facts set forth in the above recitals and in the documents referenced herein are true and correct.

2. The Governing Board approves the November 2021 Second Amendment to the 2021-2025 Infrastructure Improvement Plan, as set forth in the accompanying staff memorandum and Exhibit 2 of the memorandum.

3. This Resolution shall take effect immediately.

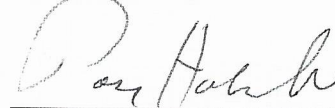
PASSED, APPROVED AND ADOPTED by the Governing Board of the Cachuma Operation and Maintenance Board, this 8th day of November 2021, by the following roll call vote:

Ayes: Sneddon, Hayman, Hanson, Holcombe

Nayes:

Absent/Abstain:

APPROVED:



President of the Governing Board

ATTEST:



Secretary of the Governing Board

The following two tables display the estimated costs associated with the 1st amendment to the adopted 2021-2025 IIP planning matrix and the 2nd amendment to the 2021-2025 IIP planning matrix.

| Adopted 1st Amendment IIP (2021-2025) | | | | | | | | | | |
|--|---|--|---|-------------|--------------|--------------|--------------|--------------|----------------|--------------|
| | | Project ID | Project Name | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 5-yr Total | |
| Priority | 1 | 2012-1-A | SCC AVAR Valve Replacement/Relocation | \$ 90,000 | \$ 190,000 | \$ - | \$ - | \$ 40,000 | \$ 320,000 | |
| | | 2004-2-I | SCC Blow-Off Nozzle/Valve Replacement | \$ 90,000 | \$ 200,000 | \$ - | \$ - | \$ 120,000 | \$ 410,000 | |
| | 2 | 2004-2-B | Rehabilitate Lateral Structures (LIVR) | \$ 85,000 | \$ 300,000 | \$ 300,000 | \$ - | \$ - | \$ 685,000 | |
| | | 2014-C-61 | SCADA Upgrades | \$150,000 | \$ 150,000 | \$ - | \$ - | \$ - | \$ 300,000 | |
| | | 2019-C-1 | Lake Cachuma EPF Pump Station (if required) | \$ - | \$ - | \$ 1,850,000 | \$ 1,225,000 | \$ - | \$ 3,075,000 | |
| | | 2018-C-1 | Lake Cachuma EPF Secured Pipeline Project | \$152,000 | \$ 352,000 | \$ 2,400,000 | \$ - | \$ - | \$ 2,904,000 | |
| | 3 | 2019-C-2 | Modular Office Building Replacement | \$175,000 | \$ 216,000 | \$ - | \$ - | \$ - | \$ 391,000 | |
| | | 2018-C-2 | SCC In-Line Isolation Valves | \$ - | \$ 400,000 | \$ - | \$ - | \$ 450,000 | \$ 850,000 | |
| | | 2019-C-3 | Lake Cachuma Water Quality and Evaporation Buoy | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-C-1 | North Portal Jet Flow Control Valve Replacement | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2019-C-4 | Critical Control Valve Replacement | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-C-1 | Meter Replacement Program | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | 4 | 2007-2-B | Sheffield Tunnel Evaluation and Repair | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-2-C | Lauro Reservoir Intake Assessment and Repair | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 2016-C-1 | | North Portal Intake Tower Seismic Assessment | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| 1999-2-A | | Tecolote Tunnel Concrete Deterioration Investigation | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Subtotal | | | | \$742,000 | \$1,808,000 | \$4,550,000 | \$1,225,000 | \$ 610,000 | \$ 8,935,000 | |
| Grant Funding | | | | | | \$ (750,000) | | | \$ (750,000) | |
| Proposed CVWD Funding | | | | | \$ (300,000) | \$ (300,000) | | \$ (250,000) | \$ (850,000) | |
| Total | | | | \$742,000 | \$1,508,000 | \$3,500,000 | \$1,225,000 | \$ 360,000 | \$ 7,335,000 | |
| Proposed 2nd Amendment IIP (2021 - 2025) | | | | | | | | | | |
| | | Project ID | Project Name | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 5-yr Total | |
| Priority | 1 | 2012-1-A | SCC AVAR Valve Replacement/Relocation | \$ 90,000 | \$ 190,000 | \$ - | \$ - | \$ 40,000 | \$ 320,000 | |
| | | 2004-2-I | SCC Blow-Off Nozzle/Valve Replacement | \$ 90,000 | \$ 200,000 | \$ - | \$ - | \$ 120,000 | \$ 410,000 | |
| | 2 | 2004-2-B | Rehabilitate Lateral Structures (LIVR) | \$ 85,000 | \$ 450,000 | \$ 550,000 | \$ - | \$ - | \$ 1,085,000 | \$ 400,000 |
| | | 2014-C-61 | SCADA Upgrades | \$150,000 | \$ 150,000 | \$ - | \$ - | \$ - | \$ 300,000 | |
| | | 2019-C-1 | Lake Cachuma EPF Pump Station (if required) | \$ - | \$ - | \$ 1,600,000 | \$ 1,475,000 | \$ - | \$ 3,075,000 | |
| | | 2018-C-1 | Lake Cachuma EPF Secured Pipeline Project | \$152,000 | \$ 352,000 | \$ 2,400,000 | \$ - | \$ - | \$ 2,904,000 | |
| | 3 | 2019-C-2 | Modular Office Building Replacement | \$175,000 | \$ 216,000 | \$ - | \$ - | \$ - | \$ 391,000 | |
| | | 2018-C-2 | SCC In-Line Isolation Valves | \$ - | \$ 400,000 | \$ 500,000 | \$ - | \$ - | \$ 900,000 | \$ 50,000 |
| | | 2019-C-3 | Lake Cachuma Water Quality and Evaporation Buoy | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-C-1 | North Portal Jet Flow Control Valve Replacement | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2019-C-4 | Critical Control Valve Replacement | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-C-1 | Meter Replacement Program | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | 4 | 2007-2-B | Sheffield Tunnel Evaluation and Repair | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| | | 2013-2-C | Lauro Reservoir Intake Assessment and Repair | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 2016-C-1 | | North Portal Intake Tower Seismic Assessment | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| 1999-2-A | | Tecolote Tunnel Concrete Deterioration Investigation | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Subtotal | | | | \$742,000 | \$1,958,000 | \$5,050,000 | \$1,475,000 | \$ 160,000 | \$ 9,385,000 | \$ 450,000 |
| Grant Funding | | | | | | \$ (750,000) | | | \$ (750,000) | |
| Actual / Proposed CVWD Funding | | | | \$ (40,000) | \$ (450,000) | \$ (550,000) | | | \$ (1,040,000) | \$ (190,000) |
| Total | | | | \$702,000 | \$1,508,000 | \$3,750,000 | \$1,475,000 | \$ 160,000 | \$ 7,595,000 | \$ 260,000 |

APPENDIX A: IIP PROJECT DESCRIPTIONS

Updated November 2021

Rehabilitate South Coast Conduit Lateral Structures (2004-2-B)

Background

There are forty-four lateral connections housed in concrete cylinder structures on the Lower Reach of the South Coast Conduit. The function of these connections is to provide water to sections of the Montecito Water District and Carpinteria Valley Water District. Each connection generally contains two gate valves, a meter, and an air vent component. Most laterals have been abandoned and air gapped in the Upper Reach of the South Coast Conduit with the exception of the Goleta West Conduit.

Need

Twenty-six of the existing lateral appurtenances in the lower reach pose an operational risk due to age, corrosion, and unreliable valve operating conditions. The dependability of these valves is necessary to provide reliable water service to customers served in sections of the Montecito and Carpinteria Water District Boundary areas. The consequence of not completing this project could result in lateral failure/inoperability limiting deliveries to customers served by those laterals or complicating operations if leak-by or a major failure occurred. The lateral valves need to be replaced prior to anticipated shutdowns of the South Coast Conduit in the Carpinteria area.

Description

This project would replace corroded pipe and inoperable valves and air vents on lateral connections. The project will require shutdowns for the specified turnout distribution supply areas and would be coordinated with the impacted Member Agencies. Engineering was completed in 2021 and the lateral project was bid in September 2021. Lateral rehabilitation was prioritized into three major phases with the first phases proposed to occur in 2021-22 and 2022-23.



PRIORITY CATEGORY

2. Required to Maintain Level of Service

ESTIMATED COST

\$1,680,000

| Fiscal Year | Phase | Cost |
|-------------|----------------|------------|
| 2020-21 | Eng/Const | \$85,000 |
| 2021-22 | Const. Phase 1 | \$448,000* |
| 2022-23 | Const. Phase 2 | \$555,000* |
| TBD | Const. Phase 3 | \$592,000 |

*As part of the proposed Cooperative Agreement with CVWD, CVWD would offset in-line isolation valve costs through completion of Phase 1 and Phase 2.

This project has been identified by the USBR as a Category 2 recommendation.

South Coast Conduit Line Valve in Carpinteria for Repairs (2018-C-2)

Background

To allow for shutdown repairs and continued water delivery in the event of disruption of service in the South Coast Conduit, additional in-line isolation valves are needed in the South Coast Conduit.

Need

Pipeline break due to natural disaster could result in escaping flows. In an emergency scenario such as this, a line valve would divide the conduit, limiting outflow. In addition, several blow-offs and air vacuum air release (AVAR) structures on the South Coast Conduit are in disrepair and need periodic rehabilitation requiring a shutdown of the SCC. A line valve would allow COMB to rehabilitate these important structures without less disruption to customers.

Description

To facilitate shutdowns and repairs of the South Coast Conduit and to minimize service disruption, two (2) in-line isolation valves are required. COMB has proposed installing in-line isolation valves at La Mirada Drive and at Lillingston. The La Mirada isolation valve would allow a section of the South Coast Conduit, which currently serves eleven laterals to be subdivided to two segments, and would also allow three air vents and two blow-off structures to be rehabilitated in the Carpinteria area. This would allow COMB to complete a Category 1 recommendation from the U.S. Bureau of Reclamation to rehabilitate subgrade, air vent structures.

In exchange for this work, CVWD has proposed to contribute financially towards the rehabilitation of the lower reach SCC laterals through a cooperative agreement between COMB and CVWD to facilitate this exchange of work.



PRIORITY CATEGORY

3. Addresses Critical Deficiency

ESTIMATED COST

\$950,000*

| Fiscal Year | Phase | Cost |
|-------------|----------------------|------------|
| 2021-22 | Const. (La Mirada) | \$450,000* |
| 2022-23 | Const. (Lillingston) | \$500,000* |

*CVWD has proposed to offset the line valve costs by performing lateral rehabilitation work.

An environmental/historic preservation review is required for all activities for which FEMA funds are being requested