



Contra
Costa
County

To: Board of Supervisors

From: TRANSPORTATION, WATER & INFRASTRUCTURE COMMITTEE

Date: March 29, 2022

Subject: Support the Shortcut Pipeline Replacement Project

RECOMMENDATION(S):

AUTHORIZE the Chair of the Board of Supervisors to sign a letter to express the County's support for the Contra Costa Water District's pursuit of grant funding for the timely replacement and completion of their Shortcut Pipeline Phase 3 Improvements Project.

FISCAL IMPACT:

No fiscal impact to the County is associated with supporting the pursuit of grant funding for Contra Costa Water District's (CCWD) Shortcut Pipeline Phase 3 Improvements Project.

BACKGROUND:

The existing Shortcut Pipeline is a large diameter, concrete pipeline that was installed in 1972 with an average flow of 13 million gallons per day of untreated water. The five-mile pipeline starts at Contra Costa Canal in Clyde and terminates at the Martinez Reservoir. CCWD is responsible for operating and maintaining the Shortcut Pipeline under contract with the US Bureau of Reclamation and has completed three leak repairs since the pipeline was constructed, including one near Walnut Creek and the Concord Fault after the Loma Prieta Earthquake. The Shortcut Pipeline is the primary source of drinking water for the City of Martinez and provides an uninterrupted supply of process water to large industrial

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY

☐ RECOMMENDATION OF BOARD

ADMINISTRATOR

COMMITTEE

Action of Board On: **03/29/2022** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

VOTE OF SUPERVISORS

AYE: John Gioia, District I Supervisor

Candace Andersen, District II
Supervisor

Diane Burgis, District III Supervisor

Karen Mitchoff, District IV
Supervisor

Federal D. Glover, District V
Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: March 29, 2022

Monica Nino, County Administrator and Clerk of the Board of Supervisors

By: June McHuen, Deputy

Contact: Ryan Hernandez,
(925) 655-2919

cc:

users including the PBF Martinez Refinery.

An inspection in 2018 identified a compromised section of pipeline under the western flood control levee of the Lower Walnut Creek channel, as shown in the attached project vicinity map. Adding risk, the approximate half-mile section of compromised pipeline is also near the Concord Fault. It has been determined this section of the pipeline is no longer reliable.

The Shortcut Pipeline Phase 3 Improvements Project proposes to install two High Density Polyethylene pipelines under the Walnut Creek channel and connect them to the existing pipeline to bypass the damaged section of pipe. Dual pipelines ensure sufficient capacity and provides increased redundancy and seismic reliability. The pipelines will be installed by Horizontal Directional Drilling, which is an innovative and proven trenchless technology that minimizes environmental impacts. Additionally, the pipelines are proposed to be installed deep below the Walnut Creek channel, which provides safety and protects against future settlement.

BACKGROUND: (CONT'D)

The Phase 3 Improvements Project is 60% designed and documents for public review, pursuant to the California Environmental Quality Act, are being prepared. CCWD anticipates the project will go to bid February 2023 and planned construction from August 2023 through December 2024 (17months).

The Shortcut Pipeline Phase 3 Improvements Project is a significant investment (\$14 million) that is critically important as it improves reliable delivery of water for public health (drinking water), public safety (fire protection), and economic vitality (industrial users) to Contra Costa County and the region.

CCWD is actively pursuing federal funding through the Senate Energy and Water Development Bill (Fiscal Year 2023) for construction, and they are also seeking outside funding for portions of the project through state and federal implementation, infrastructure, and hazard mitigation grant programs. CCWD requests a letter of support from the Contra Costa County Board of Supervisors for the Phase 3 Improvements Project.

The Transportation, Water and Infrastructure Committee recommends the Chair of the Board of Supervisors sign a letter expressing the County's support for the Contra Costa Water District's pursuit of grant funding for the timely replacement and completion of their Shortcut Pipeline Phase 3 Improvements Project.

CONSEQUENCE OF NEGATIVE ACTION:

Without the County's written support, the grant funding applications for the Shortcut Pipeline Phase 3 Improvements project may be less competitive.

ATTACHMENTS

Project Vicinity Map

Final Draft - CCC Support Letter for SCPL Funding