



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551 • PHONE (925) 454-5000 • FAX (925) 454-5723

**ZONE 7 BOARD OF DIRECTORS
WATER RESOURCES COMMITTEE**

DATE: Tuesday, June 29, 2021

TIME: 3:15 p.m.

PARTICIPATION: Zoom: <https://us02web.zoom.us/j/89656275876> or
Phone: (669) 900-6833 • Meeting ID: 896 5627 5876

Director Figuers
Director Gambs
Director Palmer

A G E N D A

1. Public Comment on Items Not on Agenda
2. Chain of Lakes Pipeline Alignment Study – Update
3. Verbal Reports
4. Adjournment



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ORIGINATING SECTION: Integrated Planning

CONTACT: Sal Segura/Amparo Flores

AGENDA DATE: June 29, 2021

SUBJECT: Chain of Lakes Pipeline Alignment Study - Update

SUMMARY:

As part of Zone 7's mission to "deliver safe, reliable, efficient, and sustainable water and flood protection services", Zone 7 has embarked on a study to route a raw water pipeline to convey water into and out of the Chain of Lakes for storage and recharge, and emergency/drought supply. The Chain of Lakes Pipeline Alignment Study is one of the activities identified under Strategic Initiative #1: Establish a diversified water supply plan. The purpose of the study is to find the most feasible option to install a future pipeline to help Zone 7 manage its water resources by connecting the Del Valle Water Treatment Plant, the South Bay Aqueduct, and the Chain of Lakes. This link will enable operators to maximize storage in the Chain of Lakes when supplies are available and provide emergency/drought relief when supplies are limited.

Zone 7 retained HydroScience Engineers in April 2020 to complete the Chain of Lakes Pipeline Alignment Study. HydroScience has since performed a fatal flaw analysis and proceeded to initial screening of potential alignments with staff input. Outreach efforts with Cities of Livermore and Pleasanton, Alameda County and SteelWave, Inc. have been held. A preliminary environmental checklist has been developed by subconsultant, ESA Inc. The current tasks underway are the alternative route selection, preferred route selection and geotechnical investigation. Once the remaining tasks are completed, HydroScience will proceed to perform a conceptual design on the preferred route.

The full evaluation will be done by screening the following criteria:

- Hydraulics
- Geotechnical conditions
- Environmental impacts
- Existing utilities
- Property rights/Right of way
- Community impacts
- Encroachment
- Trenchless construction
- Construction costs

Two primary routes (East and West) are being evaluated at this time as shown in Attachment A. Staff will give a presentation reviewing the current findings from the study.

FUNDING: Not applicable

RECOMMENDED ACTION: For information only

ATTACHMENT: Chain of Lakes Pipeline Alignment Options – June 2021

Chain of Lakes Pipeline Alignment Options - June 2021

Pipeline Options

