



BOARD MEETING AGENDA SUBMITTAL

TO: GCSB Board of Directors

FROM: Peter J. Kampa, General Manager

DATE: November 8, 2022

SUBJECT: Agenda Item 6B: Adoption of a Resolution Authorizing Application to the Department of Water Resources, Urban Community Drought Relief Grant Program for the Downtown Groveland Big Oak Flat Water System Rehabilitation Project

RECOMMENDED ACTION:

Staff recommends the following action:

I move to approve Resolution 45-2022 authorizing application to the Department of Water Resources, Urban Community Drought Relief Grant Program for the Downtown Groveland Big Oak Flat Water System Rehabilitation Project.

BACKGROUND:

In 2014 the district received a planning grant from the State Water Resources Control Board to evaluate the condition of its water distribution system serving downtown Groveland and Big Oak Flat. This planning feasibility study resulted in a system improvement plan to replace and upgrade much of the old, decaying, and leaking water pipes and that part of the system. Upon completion of this study, a construction application was submitted to the state water board in 2018. Engineering plans, specifications and environmental documentation has been completed and the project is shovel ready. No commitment for state funding has been offered yet.

The urban community drought relief grant program has been developed by the state department of water resources to provide communities with immediate drought relief and resilience, and to improve water conservation among other resource benefits. Staff proposes to submit the water distribution system renovation project to the urban community drought relief grant program, as a very significant water conservation and water supply reliability project for our community.

FINANCIAL IMPACT

The proposed water distribution system improvements project is estimated to cost approximately \$10,500,000.00, including the furnish and installation of the proposed water infrastructure, as well as engineering, administration and construction management fees. If funding is awarded, there is no match requirements as it is 100% grant. Costs associated with preparation of the grant application will be less than \$5000 in engineering fees.

ATTACHMENTS

1. Project Description
2. Resolution 45-2022

Downtown Groveland Big Oak Flat Water System Rehabilitation Project

The Groveland Community Services District (GCSD) provides water services to the communities of Groveland, Big Oak Flat and Pine Mountain Lake (PML). Groveland and Big Oak Flat are considered to be Severely disadvantaged communities while PML is a Disadvantaged Community. GCSD is a grantee of the Tuolumne-Stanislaus IRWM DACI Program.

GCSD provides water under Domestic Water Supply Permit No. 03-11-13P-008. GCSD primary domestic water source is the Hetch Hetchy Mountain Tunnel which is part of the Hetch Hetchy Aqueduct system. The Hetch Hetchy Aqueduct source is approved for filtration avoidance since 1993. The Mountain Tunnel is 19 miles long and has a capacity of 660 cfs.

GCSD utilizes vertical turbine pumps to draw raw filtration avoidance water from two vertical shafts tapped into the Mountain Tunnel designated as the Big Creek Station and the Second Garrotte Station. The raw water is then directed into either the Big Creek water treatment plant (WTP) or the Second Garrotte WTP where it is treatment to potable water standards and distributed throughout the Groveland CSD service area.

The Groveland CSD water distribution system was constructed in 1960 and is comprised of pipelines ranging from 2 to 6 inches. 80% of the distribution pipelines throughout the service area are asbestos cement (AC) pipelines. The Groveland CSD has actively responded to pipe bursts as the infrastructure aged. All failed pipelines have been replaced with polyvinyl chloride pipe (PVC, AWWA C-900).

Since 1960, the Groveland CSD has expanded and now serves approximately 3,256 connections throughout the communities of Groveland, Big Oak Flat and PML. There are 64 dead ends in the distribution system, but no low pressure water lines. Of the 64 dead ends, 32 of them have some sort of blow off valves. Approximately 80% of the existing connections have pressure reducing valves, and all system services are metered. The District has a water main flushing program and a valve exercising program. There are some places within the distribution system where the AWWA water-sewer main separation distances are not maintained, but the District is aware of the separation distances and tries to maintain these distances for designs on all new installations. As of today, the Groveland CSD cannot reliably meet their domestic water demands, excluding fire flow, with the existing infrastructure. The existing water mains must be upsized to handle the additional demand that is prescribed for the new and growing Groveland CSD service area. There is also growing concern with the use of AC pipelines as the main distribution lines for their service area.

The project proposes the following improvements to transition the district to AWWA standard drinking water pipelines that will allow the rural communities to efficiently distribute potable water to their customers within the Groveland CSD service area.

Groveland water distribution system improvements:

- Construct 4,995 linear feet (LF) of 6" water main on the lots to the north of Highway 120.
- Construct 160 LF of 6" water main to connect the existing water main to the new water main north of Highway 120.
- Construct 2,610 LF of 6" water main on the lots to the south of Highway 120 and along Back Street.

- Construct 1,310 LF of 6" water main along Foote Street and extending to the east.
- Construct 2 segments of water main, 440 LF and 290 LF respectively, connecting the new water main south of Highway 120 to the new water main along Foote Street.
- Construct 215 LF of 6" water main along Power House Street connecting the new water main on Back Street to the new water main along Foote Street.
- Construct 385 LF of 6" water main connecting the new water mains north of Highway 120 to the new water mains south of Highway 120.
- Construction of new gate valves, pressure reducing valves and fire hydrants along the new water mains, as needed.

Big Oak Flat water distribution system improvements:

- Replace 2,000 LF of 4" water main with 6" water main along Wards Ferry Road, including two (2) gate valves and three (3) fire hydrants.
- Replace 1,015 LF of 4" water main with 6" water main along Scofield Street including one (1) gate valve and three (3) fire hydrants.
- Replace 1,040 LF of 4" water main with 6" water main along Big Oak Road including one (1) gate valve and one (1) fire hydrant.
- Replace 320 LF of 4" water main with 6" water main along Henderson Street including one (1) gate valve and one (1) fire hydrant.
- Replace 295 LF of 4" water main with 6" water main along Black Road including one (1) gate valve and two (2) fire hydrants.
- Replace 745 LF of 4" water main with 6" water main along Harper Street.

White Gulch area water distribution system improvements:

- Replace 5,170 LF of 6" water main along White Gulch Road, near Highway 120.
- Replace 1,200 LF of 4" water main with 6" water main along Old Highway 120.
- Construction of new gate valves, pressure reducing valves and fire hydrants along the new water mains, as needed.

RESOLUTION NO. 45-2022

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE GROVELAND COMMUNITY SERVICES DISTRICT AUTHORIZING THE GRANT APPLICATION, ACCEPTANCE, AND EXECUTION FOR THE GROVELAND-BIG OAK FLAT WATER DISTRIBUTION SYSTEM IMPROVEMENTS

WHEREAS, the Groveland Community Services District (herein referred to as District or Groveland CSD) is a local government agency formed and operating in accordance with Section §61000 et seq. of the California Government Code; and

WHEREAS, the Groveland CSD proposes to implement a project to replace a major portion of its leaking water system to increase drought resilience through significant water loss reduction; and

WHEREAS, the Groveland-Big Oak Flat Water Distribution System Improvements Project is being implemented in response to a drought scenario, as defined by Water Code section 13198(a) and is intended to: (1) address immediate impacts on human health and safety; (2) address immediate impacts on fish and wildlife resources; or, (3) provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies, and (4) increase drought resilience and immediately conserve water; and

WHEREAS, the Groveland CSD has the legal authority and is authorized to enter into a funding agreement with the State of California; and

WHEREAS, the Groveland CSD intends to apply for grant funding from the California Department of Water Resources for the Groveland-Big Oak Flat Water Distribution System Improvements Project.

NOW, THEREFORE BE IT RESOLVED, by the Board of Directors of the Groveland Community Services District, as follows:

1. That pursuant and subject to all of the terms and provisions of Budget Act of 2021 (Stats. 2021, ch. 240, § 80), as amended (Stats. 2022, ch. 44, § 25), the Groveland CSD General Manager, or designee is hereby authorized and directed to prepare and file an application for funding with the Department of Water Resources and take such other actions as necessary or appropriate to obtain grant funding.
2. The Groveland CSD General Manager or designee is hereby authorized and directed to execute the funding agreement with the Department of Water Resources and any amendments thereto.
3. The Groveland CSD General Manager or designee is hereby authorized and directed to submit any required documents, invoices, and reports required to obtain grant funding.

This resolution was adopted at a Regular Meeting of the Board of Directors of the Groveland CSD held on November 8, 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Spencer Edwards, President

ATTEST:

Rachel Pearlman, Board Secretary