



Agenda Date: 6/19/2019

Agenda Placement: 8B

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer

REPORT BY: Karl Ono, Associate Engineer - (707) 258-6013

SUBJECT: Approve the Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the Upper Lateral Rehabilitation Pilot Project #4 (CIP 18703)

RECOMMENDATION

Approve the Project, concur with Staff's determination that the Project is categorically exempt, and authorize the General Manager to issue Notice Inviting Bids for the Upper Lateral Rehabilitation Pilot Project #4 (CIP 18703).

EXECUTIVE SUMMARY

The Collection System Master Plan project findings indicate that certain areas in the collection system contribute much higher inflow and infiltration (I&I) than other areas. The area defined as Basin L is a source of significant I&I. Upper (private) laterals are known to be a high contributor of I&I. This project is a pilot project which will rehabilitate upper laterals for a sub-basin in Basin L using cured-in-place piping method.

The project area selected for the project is isolated (there are not other pipes flowing into the area) and the sewer mains and street laterals were rehabilitated by the 2017 Collection System Rehabilitation Project. Preconstruction flow monitoring was performed last winter to measure the base flow from the project area. Once this project is complete, post-construction flow monitoring will be performed to measure the effectiveness (reduction in I&I) of the project. The effectiveness of this project will be used in planning future projects.

There are 27 properties in the sub-basin. Thirteen properties have been removed from the project for various reasons. There are several properties within the sub-basin that have recently replaced the upper laterals with plastic piping. Approximately 14 existing laterals will be rehabilitated to reduce I&I.

NapaSan staff will be performing public outreach on the project which will include a site meeting with each property owner to review the details of the work that will be performed on their property. Each property owner will be required to sign a right-of-entry prior to work being performed. If a right-of-entry is not granted NapaSan will remove the

property from the project. It is anticipated that all property owners will sign a right-of-entry.

The contractor has 60 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected in August 2019 and construction completed by the end of October 2019. NapaSan staff will perform construction management and inspection of this project. The engineer's estimate of probable construction cost for the project is \$42,000.

Plans are available for review in the NapaSan's Administrative Office and will be available at the Board meeting on June 19, 2019.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the 2018/19 FY and the 2019/20 FY capital budgets.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will rehabilitate upper laterals in a basin that has been previously identified as a significant source of I&I. It is anticipated that the project will result in a reduction of I&I flows in the collection system and ultimately to the Plant.
Is the general fund affected?	Yes
Future fiscal impact:	None. Construction will be completed in FY 2019/20.
Consequences if not approved:	The I&I within the project boundary will stay at current levels in the collection system and increase over time as the pipes continues to deteriorate.
Additional Information:	None.

ENVIRONMENTAL IMPACT

Staff performed a preliminary CEQA review of this project and determined the project is Categorically Exempt. This project consists of rehabilitating existing sewer laterals involving negligible expansion of capacity, which corresponds to Categorical Exemption 15302 (c) of the California Environmental Quality Act (CEQA) Guidelines. If the Board concurs with this determination, staff will file the attached Notice of Exemption.

BACKGROUND AND DISCUSSION

NapaSan has completed three upper lateral pilot projects to date. Results for peak flow reduction have varied from 8% to 61%, with an overall average of 34%. This fourth upper lateral pilot study will collect additional data and help NapaSan evaluate the costs and benefits of rehabilitating private laterals. Post construction flow monitoring will occur in the winter of 2019/20 to evaluate the success of the project and the ability to reduce peak flow.

SUPPORTING DOCUMENTS

A . CEQA Notice of Exemption

B . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy