



Agenda Date: 9/2/2020
Agenda Placement: 8A

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors
FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer
REPORT BY: Matthew Lemmon, Senior Civil Engineer - 707-258-6004
SUBJECT: Wastewater Treatment Plant Master Plan (CIP 20706) - Board Kickoff Meeting

RECOMMENDATION

Receive presentation from Hazen and Sawyer introducing the goals, approach, and schedule for NapaSan's Wastewater Treatment Plant Master Plan.

EXECUTIVE SUMMARY

Hazen and Sawyer will provide a kickoff presentation for NapaSan's Wastewater Treatment Plant Master Plan.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

NapaSan last completed a wastewater treatment plant master plan in 2011. The 2011 master plan successfully defined many projects that NapaSan implemented during the following years; however, master plans are typically

only valid for 5-10 years due to changing factors such as flow and loading projections, available technologies, regulatory requirements, and infrastructure improvements that are necessary to maintain an adequate level of service.

Staff anticipates that environmental and community-related changes experienced throughout the last decade such as drought, water conservation, and modified development projections could modify the scope and timing of capacity improvements that were originally recommended by the 2011 master plan. Hazen and Sawyer has been selected to prepare a new wastewater treatment plant master plan that will re-evaluate NapaSan's needs based on new information and will provide updated recommendations for the new planning horizon. The primary goals of the master plan are as follows:

- | Facility Condition Assessment
- | Provide updated flow and loading projections; evaluate trigger points for capacity upgrades
- | Create a 10-Year CIP based on the condition assessment results and the need for capacity upgrades

Additional analysis will include:

- | Renewable Energy Production and Energy Management
- | Nutrient Management
- | Biosolids Management
- | Operational Vulnerabilities
- | Recycled Water and Potable Reuse
- | Capacity Analysis
- | Evaluation of Alternatives
- | Contaminants of Emerging Concern (CECs)

On March 12, 2020, NapaSan sent a formal Request For Proposals to 14 consultants, including local engineering firms. Staff received proposals from three teams and interviewed all three teams during the week of June 1, 2020. Hazen and Sawyer (with Carollo as a subconsultant) was selected as the most qualified team.

SUPPORTING DOCUMENTS

A . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy