



SUMMARY REPORT

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**Agenda Date:** 1/25/2022

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**To:** Board of Directors, Sonoma County Water Agency  
**Department or Agency Name(s):** Sonoma County Water Agency  
**Staff Name and Phone Number:** Nazareth Tesfai 707-521-1835  
**Vote Requirement:** 4/5th  
**Supervisorial District(s):** Second

**Title:**

Penngrove Sewer Capacity Evaluation

**Recommended Action:**

- A)  Authorize Sonoma County Water Agency's General Manager to execute an agreement with Woodard & Curran, Inc., for Penngrove sewer capacity evaluation and related services through December 20, 2024, in the not-to-exceed amount of \$100,000 in a form approved by County Counsel.
- B) Adopt a Resolution Authorizing Adjustments to the Board Adopted Budget for Fiscal Year 2021-2022 for the Penngrove Sanitation Zone Operations Fund in the amount of \$100,000 for the Penngrove Sewer Capacity Evaluation. (4/5th Vote Required) (Second District)

**Executive Summary:**

In accordance with the California Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Water Quality Order No. 2006-0003 (WDR), Sonoma County Water Agency (Sonoma Water) has developed a Sewer System Management Plan for the Penngrove Sanitation Zone. The Sewer System Management Plan describes how the collection system will be operated, maintained, and evaluated by Sonoma Water. One of the requirements of the Sewer System Management Plan is a system evaluation and capacity assurance plan.

**Discussion:**

**HISTORY OF ITEM/BACKGROUND**

Sonoma Water owns and operates the Penngrove Sanitation Zone (Zone). The Zone's service area comprises 475 acres and serves a population of 1,264 (549 single-family dwelling unit equivalents). Construction of the collection system began in 1960, and the majority (80%) was constructed between 1960 and 1979. It includes 13.6 miles of sewers (9.4 miles of gravity sewer mains, 3.1 miles of force mains, and 1.1 miles of service laterals and one pump station. The collected sewage from the Zone is sent to the City of Petaluma's sewer system for conveyance to the Petaluma Wastewater Treatment Plant

In accordance with the California Statewide General WDR for Sanitary Sewer Systems, Sonoma County Water Agency (Sonoma Water) has developed a Sewer System Management Plan for the Zone's collection system. The Sewer System Management Plan describes how the collection system will be operated, maintained, and evaluated by Sonoma Water.

A requirement of the Sewer System Management Plan is a system evaluation and capacity assurance plan. Currently, the capacity studies for the Zone need to be updated. In addition, sewer collection system modeling and capacity assessment are necessary in order to update the system evaluation and capacity assurance plans. Sonoma Water will evaluate the available and required capacity of the collection system, including identifying alternatives for system improvements.

#### SELECTION PROCESS

On May 17, 2019, Sonoma Water issued a Request for Statements of Qualifications to 36 firms listed on the attached recipient list. The Request for Statements of Qualifications was also posted on the Sonoma County Water Agency and County of Sonoma Purchasing Department websites.

The 22 firms listed below submitted Statements of Qualifications:

1. ADKO Engineering, Inc., Roseville, CA
2. Allana Buick & Bers, Inc., Palo Alto, CA
3. BC Engineering Group, Santa Rosa, CA
4. Bellecci & Associates, Concord, CA
5. Beyaz & Patel, Inc., San Diego, CA
6. BKF Engineers, Santa Rosa, CA
7. Brelje & Race Consulting Engineers, Santa Rosa, CA
8. CSW/Struber-Stroeh Engineering Group, Inc., Petaluma, CA
9. ERM-West, Inc., Walnut Creek, CA
10. GEI Consultants, Rancho Cordova, CA
11. HDR Engineering, Inc., Folsom, CA
12. InfraTerra, Inc., San Francisco, CA
13. LEE & RO, Inc., City of Industry, CA
14. Mott MacDonald, San Ramon, CA
15. Prunuske Chatham, Inc., Sebastopol, CA
16. Questa Engineering Corporation, Petaluma, CA
17. Schaaf & Wheeler Consulting Civil Engineers, Santa Rosa, CA
18. Summit Engineering, Inc., Santa Rosa, CA
19. TJC and Associates, Inc., Walnut Creek, CA
20. Watercourse Engineering, Inc., Davis, CA
21. Woodard & Curran Inc., Walnut Creek, CA
22. ZFA Structural Engineers, Santa Rosa, CA

Woodard & Curran, Inc. (Consultant) was selected from the list of qualified consultants. Consultant was chosen for this work because they have a great deal of wastewater collection system knowledge and sewer modeling experience. In addition, Consultant is in the process of preparing the City of Petaluma's Sewer collection system master plan. Since the Zone discharges into the City of Petaluma's sewer system, having the same consultant prepare both plans seems the best way to proceed.

Sonoma Water may seek to amend or enter into subsequent agreement(s) with Board approval if required, relying upon this competitive selection process, after the preliminary or initial work is completed.

**SERVICES TO BE PERFORMED**

Under the proposed agreement, Consultant will conduct an evaluation of the Zone’s collection system. Services performed under the evaluation include, but are not limited to, confirming the flows in the Zone’s collection system; evaluating the available and required capacity of the collection system trunk sewers, pump station, and force main; and identifying alternatives for improvement.

The cost of services will not exceed \$100,000; the term end date is December 20, 2024.

The agreement includes two options for Sonoma Water to extend this agreement for a period of one year each by providing written notice to Consultant thirty days in advance of the expiration date of the agreement and of the first extension option.

**Strategic Plan:**

This item directly supports the County’s Five-year Strategic Plan and is aligned with the following pillar, goal, and objective:

**Pillar:** Resilient Infrastructure

**Goal:** Goal 1: Strengthen operational effectiveness, fiscal reliability, and accountability

**Objective:** Objective 1: Align the Board of Supervisor’s strategic priorities, policy, and operational goals with funding and resources.

Sonoma Water Strategic Plan Alignment: Waste Water Treatment and Water Reuse, Goal 1: Improve operational reliability of wastewater treatment and water reuse systems.

Conducting this capacity analysis will allow the Zone to better identify areas that can be served with sewer and assist residents who want to connect to the Zone’s collection system.

**Prior Board Actions:**

None.

**FISCAL SUMMARY**

<b>Expenditures</b>	<b>FY 21-22 Adopted</b>	<b>FY22-23 Projected</b>	<b>FY 23-24 Projected</b>
Budgeted Expenses			
Additional Appropriation Requested	\$100,000		
<b>Total Expenditures</b>	<b>\$100,000</b>		
<b>Funding Sources</b>			
General Fund/WA GF			

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State/Federal			
Fees/Other			
Use of Fund Balance	\$100,000		
Contingencies			
<b>Total Sources</b>	<b>\$100,000</b>		

**Narrative Explanation of Fiscal Impacts:**

FY2021/2022 additional appropriations in the amount of \$100,000 for the Penngrove Sanitation Zone Operations Fund are required to process this expense. A budgetary resolution has been submitted with this item.

<b>Staffing Impacts:</b>			
<b>Position Title (Payroll Classification)</b>	<b>Monthly Salary Range (A-I Step)</b>	<b>Additions (Number)</b>	<b>Deletions (Number)</b>

**Narrative Explanation of Staffing Impacts (If Required):**

N/A

**Attachments:**

Resolution  
Recipient List

**Related Items "On File" with the Clerk of the Board:**

None.