



## Legislation Details (With Text)

**File #:** 2021-0233  
**Type:** Consent Calendar Item      **Status:** Agenda Ready  
**File created:** 3/8/2021      **In control:** Sonoma County Water Agency  
**On agenda:** 4/20/2021      **Final action:**  
**Title:** As-Needed Electrical Engineering and Design Services  
**Sponsors:** Sonoma County Water Agency, Occidental County Sanitation District, Russian River County Sanitation District, Sonoma Valley County Sanitation District (Director, South Park County Sanitation District)  
**Indexes:**  
**Attachments:** 1. Summary Report, 2. Attachment 1, 3. Attachment 2, 4. Attachment 3, 5. Attachment 4

Date	Ver.	Action By	Action	Result
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**To:** Boards of Directors, Sonoma County Water Agency, Occidental County Sanitation District, Russian River County Sanitation District, Sonoma Valley County Sanitation District, and South Park County Sanitation District  
**Department or Agency Name(s):** Sonoma County Water Agency, Occidental County Sanitation District, Russian River County Sanitation District, Sonoma Valley County Sanitation District, and South Park County Sanitation District

**Staff Name and Phone Number:** Anjenette Hayre 707-521-1830

**Vote Requirement:** Majority

**Supervisory District(s):** Countywide

**Title:**

As-Needed Electrical Engineering and Design Services

**Recommended Action:**

- A) Authorize Sonoma County Water Agency's General Manager to execute an agreement with IEC Corporation for as-needed electrical engineering and design services through April 13, 2026, in the not-to-exceed amount of \$500,000.
- B) Authorize Sonoma County Water Agency's General Manager to execute an agreement with DTN Engineers, Inc. for as-needed electrical engineering and design services through April 13, 2026, in the not-to-exceed amount of \$500,000.
- C) Authorize Sonoma County Water Agency's General Manager to execute an agreement with LEE + RO, Inc. for as-needed electrical engineering and design services through April 13, 2026, in the not-to-exceed amount of \$500,000

**Executive Summary:**

The Sonoma County Water Agency and its affiliated sanitation districts and sanitation zones (Sonoma Water) require as-needed electrical engineering and design services relating to Sonoma Water's power-generating, wastewater treatment, groundwater, stream and flood water monitoring, and potable water production and treatment facilities and miscellaneous buildings.

**Discussion:**

### HISTORY OF ITEM/BACKGROUND

The mission of Sonoma Water is to effectively manage the water resources in its care for the benefit of people and the environment through resource and environmental stewardship, technical innovation, and responsible fiscal management. Sonoma Water provides an array of services, such as naturally filtered drinking water, flood protection services, distribution of recycled water, recreational opportunities, and wastewater treatment.

Sonoma Water requires as-needed electrical engineering and design services for its various facilities. These services include, but are not limited to, technical expertise for operation, maintenance, testing, and troubleshooting of various pieces of electrical equipment, instrumentation, monitoring equipment, and control processes; power system analysis including arc flash hazard assessments, coordination studies, and short-circuit analysis; creating process and instrumentation diagrams of existing and new systems; assessment of standby power systems with potential for microgrid development; performing electrical and corrosion design work; and developing engineering feasibility studies.

### SELECTION PROCESS

On September 25, 2020, Sonoma Water issued a Request for Statements of Qualifications (SOQs) to the 42 firms listed in Attachment 4, Recipient List.

The Request for Statements of Qualifications was also posted on the Sonoma Water and County of Sonoma Purchasing Department websites.

The 14 firms listed below submitted SOQs:

1. Bureau Veritas, Sacramento, CA
2. DTN Engineers, Inc., Oakland, CA
3. Elcon Associates, Inc., Beaverton, OR
4. EPS Engineering and Design, San Diego, CA
5. GHD, Santa Rosa, CA
6. HDR, Folsom, CA
7. IEC Corporation, Sacramento, CA
8. Lee + Ro, Inc., Walnut Creek, CA
9. OS Engineering, Springfield, OR
10. P2S Inc., Long Beach, CA
11. PACE Engineering Inc., Redding, CA
12. Synergos, Inc. Walnut, CA
13. TJC and Associates, Inc. Oakland, CA
14. YEI Engineers, Inc., Oakland, CA

The following criteria were used to evaluate each firm:

- 1) Thoroughness of SOQ
- 2) Professional qualifications and demonstrated ability to perform the work
- 3) Exceptions to standard terms in the sample agreement

The following firms were selected for the list of qualified consultants:

1. DTN Engineers, Inc., Oakland, CA
2. Elcon Associates Inc., Beaverton, OR

3. EPS Engineering and Design, San Diego, CA
4. GHD, Santa Rosa, CA
5. IEC Corporation, Sacramento, CA
6. Lee + Ro, Inc., Walnut Creek, CA
7. TJC and Associates, Inc., Oakland, CA

IEC Corporation, DTN Engineers, Inc., and LEE + RO, Inc., (Consultants) were selected for the proposed agreements because of their expertise in electrical systems and process controls used at water and wastewater facilities. These firms met all criteria, are proven industry leaders, and are familiar with Sonoma Water’s facilities and design process. In addition, Consultants have performed successfully on recent Sonoma Water projects.

Sonoma Water may seek to amend or enter into subsequent agreements 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 agreements, Consultants will provide as-needed electrical engineering and design services for electrical, instrumentation, control, and corrosion protection relating to Sonoma Water’s potable water production and treatment facilities, wastewater treatment facilities, renewable energy, and miscellaneous support buildings.

The cost of services for each agreement will not exceed \$500,000; the term end date for each is April 13, 2026.

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

**Prior Board Actions:**

06/04/2013: Approved agreement between Sonoma Water and GHD Inc. for as-needed electrical engineering services. Cost \$90,000; term end April 30, 2016.

**FISCAL SUMMARY**

<b>Expenditures</b>	<b>FY 20-21 Adopted</b>	<b>FY21-22 Projected</b>	<b>FY 22-23 Projected</b>
Budgeted Expenses	\$300,000	\$500,000	\$500,000
Additional Appropriation Requested			
<b>Total Expenditures</b>	<b>\$300,000</b>	<b>\$500,000</b>	<b>\$500,000</b>
<b>Funding Sources</b>			
General Fund/WA GF			
State/Federal			
Fees/Other	\$300,000	\$500,000	\$500,000
Use of Fund Balance			
Contingencies			
<b>Total Sources</b>	<b>\$300,000</b>	<b>\$500,000</b>	<b>\$500,000</b>

**Narrative Explanation of Fiscal Impacts:**

Budgeted amount of \$300,000 is available from FY 2020/2021 appropriations for the Water Transmission Fund, for the Occidental, Russian River, South Park, and Sonoma Valley County Sanitation Districts' Operations Funds, and for the Airport/Larkfield/Wikiup, Geyserville, Penngrove, and Sea Ranch Sanitation Zones' Operations Funds. The actual expenditures will vary per fund, due to the condition of electrical equipment at each facility pending inspections and testing. The revenue source for the Water Transmission Fund is water rates and for the Districts and Zones is rate-payer annual sewer service charges. Future fiscal year appropriations will be budgeted in those fiscal years.

<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:**

- Attachment 1: Agreement with IEC Corporation
- Attachment 2: Agreement with DTN Engineers, Inc.
- Attachment 3: Agreement with LEE + RO, Inc.
- Attachment 4: Recipient List

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

None.