



# CITY OF PETALUMA

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PETALUMA, CA 94953-0061

**Teresa Barrett**  
Mayor

January 17, 2023

**D'Lynda Fischer**  
**Mike Healy**  
**Gabe Kearney**  
**Dave King**  
**Kevin McDonnell**  
**Kathy Miller**  
Councilmembers

**Re: ADDENDUM NO. 2 REQUEST FOR PROPOSALS (RFP) FOR ENGINEERING AND DESIGN SERVICES FOR THE ELLIS CREEK WATER RECYCLING FACILITY CHEMICAL UPGRADES PROJECT.**

## QUESTIONS AND ANSWERS FROM SITE VISIT

1. Who is the City's chemical supplier?
  - a. Olin for Hypo
  - b. Univar for Sodium Bisulfite (SBS)
2. Can the City share it's Discharge Permit?
  - a. Yes, here is the link for the facility's NDES permit
  - b. [https://www.waterboards.ca.gov/sanfranciscobay/board\\_decisions/adopted\\_orders/2021/R2-2021-0008.pdf](https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2021/R2-2021-0008.pdf)

3. What is the average and peak day chemical dose requirements at each location?

WEPS location: Summertime usage during prohibition of discharge (May 1 – Oct 20)

- Hypo: avg use 70 gal/day

WEPS location: Winter usage and this location is the primary dosing location for disinfection

Hypo: avg use 400-500 gal/day

Hypo: peak use 2000 gal/day

Chlorine Contact Basin location: Summertime usage during prohibition of discharge (May 1 – Oct 20)

Hypo: not in use

Chlorine Contact Basin Location: When in use as the primary disinfection location

Hypo: avg use 400-500 gal/day

Hypo: peak use 1400 gal/day

SBS is dosed at the outfall junction box, and is used only while discharging to Petaluma River

SBS: average use 200-300 gal/day

SBS: peak use 800 gal/day

4. What is the City's required or desired storage (in days) for each chemical?
  - a. 7-14 days storage

### Public Works & Utilities

**City Engineer**  
11 English Street  
Petaluma, CA 94952  
Phone (707) 778-4303

**Environmental Services**  
Ellis Creek –  
Water Recycling  
Facility  
3890 Cypress Drive  
Petaluma, CA 94954  
Phone (707) 776-3777  
Fax (707) 656-4067

**Parks & Facility Maintenance**  
840 Hopper St. Ext.  
Petaluma, CA 94952  
Phone (707) 778-4303  
Fax (707) 206-6065

**Transit Division**  
555 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4421

**Utilities & Field Operations**  
202 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4546  
Fax (707) 206-6034

**E-Mail:**  
[publicworks@cityofpetaluma.org](mailto:publicworks@cityofpetaluma.org)

5. What are the chemical concentrations for Hypo and SBS?
  - a. 12.5% hypo
  - b. 25% SBS
6. What is the Chemical delivery schedule (i.e. X gallons received every X days) for each chemical?
  - a. We receive 5,000 gal bulk deliveries, loads scheduled based on usage. As frequent as a load every 2-3 days to a load every 4-6 weeks
7. Desired dose control strategy for each chemical
  - a. Maintain current dosing strategy and flexibility. Dose control can be selected as flow pacing from a desired dose setpoint, or residual mode.
8. Clarification of chemical truck route that needs to be upgraded to an all-weather road, or at least the entry points for the chemical trucks to the site.
  - a. Looking for recommendations from design firms. Point of entry is 4400 Lakeville Hwy, or 3890 Cypress Drive
9. Any equipment that may be used for the project that the City standardizes on? Examples could be PLCs, chemical metering pumps, and/or other electrical equipment.
  - a. Milton Roy chemical pumps and all other equipment listed and approved by council for sole sourcing. A complete list is included as an attachment with this Addendum No. 2.
10. Can a full detailed scope of services be included with the Appendix if more details and assumptions and clarifications for each task is required?
  - a. Yes, if the full scope of work does not fit within 15 pages it can be included as an appendix. However, the proposal needs to describe the scope of work in enough detail to address the proposal requirements described in the RFP, Section 1.4 Technical Approach/Scope of Work.
11. Does the fee estimate need to be broken down to phase 1 and phase 2?
  - a. It would be helpful to be able to distinguish phase 1 costs from phase 2, but an overall total should also be shown for phase 1+phase 2, so the total cost is clear.
12. Would you like the fee proposal be sent as a separate document or within the appendix of the proposal?
  - a. Please include the fee proposal within the appendix of the proposal.

If any further information is required, please contact me at [karnold@cityofpetaluma.org](mailto:karnold@cityofpetaluma.org) or (707) 780-7892. Your interest in this project is greatly appreciated.

Sincerely,

*Kristin Arnold*

Kristin Arnold, P.E.  
Senior Civil Engineer

Attachment 1: Sol Sourcing Approved by City Council

Resolution No. 2016-039 N.C.S.  
of the City of Petaluma, California

**MAKING REQUIRED FINDINGS AND AUTHORIZING CITY STAFF  
TO SPECIFY BY BRAND NAME SPECIFIC ELECTRICAL AND  
MECHANICAL EQUIPMENT IN SOLICITING BIDS FOR CONSTRUCTION,  
ALTERATION, AND REPAIR PROJECTS AND OTHER SOLICITATIONS AND  
PROCUREMENTS FOR THE CITY'S SEWER PUMP STATIONS AND  
WASTEWATER TREATMENT FACILITIES**

**WHEREAS**, California Public Contract Code Section 3400, subdivision (b), generally prohibits state and local agencies and their officials from issuing bid specifications for public works projects that limit bids to particular firms or designate items being acquired by brand name, unless bidders are permitted to propose items equal to those specified by brand name; and

**WHEREAS**, Section 3400, subdivision (c) includes an exception that permits state and local agencies and their officials to designate a material, product or service being procured by brand or trade name in certain specified circumstances, including when necessary to match other products in use on a particular public improvement either completed or in the course of completion; and

**WHEREAS**, for the exception in Section 3400, subdivision (c) to apply, the awarding agency or its designee must make a finding that is described in the bid invitation or request for proposals that a material, product or service is designated by brand or trade name for one of the reasons permitted under that subdivision; and

**WHEREAS**, City staff is standardizing the equipment determined to be critical components of City wastewater treatment facilities and sewer pump stations; and

**WHEREAS**, standardization of such critical equipment will help reduce spare parts inventory and reduce training needs by minimizing equipment variations; and

**WHEREAS**, standardization of critical equipment will improve consistency in operation and maintenance and improve reliability by using equipment with a proven record of reliability; and

**WHEREAS**, standardization of critical equipment will reduce long term costs for operation and maintenance by having interchangeable parts for critical components; and

**WHEREAS**, staff has recommended Gravity Thickening Belt by Andritz, Horizontal Chopper Pump by Vaughn, ANSI End Suction Pumps by Gould, Horizontal Fire Tube Boiler by

Cleaver Brooks, Centrifugal Gas Booster by Spencer Turbine, Flexible Coupling by ROMAC, Plug Valves by Dezurik, Automatic Air Vents by Bell & Gossett, 3-Way Temperature Control Operator by Rexa, 3-Way Temperature Control Valve by Fisher, Pump Suction Diffuser and Balancing Valve by Armstrong, Pump Discharge Valve by Mueller Steam Specialty, Manometer by Meriam Instruments Co., Back Pressure Control Valves and Digester Gas Sediment Traps by Varec, Flame Arresters and Non-Sparking Gastight Manhole Covers by Varec, Pressure/Vacuum Relief Valves by Varec, Sample Hatches and 3-Way Multiport Valves by Varec, and Air Release Valves by A.R.I., be the standard equipment to be used in all future wastewater treatment facilities projects; and

**WHEREAS**, staff has recommended Flanged Coupling Adapters by ROMAC, Power Monitors and Automatic Transfer Switch by Eaton, UPS by APC Smart, Combustible Gas Detector by MSA, Emergency Autodialer by Omega, Power Supply and Integrated PLC system by Modicon Quantum, Adjustable Frequency Drives by Eaton, Discrete input and output Modules by Modicon Quantum, Analog input and output Modules by Modicon Quantum, CPU and Ethernet Modules by Modicon Quantum, Integrated PLC interface by Dell, Door intrusion Switches by Sentrol, Level Switches by Flygt Corporation, Radio Transceivers by MDS, Operator interface by Wonderware, and Sewage Combination Air Release Valves by A.R.I., be the standard pump station equipment to be used in all future sewer pump station projects;

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Petaluma as follows:

1. The City Council finds in accordance with California Public Contract Code Section 3400, subdivision (c), that the following critical equipment required to operate the City's sewer pump stations and waste water treatment facilities must be specified in City invitations for bids, requests for proposals and other solicitations and procurements in order to match other products in use on particular City sewer pump station and waste water treatment improvements either completed or in the course of completion:

a. **Critical Sewer Pump Station Equipment:**

- **Flanged Coupling Adapters by ROMAC**
- **Power Monitor and Automatic Transfer Switch by Eaton**
- **UPS by APC Smart**
- **Combustible Gas Detector by MSA**
- **Emergency Autodialer by Omega**
- **Power Supply and Integrated PLC system by Modicon Quantum**
- **Adjustable Frequency Drives by Eaton**
- **Discrete input and output Modules by Modicon Quantum**
- **Analog input and output Modules by Modicon Quantum**
- **CPU and Ethernet Modules by Modicon Quantum**

- Integrated PLC interface by Dell
- Door Intrusion Switches by Sentrool
- Level Switches by Flygt Corporation
- Radio Transceivers by MDS
- Operator interface by Wonderware
- Sewage Combination Air Release Valves by A.R.I.

**b. Critical Waste Water Treatment Facilities Equipment:**

- Gravity Thickening Belt by Andritz
- Horizontal Chopper Pump by Vaughn
- ANSI End Suction Pumps by Gould
- Horizontal Fire Tube Boiler by Cleaver Brooks
- Centrifugal Gas Booster by Spencer Turbine
- Air Release Valves by A.R.I.
- Flanged Coupling Adapters by ROMAC
- Dismantling Joint by ROMAC
- Flexible Coupling by ROMAC
- Plug Valves by Dezurik
- Automatic Air Vents by Bell & Gossett
- 3-Way Temperature Control Operator by Rexa
- 3-Way Temperature Control Valve by Fisher
- Pump Suction Diffuser and Balancing Valve by Armstrong
- Pump Discharge Valve by Mueller Steam Specialty
- Manometer by Meriam Instruments Co.
- Back Pressure Control Valves and Digester Gas Sediment Traps by Varec
- Flame Arresters and Non-Sparking Gastight Manhole Covers by Varec
- Pressure/Vacuum Relief Valves by Varec
- Sample Hatches and 3-Way Multiport Valves by Varec

2. City Staff are hereby authorized and directed in accordance with California Public Contract Code Section 3400 to designate the critical sewer pump station and waste water treatment facility equipment listed above in this resolution by brand or trade name in City invitations for bids and requests for proposals for construction, alteration and repair projects and in other solicitations and procurements and to describe the findings contained in this resolution in such invitations for bids, requests for proposals and other solicitations and procurements. In specifying such critical equipment by brand or trade name City Staff are not required to permit suppliers to propose or furnish alternate or purportedly equal equipment.

3. This resolution shall become effective upon its adoption.

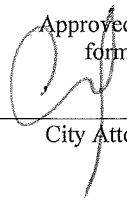
4. If any section, subsection, sentence, clause, phrase or word of this resolution is for any reason held to be unconstitutional, unlawful or otherwise invalid by a court of competent jurisdiction or preempted by state legislation, such decision or legislation shall not affect the validity of the remaining portions of this resolution. The City Council of the City of Petaluma hereby declares that it would have adopted this resolution and each and all provisions thereof irrespective of the fact that any one or more of said provisions be declared unconstitutional, unlawful or otherwise invalid.

Under the power and authority conferred upon this Council by the Charter of said City.

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**REFERENCE:** I hereby certify the foregoing Resolution was introduced and adopted by the Council of the City of Petaluma at a Regular meeting on the 21<sup>st</sup> day of March, 2016, by the following vote:

Approved as to  
form:

  
\_\_\_\_\_  
City Attorney


**AYES:** Barrett, Mayor Glass, Healy, Kearney, Vice Mayor King, Miller

**NOES:** None

**ABSENT:** Albertson

**ABSTAIN:** None

**ATTEST:**

  
\_\_\_\_\_  
City Clerk

  
\_\_\_\_\_  
Mayor