

SECTION 00020

PLACER COUNTY WATER AGENCY 144 FERGUSON ROAD AUBURN, CA 95603 NOTICE INVITING BIDS

NOTICE IS HEREBY GIVEN that **Placer County Water Agency**, hereafter referred to as "Owner" or "Agency", will receive SEALED BIDS at the Owner's Engineering Division at 144 Ferguson Road, Auburn, California 95603 until **2:00 p.m. local time, on October 25, 2023**, for construction of:

Bowman WTP Phase 3 Improvements **Contract No. 2022-02**

At said place and time, and promptly thereafter, all Bids that have been duly received in accordance with the Contract Documents, will be publicly opened and read aloud.

Project Description: In accordance with plans and specifications prepared by Water Works Engineers, LLC, the Work includes the furnishing of all labor, materials, tax, equipment and services for the construction and completion of water treatment plant improvements, including but not limited to the following:

- Remove and dispose of existing 27" raw water piping and existing 30" slide gate.
- Demolition and disposal of existing flocculation basin infrastructure including existing paddle flocculators, rapid mixer, concrete supports, handrail and grating.
- Demolition and disposal of existing influent 18" piping, butterfly valve, and flowmeter
- Supply and install new influent 18" piping, flowmeter, butterfly valve, and chemical injection piping.
- Supply and install new 30" raw water piping and associated chemical injection piping and vault.
- Supply and install of new 30" slide gate
- Supply and install (6) vertical turbine flocculators with motor center addition and (1) rapid mixer.
- Supply and install miscellaneous metals including beams, grating, handrail, and davit bases.
- Construction of intake screen channel, supply and installation of automatic fine screen with controls.
- Appurtenant paving, bollards, grading, yard piping, valving, instrumentation, controls, and electrical work to the improvements described above.

The total Contract Time to achieve Final Completion is 480 calendar days.

The estimated cost of construction is \$1,750,000.

At the time the Contract is bid, awarded and for the duration of the contract, the Owner has determined that the General Contractor shall possess a valid State of California Class A-General Engineering Contractor's License. Failure to possess the specified license shall render the bid as non-responsive. Bidders must comply with the provisions of the Business and Professions Code Section 7028.15 by setting forth their license number and expiration date on their bid.

SECTION 00800

**PLACER COUNTY WATER AGENCY
144 FERGUSON ROAD
AUBURN, CA 95603**

SUPPLEMENTARY GENERAL CONDITIONS

1.0 MODIFICATIONS TO THE GENERAL CONDITIONS

1.1 Time Allowed for Completion

In accordance with the provisions of Section 00700-6.2, **Contract Time**, the following Substantial Completion and Final Completion contract times shall be completed within the number of consecutive calendar days from the date established in the Notice to Proceed for the commencement of Contract Time.

Substantial Completion – Completion of the Work as described in Section 00800 - 4.0
Substantial Completion

Contractual Completion Event	Completion Time (# of calendar days from <u>Notice to Proceed</u> date)
1. Substantial Completion	450
2. Final Completion	480

1.2 Damages for Delays

In accordance with the provisions of Section 00700-6.5, **Liquidated Damages**, for the period of time that any portion of the work remains unfinished after the time fixed for Substantial Completion and/or Final Completion in Section 00800-1.1, **Time Allowed for Completion**, as modified by extensions of time granted by the Owner, it is understood and agreed by the Contractor and the Owner that the Contractor shall pay the Owner the damages listed below.

Milestone	Dollars Per Day Liquidated Damages (Amount in Dollars)
1. Substantial Completion	\$2,000
2. Final Completion	\$500

1.3 Weather Days

In accordance with the provisions of Paragraph 00700-6.4.2.C, Weather Delays, an allowance of forty-five (45) working days of weather caused delay have been included in the time allowed for completion. This allowance represents a reasonable assessment of anticipated lost working days based on historical weather patterns. These weather days shall be included in the Contractor's schedule as specified in Section 01325-3.0, **WEATHER CONDITIONS**.

1.4 Contract Administration

The following project representatives are hereby designated by the Owner:

- A. Name of Owner Representative: Kelly Shively, PCWA
- B. Name of Engineer: Joe Ziemann, Water Works Engineers
- C. Name of Construction Manager: Jordan Jakobsen, PCWA

All communications to and from the Contractor shall be routed through the Construction Manager. Wherever the Contract Documents indicate that the Contractor shall contact or notify the Engineer, Architect, Soils Engineer, Structural Engineer, etc., the Contractor shall route such communication through the Construction Manager except when otherwise explicitly approved by the Construction Manager.

2.0 LIABILITY AND INSURANCE

2.1 Insurance

Within ten (10) days after notice of award of the Contract, the Contractor shall promptly obtain, at its own expense, all the insurance required by Section 00800-2.0, **LIABILITY AND INSURANCE**, and submit coverage verification for approval by the Owner prior to the Owner's execution of the Contract. The insurance shall provide the minimum coverage and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve the Contractor from liability in excess of such limits. All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible shall be the responsibility of the Contractor.

The Notice to Proceed with the Work under this Contract will not be issued, and the Contractor shall not commence work, until such insurance has been approved by the Owner. Such insurance shall remain in full force and effect at all times during the prosecution of the Work and until the final completion and acceptance thereof. The Contractor's obligation to indemnify shall survive the termination or completion of this agreement for the full period of the time allowed by law and shall not be restricted by the insurance requirements of this Contract or to insurance proceeds, if any received by the Owner, or its directors, officers, employee's and/or authorized volunteers. Unless otherwise stated, insurance shall be kept in force for two years following the Acceptance. The Notice to Proceed does not relieve the Contractor of the duty to obtain such insurance as required herein.

The Contractor shall not allow any subcontractor to commence work on its subcontract until all similar insurance required of the subcontractor has been obtained and verified by the Contractor or upon request submitted to the Construction Manager for the Owner's review and records. Subcontractors shall furnish original certificates and required endorsements as verification of insurance coverage. The insurance liability limits specified in Section 00800-2.1.1. b(2), **LIABILITY AND INSURANCE**, shall also apply for all subcontractors listed in Section 00430, **DESIGNATION OF SUBCONTRACTORS**. The Contractor shall designate the required insurance liability limits for all other subcontractors.

Companies writing the insurance under this article shall be licensed to do business in the State

2. Each control wire shall be identified at both ends.
- C. NEMA Ratings
1. Motor starters shall be designed to NEMA ratings.
 2. Starters designed to IEC ratings or with dual IEC/NEMA ratings will not be accepted, either as part of an MCC, as remote starters, or as part of an equipment package.
- D. Unless otherwise indicated, 2-speed starters shall be of the 2-winding type.
- E. Variable Frequency Drives
1. Variable frequency drives (VFDs) shall be in accordance with the requirements of Section 16269 – Variable Frequency Drives.
 2. An externally mounted line reactor, cooling fan, and bypass contactor will not be accepted.

2.05 FACTORY TESTS

- A. Provide the manufacturer's standard electrical and mechanical production tests and inspections for motor control centers and their components.
- B. The tests shall include electrical continuity check, dielectric tests for each circuit, and inspection for proper functioning of components including controls, protective devices, metering, and alarm devices.

2.06 SPARE PARTS

- A. The CONTRACTOR shall furnish the following for each MCC:
 1. Unit Control Transformer: one of each size furnished in magnetic starters installed
 2. Bezels: 3 of each color installed for pilot indicators
 3. Panel Lamps: one dozen of each type (form, voltage and current rating) installed
 4. Control Fuses: one dozen of each type (form, voltage and current rating) installed
 5. Relays: one of each type and size installed
- B. Spare parts shall be identified by MCC number, type, size, and manufacturer.

2.07 MCC INTEGRATOR/SUPPLIER, or pre-approved equal.

A. TESCO CONTROLS

1. Contractor may elect pre-approved equal by submitting preliminary MCC elevations during bid showing the proposed MCC dimensions satisfy existing electrical building conditions.

PART 3 - EXECUTION

3.01 GENERAL

- A. The CONTRACTOR shall install motor control centers in accordance with the manufacturer's published instructions.
- B. Conduit installation shall be coordinated with the manufacturer's as-fabricated drawings such that conduit stub-ups are within the area allotted for conduit.
- C. Conduit shall be stubbed up in the section that contains the devices to which conductors are terminated.

3.02 STORAGE AND HANDLING

- A. If stored at the Site, motor control centers shall be stored in a clean, dry space.
- B. Factory wrapping shall be maintained or an additional heavy plastic cover shall be provided to protect units from dirt, water, construction debris, and traffic.
- C. The storage space shall be heated or the MCC space heaters shall be energized.

SECTION 00420

PLACER COUNTY WATER AGENCY 144 FERGUSON ROAD AUBURN, CA 95604

CERTIFICATION OF BIDDER'S EXPERIENCE AND QUALIFICATIONS

PROJECT: Bowman WTP Phase 3 Improvements

CONTRACT NO.: 2022-02

The undersigned Bidder represents that it is competent, knowledgeable and has the special skills to perform the work required for this project. The Bidder further represents that it has evaluated and recognizes the requirements of the Project and the conditions and circumstances under which the Project is to be performed. The Bidder further acknowledges that these inherent conditions existent in the construction of particular facilities may create, during construction, unusual or unsafe conditions hazardous to persons and property. The Bidder expressly acknowledges that it is aware of such risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work with respect to such hazards.

A. COMPANY EXPERIENCE- To be filled in and submitted with Bid.

The Agency will evaluate the Bidder's responsibility based on information included in or otherwise required by this Section 00420 and such additional information as the Agency may receive. The Agency will evaluate the Bidder's length and depth of experience with comparable Qualifying Projects. For the Agency to consider the Bidder properly experienced in work of similar nature to this project, the Bidder must list at least three (3) and not more than six (6) Qualifying Projects, with at least two (2) being public works contracted directly with the public entity as the owner, completed since 2014 meeting all of the following Qualifying Criteria:

1. The Project involved as the primary work potable water treatment plant construction or improvements.
2. The Prime Contractor self-performed at least fifty percent (50%) of the work on the Project.
3. The Total Project Cost (Prime Contract) exceeded \$1,000,000.

The Agency may investigate and independently determine whether the listed Qualifying Projects meet the Qualifying Criteria. The Bidder may include only project(s) for which it was Prime Contractor and projects completed by its Project Manager, named below, working for other companies as Prime Contractor. For projects completed for other companies to be eligible to be Qualifying Projects, the Project Manager shall have worked on them in a capacity similar to that of this Project. The Agency may accept as a Qualifying Project a Bidder's listed project that does not meet all the Qualifying Criteria, provided that the Bidder adequately demonstrates with its Bid that the Qualifying Projects it has listed are sufficient to give it the necessary experience to be a responsible Bidder. The Agency's decisions as to responsibility will be based on an overall evaluation of all information received.

SECTION 01110

**PLACER COUNTY WATER AGENCY
144 FERGUSON ROAD
AUBURN, CA 95603**

SUMMARY OF WORK

1.0 THE WORK COVERED BY THE CONTRACT DOCUMENTS

A. The Work consists of, but is not limited to the general items listed below:

- Remove and dispose of existing 27" raw water piping and existing 30" slide gate.
- Demolition and disposal of existing flocculation basin infrastructure including existing paddle flocculators, rapid mixer, concrete supports, handrail and grating.
- Demolition and disposal of existing influent 18" piping, butterfly valve, and flowmeter
- Supply and install new influent 18" piping, flowmeter, butterfly valve, and chemical injection piping.
- Supply and install new 30" raw water piping and associated chemical injection piping and vault.
- Supply and install of new 30" slide gate
- Supply and install (6) vertical turbine flocculators with motor center addition and (1) rapid mixer.
- Supply and install miscellaneous metals including beams, grating, handrail, and davit bases.
- Construction of intake screen channel, supply and installation of automatic fine screen with controls.
- Appurtenant paving, bollards, grading, yard piping, valving, instrumentation, controls, and electrical work to the improvements described above.

B. The Contractor shall provide all labor, superintendence, materials, plant, power, light, heat, fuel, water, tools, appliances, equipment, supplies, services, and other means of construction necessary or proper for performing and completing the Work specified in the Contract Documents. The Contractor shall perform and complete the work in the best manners that promote rapid and efficient construction activities consistent with safety of life and property, to the satisfaction of the Construction Manager, and in strict accordance with the Contract Documents.

C. The Contractor shall comply with all codes, ordinances, regulations, orders, and other legal requirements of public authorities having bearing on the performance of the Work.

2.0 LOCATION OF PROJECT

A. The Work is located at PCWA's Bowman WTP, 595 Christian Valley Rd, Bowman, CA, 95602.