



TRIUNFO
WATER & SANITATION DISTRICT

REQUEST FOR PROPOSALS

FOR

Tapia Water Reclamation Facility: Effluent Metering
Replacement

PROPOSALS DUE by 3:00 p.m., February 26, 2020

LAS VIRGENES – TRIUNFO JOINT POWERS
AUTHORITY
4232 LAS VIRGENES ROAD
CALABASAS, CA 91302
818.251.2100

January 2020

REQUEST FOR PROPOSALS
Las Virgenes – Triunfo Joint Powers Authority

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ATTACHMENTS

- Drawings for reference: RFE IV (Tapia) 1990 Volume V Filtration- Disinfection Addition (contains 001 outfall and groundwater pump and meter drawings).
- Drawings for reference: Tapia 003 Outfall 1979
- Tapia Summer Discharge Compliance 90 pct. Submittal Drawings (Reference Only)
- Photos
- Professional Services Agreement

I. BACKGROUND INFORMATION

The Las Virgenes – Triunfo Joint Powers Authority (JPA) was formed between the Las Virgenes Municipal Water District (LVMWD) and the Triunfo Water and Sanitation District (TSD) in 1964 to construct, operate and maintain a joint wastewater treatment system for their respective service areas, primarily within the Malibu Creek Watershed. The JPA facilities include the Tapia Water Reclamation Facility (WRF), the Rancho Las Virgenes Composting facilities, approximately 60 miles of trunk sewers, and an extensive recycled water transmission and distribution system.

The Tapia WRF was originally constructed to treat 0.5 million gallons per day (MGD). Several expansions have increased the plant to a capacity of 12 MGD, treating wastewater to the tertiary level. Tapia currently treats approximately 7.0 MGD adwf, which is disposed of through three different means: recycled water use, discharge to the Los Angeles River, or discharge to Malibu Creek. Discharges to Malibu Creek and the Los Angeles River are regulated under a National Pollutant Elimination System (NPDES) permit issued by the Los Angeles Regional Water Quality Control Board (LARWQCB).

Currently discharge to Malibu Creek (outfall 001) is metered by an ultrasonic level sensor, which measures flow over a weir. The Tapia Summer Discharge Compliance Project, which is expected to begin construction in mid-2020, will remove the weir and require a new effluent measuring device to be installed.

A second outfall to Malibu Creek (outfall 003), is used during periods of extremely high effluent flows and during summertime discharge (as required by Tapia's NPDES permit). This outfall contains a Parshall flume, which was used to measure flow in the past. The level measuring device on the flume is no longer operational and a new flow measurement system needs to be installed.

The Tapia WRF has a second NPDES permit for the discharge of underlying groundwater to Malibu Creek for structural protection of plant processes. Water from the groundwater wells located adjacent to the balancing pond is pumped and metered before being discharged through a 6-inch pipeline to the 003 outfall downstream of the flume. The current meter cannot be annually calibrated as required by the RWQCB and need to be replaced.

II. SCOPE OF WORK

The proposed scope of work includes the following tasks; however, the consultant should include additional tasks as necessary for the ultimate success of the project:

1. Design:

- Review attached documentation for reference and make recommendations on type and installation methods for the replacement of the outfall 001, outfall 003, and the groundwater discharge meters. All meters are to be connected to SCADA. Currently, only the 001 outfall meter is connected to SCADA.
- After JPA staff approval of recommendations, produce plans and specifications for bidding the meter replacement project including installation and connection into the existing PLC/SCADA.
- Treatment plant operations should have minimal interruption during the project. Some items of work may need to be scheduled to occur during certain timeframes to minimize impacts.

- Provide a digital copy of the plans and specifications. (Specifications shall be in MS Word format, drawings are to be in AutoCAD and Adobe Acrobat format).
 - Provide support services during bidding and construction.
2. Receive and incorporate JPA staff input/direction.
 3. Perform site visits and meetings with District staff as necessary.
 4. Other proposed services and tasks.

III. SERVICES OR DATA PROVIDED BY DISTRICT

The District will provide the following data, access, services or resources:

- Access to the facilities.
- Available records.
- District staff to answer questions.

IV. MINIMUM CONSULTANT QUALIFICATIONS

- The selected firm shall have staff registered as a State of California Professional Engineer.
- The District's standard Consultant Agreement is included as an attachment. The consultant shall have the ability to execute the agreement in this form Professional liability insurance in the amount of \$2 million.
- Proven experience on at least three recently completed projects of similar scope.

V. PROPOSAL REQUIREMENTS

- 1) Legal name of firm with address, telephone number and the name of at least one principal.
- 2) Project understanding and approach.
- 3) A recommended scope of work, which clearly displays an understanding of the project, including a proposed schedule.
- 4) Provide an itemized list of cost for the investigation, evaluation, identification of options, and recommendation listed in the scope of work.
- 5) List of assumptions or recommended services that are not a part of the proposal.
- 6) Names and résumés of individual(s) proposed to perform the services, including proof of professional registrations, as appropriate.
- 7) Names, qualifications and principals of any sub-consultants to be utilized in providing the service(s).
- 8) References for three recently completed projects of similar scope, including contact person and telephone number.
- 9) Description of the firm's internal quality control process.
- 10) Certificate of professional liability insurance.
- 11) Cost to perform the services, a schedule of rates and any anticipated rate changes. The costs and rate schedule shall be provided in a separate package.

VI. EVALUATION CRITERIA

Proposals will be evaluated based upon the following:

- 1) A comprehensive and understandable Scope of Work.
- 2) Expertise in performing the Scope of Work.

- 3) The quality of performance on similar past projects, including those on which the proposed team has worked together.
- 4) The ability to meet time schedules and complete the work within established budgets.
- 5) The firm's history and resource capacity to perform the requested service.
- 6) The experience and qualifications of assigned personnel.
- 7) The cost of proposal.

Interviews with selected consultants maybe conducted as a part of the review process.

VII. REQUEST FOR PROPOSAL SCHEDULE

Request for Proposals
Pre-proposal Meetings
Proposal Due Date (3:00 p.m.)

January, 2020
If requested by consultant
February 26, 2020

Please submit a digital copy of your proposal no later than 3:00 p.m. on February 5, 2020 by e-mailing or delivering them to:

Attn: Brett Dingman, P.E.
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302
bdingman@lvmwd.com

For questions, or to arrange a tour. Please contact Brett Dingman (818) 251-2330, bdingman@lvmwd.com.