

REQUEST FOR PROPOSALS

for the

Groundwater Augmentation Feasibility Analysis for the Montecito Groundwater Basin



Montecito Water District

583 San Ysidro Road
Santa Barbara, CA 93108

I. STATEMENT OF PURPOSE

The Montecito Water District (District) is soliciting proposals from qualified consultants to provide professional consulting services to conduct a hydrogeological investigation of the Montecito Groundwater Basin to evaluate the basin's ability to accept, store and extract water under varying hydrologic conditions and meet recycled water regulations for groundwater augmentation. The purpose of the investigation is to determine the feasibility of implementing groundwater augmentation project(s) with injection / extraction wells using advanced treated recycled water. This Request for Proposals (RFP) outlines the expected submittals for all interested Proposers.

II. BACKGROUND

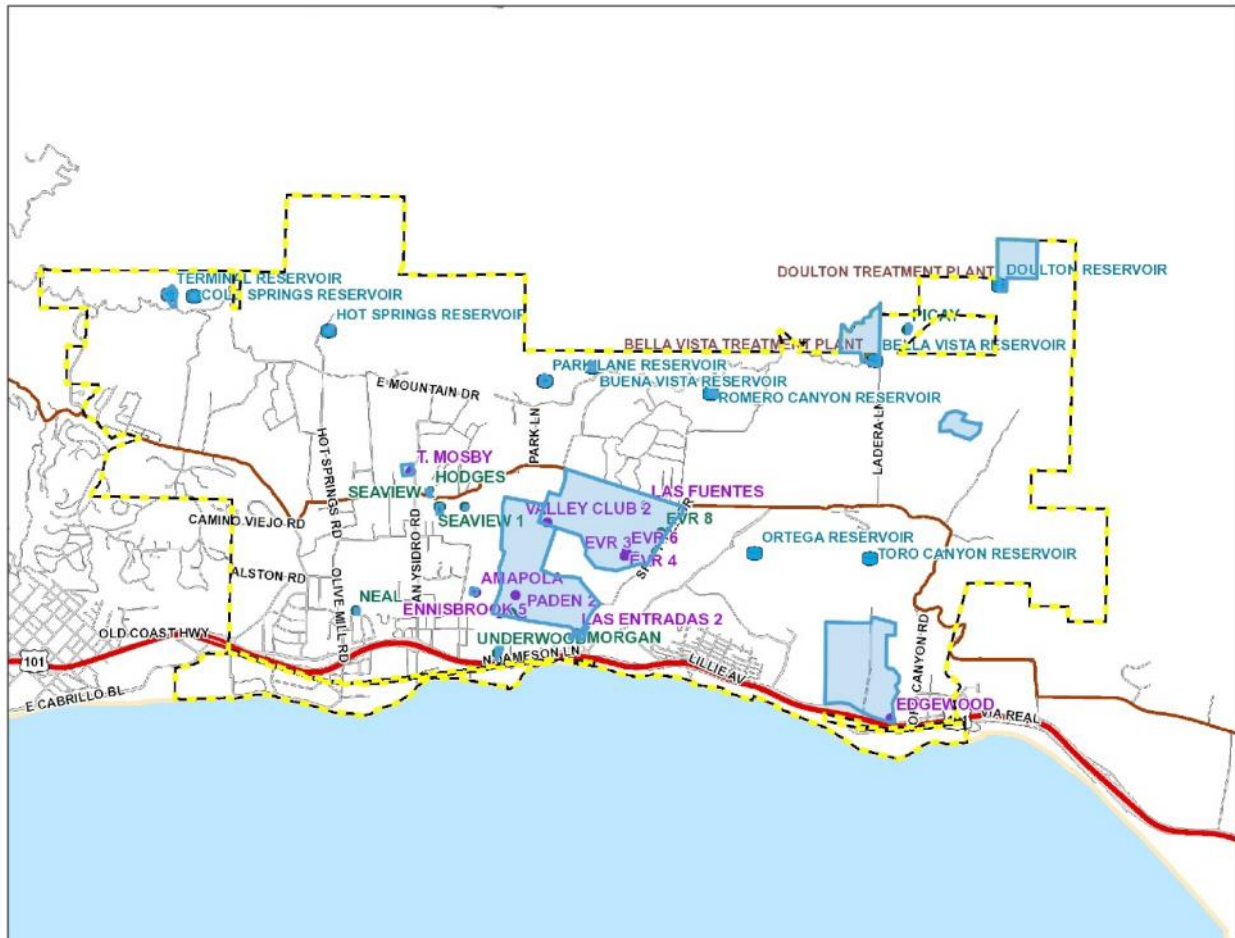
The District was formed as a County Water District in November 1921 with the purpose of providing cost-effective potable water to its customers. The District is located on the Central Coast of California, adjacent to the City of Santa Barbara in southern Santa Barbara County. The District encompasses an area of approx. 9,900 acres and serves a population of approximately 11,400 residents. The District's service area consists primarily of single-family residential homes located in the unincorporated communities of Montecito and Summerland.

The District is committed to pursuing local, drought proof supplies and recently undertook a Recycled Water Facilities Plan to evaluate recycled water options to meet its future water supply needs. The plan identified the potential to produce approximately 500-acre feet per year (AFY) of fully advanced treated recycled water from Montecito Sanitary District (MSD) for both non-potable reuse and indirect potable reuse (IPR). The plan recommended a hydrogeological investigation to evaluate whether basin storage capacity is sufficient to inject water consistently under a variety of hydrologic conditions and whether the project could meet groundwater augmentation regulations related to minimum travel times. Should a larger volume of advanced treated water be available in the future, the District is interested in assessing the potential of augmenting groundwater supplies with as much as 1,000 AFY.

The Montecito Basin, Basin No. 3-049 in DWR's Bulletin 118 is considered a medium priority basin under CASGEM. The District is initiating compliance with the Sustainable Groundwater Management Act (SGMA) and anticipates substantial technical work to commence in early 2019. The District's available groundwater data will be made available to the Proposer. It is expected the data, results and any relevant information part of this hydrogeologic investigation will be shared with the SGMA consultant.

There are four sub-basins in the Montecito Basin (known as Storage Units Nos. 1, 2 and 3) and one additional storage unit (Toro Canyon Storage Unit) which lies adjacent to, and is partially separated geologically from, the Carpinteria Groundwater Basin. The three Montecito storage units are divided on the basis of east-west trending faults that act as

barriers to down-slope groundwater movement. The northern unit (Storage Unit 1) is bounded on the south by the Arroyo Parida Fault, the central unit (Storage Unit 2) by the Montecito Fault and the southern unit (Storage Unit 3) by the Rincon Creek Fault, which is located under the ocean to the south of the coastline. The District owns groundwater rights in the within properties shown in the figure below. The figure also shows active (purple) and inactive (green) District wells.



III. SCOPE OF SERVICES

The scope of work presented here is a general overview of work expected to be completed. The Proposer shall define the specific project approach and scope of services. The Proposer shall include a detailed description of all project tasks, including those suggested herein, with any recommended changes or additions. Each task shall include a discussion of the proposed methodology, key personnel involved, and scheduling.

Task 1: Kick-Off Meeting

A project kick-off meeting shall be held at the District's office with attendance from key personnel from the Proposer's team. During the kick-off meeting, the scope of

services, project schedule, and communication protocols shall be reviewed and finalized.

Task 2: Data Gathering

The Proposer shall collect and review data obtained from the District, regulatory agencies, or other identified sources needed for the hydrogeological investigation. It is anticipated that the data will include:

-) Previous groundwater studies – describing aquifer characteristics (thickness, orientation, extent, degree of confinement), estimates of aquifer properties, etc.
-) Well Data for District Owned Wells -production well pumping rates, water quality, well logs, geophysical logs, water level data, pump test results and well yields.
-) GIS data – topography, well locations, approximate fault locations, and parcels with groundwater wells.
-) Any other data relevant to the completion of this scope.

Task 3: Hydrogeological Characterization

The Proposer shall prepare a hydrogeologic characterization of the Montecito Basin where groundwater augmentation project(s) are determined to be most feasible. The purpose of the characterization is to assess the ability of the basin to accept, store, and ultimately produce potable water to be used by the District.

The Proposer shall provide the District with a technical memorandum (TM) describing the area(s) where groundwater augmentation project(s) are determined to be most feasible. This includes:

-) developing an understanding of available storage space (considering wet, normal and drought conditions);
-) existing groundwater production and potential increase from groundwater augmentation;
-) existing and potential injection well and production well rates;
-) location of confining layers and faults that would limit the recharge rates and volumes;
-) location and potential incorporation of District owned and non-District owned wells into a groundwater augmentation project;
-) existing groundwater quality, including the location of known sources of contamination; and
-) minimum water quality standards for any source of water to be considered for injection into the basin.
-) location of sensitive habitats, waterways, or other assets that could be impacted by recharge operations,
-) direction of groundwater movement, and
-) Any other relevant information and results.

Deliverable: The hydrogeological analysis shall be presented to the District in the form of a Draft TM to be submitted via email and presented to the Strategic Planning Committee at an in-person meeting. Following the Strategic Planning Committee meeting, the Proposer shall incorporate comments into the TM.

The Proposer is not expected to provide engineering services related to this task. Engineering design will be performed in future phases if IPR is determined to be feasible.

Task 4: Groundwater Augmentation Feasibility Analysis

The Proposer shall use the information developed in the hydrogeological characterization to identify favorable areas for groundwater augmentation and estimate the injection/extraction facilities required to recharge up to 1,000 AFY of advanced treated recycled water. Identification of well locations shall consider:

-) benefits to downgradient supply wells;
-) minimum residence time to meet regulations;
-) proximity to District and non-District wells;
-) potential adverse impacts (liquefaction, mounding to near the ground surface, discharge to creeks, dissolution of metals, mobilization of contaminants);
-) land requirements; and
-) ownership of groundwater extraction rights.

Although the Consultant is expected to determine the feasibility of groundwater augmentation across the District boundary, the District is specifically interested in the areas where it owns groundwater rights and the Toro Canyon sub-basin for siting a potential future groundwater augmentation project. The map above shows the approximate limits of District groundwater rights within the Montecito Basin.

The Proposer shall address the feasibility of implementing groundwater augmentation using advanced treated recycled water in these areas and any other viable areas within the Montecito Basin and summarize their results in a TM.

The Proposer is not expected to provide engineering services related to this task. Engineering design will be performed in future phases if IPR is determined to be feasible.

Deliverable: The analysis of groundwater augmentation feasibility shall be presented to the District in the form of a Draft TM to be submitted via email and presented in-person to the Strategic Planning Committee. Following the Strategic Planning Committee meeting, the Proposer shall finalize the TM for an in-person presentation to the Board of Directors.

Task 5: Project Management

The Proposer shall provide management services, including project team assignment, meeting preparation and attendance, maintenance and monitoring of the budget and schedule, and quality assurance and quality control of deliverables.

IV. PRE-PROPOSAL MEETING

A pre-proposal meeting is scheduled for **10:00am on Friday, February 22, 2019** at the District Office at 583 San Ysidro Road, Santa Barbara, CA 93108. Interested proposers are encouraged to attend but attendance is not a mandatory requirement to propose on this project.

V. SUBMITTAL REQUIREMENTS AND PROPOSAL FORMAT

Submittals shall conform to the requirements described herein.

Proposers shall submit to District; three (3) original hard copies and one (1) electronic PDF copy on CD of the Proposal by **5:00 PM on Friday, March 15, 2019**. Proposals shall be bound separately. Proposals shall be submitted in a sealed envelope clearly marked **Proposal for Groundwater Augmentation Hydrogeologic Investigation**.

The Fee Proposal shall be submitted in a separate envelope marked **Fee Proposal for Groundwater Augmentation Hydrogeologic Investigation**.

Proposals shall be sent to:

Montecito Water District
Attn: Adam Kanold, PE
Engineering Manager
Montecito Water District
583 San Ysidro Road
Santa Barbara, CA 93108-2124

The minimum information required for inclusion in the Proposal shall be as listed below. The Proposer may submit additional information if needed.

1. Table of Contents
2. Background of Firm
3. Proposer's qualifications and experience within the last five (5) years as the prime consultant of record, and descriptions of representative projects similar in nature and scope that include owner name and references that can be contacted by District.
4. Subconsultant's (if any) qualifications and experience within the last five (5) years and descriptions of representative projects similar in nature and scope that include owner name and references that can be contacted by District.

5. Proposer's understanding of the project and a description of how the Proposer will approach the project with specific milestones and deliverables for each task.
6. Detailed description of the Scope of Services to be provided with a breakdown of different tasks. Proposer may revise the scope of services in this RFP and should call out the proposed revisions in their proposal.
7. Organization chart of key personnel and resumes for project team, including name of Project Manager, key staff members, and any subconsultants to be retained by Proposer.
8. Proposed project schedule provided by Proposer shall include time for review of deliverables by District staff and include any meetings.
9. Confirmation of Receipt of all related addenda (if any).
10. Proposer's fee for the project, broken down separately for each of the tasks. The fee shall be based on the Proposer's employee rate schedule with a not to exceed amount, including the estimated costs for mileage, reimbursable and reproduction costs. Please submit employee rate schedule with the proposal. Fee Proposal shall be submitted in a separate envelope marked **Fee Proposal for Groundwater Augmentation Hydrogeologic Investigation**. Proposer's fee will not be used as the sole basis for selection; however, it will be a key factor for consideration.

VI. EVALUATION OF PROPOSALS AND SELECTION PROCESS

Proposer submittals will be evaluated as described below. Submittals which do not comply with all submittal requirements as stipulated herein may be considered non-responsive by the District and may not be considered for selection. Proposals deemed responsive will be evaluated based on the following.

1. Qualification of Firm and Key Personnel including any Subconsultants
2. Experience and qualifications of the project team with similar projects
3. Understanding of District's project goals
4. Quality and completeness of the proposal
5. Total fee
6. Proposed Scope of Work

The District may elect to conduct interviews of some or all Proposers. The above items will be used in combination with the interview to evaluate and select a qualified firm to complete the project.

VII. PROPOSED PROJECT SCHEDULE

RFP Issued	Friday February 8, 2019
Pre-Proposal Meeting	Friday February 22, 2019
Proposal Due	Friday March 15, 2019
Notice to Proceed	Wednesday March 27, 2019
Draft TM - Hydrogeologic Characterization	Friday May 31, 2019
Strategic Planning Committee Meeting	June 2019
Draft TM – Groundwater Augmentation Feasibility Analysis	Friday July 26, 2019
Strategic Planning Committee Meeting	August 2019
Meeting with Board of Directors	August 2019
Final TM – Groundwater Augmentation Feasibility Analysis	Friday August 30, 2019

VIII. RESERVATION OF RIGHTS

The District reserves the rights to reject any and all Proposals. This Request for Proposals is a solicitation, not an offer to contract. The District reserves the right to issue clarifications and other directives regarding this RFP, to require further clarification or information with respect to any Proposal submitted, and to determine the final terms and conditions of any contract. Any and all costs associated with the preparation and response to this RFP shall be borne solely by the Proposer and at no cost to the District.

IX. QUESTIONS

Questions regarding this Request for Proposal (RFP) shall be addressed to:

Adam Kanold, PE
Engineering Manager
Montecito Water District
583 San Ysidro Road
Santa Barbara, CA 93108-2124
akanold@montecitowater.com

Questions can be submitted via U.S. mail, express carrier or electronic mail.

Questions submitted after 5:00 PM on Friday March 8, 2019 will not be answered.