

Hazen



Coastal Treatment Plant Resiliency and Water Quality Improvements

Phase 2 Funding Strategy Plan Implementation



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April 24, 2024

South Orange County Wastewater Authority
 Attn: Jim Burror
 34156 Del Obispo Street
 Dana Point, CA 92629

South Orange County Wastewater Authority Coastal Treatment Plant Resiliency and Water Quality Improvements – Phase 2 Funding Strategy Plan Implementation

Dear Jim,

Hazen is pleased to submit this proposal as the implementation phase of the South Orange County Wastewater Authority (SOCWA) Coastal Treatment Plant – Resiliency and Water Quality Improvement Funding Strategy (CTP Strategy). The CTP Strategy was submitted to SOCWA’s Board of Directors (Board) on January 29, 2024, and approved by the Board on April 4, 2024. This second phase of the project will involve developing and submitting funding applications that SOCWA has the greatest chance of funding success and leverage both loans and grants to meet the funding goals for the design and construction of the CTP Resiliency and Water Quality Improvement project(s).

Hazen offers an experienced multidisciplinary team with extensive grant and loan funding success from state, local, and federal sources. We understand funding priorities and have decades of relationships with the agencies distributing those funds. We also bring financial analysis, environmental compliance, and project design engineers—the technical support required to develop a competitive loan or grant application.

The project will build off the approved funding strategy, focusing on applying for WIFIA funding, maximizing available grant funding, and setting a feasible and tangible path to garner funding aligned with SOCWA’s design and construction timeline.

Our team is organized to efficiently meet your specific technical, schedule, and budget constraints, and we are prepared to initiate funding work immediately. Below are some of the benefits our team brings to SOCWA.

Funding Assistance Secured by Hazen over the Past 10 Years



\$1.6 Billion+
 Grant Funding
 Amount



\$2.5 Billion+
 Loan Funding
 Amount

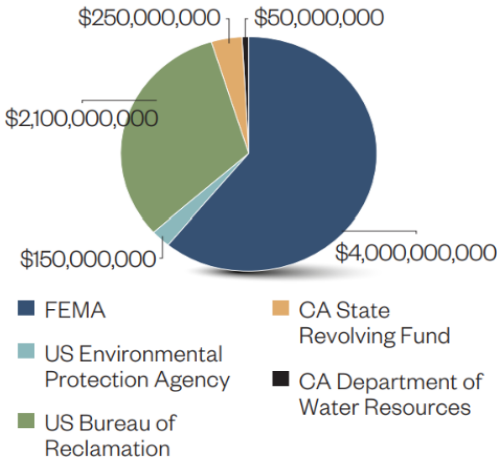


\$4.1 Billion+
 Total Funding
 Amount

Experienced Project Manager & Funding Expert:

Our Project Manager, Lisa Hulette, MBA, brings over 20 years of funding experience in the western United States. She has worked closely with state resource agencies to develop grant guidelines and has a remarkable success rate in securing grant awards. Lisa's expertise extends beyond her direct work, as she has been a key participant in federal public grant review committees for the past decade. Her deep understanding of funding, strategic grant insight, and full compliance knowledge make her a valuable asset to our team. President Joseph Biden announced one of her recent grant awards during a press conference, showcasing how an agency can creatively respond to a critical infrastructure issue following a natural disaster and then leverage federal funding to solve the problem.

Available Funds by Source



Full-Service Team: Hazen's team includes Dave Jones, PE, who is widely recognized as an industry leader in water infrastructure planning design and familiarity with SOCWA; Mary Hambel, PE, brings additional local knowledge and funding expertise; and Trapa Barua, AICP, is fluent in all aspects of environmental compliance and permitting requirements that are part of all funding applications. Our team has a close working relationship with each other, which supports cohesive and responsive delivery. Depending on the complexity of the grant or loan application, Hazen may utilize the services of our in-house GIS team for grant-specific maps, an economist for any water monetization requirements of the future cost of water, and our construction cost estimator.

Hazen previously entered into a contract utilizing SOCWA’s standard professional services contract. We understand SOCWA’s processes and are confident that we can secure funding for this project and provide the high level of service Hazen is known for.

Please call if you have any questions about our proposal. We look forward to working with you.

Very sincerely yours,

Dave Jones
Dave Jones, PE

L Hulette
Lisa Hulette

Scope of Work

This scope of work has been developed as the implementation component of the SOCWA CTP Coastal Resiliency Funding Strategy Plan (Funding Plan). Our focus is on balancing grants and loans to implement the CTP Program.

Hazen will provide template letters of support, board resolutions, standard funding forms, and registrations for submission to funding agencies.

Task 1: Develop a Funding Implementation Workplan. Hazen, in collaboration with SOCWA, will develop a funding workplan that establishes when information will be needed from SOCWA (e.g., Data, Board Resolutions, Letters of Support, etc.), the funding goal for each opportunity, the impact of funding on rates, the timing of each deliverable, and the anticipated date of award.

- ↳ **Submittal Deadline:** Within 30 days of the Notice to Proceed

Task 2: Develop and submit a US Bureau of Reclamation (Reclamation) WaterSmart Planning & Design Grant Application. This task will run concurrently with task 1. The purpose of this grant opportunity is two-fold: to receive design funds and environmental compliance funding and to have a Reclamation-approved design that will meet all Reclamation requirements for a construction application.

- ↳ **Submittal Deadline to Reclamation:** May 21, 2024¹

Task 3: Develop and Submit a Water Infrastructure and Innovation Act (WIFIA) Loan Application.

This task will begin on completion of the funding work plan. Hazen will work with SOCWA to develop a WIFIA loan application to bring money to launch the CTP Program and provide local cost-share for state and federal grant applications. This task includes coordination with EPA WIFIA staff, writing the Letter of Intent (LOI), and developing the WIFIA application. The application submittal date is an estimate based on the typical time for the EPA to approve the LOI.

- ↳ **LOI Submittal to EPA:** September 30, 2024
- ↳ **Application Submittal EPA:** January 5, 2025

¹ If the contract is not signed within two weeks of the Reclamation Planning Grant 2024 deadline, then other design grants may be considered

Task 4. Develop and Submit FEMA Building Resilient Infrastructure and Communities (BRIC) Grant Application.

CalOES is the primary grantee to FEMA’s BRIC grant program. SOCWA will apply as a sub-applicant to CalOES. Hazen will work with SOCWA to develop a competitive two-phased BRIC grant Notice of Intent and subsequent application for submittal to CalOES. A two-phased grant allows SOCWA to utilize federal grant funding for design, environmental compliance, and construction. We will develop a strategic & competitive grant, which includes a benefit-cost analysis. The budget for the task consists of CalOES Requests for Information (RFI), a standard part of the application, but does not include any federal RFI’s that may be required.

- **NOI Submittal:** August 30, 2024

- **Application Submittal:** December 31, 2024

Task 5. Develop and Submit Environmental Protection Agency (EPA) Climate Resilient Pollution Reduction Grant or US Bureau of Reclamation (Reclamation) WaterSmart Grant

Hazen will develop and submit either an EPA or USBR WaterSmart grant application. The decision on which application to submit will depend on the construction schedule, the timing of the funding need, and the release of the grant Notice of Funding Opportunity (NOFO).

- **Application Submittal:** Dependent on the timing of EPA or Reclamation NOFO release schedule and the construction timing established in Task 1.

Task 6. Funding Dashboard. The funding dashboard displays funding goals for the CTP Program identified in Task 1, including applications submitted from Tasks 2-5, new opportunities, and progress toward the goal.

- **Dashboard Completion:** Within 60 days of Notice to Proceed and 30 days after Task 1 is complete. The dashboard will be updated every other month throughout the project.

Task 7. Project Management. This task includes refining the scope and schedule, managing the project, documenting quality assurance reviews, and conducting monthly update meetings. It will run for the duration of the project.



Potential Future Tasks

The following tasks are **not** included in this scope and fee but may be desired by SOCWA. If approved by SOCWA, Hazen will consist of the following additional tasks to the funding strategy.

- **Environmental Compliance Documentation.** Hazen has a full-service environmental compliance team and can prepare the required California Environmental Quality Act (CEQA) and/or a CEQA+ document that complies with both CEQA and the National Environmental Quality Act (NEPA) at SOCWA's request.
- **Additional Grant Opportunities.** New grant opportunities not in the Funding Plan will be shared with SOCWA at monthly update meetings.

Deliverables

Hazen will deliver the following items as part of this project:

- Funding work plan that aligns with the timing of the design and construction schedule
- Draft and Final version of the USBR WaterSmart Planning Grant
- Draft and Final version of FEMA BRIC Grant, including benefit-cost analysis
- Draft and Final version of EPA or USBR WaterSmart grant application, depending on the timing of construction and release of grant NOFO.
- Funding Dashboard



Proposed Fee

The rate schedule is attached.

The total fee will not exceed \$150,000 without further authorization. We will invoice each task on a lump sum basis based on the percent complete. Estimated fees for each task are summarized in Table 1. Due to the nature of competitive grants and the agency request for information process, costs for each task may fluctuate, but Hazen will confirm any changes with SOCWA before proceeding.

**Table 1: SOCWA Funding Implementation
Estimated Fees**

Task and Description	Estimated Fee
Task 1. Funding Workplan	\$ 5,000
Task 2. Reclamation Planning & Design Grant	\$20,000
Task 3. WIFIA Application	\$30,000
Task 4. FEMA BRIC Application	\$45,000
Task 5. EPA Climate Resiliency or Reclamation WaterSmart Grant	\$30,000
Task 6. Funding Dashboard	\$10,000
Task 7. Project Management and Quality Control	\$10,000

Schedule

We will begin this project within 30 days of authorization to proceed and estimate completion within 12 months. This schedule may change depending on unexpected funding agency changes or the timing of SOCWA’s design and/or construction schedule.

Attachment A
 South Orange County Wastewater Authority
 Funding Plan Implementation

Rate Schedule: The following staff are the primary staff that will work on this project. Other staff may be used for discrete tasks on grant application. The 2023-2024 Hazen rate schedule is shown below

Hazen Staff Name	Role	2024 Rate
Dave Jones, PE	Principal	\$325
Marc Solomon, PE, BCEE	QA/QC Manager	\$325
Lisa Hulette, MBA	Project Manager	\$280
Trapa Barua, AICP	Funding Support	\$175

Hazen and Sawyer July 2023 - June 2024 Rate Schedule

Classifications	Hourly Rates
Principal-in-Charge, Vice President, Associate Vice President	\$265-360
Senior Project Manager, Senior Construction Manager, Technical Advisor, QA/QC Manager	\$240 -345
Project Manager, CAD/BIM Manager	\$185-270
Construction Manager, Resident Engineer	\$155-290
Senior Associate, Associate	\$220-315
Senior Project Engineer, Senior Principal Engineer, Senior Project Architect/Landscape Architect, Senior Land Surveyor	\$165-275
Project Engineer, Principal Engineer, Project Architect/Landscape Architect, Project Land Surveyor	\$155-215
Professional Engineer, Engineer, Land Surveyor, Architect/Landscape Architect	\$145-205
Inspector	\$150-235
Engineer-in-Training, Civil Engineering Designer	\$130-180
CAD/BIM Designer/Technician, GIS Professional	\$100-220
Engineering Assistant	\$130-180
Administrative Assistant, Project Administrator/Coordinator	\$100-170
Two-man Survey Crew (per Hour/Day)	--
Ground Penetrating Radar Utility Locating Crew (Per Hour/Day)	--

Attachment A
South Orange County Wastewater Authority
Funding Plan Implementation

Hazen and Sawyer July 2023 - June 2024 Rate Schedule

Classifications	Hourly Rates
Principal-in-Charge, Vice President, Associate Vice President	\$265-360
Senior Project Manager, Senior Construction Manager, Technical Advisor, QA/QC Manager	\$240 -345

Attachment A
 South Orange County Wastewater Authority
 Funding Plan Implementation

Project Manager, CAD/BIM Manager	\$185-270
Construction Manager, Resident Engineer	\$155-290
Senior Associate, Associate	\$220-315
Senior Project Engineer, Senior Principal Engineer, Senior Project Architect/Landscape Architect, Senior Land Surveyor	\$165-275
Project Engineer, Principal Engineer, Project Architect/Landscape Architect, Project Land Surveyor	\$155-215
Professional Engineer, Engineer, Land Surveyor, Architect/Landscape Architect	\$145-205
Inspector	\$150-235
Engineer-in-Training, Civil Engineering Designer	\$130-180
CAD/BIM Designer/Technician, GIS Professional	\$100-220
Engineering Assistant	\$130-180
Administrative Assistant, Project Administrator/Coordinator	\$100-170
Two-man Survey Crew (per Hour/Day)	--
Ground Penetrating Radar Utility Locating Crew (Per Hour/Day)	--
Reimbursable Charges	Rates
Mileage	IRS Rate
Consumable Charge	\$6/hour
Prints, Plots, Messenger Services and other direct expenses markup	Cost + 10%
Outside Consultant Services Markup	10%
Traffic Control	--
Other	Cost + 10%