

GENERAL INFORMATION PACKAGE

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------|-------------|
| I. TYPE OF ASSISTANCE REQUESTED | | | |
| Amount of Assistance Requested: \$ | | | |
| Proposed Security: <input type="checkbox"/> Wastewater revenues and fund <input type="checkbox"/> Water revenues and fund <input type="checkbox"/> Other: | | | |
| Project Type(s): <input type="checkbox"/> Wastewater <input type="checkbox"/> Water Recycling <input type="checkbox"/> Estuary <input type="checkbox"/> Nonpoint Source | | | |
| II. APPLICANT INFORMATION | | | |
| Applicant Name: | | | |
| Street Address: | City: | State: | Zip+4 Code: |
| Applicant Type: <input type="checkbox"/> Public <input type="checkbox"/> Indian Tribe <input type="checkbox"/> Nonprofit <input type="checkbox"/> Other: Specify _____ | | | |
| County: | | Charter City/County: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Mailing Address: | City: | State: | Zip+4 Code: |
| Congressional District(s): | | | |
| State Senate District(s): | | | |
| State Assembly District(s): | | | |
| Data Universal Numbering System (DUNS) No.: | | Federal Tax ID No.: | |
| Regional Water Board where the project will take place: <input type="checkbox"/> 1 (North Coast) <input type="checkbox"/> 2 (San Francisco Bay) <input type="checkbox"/> 3 (Central Coast) <input type="checkbox"/> 4 (Los Angeles) <input type="checkbox"/> 5 (Central Valley) <input type="checkbox"/> 6 (Lahontan) <input type="checkbox"/> 7 (Colorado River) <input type="checkbox"/> 8 (Santa Ana) <input type="checkbox"/> 9 (San Diego) | | | |
| Authorized Representative Name, Title: | | | |
| Phone No.: () | | Email Address: | |
| Contact Person Name: | | | |
| Phone No.: () | | Email Address: | |
| Local Counsel Name: | | | |
| Phone No.: () | | Email Address: | |
| III. PROJECT INFORMATION AND PROPOSED SCHEDULES | | | |
| Project Description: <i>(Enter a brief description of the project)</i> | | | |
| | | | |
| Project Title: | | | |
| Project Location | City: | State: | Zip+4 Code: |
| Street Address: | | | |
| NPDES Permit or WDR Order No. (if applicable): | | | |
| Current Year Estimated Population Served: | | | |

| State Use Only | |
|-----------------|--|
| CWSRF Project # | |
| Project Manager | |
| Date Received | |

| | | Estimated or Actual Date |
|-----------------------------|-------------------------------------------|--------------------------|
| Estimated Project Schedule: | Complete Construction Application | _____ |
| | 1) General Information Package | _____ |
| | 2) Technical Package | _____ |
| | 3) Environmental Package | _____ |
| | 4) Financial Security Package | _____ |
| | Complete Project Plans and Specifications | _____ |
| | Advertise Bids | _____ |
| | Issue Notice to Proceed | _____ |
| | Complete Construction | _____ |

Consultation with Other Agencies

Please list other Federal and State agencies that have been involved in this project (e.g. planning, CEQA/NEPA consultation, funding, etc.), their contact information if known, and estimated dates for resolution of any issues.

Partnering Agencies

Please list all other agencies that have an interest in this project. Provide contact information if known.

Potential CWSRF Flags Worksheet – Although not required, it is recommended that you complete and attach the [Potential CWSRF Flags Worksheet](#) to the General Information Package.

IV. ESTIMATED PROJECT CAPITAL COSTS AND FUNDING SUMMARY

| <u>Cost Classification</u> | <u>Total Project Costs</u> | <u>Other Funding</u> | <u>Requested Financing</u> |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------|----------------------------|
| A. Facilities Planning (a) | \$ _____ | \$ _____ | \$ _____ |
| B. Facilities Design (a) | \$ _____ | \$ _____ | \$ _____ |
| C. Construction Management (a) | \$ _____ | \$ _____ | \$ _____ |
| D. Value Engineering (a) | \$ _____ | \$ _____ | \$ _____ |
| E. Administration (a) | \$ _____ | \$ _____ | \$ _____ |
| F. Facilities Construction Total | \$ _____ | \$ _____ | \$ _____ |
| G. Contingency | \$ _____ | \$ _____ | \$ _____ |
| H. Pre-Purchase Material/Equipment | \$ _____ | \$ _____ | \$ _____ |
| I. Land and Right-of-Way | \$ _____ | \$ _____ | \$ _____ |
| J. Other Costs | \$ _____ | \$ _____ | \$ _____ |
| <i>Explain:</i> _____ | | | |
| K. Total Project Costs | \$ _____ | \$ _____ | \$ _____ |
| <i>(a) Soft costs may be provided for planning, design, value engineering, construction management, and administration costs.</i> | | | |
| Portion of the Total Project Costs that will serve existing facilities and/or existing communities | | | \$ _____ |
| Portion of the Total Project Costs that will serve new development | | | \$ _____ |

V. TECHNICAL SPONSORSHIP

If the Division were to set up a technical sponsorship program, would you be interested in providing in-kind technical assistance to another CWSRF applicant in exchange for special financing? Note that checking "Yes" in no way obligates you to participate in this potential program or guarantees that this incentive will be available or offered.

- Yes No

If Yes, please indicate the areas where you would be willing to provide assistance:

- Assistance in completing a funding application
- Assistance in writing a facilities plan/project report
- Assistance in developing a Capital Improvement Plan
- Assistance in conducting a water or energy audit
- Assistance in building Operations & Maintenance capacity
- Other: Specify _____

VI. SUSTAINABILITY

A project that supports or incorporates one or more of the following sustainability goals receives one priority point for each area addressed.

Label the requested documents as Attachment G1, G2, G3, etc.

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | The project supports infill development or results in the reuse or redevelopment of land in an area presently served by transit, streets, water, sewer and other essential services. G1 – Provide a map highlighting the infill or redevelopment areas. |
| <input type="checkbox"/> | The applicant maintains a Capital Improvement Plan, an Asset Management Plan, or has performed a full-cost pricing analysis, or the project incorporates climate change adaption. G2 – Provide copies or links to these plan or analysis. |
| <input type="checkbox"/> | The project protects environmental or agricultural resources such as farm, range and forest lands; wetlands and wildlife habitats; recreational lands such as parks, trails, and greenbelts; or landscapes with locally unique features or areas identified by the state as deserving special protection. G3 – Provide a map highlighting the areas that will be protected. |
| <input type="checkbox"/> | The project is cited in one or more regional environmental management plans. G4 – Provide copies or links to these plans. |
| <input type="checkbox"/> | The project incorporates wastewater or storm water/urban runoff recycling, water conservation, energy conservation, low impact development, or reduced use of other vital resources. G5 – Explain the reason for the energy savings and the expected energy savings. |
| <input type="checkbox"/> | The project uses low-impact treatment for lower lifecycle operating costs through reduced energy, chemical, or other inputs. G6 – Explain the reason(s) for the reduced operating costs. |

CERTIFICATION AND SIGNATURE OF AUTHORIZED REPRESENTATIVE

To the best of my knowledge and belief, I certify that I am authorized to submit this application; the information provided in this application is true and correct; the documentation has been duly authorized by the governing body of the applicant; and the entity possesses the legal authority to apply for the financing and enter into a financing agreement with the State Water Resources Control Board and to finance and construct the proposed facilities.

Name of Authorized Representative: _____ Title: _____

Signature of Authorized Representative: _____ Date: _____

HOW DID YOU HEAR ABOUT THE CWSRF PROGRAM?

- California Financing Coordinating Committee (CFCC) Funding Fair
- Colleague
- State Water Board Letter
- Conference/Trade Show/Workshop (Specify): _____
- Employer/Employee
- Consultant
- Internet
- Publication
- Other (Specify): _____

TECHNICAL PACKAGE

| | |
|---------------------------------|----------------------|
| Applicant (Entity) Name: | |
| Project Title: | |
| Contact Person: | Phone: () |

I. WATER RIGHTS

1. Will the Project change the point of discharge, place of use, or purpose of use of treated wastewater and decrease the flow in any portion of a watercourse?
 - NO (If NO, proceed to question 2.)
 - YES - If YES, has a Petition for Change been filed with the State Water Board, Division of Water Rights?
 - YES – Provide a copy of the Petition for Change (label as Attachment **T5a**).
 - NO – Provide the date you anticipate submitting the Petition for Change: _____

2. Will the Project divert flow from a stream or other surface water body to another location?
 - NO (If NO, proceed to question 3.)
 - YES - If YES,
 - a. Has a Petition for Change been filed with the State Water Board, Division of Water Rights?
 - YES NO N/A
 - b. Has an application for a water right been filed with the State Water Board, Division of Water Rights, or does the entity hold sufficient water rights for the project?
 - YES NO N/A

Provide copies of the Petition for Change, application for a Water Right or Change of Use approval, or Water Right permit or license, as appropriate (label as Attachment **T5b**), or
 Provide the date you anticipate submitting the petition or application:_____.

3. Is the entity a water diverter and subject to section 5103 of the Water Code? YES NO

II. WATER CONSERVATION AND URBAN WATER MANAGEMENT REQUIREMENTS

Check the following boxes that apply for your project:

WATER CONSERVATION

Non-Point or Estuary:

- The water conservation requirements are not applicable because the project is a non-point source or estuary project.

| FOR STATE USE ONLY | |
|--------------------|--|
| CWSRF Project # | |
| Project Manager | |
| Date Received | |

Water Suppliers:

- Approved Water Conservation Program on file with the State Water Board
- Water Conservation Program submitted to the State Water Board for approval (label as Attachment **T6**)
- Proof that you signed the Memorandum of Understanding regarding urban water conservation in California (label as Attachment **T7**)
- Proof that you submitted an Urban Water Management Plan per Water Code Section 10653 (label as Attachment **T8**).

Non Water Suppliers:

- Provide certification that 75% of water connections in its service area are covered by an adopted, Division-approved Water Conservation Program (label as Attachment **T10**)
- Provide a letter stating that the water supplier(s) signed the Memorandum of Understanding (label as Attachment **T7**)
- Proof that the water supplier submitted an Urban Water Management Plan per Water Code Section 10653 (label as Attachment **T8**)

Waiver:

Are you requesting a waiver of the water conservation requirements?

- YES NO

If yes, submit a letter requesting a waiver of the water conservation requirements (label as Attachment **T9**)

URBAN AND AGRICULTURAL WATER MANAGEMENT

1. Are you an urban water supplier as defined in Water Code Section 10617* or an agricultural water supplier as defined in Water Code Section 10608.12(a)**?

- YES NO

**Generally an urban water supplier means a publicly or privately owned supplier providing municipal water service either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet/year of water.*

***Generally an agricultural water supplier means a publicly or privately owned water supplier providing water to 10,000 or more irrigated acres, excluding recycled water.*

If yes, submit any documentation you have from the CA Department of Water Resources confirming you are in compliance with (a) the urban water use reduction targets described in Water Code Section 10608.24, (b) the efficient agricultural water management practices described in Water Code Section 10608.48, and/or (c) the Urban Water Management Planning Act (Water Code Section 10610) or the Agricultural Water Management Planning Act (Water Code Section 10800), as applicable to your agency (label as Attachment **T11**).

2. Provide a self-certification that you are in compliance with the water meter requirements of Water Code Section 529.5 (label as Attachment **T2b**)

III. DELTA PLAN

1. Is the project a "covered action" under section 85225 of the Water Code?

- YES NO

For items 2 and 3 below, please check "N/A" if the project is not a "covered action".

2. Have you submitted the consistency certification required by section 85225 of the Water Code?

- YES NO NA

3. Has any person appealed the consistency certification per section 85225.10 of the Water Code?

- YES NO NA

IV. ARCHITECTURAL AND ENGINEERING (A/E) PROCUREMENT

Do you follow a qualifications-based procurement process for A/E procurement (for services such as program management, construction management, feasibility studies, engineering, design, surveying, or mapping)?

YES NO

If yes, check below to indicate if your A/E procurement process complies with:

- [40 United States Code Section 1101 et seq.](#)
 [California Government Code Section 4525 et seq.](#) (as it relates to state agencies)

V. GREEN PROJECT RESERVE (GPR)

1. Is this project, or a portion of this project, eligible for the [CWSRF GPR](#)? YES NO

If no, skip to Section VI

2. Which GPR Category(ies) are applicable, and identify whether the project is categorically eligible or requires a business case to demonstrate eligibility.

| % of Total Project Cost* | Category | Categorically Eligible | Business Case Attached |
|--------------------------|----------------------------|------------------------|------------------------|
| | Green Infrastructure | | |
| | Water Efficiency | | |
| | Energy Efficiency | | |
| | Environmentally Innovative | | |
| | Total | | |

* Includes associated planning and design costs.

VI. ATTACHMENT CHECKLIST

Check the box next to each item attached to your application.

- T1 – Project Report
- T2a – General Plan Compliance Certification
- T2b – Certification for Compliance with Water Metering Form
- T2c – Certification for Fiscal Sustainability Plan
- T2d – Certification for Cost and Effectiveness and Water and Energy Conservation and Efficiency
- T3 – Climate Change Worksheet
- T4 – Regional Water Quality Control Board Requirements
 - Waste Discharge Requirements, NPDES Permit or Water Recycling Requirements
 - Amended Basin Plan or Total Maximum Daily Load
 - Enforcement Orders
 - Not Applicable – Explain: _____
- T5a – Petition for Change (if applicable)
- T5b – Petition for Change/Water Right Application, Permit or License/Change of Use Approval (if applicable)
- T6 – Water Conservation Program (if applicable)
- T7 – Memorandum of Understanding (if applicable)
- T8 – Urban Water Management Plan (if applicable)
- T9 – Waiver Request Letter (if applicable)
- T10 – Certification for Non-Water Suppliers (if applicable)
- T11 – Compliance with Urban Water Use Reduction Requirements (if applicable)

Water Recycling Funding Program Only

- T12 – Recycled Water User Assurance
- T13 – User Connection Schedule



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Coast Regional Water Quality Control Board

June 27, 2018

Rob Livick
Public Works Director/City Engineer
City of Morro Bay
Email: rlivick@morrobayca.gov

Sent via Electronic Mail only

Rick Koon
District Manager
Cayucos Sanitation District
Email: rkoon@cayucosssd.org

Dear Mr. Livick and Mr. Koon:

**TIME SCHEDULE ORDER NO. R3-2018-0019, CITY OF MORRO BAY AND CAYUCOS
SANITARY DISTRICT WASTEWATER TREATMENT PLANT, SAN LUIS OBISPO COUNTY,
WDID 3 400103001**

This letter transmits Time Schedule Order (TSO) No. R3-2018-0019 for the City of Morro Bay and Cayucos Sanitary District (Discharger) Wastewater Treatment Plant. At its public meeting on December 7, 2017, the Central Coast Regional Water Quality Control Board adopted Order No. R3-2017-0050, Waste Discharge Requirements for the City of Morro Bay and Cayucos Sanitary District Wastewater Treatment Plant in San Luis Obispo County. As part of permit development, the Discharger submitted supporting documentation that it would not be able to achieve immediately the new order's more stringent limitations for biochemical oxygen demand and total suspended solids. In a comment letter dated November 6, 2017, the Discharger provided rationale and a plan for attaining compliance.

The attached TSO provides an opportunity for the Discharger to make the necessary operational adjustments and facility upgrades to achieve compliance. In accordance with California Water Code section 13167.5, the Central Coast Water Board provided notice and a comment period of 30 days for the draft Order, and comments were due no later than April 12, 2018. If you have any questions, please contact **Katie DiSimone at (805) 542-4638** or Sheila Soderberg at (805) 549-3592 (email addresses below).

Sincerely,

for John M. Robertson
Executive Officer

DR. JEAN-PIERRE WOLFF, CHAIR | JOHN M. ROBERTSON, EXECUTIVE OFFICER

895 Aerovista Place, Suite 101, San Luis Obispo, CA 93401 | www.waterboards.ca.gov/centralcoast

Attachment: Time Schedule Order No. R3-2018-0019

cc:

Sarah Torres, PG Environmental, LLC, sarah.torres@pgenv.com
Dan Connally, PG Environmental, LLC, Dan.Connally@pgenv.com
David Smith, EPA Region IX, Smith.davidw@epa.gov
Jamie Marincola, EPA Region IX, Marincola.JamesPaul@epa.gov
Elizabeth Pozzebon, San Luis Obispo County Environmental Health, ehs@co.slo.ca.us
Jessica Jahr, State Water Board, Jessica.jahr@waterboards.ca.gov
Eileen Shields, MKN Associates, eshields@mknassociates.us
Joe Mueller, Morro Bay, jmueller@morrobayca.gov
Todd Stanley, Central Coast Water Board, todd.stanley@waterboards.ca.gov
Sheila Soderberg, Central Coast Water Board, Sheila.soderberg@waterboards.ca.gov
Katie DiSimone, Central Coast Water Board, katie.disimone@waterboards.ca.gov

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ECM#241479



City of Morro Bay
Water Reclamation Facility Project

Updated Project Description

DRAFT | December 2019





City of Morro Bay
Water Reclamation Facility Project

Updated Project Description

DRAFT | December 2019

This document is released for the purpose of information exchange review and planning only under the authority of Eric Casares, December 2019, California PE 73351.

Contents

| | |
|---------------------------------------|----|
| Section 1 | 1 |
| Project Background | 1 |
| Section 2 | 3 |
| Project Location | 3 |
| Section 3 | 9 |
| Project Description | 9 |
| 3.1 Water Reclamation Facility | 9 |
| 3.2 Conveyance Facilities | 12 |
| 3.3 Recycled Water Offsite Facilities | 16 |
| 3.4 Outfall Modifications | 16 |

Figures

| | | |
|----------|------------------------------------------|----|
| Figure 1 | Project Location | 4 |
| Figure 2 | Service Area | 5 |
| Figure 3 | WRF Site | 6 |
| Figure 4 | Conveyance Facilities Pipeline Alignment | 7 |
| Figure 5 | WRF Process Flow Diagram | 10 |
| Figure 6 | WRF Site Plan | 11 |
| Figure 7 | Typical Trench Section | 12 |
| Figure 8 | Architectural Rendering of PS-A | 14 |
| Figure 9 | Architectural Rendering of PS-B | 15 |

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Abbreviations

| | |
|----------|-------------------------------------------------|
| AFY | acre-feet per year |
| AOP | advanced oxidation process |
| AWTF | advanced water treatment facility |
| BOD | biochemical oxygen demand |
| BWRO | Brackish Water Reverse Osmosis |
| CCC | California Coastal Commission |
| Caltrans | California Department of Transportation |
| CDP | Coastal Development Permit |
| City | City of Morro Bay |
| CMC | California Men’s Colony |
| County | San Luis Obispo County |
| CSD | Cayucos Sanitary District |
| DB | design-build |
| DDW | Division of Drinking Water |
| FEMA | Federal Emergency Management Agency |
| FBV | Filanc and Black & Veatch |
| ft | feet |
| GRRP | groundwater replenishment reuse project |
| GSI | GSI Water Solutions |
| I/I | inflow and infiltration |
| IPR | indirect potable reuse |
| LAFCO | Local Agency Formation Commission |
| LCP | Local Coastal Plan |
| MBR | membrane bioreactor |
| mgd | million gallons per day |
| NPDES | National Pollutant Discharge Elimination System |
| PS | pump station |
| RFP | request for proposals |
| RO | reverse osmosis |
| ROW | right-of-way |
| RWQCB | Regional Water Quality Control Board |
| SAFE | Stormwater Adaptive Filtration Equipment |
| SWRCB | State Water Resources Control Board |
| Tri W | Tri W Enterprises, Inc. |
| TSO | time schedule order |
| TSS | total suspended solids |

| | |
|-------|--------------------------------------|
| UV | ultraviolet |
| USEPA | U.S. Environmental Protection Agency |
| WDR | Waste Discharge Requirements |
| WRF | water reclamation facility |
| WWTP | wastewater treatment plant |

Section 1

PROJECT BACKGROUND

The U.S. Environmental Protection Agency (USEPA) or the State Water Resources Control Board (SWRCB) regulates municipal wastewater discharges into the Pacific Ocean through National Pollutant Discharge Elimination System (NPDES) Permits in accordance with Section 402 of the federal Clean Water Act. USEPA or the California Regional Water Quality Control Boards (RWQCB) issue (or reissue) NPDES permits to wastewater dischargers every five years. The existing Morro Bay-Cayucos Wastewater Treatment Plant (WWTP) serves the City of Morro Bay (City) and the community of Cayucos, and is owned and operated jointly by the City and the Cayucos Sanitary District (CSD). Prior to the current 2017 NPDES Permit No. CA0047881 and Waste Discharge Requirements (WDR) Order No. R3-2017-0050, the WWTP discharged to the Pacific Ocean under NPDES Permit No. CA0047881 and WDR Order No. R3-2008-0065, which was a Clean Water Act Section 301(h) modified NPDES permit that waived full secondary treatment requirements for biochemical oxygen demand (BOD) and total suspended solids (TSS). The existing WWTP has operated under that modified permit since its last upgrade in 1984.

On July 7, 2003, the City submitted an application for renewal of NPDES permit to USEPA and Central Coast RWQCB which expired in March 2014. The final renewed discharge permit was adopted by the RWQCB on December 7, 2017. The 301(h) modifications were no longer included in the 2017 renewal. On June 27, 2018 the City received a time schedule order (TSO) from the RWQCB for compliance with full secondary treatment requirements. The TSO requires full compliance with the final effluent requirements by February 28, 2023.

Based on an agreement with the RWQCB, the City and CSD had previously pursued bringing the existing facility to full secondary treatment in place of continued requests for a 301(h) modified discharge permit. The agreement allowed the City and CSD to pursue secondary treatment on a schedule that was mutually agreed upon by both agencies and the RWQCB. In February 2015, the RWQCB stated the new facility was expected to be fully operational by 2021 in order to meet its goals.

The existing WWTP is located in the Coastal Zone. Consequently, when an effort was made to upgrade the existing WWTP at its existing location, a Coastal Development Permit (CDP) was required from the California Coastal Commission (CCC). In January 2013, the CCC denied the City and CSD's project application for the CDP to demolish the existing WWTP and construct a new treatment facility on the same site. The basis for that denial included the CCC's assessment the new facilities would be inconsistent with the City's Local Coastal Plan (LCP) zoning provisions, failed to avoid coastal hazards, failed to include a sizeable reclaimed water component, and that the project location was within an LCP-designated sensitive view area.

Following this denial, the City began planning and pursuing alternative locations for a new upgraded WWTP. From 2013 to the beginning of 2014, the community defined goals to guide the planning and design process for the new WRF. Public outreach was conducted through

stakeholder meetings, stakeholder interviews, and public workshops which gathered input related to cost, environmental concerns, engineering and design issues, site-related issues, and logistics and process issues. Through that public outreach program, criteria were determined for the siting process, and various studies were conducted to examine the suitability of each site. Some of the criteria included, but were not limited to, compliance with NPDES Permit requirements, distance to the City sewer collection system, avoidance of coastal hazards, minimal visual impacts, and sustainable use of public resources.

Five comparative siting studies were performed between 2013 and 2017. Starting with the results of the Rough Screening Evaluation, 17 study sites were first examined for the potential location of the WRF. By December 2013, it was narrowed down to seven study sites: Chevron, Morro Valley, Chorro Valley, California Men's Colony (CMC) WWTP site, Power plant – southern portion, Panorama, and Giannini). Finally, the City Council narrowed the sites down to focus on the Morro Valley, Chorro Valley, and Giannini Property in May 2014. Within those three general areas, there were four specific locations: Rancho Colina and Righetti (both in the Morro Valley), Tri-W (now called the "South Bay Boulevard" site in Chorro Valley), and Giannini. It should be noted there was also a feasibility analysis performed for a regional facility at the CMC site that could serve the needs of the City and partner agencies. However, this alternative was concluded not to be feasible.

In April 2015, the CSD decided to pursue an independent path from the City to build its own new wastewater facility, and unilaterally adopted a resolution to that effect on April 30, 2015. From that point forward, the City's efforts have been focused on finding a suitable site to build a WRF to serve only its customers, exclusive of CSD customers. Thus, current plans are for the City and CSD to build separate treatment facilities and, once both treatment facilities are operational, decommission the jointly-owned WWTP.

In April 2016, after City Council direction to investigate other potential sites, the list of potential sites was revised to include Rancho Colina, Righetti, Tri-W, Chevron/Toro Creek, and Madonna. After the 2016 comparative study was completed, the Tri-W site, which became known as the South Bay Boulevard site, was found to be the final site preference, and preliminary planning efforts began at that location based on City Council direction at that time.

The City realized that relocation of the WWTP presented an opportunity to design and construct a project that would not only meet the minimum wastewater discharge requirements, but also provide recycled water for the community. Recycled water, in addition to other project objectives, are reflected in the goals for the WRF project adopted by the City Council in 2016:

Produce tertiary, disinfected water in accordance with Title 22 requirements for unrestricted urban irrigation in a cost-effective manner for all ratepayers

Design to be able to produce reclaimed wastewater for potential users, which could include public and private landscape areas, agriculture, or groundwater recharge. A master water reclamation plan should include a construction schedule and a plan for bringing on recycled water customers in a cost-effective manner.

- Allow for onsite composting.
- Design for energy recovery.
- Design to treat contaminants of emerging concern in the future.

- Design to allow for other possible municipal functions (i.e., City Corporation Yard on site, as well as other uses such as a public park and education center).
- Ensure compatibility with neighboring land uses.
- Have a new WRF operational within five years.

In order to assess potential recycled water opportunities, the City completed the Draft Master Water Reclamation Plan (MKN, 2017). The Draft Master Water Reclamation Plan evaluated several different recycled water options including agricultural irrigation and exchange, urban reuse, indirect potable reuse (IPR), streamflow augmentation, and creation of a seawater intrusion barrier. As a result of the evaluation, the study identified IPR as the recommended recycled water alternative. While the cost for agricultural exchange and IPR are similar, IPR presents the greatest water supply benefit for the City.

Section 2

PROJECT LOCATION

The City is a small seaside town with strong historical roots in the fishing industry located along the central coast of California in San Luis Obispo County (County). The City was incorporated in 1964 and is a thriving destination for visitors, offering natural beauty, outdoor recreation, a working waterfront, a creative community, and a welcoming atmosphere. The City is located at the crossroads of Highway 1 and Highway 41, approximately 12 miles north of the city of San Luis Obispo, and approximately six (6) miles south of the City of Cayucos as shown in Figure 1.

The City covers roughly five (5) square miles, and consists of varied topography ranging from steep mountain terrain to ocean basin. The service area for the City is shown in Figure 2.

Portions of the proposed project are located within the City limits, while the remainder is within an unincorporated area of the County. The proposed Water Reclamation Facility (WRF) site is located in an unincorporated portion of the County adjacent to the City, while the remaining proposed infrastructure is located in the City itself. The WRF would be constructed on an approximately 10- to 15-acre area within a 396-acre parcel that is located along Highway 1, north of the northern terminus of South Bay Boulevard as shown in Figure 3.

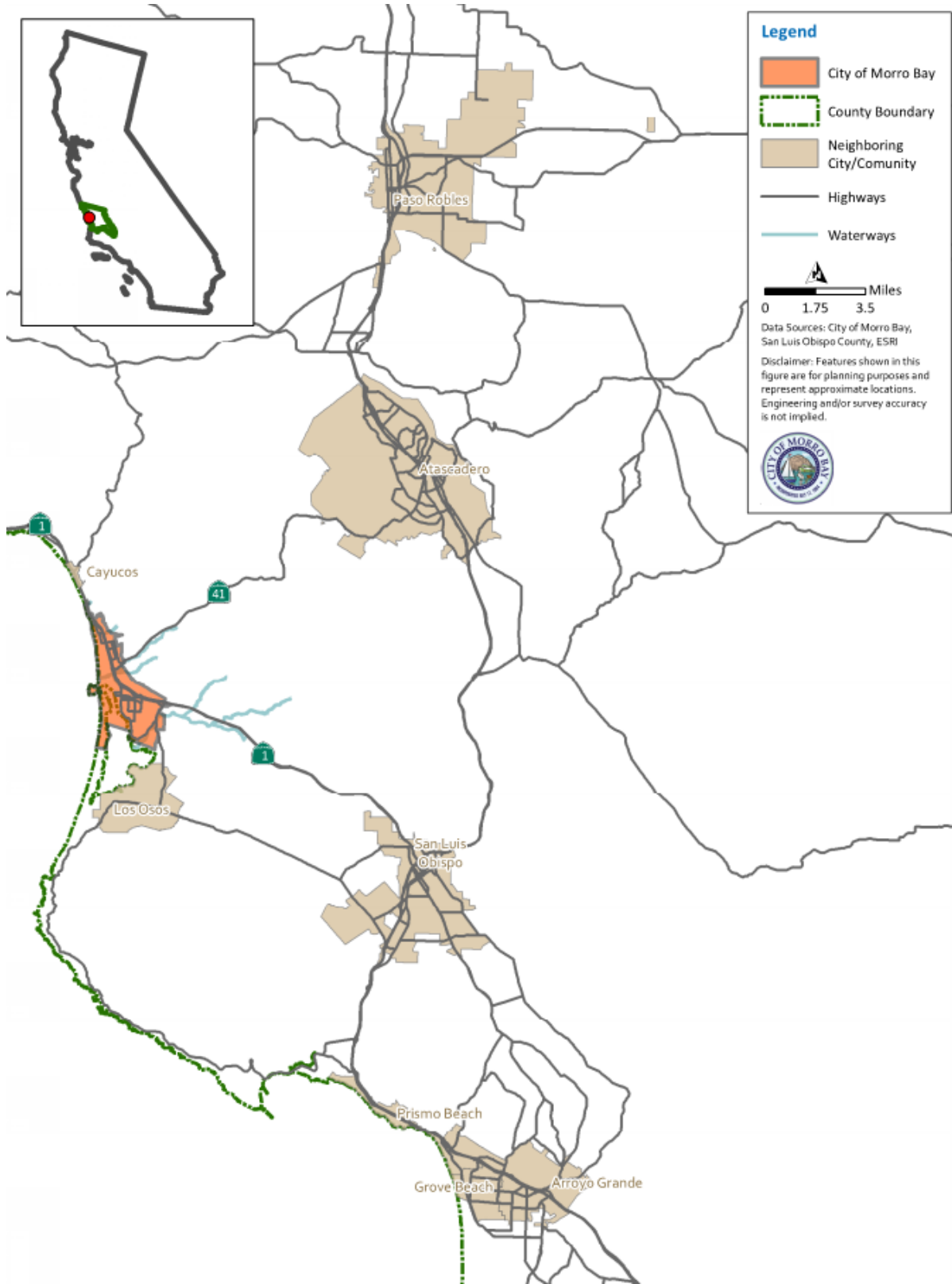


Figure 1 Project Location

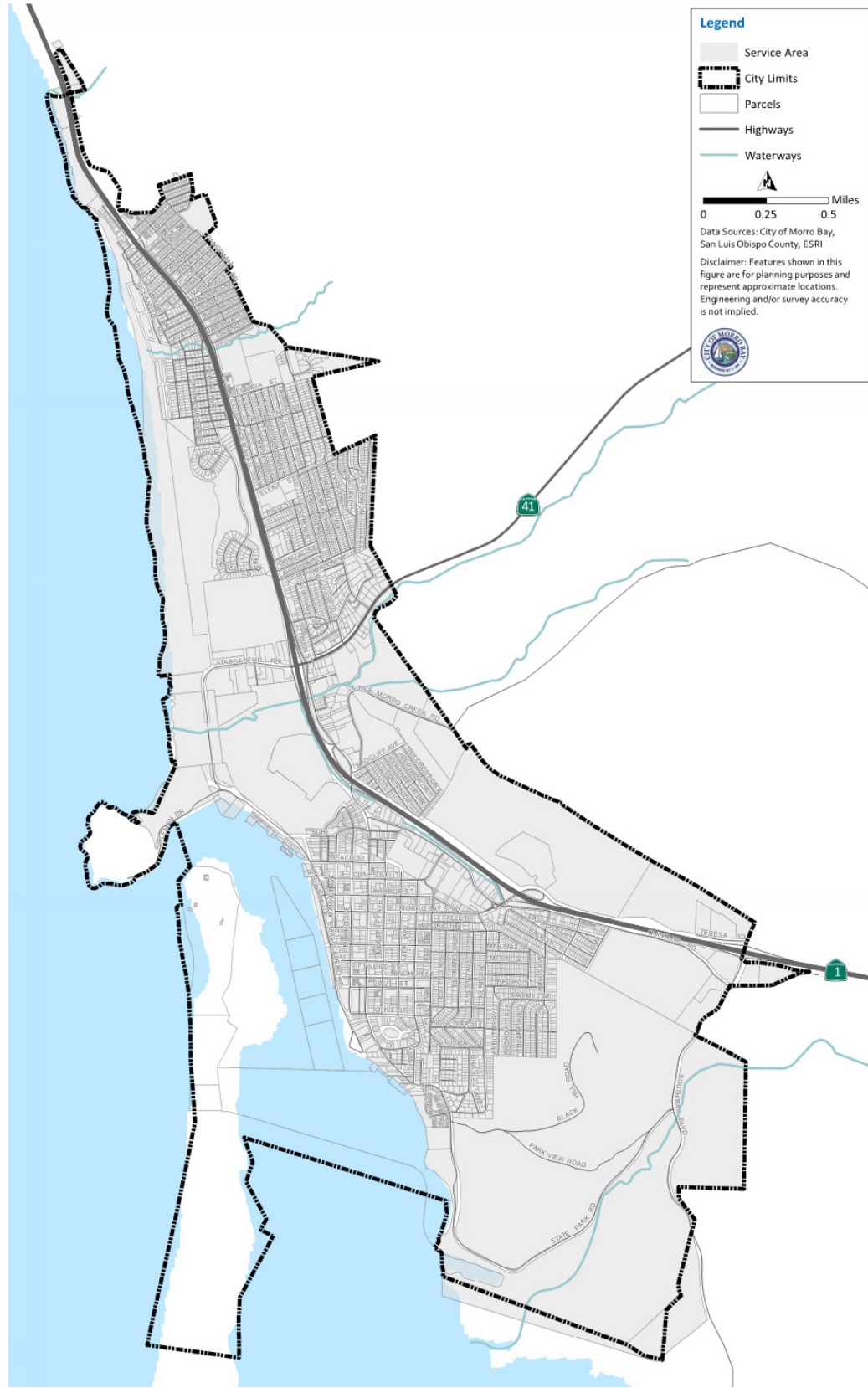


Figure 2 Service Area

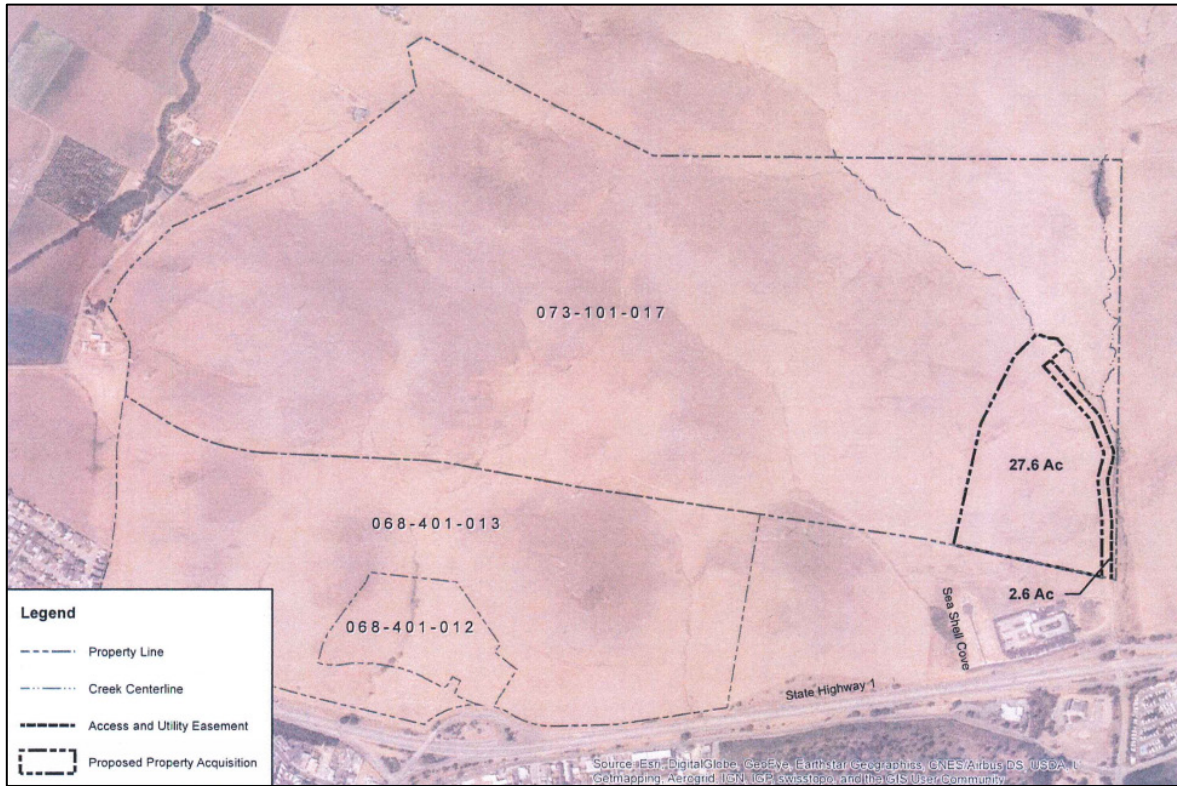


Figure 3 WRF Site

The City is currently in the process of purchasing the property and will be making application to the Local Agency Formation Commission (LAFCO) for annexation of the 27.7-acre parcel that will be purchased and inclusion of the remainder parcel in the City's sphere of influence. The site, located near the intersection of Teresa Road and Highway 1, is shown in Figure 3. The sphere of influence request was stipulated in the terms of a memorandum of understanding between the City and Tri W Enterprises, Inc. (Tri W) in October 2016. The existing WWTP that will be decommissioned is located at 160 Atascadero Road in the City. The collection system modifications include two lift stations: one adjacent to the existing WWTP and one located at the corner of Highway 1 and Main Street on a City-owned parcel. In addition to the two lift stations, multiple pipelines running along an alignment between the existing WWTP and WRF site are also included as shown in Figure 4.

The alignment shown in Figure 4 includes: two forcemain pipelines to convey raw wastewater from the existing WWTP to the WRF site, a waste discharge pipeline to convey brine or peak wet weather flows to the ocean outfall, and a treated water forcemain pipeline to convey purified water to one of two groundwater injection locations.



Figure 4 Conveyance Facilities Pipeline Alignment

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Section 3

PROJECT DESCRIPTION

The proposed project would include new wastewater treatment facilities at the WRF site that would allow the City to meet the SWRCB requirements and timeline for upgrading to at least full secondary treatment, and would exceed this minimal requirement through development of an advanced water treatment facility (AWTF). Implementation of the proposed project would allow for the decommissioning of the existing WWTP, once CSD's new and independent wastewater facility is completed and operational. During operation, advanced treated recycled water produced at the WRF would be used for IPR via groundwater injection. Brine produced by the treatment process will be discharged through the existing ocean outfall.

3.1 Water Reclamation Facility

The WRF would provide a minimum of tertiary treatment to dry weather wastewater flows generated within the City's service area, and the majority of this flow would be further treated for IPR standards for a groundwater replenishment reuse project (GRRP) using subsurface application. The WRF will be sized to treat a maximum average annual daily flow rate of 0.97 million gallons per day (mgd) and a peak wet weather flow of 8.14 mgd. The facility design includes preliminary (influent screening and grit removal) and biological and tertiary treatment via a membrane bioreactor (MBR). Advanced treatment includes reverse osmosis (RO) and ultraviolet (UV) disinfection with an advanced oxidation process (AOP). Residuals from the biological and tertiary processes will be mechanically dewatered and disposed of off-site.

The City is proceeding with a design-build (DB) procurement process for the WRF. One reason for the City's decision to pursue DB is to allow for innovation by the DB teams proposing on the project. The City experiences high peak flows during wet weather events due to inflow and infiltration (I/I) throughout the collection system. While OneWater Morro Bay, the City's comprehensive infrastructure planning study completed in 2018, has established improvements to the City's collection system to reduce I/I, the new WRF must be designed to treat current peak wet weather flows. The original concept proposed in the DB request for proposals (RFP) included the construction of a large concrete basin to equalize raw wastewater flows. The selected team, a joint venture between Filanc and Black & Veatch (FBV), proposed the use of an auxiliary treatment system for wet weather flows (Stormwater Adaptive Filtration Equipment [SAFE System]). This approach will allow the City to meet the treatment requirements in WDR Order No. R3-2017-0050, eliminates raw wastewater equalization, and significantly reduces the cost of the WRF project. During wet weather, instantaneous flows in excess of 1.88 mgd will be diverted through a 10-micron filter and combined with the treated effluent from the MBR. This combination of the MBR and SAFE System will comply with numerical effluent limitations and criteria that are fully protective of the receiving water body. The SAFE System also has the added benefit of stabilizing the operation of the MBR and ensuring effectiveness of the biological treatment process.

A process flow diagram for the WRF is provided in Figure 5. A site plan for the WRF is included in Figure 6.

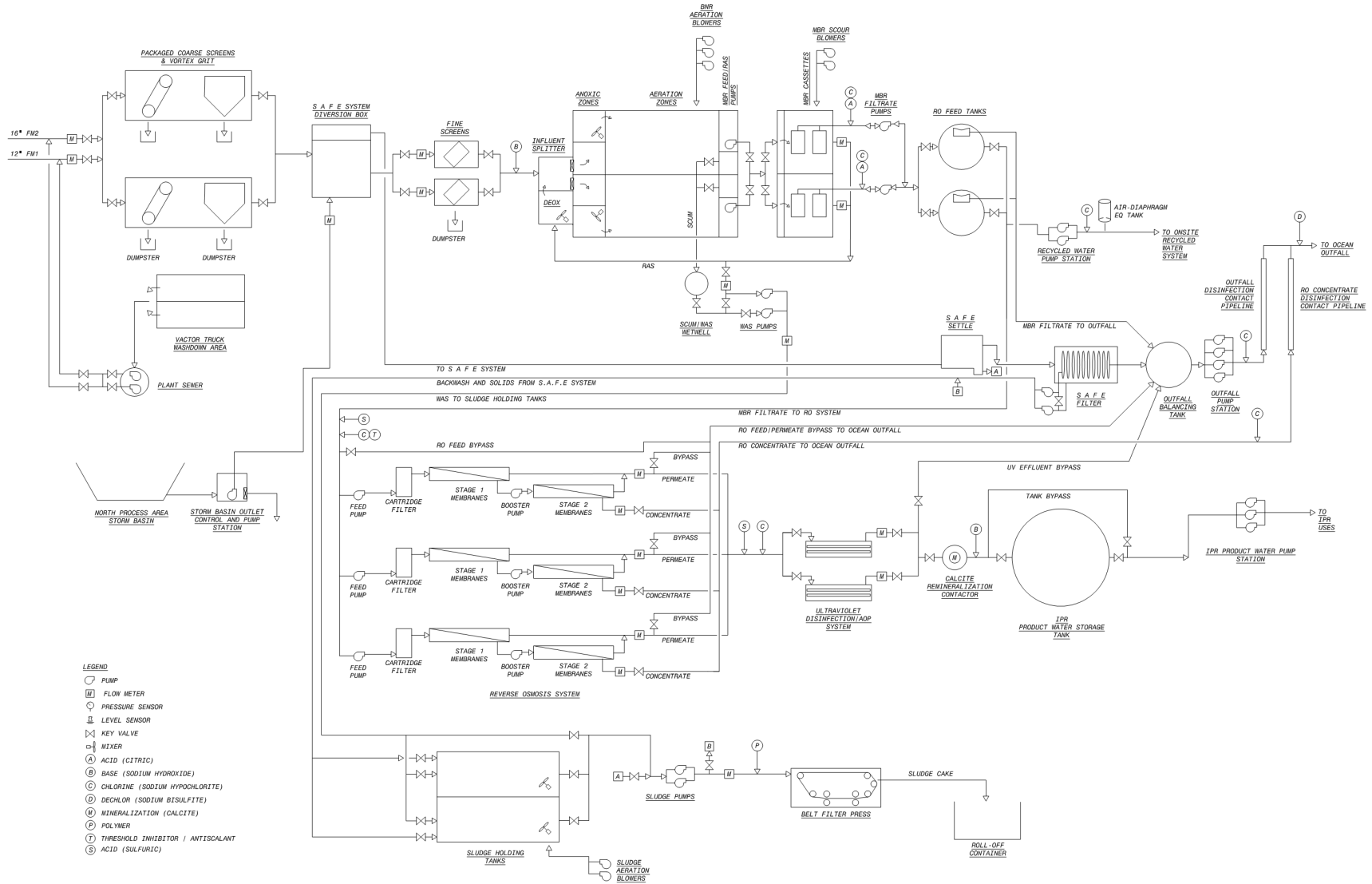


Figure 5 WRF Process Flow Diagram

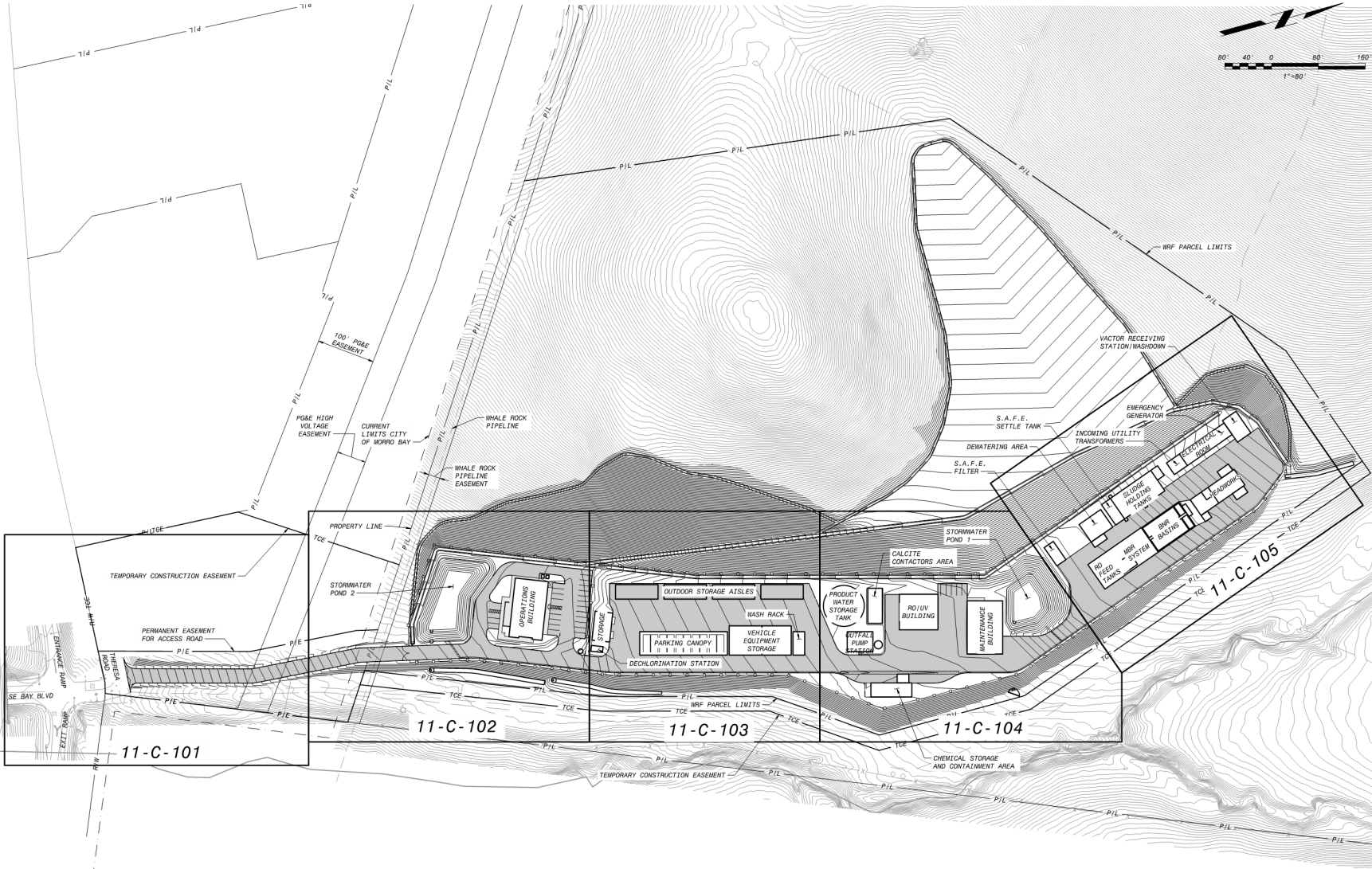


Figure 6 WRF Site Plan

3.2 Conveyance Facilities

The offsite conveyance pipelines are comprised of two new forcemains to convey raw wastewater from the existing collection system and proposed lift stations to the WRF site, a recycled water pipeline to convey treated water from the WRF to injection wells, and a waste discharge pipeline to convey brine or treated wet weather flows to the ocean outfall. Brine and treated wet weather flows will be compliant with the California Ocean Plan discharge requirements. The recommended pipeline route is approximately 3.6 miles and travels east along Atascadero Road and south in California Department of Transportation (Caltrans) right-of-way (ROW) around Lila Keiser Park before following an existing parkway/bike path across Morro Creek. It continues southeast along the Main Street ROW until it joins and follows Quintana Road. Continuing in a southeast direction on Quintana Road, the pipelines pass through street crossings of Kennedy Way, Morro Bay Boulevard then Kings Avenue, Bella Vista Drive, and La Loma Avenue to South Bay Boulevard. The proposed alignment then runs north on South Bay Boulevard, crosses under Highway 1 at the interchange overpass and continues north towards the proposed WRF site.

The 12-inch and 16-inch wastewater forcemain pipelines and 16-inch brine waste pipeline will be contained in a common trench. Due to requirements for separation by the Division of Drinking Water (DDW), the 8-inch potable reuse forcemain pipeline will be contained in a separate, adjacent trench. The trench section is shown in Figure 7.

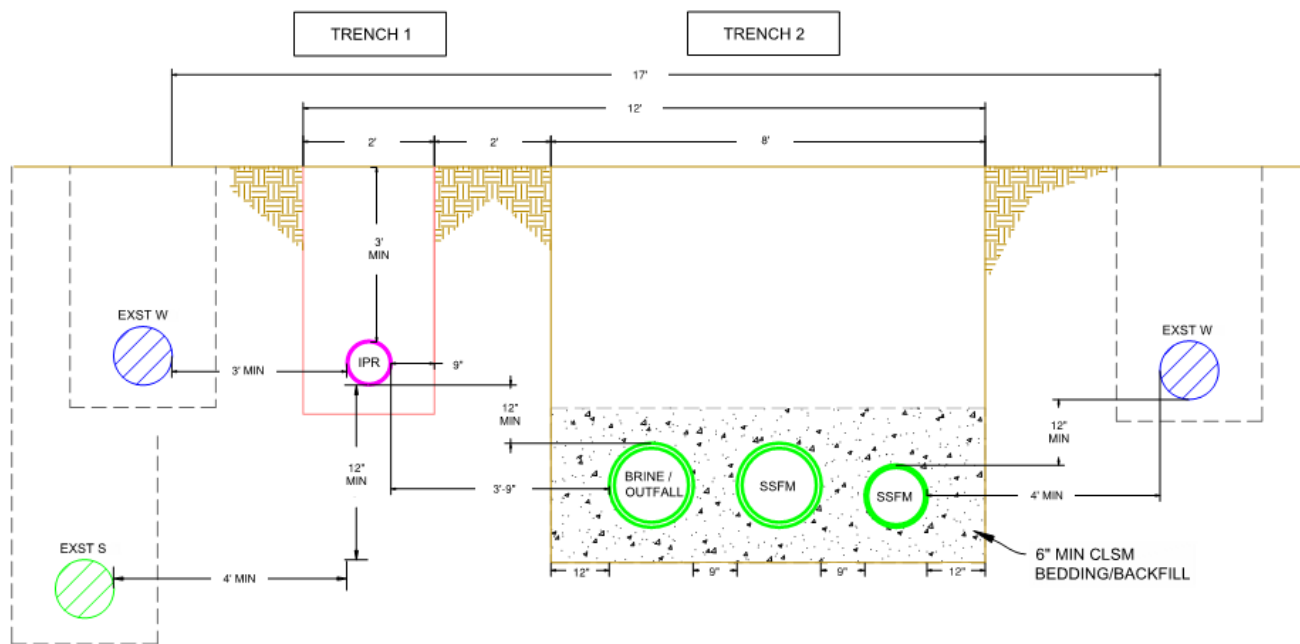


Figure 7 Typical Trench Section

In order to minimize new infrastructure that must be located near the existing WWTP site in a coastal hazard area subject to flooding and sea level rise, the City will use two pump stations to convey raw wastewater to the new WRF site. One reason for the City's relocation of the WRF is a directive by the CCC to remove critical infrastructure from coastal hazard and sensitive view areas. While the City cannot remove all of the WRF infrastructure from the coastal hazard area,

use of a secondary pump station reduces the footprint of the pump station that must be located near the existing WWTP (referred to as PS-A) and significantly minimizes the amount of raw wastewater that must pass through this pump station. The PS-A site is within the 100-year floodplain per the current Flood Insurance Rate Map per the Federal Emergency Management Agency (FEMA). To protect critical equipment, structures and equipment at PS-A will be set at a minimum of two feet (ft) above the 100-year flood elevation. Mitigation measures to protect the fill used to raise the site from washout and erosion under flood conditions will also be implemented. There is a potential for tsunami inundation or flooding of the lift station sites according to the ASCE Tsunami Hazard Tool. However, neither pump station falls within the tsunami design zone. To further protect the pump stations, an emergency generator will be provided that will power the entire pump station in the event of a power outage.

The new pump station PS-A will be located on City-owned land near the existing WWTP and will have a design capacity of 5.81 mgd. A rendering of PS-A is shown in Figure 8. The new pump station PS-B will be located near the corner of Main Street and Highway 1 and will have a design capacity of 7.98 mgd. A rendering of PS-B is shown in Figure 9. The PS-B site is located on City-owned property that has previously been developed.



Figure 8 Architectural Rendering of PS-A



Figure 9 Architectural Rendering of PS-B

3.3 Recycled Water Offsite Facilities

One of the ultimate goals of the proposed project is to enhance the City's water supply portfolio. The proposed end use for recycled water produced at the WRF is IPR, which would involve groundwater replenishment in the Morro Valley using subsurface application via injection wells. The City has previously completed the Lower Morro Valley Basin Screening-Level Groundwater Modeling for Injection Feasibility (GSI, 2017), which presented a preliminary evaluation of injection and extraction strategies. The findings from the study indicate that the City could inject approximately 800 acre-feet per year (AFY) of purified water, which would offset approximately 80 percent of the City's potable water demand.

A recycled water distribution system will be built to convey water to one of two injection well areas (as identified in Figure 4). These components will include a finished water storage tank and pump station (located at the WRF site), injection wells, and monitoring wells.

The wells would be located within proposed wellfield areas either at the Narrows, which is the area east of the City near Highway 41 where Morro Creek and Little Morro Creek converge (IPR-East), or an area west of Highway 1 near the bike path (IPR-West) (see Figure 5). Wells would be located on vacant lands owned by the City or within ROWW, and sited to avoid environmentally sensitive habitat and riparian/wetlands areas. The injection well casing would be below ground with some above ground surface piping to connect the wells to the distribution systems. The injection wells would have some valves, a flow meter, and a small control panel with an antenna housed in a small shed or a weatherproof electrical enclosure. The injection well sites would be enclosed with fencing and have relatively small footprints of approximately 200 square ft. Each injection well may have up to two associated monitoring wells, one upgradient and one downgradient of the injection well. If the injection wells are located in close proximity, then it is possible fewer monitoring wells will be required. The monitoring wells will consist of an underground well casing and a lockable well cap. No permanent electrical or mechanical equipment would be associated. Regular access would be required to perform the required groundwater monitoring.

A blend of the injected water and groundwater would be extracted from the existing City wells to be treated at the City's Brackish Water Reverse Osmosis (BWRO) treatment facility at the existing desalination plant adjacent to the existing WWTP (160 Atascadero Road) then distributed for potable use. That end use will require use of the City's existing storage, distribution, pumping, turnouts, and delivery facilities.

It is anticipated that the City will only utilize one injection location (either IPR-East or IPR-West). The City is currently performing additional hydrogeological work with the goal of identifying the preferred injection location.

3.4 Outfall Modifications

The existing ocean outfall has been operating for nearly 40 years. During this time, significant quantities of sediment have accumulated in the outfall. The proposed modifications to the outfall include cleaning and installation of new valves on 28 of the outfall's 34 diffusers. Outfall cleaning will consist of conducting an initial inspection to collect sediment samples to characterize the material and confirm the quantity of sediment in order to determine an appropriate method for removal. Based on information from the Morro Bay Outfall Inspection (Ballard Diving & Salvage, 2011), approximately 30 cubic yards of sediment will need to be

removed from the outfall. Removing sediment will be accomplished by flushing/pumping water through the outfall and into the diffuser section, removing the diffusers, and extracting the sediment through the existing diffuser ports.

The existing outfall includes a 170-foot diffuser section with a total of 34 diffusers. The existing diffusers consist of a 6-inch flanged steel pipe section welded to the main 27-inch diameter outfall pipe. Connected to the steel section is a Schedule 80 PVC short flanged section, 6-inch long radius 45-degree elbow, and 6-inch by 2-inch concentric reducer. To remove the sediment, the elbow and reducer will be removed and sediment will be pumped out of the diffuser ports into a barge. The sediment will be dried and then hauled to a landfill for disposal.

There is currently no way to keep sediment from entering the outfall through the diffuser ports. In order to keep sediment out of the outfall and maintain flow capacity, following cleaning the elbows will be reinstalled and the concentric reducers will be replaced with a new elastomeric duckbill-style check valve.

ENVIRONMENTAL PACKAGE

| | |
|---------------------------------|-----------------------|
| Applicant (Entity) Name: | |
| Project Title: | |
| Contact Person: | Phone: () |

I. CEQA STATUS

Please check the **one** box that describes the project in this application.

The CEQA process has not yet started for this project
 The CEQA process is underway for this project*
 The CEQA process is complete for this project **(complete Question 2 below)**
 The CEQA process was completed for this project more than 5 years prior to anticipated State Water Board agreement execution date** **(complete Question 2 below)**

** A draft of the CEQA document shall be provided to the Division for review and comment. Also provide to the Division copies of any substantiating federal cross-cutter information (i.e., USFWS species list/biological assessment, cultural resources report, air quality analysis data, flood map, etc.). This will enable the Division to better understand the environmental impacts, and provide more meaningful comments on the draft CEQA document before it is sent to the State Clearinghouse.*

*** If the CEQA document was prepared more than five years prior to the anticipated assistance agreement execution date, please provide an updated CEQA document (subsequent, supplemental or addendum) that evaluates the current environmental status of the project.*

II. CEQA DOCUMENTS* (Complete this section only if the CEQA process has been completed for this project)**

Please check all box(es) that describe this application and submit the required attachments for the applicable section(s).

Project is covered under a CEQA Categorical or Statutory Exemption **(complete Section A below and attach documents)**
 Project is covered under a Negative Declaration **(complete Section B below and attach documents)**
 Project is covered under a Mitigated Negative Declaration **(complete Section C below and attach documents)**
 Project is covered under an Environmental Impact Report **(complete Section D below and attach documents)**

**** If a Joint CEQA/NEPA document (EIR/Environmental Assessment or EIR/Environmental Impact Statement) is prepared for the project, submit the applicable Record of Decision and/or Finding of No Significant Impact.*

| Required Attachments | Section A | Section B | Section C | Section D |
|----------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| E1- EVALUATION FORM FOR ENVIRONMENTAL REVIEW AND FEDERAL COORDINATION | | | | |
| E2- DRAFT AND FINAL INITIAL STUDY/NEGATIVE DECLARATION (IS/ND) | | | | |
| E3- DRAFT AND FINAL INITIAL STUDY/MITIGATED NEGATIVE DECLARATION (IS/MND) | | | | |
| E4- DRAFT AND FINAL ENVIRONMENTAL MPACT REPORT (EIR) | | | | |
| E5- COMMENTS AND RESPONSES | | | | |
| E6- STATEMENT OF OVERRIDING CONSIDERATION (If Applicable) | | | | |
| E7- MITIGATION MONITORING AND REPORTING PLAN/PROGRAM (MMRP) | | | | |
| E8- RESOLUTION APPROVING THE CEQA DOCUMENTS | | | | |
| E9- NOTICE OF EXEMPTION | | | | |
| E10- NOTICE OF DETERMINATION | | | | |

| FOR STATE USE ONLY | |
|--------------------|--|
| CWSRF Project # | |
| Project Manager | |
| Date Received | |

E1 – ENVIRONMENTAL REVIEW AND FEDERAL COORDINATION ATTACHMENTS

Check the box next to each item to indicate which supporting attachments you have provided with your application. The supporting documents must be provided unless it is not applicable.

- E1.1 – **Clean Air Act**
 - Air quality modeling data
 - Complete air emissions chart (see Evaluation Form below)
 - General conformity and/or air quality studies, *as applicable*
- E1.2 – **Coastal Barriers Resources Act**
 - Consultation record for CBRA resources in the vicinity of the project area with the USFWS, *if applicable*
- E1.3 – **Coastal Zone Management Act**
 - Copy of coastal zone permit or coastal exemption, *if applicable*
- E1.4 – **Endangered Species Act**
 - Up-to-date (less than one year old) USFWS, CDFW Natural Diversity Database, and CNPS species lists
 - Project-level biological resources and habitat evaluation including field survey and species lists review
 - Record of federal consultation and correspondence, *if applicable*
- E1.5 – **Environmental Justice**
 - Consultation record for the affected areas with the USEPA Office of Enforcement and Compliance Assurance, *if applicable*
- E1.6 – **Farmland Protection Policy Act**
 - Assessment of the conversion of prime/unique farmland and farmland of statewide/local importance to non-agricultural uses, *if applicable*
 - Assessment of Williamson Act lands converted and/or affected, *if applicable*
 - Consultation with USDA and correspondence, *if applicable*
- E1.7 – **Flood Plain Management**
 - FEMA flood mapping of the project area, *if applicable*
 - Assessment of flood hazard and drainage pattern alteration, *if applicable*
- E1.8 – **National Historical Preservation Act**
 - Cultural Resources Report (with less than one year old record search, extending to a half-mile beyond the project APE) on historic properties consistent with the National Historic Preservation Act requirements
- E1.9 – **Magnuson-Stevens Fishery Conservation and Management Act**
 - Essential Fish Habitat Assessment (EFH Assessment) for the State Water Board's consultation with the NOAA National Marine Fisheries Service, *if applicable*
 - Please see regulation E1.4 above for EFH Assessment requirements
- E1.10 – **Migratory Bird Treaty Act**
 - List of migratory birds including avoidance measures, *if applicable*
- E1.11 – **Protection of Wetlands**
 - Copy of 401 Certification from the Regional Water Quality Control Board, *if applicable*
 - Copy of 404 permit from the USACE, *if applicable*
 - Wetland delineation and survey assessment, *if applicable*
- E1.12 – **Safe Drinking Water Act, Sole Source Aquifer Protection**
 - Consultation record with the USEPA Region 9 Ground Water Office, *if applicable*
- E1.13 – **Wild and Scenic Rivers Act**
 - Consultation record with the USDA Forest Service Region 5 Office, *if applicable*

Evaluation Form for Environmental Review and Federal Coordination

Applicant Name: _____

Project Title: _____

1. Clean Air Act:

Air Basin Name: _____

Local Air District for Project Area: _____

Is the project subject to a State Implementation Plan (SIP) conformity determination?

No - The project is in an attainment or unclassified area for all federal criteria pollutants.

Yes - The project is in a nonattainment area or attainment area subject to maintenance plans for a federal criteria pollutant. Include information to indicate the nonattainment designation (e.g. moderate, serious, severe, or extreme), if applicable. If estimated emissions (below) are above the federal *de minimis* levels, but the project is sized to meet only the needs of current population projections that are used in the approved SIP for air quality, then quantitatively indicate how the proposed capacity increase was calculated using population projections.

• **The Lead Agency shall provide the estimated project construction and operational air emissions (in tons per year) in the chart below, and attach supporting calculations, regardless of attainment status.**

• **Also, attach any air quality studies that have been done for the project.**

| Pollutant | Federal Status (Attainment, Nonattainment, Maintenance, or Unclassified) | Nonattainment Rates (i.e., moderate, serious, severe, or extreme) | Threshold of Significance for Project Air Basin (if applicable) | Construction Emissions (Tons/Year) | Operation Emissions (Tons/Year) |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------|------------------------------------|
| Ozone (O ₃) | | | | | |
| Carbon Monoxide (CO) | | | | | |
| Oxides of Nitrogen (NO _x) | | | | | |
| Reactive Organic Gases (ROG) | | | | | |
| Volatile Organic Compounds (VOC) | | | | | |
| Lead (Pb) | | | | | |
| Particulate Matter less than 2.5 microns in diameter (PM _{2.5}) | | | | | |
| Particulate Matter less than 10 microns in diameter (PM ₁₀) | | | | | |
| Sulfur Dioxide (SO ₂) | | | | | |

2. Coastal Barriers Resources Act:

Will the project impact or be located within or near the Coastal Barrier Resources System or its adjacent wetlands, marshes, estuaries, inlets, and near-shore waters? Note that since there is currently no Coastal Barrier Resources System in California, projects located in California are not expected to impact the Coastal Barrier Resources System in other states. If there is a special circumstance in which the project may impact a Coastal Barrier Resource System, indicate your reasoning below.

No - The project will not affect or be located within or near the Coastal Barrier Resources System or its adjacent wetlands, marshes, estuaries, inlets, and near-shore waters, explain:

Yes - Describe the project location with respect to the Coastal Barrier Resources System, and the status of any consultation with the appropriate Coastal Zone management agency and the United States Fish and Wildlife Service:

3. Coastal Zone Management Act:

Is any portion of the project site located within the coastal zone?

No - The project is not within the coastal zone, explain:

Yes - Describe the project location with respect to coastal areas and the status of the coastal zone permit, and provide a copy of the coastal zone permit or coastal exemption:

4. Endangered Species Act (ESA):

Does the project involve any direct effects from construction activities, or indirect effects such as growth inducement that may affect federally listed threatened or endangered species or their critical habitat that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area?

• Required documents: Attach project-level biological surveys, evaluations analyzing the project's direct and indirect effects on special-status species, and an up-to-date species list (less than one year old from the United States Fish and Wildlife Service, the California Natural Diversity Database and the California Native Plant Society) for the project area.

No - Discuss why the project will not affect any federally listed special status species:

Yes - Provide information on federally listed species that could potentially be affected by this project and any proposed avoidance and compensation measures so that the State Water Board can initiate informal/formal consultation with the applicable federally designated agency. Explain any previous ESA consultations /coordination conducted with the National Marine Fisheries Service or US Fish and Wildlife Service for the project:

5. Environmental Justice:

Does the project involve an activity that is likely to be of particular interest to or have particular impact upon minority, low-income, or indigenous populations, or tribes?

No - Selecting "No" means that this action is not likely to be of any particular interest to or have an effect on these populations or tribes, explain:

Yes - If you answer yes, please check at least one of the boxes and provide a brief explanation below:

- The project is likely to affect the health of these populations.
- The project is likely to affect the environmental conditions of these populations.
- The project is likely to present an opportunity to address an existing disproportionate impact of these populations.
- The project is likely to result in the collection of information or data that could be used to assess potential impacts on the health or environmental conditions of these populations.
- The project is likely to affect the availability of information to these populations.
- Other reasons (please describe):

Briefly explain the answer:

6. Farmland Protection Policy Act:

Is any portion of the project located on important farmland?

No - The project will not affect protected farmland. Explain:

Yes - Include information on the acreage that would be converted from important farmland to other uses. Indicate if any portion of the project boundaries is under a Williamson Act Contract and specify the amount of acreage affected:

7. Flood Plain Management:

Is any portion of the project located within a 100-year floodplain as depicted on a floodplain map or otherwise designated by the Federal Emergency Management Agency?

• Required documents: Attach a floodplain map.

No - Provide a description of the project location with respect to streams and potential floodplains:

Yes - Describe the floodplain, and include a floodplains/wetlands assessment. Describe any measures and/or project design modifications that would minimize or avoid flood damage by the project:

8. National Historic Preservation Act:

Identify the area of potential effects (APE) with both cartographic and textual descriptions, including construction, staging areas, and depth of any excavation. (Note: the APE is three dimensional and includes all areas that may be affected by the project, including the surface area and extending below ground to the depth of any project excavations).

• **Required documents:** Attach a copy of a Cultural Resources Report prepared by a qualified professional that includes a current records search (less than one year old, extending to a half-mile beyond the project APE), with maps showing all sites and surveys drawn in relation to the project area, records of Native American consultation, and a consultation letter for the State Water Board to use for consultation with the State Historic Preservation Officer.

Summarize the information provided below:

9. Magnuson-Stevens Fishery Conservation and Management Act:

Does the project involve any direct effects from construction activities, or indirect effects such as growth inducement that may adversely affect essential fish habitat?

No - Discuss why the project will not affect essential fish habitat:

Yes - Provide information on essential fish habitat that could potentially be affected by this project and any proposed avoidance and compensation measures. Explain any previous consultations/coordination conducted with the National Marine Fisheries Service for the project:

10. Migratory Bird Treaty Act:

Will the project affect protected migratory birds that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area?

No - Provide an explanation below.

Yes - Discuss the impacts (such as noise and vibration impacts, modification of habitat) to migratory birds that may be directly or indirectly affected by the project and mitigation measures to reduce or eliminate these impacts. Include a list of all migratory birds that could occur where the project is located:

11. Protection of Wetlands:

Does any portion of the project boundaries contain areas that should be evaluated for wetland delineation or require a permit from the United States Army Corps of Engineers?

No - Provide the basis for such a determination:

Yes - Describe the affect to wetlands, potential wetland areas, and other surface waters, and the avoidance, minimization, and mitigation measures to reduce such impacts. Provide the status of the permit and information on permit requirements:

12. Safe Drinking Water Act, Sole Source Aquifer Protection:

Is the project located in an area designated by the United States Environmental Protection Agency, Region 9, as a Sole Source Aquifer?

No - The project is not within the boundaries of a sole source aquifer.

Yes - Identify the sole source aquifer (e.g., Santa Margarita Aquifer, Scott's Valley, the Fresno County Aquifer, the Campo/Cottonwood Creek Aquifer or the Ocotillo-Coyote Wells Aquifer) that will be affected:

13. Wild and Scenic Rivers Act:

Identify watershed where the project is located: _____

Is any portion of the project located within a wild and scenic river?

• Required documents: Attach a map if any portion of the project is located within a wild and scenic river watershed.

No - The project will not affect a wild and scenic river. Explain:

Yes - Identify the wild and scenic river watershed and project location relative to the affected wild and scenic river:

FINANCIAL SECURITY PACKAGE

| | |
|---------------------------------|----------------------|
| Applicant (Entity) Name: | |
| Project Title: | |
| Contact Person: | Phone: () |

1. Amount of Assistance Requested: \$

2. Term Requested: 20-Year 30-Year

3. Other Project Funding Sources

| Name and Type of Funding Sources | Amount | Applied | Approved | Received |
|----------------------------------|--------|--------------------------|--------------------------|--------------------------|
| | \$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | \$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | \$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

4. Current Year Median Household Income: \$

| | |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 5a. Current Year Estimated Population Served: | 5b. Check box if less than 50% of residences are permanently occupied <input type="checkbox"/> |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

6. Active Service Connections Not Applicable

| Connection Type | Number of Connections | Current Monthly Service Charge | Projected Monthly Service Charge at Project Completion | Average Monthly Billing (Last 12 months) |
|-----------------|-----------------------|--------------------------------|--------------------------------------------------------|------------------------------------------|
| Residential | | \$ | \$ | \$ |
| Commercial | | \$ | \$ | \$ |
| Industrial | | \$ | \$ | \$ |
| Other | | \$ | \$ | \$ |
| TOTAL | | \$ | \$ | \$ |

Rate increase effective date for projected monthly service charges:

| | |
|-----------------------------------------------------------------------------------------------------------------------|----|
| 7. Projected Annual Operations and Maintenance Costs, Including amortized replacement costs (upon completion): | \$ |
|-----------------------------------------------------------------------------------------------------------------------|----|

8. Discussion of Material Events, Material Obligation Conditions, and Any Debt Limit

Identify any current prior material events such as bankruptcy, defaults, litigation, grand jury findings, unscheduled draws on reserve funds, substitution of insurers or their failure to perform, unscheduled draws on credit enhancements, actions taken in anticipation of filing Chapter 9, rating changes, relevant conditions in material obligations, and any local debt limit.

| State Use Only | |
|-----------------|--|
| CWSRF Project # | |
| Project Manager | |
| Date Received | |

ATTACHMENTS (Check the box next to each item attached to your application.)

- F1 – AUDITED FINANCIAL STATEMENTS (3 years)**
- F2 – BUDGETS OR PROJECTIONS (2 years)**
- F3 – TAX QUESTIONNAIRE**
- F4 – REIMBURSEMENT RESOLUTION**
- F5 – AUTHORIZING RESOLUTION**
- F6 – RATE ADOPTION RESOLUTION**
- F7 – PLEDGED REVENUES AND FUND(S) RESOLUTION**
- F8 – RELATED DEBT OR NO DEBT LETTER (see Application Information & Instructions)**
- F9 – DEBT MANAGEMENT POLICY (if applicable)**
- F10 – NEW SPECIAL TAX, ASSESSMENT DISTRICT, OR SERVICE CHARGE PROJECTIONS (if applicable)**
- F11 – RELEVANT SERVICE, MANAGEMENT, OPERATING, OR JOINT POWERS AGREEMENTS (if applicable)**
- F12 – FUTURE CAPITAL NEEDS (if applicable)**