

Water Reclamation Facility Project



**City of Morro Bay
Water Reclamation Facility Project
Onsite Improvements
Pre-SOQ Meeting
November 7, 2017**

Introductions



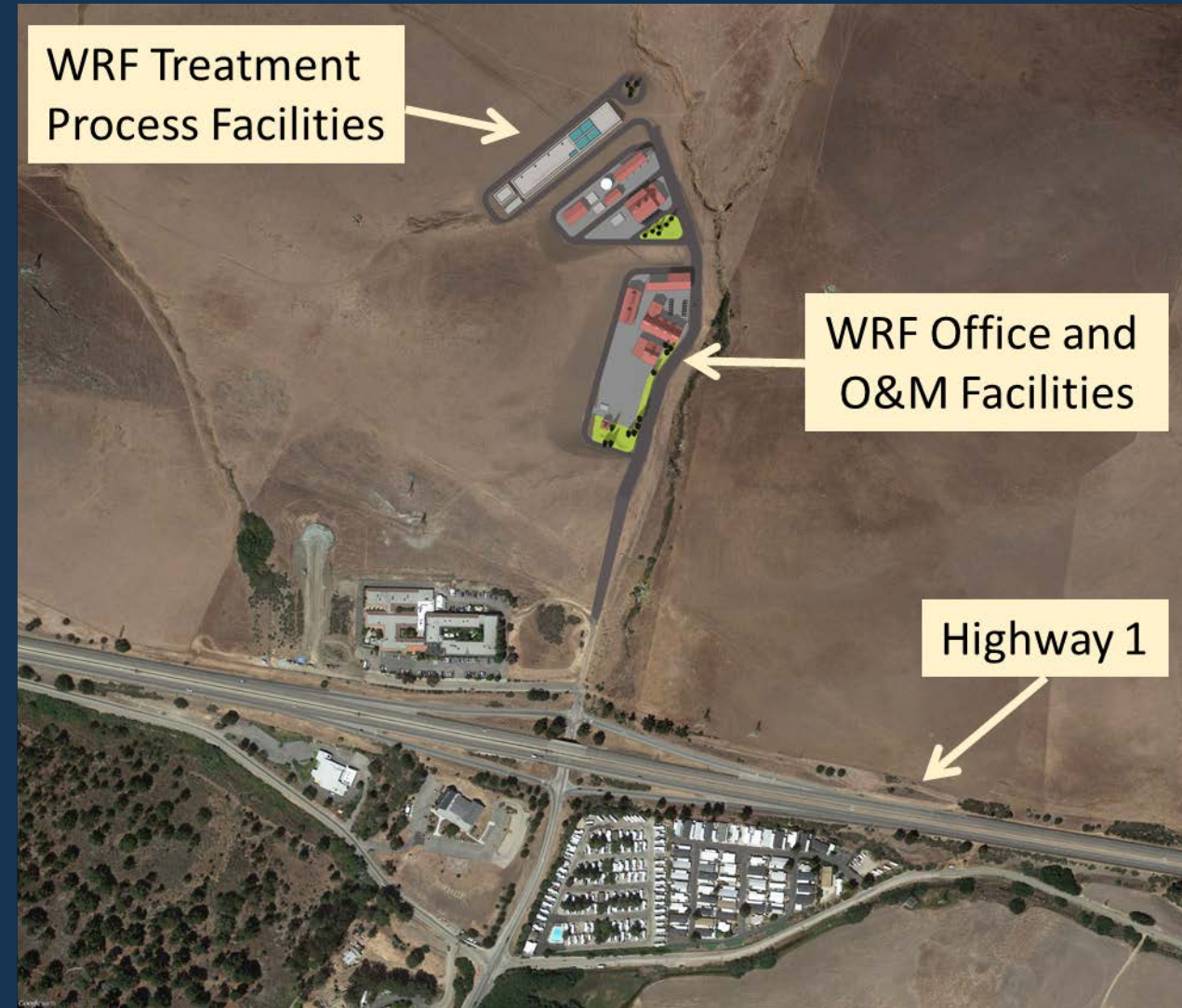
Existing WWTP

- WWTP is 62-Years Old
- Permit - expiring 301H waiver
- Discharges 1M gal/day of water into ocean
- Within 100-yr floodplain
- Situated in tsunami inundation zone
- Visible from PCH
- Contributes to upstream flooding
- Adjacent to:
 - High School
 - City Park
 - Coastal Campground
 - City Beach



New WRF

- Draft Facility Master Plan completed Nov 2016
- Draft Master Water Reclamation Plan completed March 2017
- Planned Tertiary Treatment Facility with Advanced Treatment for IPR
- ~800 af/year of reusable water



WRF Project Overview

- Onsite Improvements (Opinion \$89M)
 - New Water Reclamation Facility
 - Water/Wastewater Operations Center
 - Contract will also include
 - Demolition of existing WWTP
 - 6 month verification
- Offsite Improvements (separate contracts)
 - Raw Wastewater Pumping System and Pipelines
 - Brine Discharge to Existing Ocean Outfall
 - Recycled Water Pipelines to Injection Wells
 - Injection Wells



Design Requirements/Considerations



- Project funding – Pursuing SRF Construction Loan, WIFIA Loan, and Bureau of Reclamation Grant
- Production requirements: ~800 af/year of reusable water
- Secondary and tertiary treatment, such as Membrane Bioreactor, or equivalent technologies approved for Title 22 reuse
- Advanced treatment facilities consisting of the following treatment systems:
 - Microfiltration / Ultrafiltration
 - Reverse Osmosis
 - Ultraviolet Advanced Oxidation
- Treated effluent pump station and recycled water storage
- Space planning for solar power facilities

Roles & Responsibilities – DB Entity

- DB Entity will be the single point of responsibility for WRF Onsite Improvements
- Design will be performed in compliance with City's certified EIR
- Procurement of all labor, materials, & equipment
- Product water quality & quantity
- Construction including equipment installation
- Start-Up, commissioning & performance testing
- On-site improvements
- Building permits (from City, assuming annexation) and Authority to Construct permits from Air Pollution Control District
- Meet requirements of all project funding sources (WIFIA, SRF, etc.)

Roles & Responsibilities – City



- Funding
- Project management and coordination with offsite facilities
- Collection system improvements (lift station and force main)
- Property acquisition
- Raw water quality & quantity
- Permitting related to entitlements for proposed facilities, in addition to regulatory permitting
- Certified EIR
- 3rd Party Quality Assurance
- Public outreach

RFQ Requirements



- Design-Build Team Profile
- Relevant Past Experience and Reference Projects
- Financial Qualifications
- Safety Record
- Surety Letter of Intent
- Safety Program Worksheet and Certification
- SOQ Standard Questionnaire (from DIR Model Questionnaire)

Deliverables: 10 Copies + Flash Drive with pdf file

RFQ Requirements



- Obligation to keep project team intact
- Skilled/trained workforce commitment
- Examination of requirements
- Precluded firms and individuals (Program Management Support team)
- All SOQs become property of City

Evaluation Criteria



Criterion	Possible Score
Financial Capability	20
Qualifications of Key Staff	30
Past Performance on Similar Projects By Proposer. Identify from your past projects' innovative technologies and functional features that in your opinion are most applicable to the proposed Morro Bay project	30
Final Cost Comparison to Guaranteed Maximum Price and/or Indicative Price (from Reference Projects)	20
Total	100

Procurement Schedule – 2 Stage Process



- RFQ Released – October 27, 2017
- Mandatory Pre-SOQ Meeting – November 7, 2017
- RFQ Questions Deadline – November 10, 2017
- Responses Posted – November 15, 2017
- SOQs Due – 2:00 PM December 7, 2017
- Notice of Shortlist – January 15, 2018
- RFP Release – January 24, 2018
- Proposals Due (with GMP) – April 24, 2018
- Proposal Review & Interviews – April 24 - June 2018

Final Contract Negotiations

- Negotiations – June - July 2018
- Award – August 2018

Key Concerns In Selection

- Innovation
- Economic Value
 - Capital Cost
 - Lifecycle Cost
- Schedule
- Financial
- History of success
- Commitment to staffing
- Commitment to collaboration and partnering with City and other team members

Reference Documents



- Final Updated WRF Site Report, MKN & Associates, September 21, 2017
- Screen-Level Groundwater Modeling for Injection Feasibility, GSI Water Solutions, May 16, 2017
- Draft Master Water Reclamation Plan, MKN & Associates, March 2017 (Water Recycling Study)
- Draft Water Reclamation Facility Master Plan, Black & Veatch, November 2016
- Effluent Disposal Feasibility Alternatives Study of the Morro Valley, GSI Water Solutions, August 2016
- Draft Order No. R3-2017-0050, NPDES No. CA0074881
- Notice of Preparation of an Environmental Impact Report, August 5, 2016

Communication & Document Control



- All communications through Rob Livick
- Questions will be submitted via email at rlivick@morrobayca.gov. Responses posted for all respondents
- Background documents are posted on the Morro Bay WRF website: <http://morrobaywrf.com/>

Q & A



Thank You for Your Participation

Project website: morrobaywrf.com