

Regional Water Reuse System Master Plan Update

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Board of Public Utilities

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Today's Presentation

- Project Background
- Project Goals
- Project Components
- Project Schedule
- Project Cost Evaluation
- Selection Process
- Next Steps
- Recommendation



Regional Water Reuse System Master Plan Update 2025

City of Santa Rosa



Project Background

The Water Reuse System is comprised of:

- 57-year-old 21.3 MGD Laguna Treatment Plant
- 120 Wet Ton Per Day Biosolids System
- Title 22 Water Reclamation System
- 22-year-old Geysers Recharge System
- All Systems – Seeing Wear and Tear Need Updates



Project Background

Why Update the 2018 RWRSMP?

- Improve and protect public and environmental health
- Reduce operational and business risk in the Regional System
- Improve regulatory performance
- The RWRS (LTP, Geysers, Reclamation and Biosolids) is aging and seeing signs of wear and tear



Project Background

- Needs and priorities are changing
- Need a strategic plan to balance reliability, performance, and economic goals
- Need to integrate a multitude of Reports, Plans, Studies, Permits, Increasing Regulation



Project Goals

- Incorporate Previous Studies, Including Water Supply Alternatives Analysis
- Identify System Reliability Improvements, including opportunities for regional solutions
- Provide Condition Assessment Recommendations
- Develop Maintenance and Replacement Schedule
- Develop a Prioritized Capital Improvement Projects Plan
- Develop a Long-Term Infrastructure Improvement Roadmap

Project Components



Project Schedule

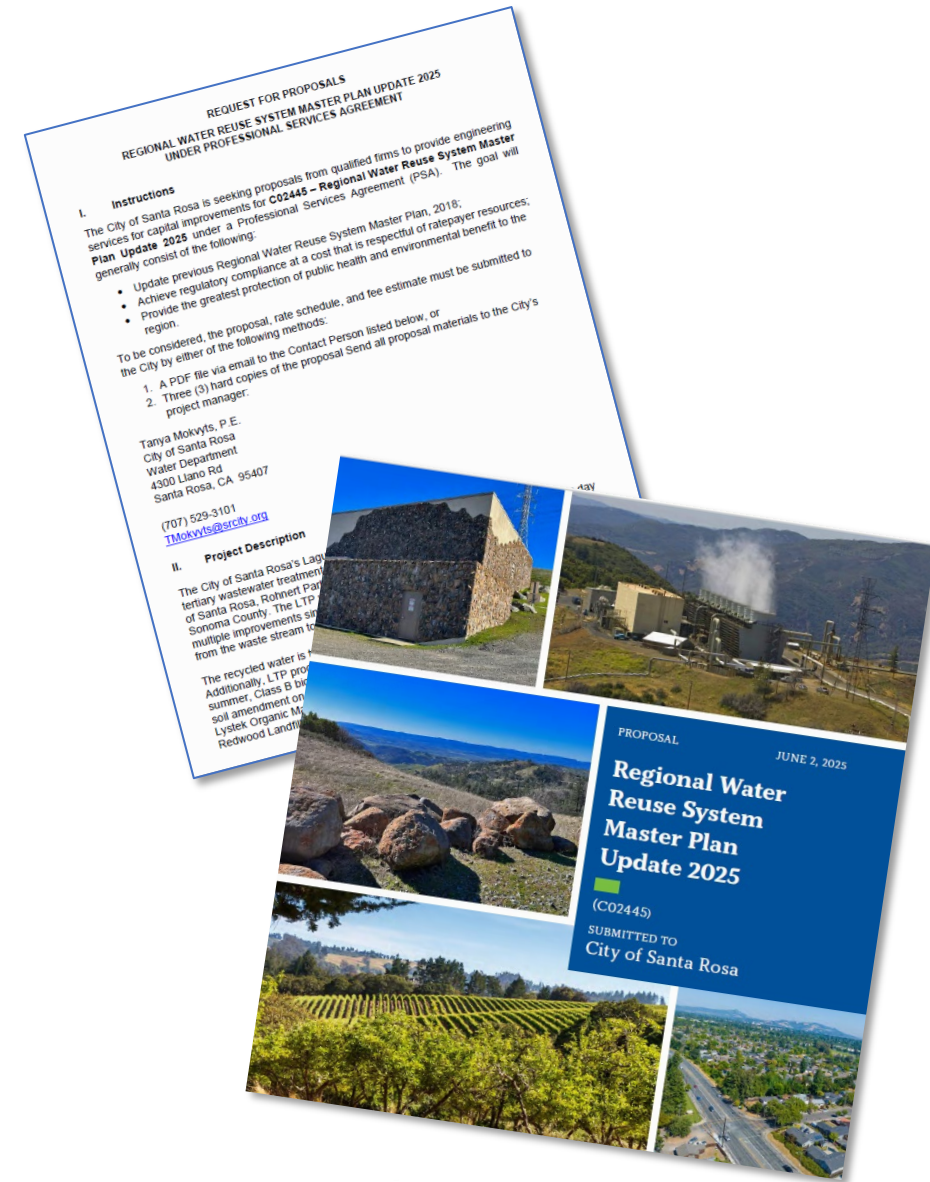
		Month											
Task	Task Description	1	2	3	4	5	6	7	8	9	10	11	12
1	Project Management and Administration												
2	Staff Interviews and Data Collection												
3	System Capacity Analysis												
4	Condition Assessments												
5	Risk Assessment												
6	Risk Mitigation and Improvements												
7	Capital Improvement Projects Program												
8	Master Plan Report Development												

Project Cost Evaluation

Project Description	Project Cost
City of Santa Rosa Regional Water Reuse System Master Plan	\$1.3M
LGVSD Wastewater Master Plan	\$1.2M
Delta Diablo Wastewater Treatment Plant Master Plan	\$1.5M
Vallejo Sanitation and Flood Control District Wastewater Master Plan	\$1M
Union Sanitary District Wastewater Master Plan	\$1.5M
City of San Diego's Integrated Master Plan	\$5.1M
City of Baton Rouge North WWTP Master Plan	\$4.9M

Selection Process

- Request for Proposals under Professional Services Agreement issued on April 10, 2025
- Five hundred twenty-two (522) firms notified
- Extended deadline from May 2, 2025 to June 2, 2025
- One proposal from CDM Smith Consultants received on June 2, 2025



Selection Process

Review Panel

- Deputy Director Regional Water Reuse
- Treatment Plant Superintendent
- Water Reuse Engineer

Proposal Evaluation Basis

- Responsiveness
- Qualification
- Project understanding
- Previous Experience

Fee Estimate

Reviewed, refined, and determined reasonable for the proposed scope of work



Next Steps

- If PSA approved, complete Master Plan update within 12 month

Recommendation

It is recommended by the Contract Review Subcommittee and Santa Rosa Water that the Board of Public Utilities, by motion, approve a Professional Services Agreement (PSA) with CDM Smith Consultants Inc. to provide professional engineering services for the update to the 2018 RWRS Master Plan in the amount not to exceed \$1,348,313.00.

Questions