



DATE: August 5, 2024

TO: Honorable Mayor and Members of the City Council through City Manager

FROM: Paige Bullock, Assistant Engineer I, Public Works & Utilities
Dan Herrera, P.E. – Deputy Director of Operations, Public Works & Utilities
Gina Benedetti-Petnic, P.E. – Interim Director of Public Works & Utilities

SUBJECT: Resolution Authorizing Award of Contract for the Water Transmission Pipeline
Impressed Cathodic System Upgrade Project (C67502435) to EXARO
Technologies Corporation

RECOMMENDATION

It is recommended that the City Council adopt the attached Resolution Authorizing Award of Contract for the Water Transmission Pipeline Impressed Cathodic System Upgrade Project (C67502435) to EXARO Technologies Corporation.

BACKGROUND

After a thorough review of the City's aging water main infrastructure, staff have identified a critical section that needs attention. The existing cathodic protection system for the water transmission pipeline under the Petaluma River has failed. This water main section primarily consists of aging, 34-year-old steel pipes. To mitigate future catastrophic failures and to lower maintenance costs, the project will provide the pipes with cathodic protection to prevent corrosion and, therefore, ensure the integrity of the City's distribution system. Cathodic protection is necessary for the protection of steel pipes installed in corrosive and saturated soils to make sure the steel pipes do not corrode, rust, and fail. Such protection is expected to last anywhere between 30-40 years. This work is estimated to take 30 days to complete and will have little to no impact on residents.

The project will install a new cathodic protection system for this transmission pipeline to ensure its safety and security for years to come. Construction will involve drilling a deep anode bed and installing all necessary wires, conduits, terminals, and electrical panels.

DISCUSSION

City staff prepared design documents and specifications for the project as well as issued a Notice Inviting Bids on May 30, 2024. On June 20, 2024, one bid was received as follows:

Name of Bidder	Bid Total
*EXARO Technologies Corporation	\$162,200.00
Engineer's Estimate	\$150,000.00

* Lowest Responsible Bidder

The lowest responsible bidder, EXARO Technologies Corporation, has over 34 years of experience, performing work similar in nature to the Water Transmission Pipeline Impressed Cathodic System Upgrade. EXARO Technologies Corporation has performed similar scale projects for other public agencies, including the City of San Francisco, Alameda County Water District, and the Metropolitan Water District of Southern California. Staff verified that the Contractor possesses a valid Class A (General Engineering Contractor) California Contractor's License, license number 860376, which expires on June 30, 2025, that qualifies the Contractor to perform the work.

Construction is scheduled to begin in the summer of 2024. During construction, traffic will be subject to delays and lane closures; however, ingress and egress will be maintained to any businesses impacted during said construction. Construction management and inspection services will be conducted by City staff. When and where required, special inspection support (such as compaction testing) will be performed by on-call consultants.

PUBLIC OUTREACH

This agenda item appeared on the City's tentative agenda document on July 15, 2024, which was a publicly noticed meeting.

Public outreach regarding the project's construction will include notification to all stakeholders within the project area prior to construction, Property Owner/Tenant/Utility Customer mail-out update letters, social media notifications including Facebook and Nextdoor, and frequent updates to the City's website for project information.

COUNCIL GOAL ALIGNMENT

The proposed action supports the following Council Goals and workplan Items:

- Preserve and Protect Petaluma's Environment with Smart and Efficient Use of Resources
- #55. Make the City's water distribution system more resilient by repairing and replacing leaking water pipes and implementing the Water/Sewer Master Plan.
- Provide City Infrastructure that is Safe, Sustainable, Multi-Use, and Efficient, Inspiring Civic Pride

CLIMATE ACTION/SUSTAINABILITY EFFORTS

This proposed action supports the above goals and protects and upgrades the existing water transmission main. This construction will also help to ensure the integrity of the City’s water distribution system and help mitigate potential environmental/contamination associated with system failures and leaks. The maintenance of the City’s water distribution system is vital to reducing water loss, which increases water conservation and ensures the City is maximizing the benefits of the water system. This project also increases the reliability of the water system.

ENVIRONMENTAL REVIEW

The Project is categorically exempt pursuant to the California Environmental Quality Act (CEQA) and Title 14, the California Code of Regulations (“CEQA” Guidelines”), Section 15302, because it consists of replacing and reconstructing existing systems and/or facilities involving negligible or no expansion of capacity.

FINANCIAL IMPACTS

The following shows an updated project budget breakdown within the approved FY 2024-25 CIP budget for the Water Transmission Pipeline Impressed Cathodic System Upgrade Project (C67502435):

Uses	Approved FY 24/25 Project Budget	Updated Project Budget Breakdown
Design/Planning/ Environmental	-	\$1,300.00
Administration/Legal	-	\$1,000.00
Construction Contract	\$ 150,000.00	\$162,200.00
Construction Management	\$ 20,000.00	\$10,000.00
Contingency	\$ 30,000.00	\$25,500.00
CIP Overhead	\$ 5,000.00	\$ 5,000.00
TOTAL	\$ 205,000.00	\$ 205,000.00

Funding Sources	Approved FY 24/25 Project Budget
Water Capital	\$ 205,000.00

ALTERNATIVES

If the Council does not authorize this resolution, the larger transmission pipeline system will continue to be compromised, which can cause large water loss and environmental impacts. Not

installing a new cathodic protection system for this transmission pipeline will decrease the reliability and service of the water distribution system. Without cathodic protection, the pipelines will continue to deteriorate, be susceptible to breaks and leaks, and likely increase future maintenance costs for the City.

ATTACHMENTS

1. Resolution