



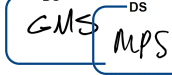
City of Tacoma

Resolution No.:

Meeting Date: January 9, 2024

**Contract and Award Letter
Purchase Resolution —Exhibit "A"**

TO: Board of Contracts and Awards

FROM: Michael P. Slevin III, P.E., Director, Environmental Services 
Max Drathman, P.E., Senior Engineering Project Manager, Science and Engineering

COPY: City Council, City Manager, City Clerk, EIC Coordinator, LEAP Coordinator, and Dawn DeJarlais, Finance/Purchasing

SUBJECT: Central Wastewater Treatment Plant Outfall Cathodic Protection Improvements Project
Request For Bids Specification No. ES23-0244F, Contract No. CW2262579 –
January 9, 2024 City Council

DATE: December 18, 2023

RECOMMENDATION SUMMARY:

The Environmental Services (ES) Department recommends a contract be awarded to MESA Products, Inc., Tulsa, OK, in the amount of \$745,229.00, plus a 20 percent contingency, for a projected contract amount of \$894,274.80, plus applicable taxes, budgeted from the ES Wastewater Fund 4300, for construction of the Central Wastewater Treatment Plant (CTP) Outfall Cathodic Protection Improvements project.

STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Assure outstanding stewardship of the natural and built environment.

This work supports a safe city with healthy residents and assures outstanding stewardship of the natural and built environment through replacement of the cathodic protection system that prevents corrosion from damaging the steel components of the 60-inch diameter outfall pipeline conveying all treated wastewater effluent from the CTP to Commencement Bay. These improvements will extend the serviceable life of the pipeline and greatly reduce the risk of wastewater treatment interruption and overflow into the Puget Sound or surrounding area.

BACKGROUND:

The CTP outfall pipeline was constructed in 1987 and carries all treated wastewater effluent from the CTP to Commencement Bay. This vital pipeline is the only means of conveying and discharging a majority of Tacoma’s treated wastewater effluent, and it has the capacity to carry up to 139 million gallons per day during peak weather events. The outfall piping material is primarily prestressed concrete cylinder piping (PCCP). PCCP consists of a steel pipe that is encased by reinforced concrete. To protect the pipeline’s steel components from corrosion and extend its service life, it is connected to an impressed current anode cathodic protection system. The system includes four rectifier stations consisting of deep-well anodes and electrical equipment that provide protective current along the entire length of the 15,000-linear foot pipeline. Additionally, the pipeline is housed inside steel casings under railroad crossings that were installed during its original construction. These casing are protected by separate, local cathodic protection systems independent of the pipeline’s system.



ISSUE: The anodes and rectifier equipment at the four rectifier stations and for the steel casings are no longer functioning. These anodes and equipment require replacement to continue protecting the pipeline and casings. This project will replace the diminished materials and equipment protecting the pipeline and casings from corrosion and will extend the service life of this essential infrastructure.

ALTERNATIVES: The only alternative for the CTP Outfall Cathodic Protection Improvement project is taking no action and accepting the risk of the steel portions of the pipeline corroding and accelerating the replacement of the 15,000-linear foot pipeline. Replacing this pipeline would be an incredibly expensive undertaking that would severely impact the CTP’s treatment operations and disrupt portions of the Port of Tacoma during construction.

COMPETITIVE SOLICITATION:

Request For Bids Specification No. ES23-0244F was opened December 5, 2023. One hundred and thirteen companies were invited to bid in addition to normal advertising of the project. One submittal was received.

MESA Products, Inc. submitted a bid that resulted in the lowest evaluated submittal after consideration of EIC participation goals. The table below reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
MESA Products, Inc.	Tulsa, OK	\$ 745,229.00

Pre-bid Estimate: \$530,000.00 (not including sales tax)
The recommended award is 40 percent above the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Replacement of these cathodic protection systems will extend the service life of the CTP’s 60-inch diameter outfall pipeline’s service life which represents the best solution with respect to potential impacts on human health, the environment, and the economics of replacing the pipeline.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: The recommended contractor is in compliance with the EIC requirements per memorandum dated December 7, 2023. The EIC requirements for this project are three percent Minority Business enterprises (MBE), one percent Women’s Business Enterprises (WBE), and three percent Small Business Enterprises (SBE). The EIC utilization levels of the recommended contractor, MESA Products, Inc., are 3.6 percent MBE, 4.1 percent WBE, and six percent SBE.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: The LEAP requirements for this project are 15 percent of the project labor hours must be worked by Local Employees and an additional 15 percent of the labor hours must be worked by Apprentices, per TMC 1.90.040.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300-ES Wastewater Fund	ENV-04015-23-04	5330100	\$894,274.80
TOTAL			Up to \$894,274.80

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300-ES Wastewater Fund	524700	6310010	(\$894,274.80)
TOTAL			Up to (\$894,274.80)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$894,274.80, plus applicable taxes

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A