



**TO:** Board of Contracts and Awards  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services *MPS*  
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering  
**COPY:** City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,  
Lance Bunch, P.E., Project Manager and Jessica Tonka, Finance/Purchasing  
**SUBJECT:** Central Treatment Plant Oxygen Supply Piping and Dock Street Catwalk  
Replacement  
Request for Bids Specification No. ES17-0126F – June 6, 2017  
**DATE:** May 19, 2017

**SUMMARY:**

The Environmental Services Department recommends a contract be awarded to low bidder **General Mechanical, Inc.**, Tacoma, WA, in the amount of \$371,000.00, plus a 20 percent contingency, for a cumulative total of \$445,200.00, excluding applicable sales tax, budgeted from the ES Wastewater Fund 4300, for improvements to the Central Wastewater Treatment Plant Oxygenation supply piping, Dock Street Pump Station catwalk, and the Dock Street Yard emergency overflow weirs.

**STRATEGIC POLICY PRIORITY:**

- Assure outstanding stewardship of the natural and built environment

This project will replace and modify existing wastewater treatment plant and pump station infrastructure that has exceeded its design life and is no longer operating efficiently and/or has become a worker safety issue. These improvements will provide enhancements to Tacoma's wastewater treatment and conveyance system that will result in positive environmental impacts.

**BACKGROUND:**

ISSUE: This project will help the City improve the manner in which oxygen is supplied to the secondary treatment tanks at the Central Wastewater Treatment Plant (CTP). This improvement will increase wastewater treatment efficiency and reduce electrical energy use. The City is currently having difficulty achieving even distribution of high purity oxygen into all four secondary treatment tanks. This project will replace the existing supply piping, flow meters, and valves allowing for improved control and measurement of the oxygen supply. This project will also provide improvements at the Dock Street Yard Pump Station to address structural steel corrosion within the 39 year old pump station structure and provide improved sanitary sewer overflow level control.

ALTERNATIVES: The alternative to the CTP improvements is taking no action and accepting the risk associated with not having effective control of oxygen supply which results in a decrease in wastewater treatment efficiency and an increase in electrical energy use.

The alternative for the Dock Street Pump Station catwalk replacement is to take no action and accept the risk of employee safety due to catwalk failure. This risk will only increase with time as the pump station continues to age. To not proceed with overflow control improvements at the Dock Street Yard would likely increase the volume of untreated wastewater discharged to the Foss Waterway during extreme wet weather events.



COMPETITIVE SOLICITATION: Request for Bids Specification No. ES17-0126F was opened May 2, 2017. The project was advertised in the Tacoma Daily Index, online contractor network, and on the City’s Purchasing website. The City received four bid proposals. General Mechanical, Inc. submitted the lowest responsive bid. The following table reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Submittal Amount</u> <i>(Excluding Applicable Sales Tax)</i>	<u>Evaluated Submittal</u> <i>(Excluding Applicable Sales Tax)</i>
<b>General Mechanical, Inc.</b>	<b>Tacoma, WA</b>	<b>\$371,000.00</b>	<b>\$371,000.00</b>
Rognlin’s Inc.	Aberdeen, WA	\$485,000.00	\$485,000.00
Hawk Mechanical Contractors	Monroe, WA	\$506,641.00	\$506,641.00
Pease & Sons, Inc.	Tacoma, WA	\$551,194.00	\$532,644.00

Pre-bid Estimate: \$465,000.00 excluding applicable sales tax.

The recommended award is approximately 20 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: When completed, this project will provide increased electrical efficiency, improved worker safety, and positive environmental impacts through improved wastewater treatment and reduced sanitary sewer overflow volumes during peak wet weather events.

SBE/LEAP COMPLIANCE: The recommended contractor is in compliance with the Small Business Enterprise (SBE) Regulation requirements per memorandum dated May 11, 2017. The SBE goal for this project is eight percent. The SBE participation level of the recommended contractor is zero percent. General Mechanical, Inc. submitted the lowest evaluated bid per the SBE Regulation requirements. The Local Employment and Apprenticeship Training Program (LEAP) goal is 330 hours.

**RECOMMENDATION:**

The Environmental Services Department recommends a contract be awarded to low bidder **General Mechanical, Inc.**, Tacoma, WA, in the amount of \$371,000.00, plus a 20 percent contingency, for a cumulative total of \$445,200.00, excluding applicable sales tax, budgeted from the ES Wastewater Fund 4300, for improvements to the Central Wastewater Treatment Plant Oxygenation supply piping, Dock Street Pump Station catwalk, and the Dock Street Yard emergency overflow weirs.



**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT*
ES Wastewater Fund 4300*	ENV-04015-07-02	5330100	\$445,200.00
<b>TOTAL</b>			<b>\$445,200.00</b>

\* Excluding Applicable Sales Tax

**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT*
ES Wastewater Fund 4300*	523900	Rate Revenues	\$445,200.00
<b>TOTAL</b>			<b>\$445,200.00</b>

\* Excluding Applicable Sales Tax

**POTENTIAL POSITION IMPACT:**

POSITION TITLE	PERMANENT/ PROJECT TEMPORARY POSITION	FTE IMPACT	POSITION END DATE
N/A			
<b>TOTAL</b>			

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET:** \$445,200.00, excluding applicable sales tax.

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED?** Yes.

FINANCE PURCHASING

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