



TO: Board of Contracts and Awards
FROM: Michael P. Slevin III, P.E., Director, Environmental Services
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator, and
Jessica Tonka, Finance/Purchasing
SUBJECT: Concrete and Structural Steel Assessment for the Central Wastewater Treatment
Plant and the North End Wastewater Treatment Plant – Architect & Engineering
Roster – January 2, 2018
DATE: December 8, 2017

RECOMMENDATION SUMMARY:

The Environmental Services Department recommends a contract be awarded to Brown and Caldwell, Seattle, WA, in the amount of \$419,034, plus any applicable taxes, budgeted from the ES Wastewater Fund 4300, for consultant engineering services associated with an assessment of concrete and structural steel components at the Central Wastewater Treatment Plant and the North End Wastewater Treatment Plant.

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.

The proposed contract is associated with identifying and prioritizing capital infrastructure improvements to the City’s wastewater treatment plants to reduce the risk of untreated wastewater overflowing into local waterways due to failures at these facilities. A reduced risk of untreated wastewater flowing into the Puget Sound represents an improvement to human health and the environment.

BACKGROUND:

ISSUE: The Central Wastewater Treatment Plant and North End Wastewater Treatment Plant were originally constructed in 1952 and 1969 respectively. The plants have been expanded and upgraded through a variety of capital projects over the years. This project consists of a comprehensive analysis of all major concrete and structural steel components at both wastewater treatment plants. The analysis will evaluate the condition of the components, will identify any recommended improvements, including costs and will estimate the remaining service life of the components.

This will result in a prioritized list of recommended maintenance and capital projects, and allow the City to proactively plan for these improvements.

ALTERNATIVES: The alternative would be to evaluate the concrete and structural steel structures at the treatment plants individually as issues arise. This approach, however, could result in failures occurring which could impact the operations of the treatment plants, impact the City’s ability to meet the wastewater permit requirements, and result in emergency projects.



COMPETITIVE SOLICITATION:

The City of Tacoma solicited engineering and architectural services to develop the citywide Architectural and Engineering (A&E) Roster. Four consulting firms were selected from the A&E roster and asked to submit additional information regarding their qualifications relative to this proposed scope of work. Two of the four firms selected submitted additional information and participated in the interview process. This evaluation process resulted in the determination that Brown and Caldwell was the most qualified firm for the proposed work.

<u>Respondent</u>	<u>Location (city and state)</u>	<u>Score or Rank</u>
Brown and Caldwell	Seattle, WA	1
CH2M Hill, Inc.	Bellevue, WA	2

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Evaluation and subsequent prioritization of improvements to these structures will reduce the risk of failure thereby reducing the potential for discharge of untreated wastewater into the Puget Sound.

SBE/LEAP COMPLIANCE: Not applicable.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Wastewater Utility Fund – 4300	523430	5310100	\$419,034
TOTAL			\$419,034

* General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Wastewater Utility Fund – 4300	523900	Rate Revenues	\$419,034
TOTAL			\$419,034

POTENTIAL POSITION IMPACT:

POSITION TITLE	PERMANENT/PROJECT TEMPORARY POSITION	FTE IMPACT	POSITION END DATE
N/A			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$419,034

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes