



Legislation Text

File #: 22-97, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability

AGENDA DATE: January 12, 2022

COUNCIL DISTRICT(S): 4

DEPARTMENT: Water Utilities Department

EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize a professional services contract with Lockwood, Andrews, and Newnam, Inc. for engineering evaluations, preliminary design, development of construction plans and specifications, bid phase services, construction administration and start-up associated with non-potable water system improvements at Central Wastewater Treatment Plant - Not to exceed \$3,397,000.00 - Financing: Wastewater Construction Fund

BACKGROUND

The City of Dallas owns and operates two wastewater treatment plants with a combined treatment capacity of 280 million gallons per day. Central Wastewater Treatment Plant (CWWTP) is the largest of the two plants, located just south of downtown. The non-potable water system at CWWTP utilizes treated wastewater for various plant water demands, conserving potable water. Non-potable water is used for filter backwashing, equipment cooling, and mechanical seal water. The current non-potable system consists of a main pump station, storage tank, booster pump station, pipelines, and appurtenances. These facilities have been constructed over the years as the plant has grown and treatment needs have changed.

The existing non-potable water infrastructure does not meet plant needs and results in increased operation and maintenance costs. Some of these facilities have reached the end of their useful life and the demand for non-potable water has also increased due to improvements in several processes throughout the plant. The proposed improvements will ensure that the non-potable water system is sufficient to satisfy current and future volume and pressure demands and protect critical equipment and infrastructure within the plant. The final design shall meet or exceed all anticipated capacity requirements and include flexibility to operate efficiently at any demand, ranging from minimum day demand to peak day demand.

This action will authorize a professional services contract with Lockwood, Andrews, and Newnam, Inc. to perform engineering services associated with non-potable water system improvements at the plant. Services include condition assessments of existing facilities, subsurface investigations of existing infrastructure, hydraulic modeling of the existing system and future system improvements, and analysis of system improvement options. The recommended improvements will be designed, and construction documents will be prepared. Additional professional services include bidding assistance, construction administration, and start-up of the proposed improvements.

ESTIMATED SCHEDULE OF PROJECT

Begin Design February 2022
Complete Design August 2023

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

This item has no prior action.

FISCAL INFORMATION

Fund	FY 2022	FY 2023	Future Years
Wastewater Construction Fund	\$3,397,000.00	\$0.00	\$0.00

M/WBE INFORMATION

In accordance with the City's Business Inclusion and Development Policy adopted on September 23, 2020, by Resolution No. 20-1430, as amended, the M/WBE participation on this contract is as follows:

Contract Amount	Procurement Category	M/WBE Goal	M/WBE %	M/WBE \$
\$3,397,000.00	Architecture & Engineering	34.00%	34.13%	\$1,159,244.00
• This contract exceeds the M/WBE goal.				
• Lockwood, Andrews, and Newnam, Inc. - Local; Workforce - 86.76% Local				

OWNER

Lockwood, Andrews, and Newnam, Inc.

Justin Reeves, Vice President

MAP

Attached