



AGENDA MEMORANDUM

Action Item for the City Council Meeting of March 26, 2024

DATE: March 26, 2024

TO: Peter Zaroni, City Manager

FROM: Nick Winkelmann, P.E., Interim Director of Water Systems and Support Services
nickw@cctexas.com
(361) 826-1796

Wesley Nebgen, Director of Water System Infrastructure
wesleyN@cctexas.com
(361) 826-3111

**Application Filing and Authorization Representative Resolution
For TWDB Clean Water State Revolving Fund (CWSRF) Emerging Contaminants (EC) Program**

CAPTION:

Resolution authorizing the submission of a grant application in the amount of \$625,000 to the Texas Water Development Board's (TWDB) Clean Water State Revolving Fund Emerging Contaminants Program to evaluate an unregulated and emerging contaminant known as PFAS at the Greenwood Wastewater Treatment Plant; authorizing staff and consultants to coordinate the submission of the application.

SUMMARY:

Resolution will authorize the execution of all documents necessary to apply for TWDB financial assistance in an amount not to exceed \$625,000 for the evaluation of the unregulated and emerging contaminant known as PFAS at the Greenwood WWTP. Also, there are only a couple of proven water treatment technologies that are effective at removing PFAS, which includes Reverse Osmosis as part of the seawater desalination process.

The resolution will also designate and authorize the City Manager, Assistant City Managers, Chief Operating Officer and the City Manager's designee as the representative of this grant application, and authorize STV Inc., San Antonio, Texas to aid and assist in the preparation and submission of such an application and appear on behalf of and represent the City of Corpus Christi.

BACKGROUND AND FINDINGS:

The per- and polyfluoroalkyl substances (PFAS) pollution in drinking water is receiving increasing attention. The Environmental Protection Agency (EPA) and Texas Commission on Environmental Quality (TCEQ) may add PFAS limits to the existing TPDES permits for the City's wastewater treatment plants. Corpus Christi Water (CCW) is seeking external grants to implement preliminary characterization and treatment analysis of PFAS in the wastewater system.

CCW contracted STV Inc., San Antonio, Texas, to prepare and submit the Emerging Contaminants Project Information Form (PIF) for Feasibility Study and Pilot Testing for PFAS Removal at Greenwood WWTP to seek an external grant with an amount of \$625,000 under the (TWDB) Clean Water State Revolving Fund (CWSRF) Emerging Contaminants (EC) Program. This project will include PFAS source identification on the wastewater collection system and bench scale testing of PFAS removal technologies on reclaimed water. This is a crucial step towards ensuring the safety of drinking water sources and reducing the need for extensive and expensive treatment processes for reclaimed water and biosolids from the Greenwood WWTP. Based on the feasibility study and permitting progress requirements, a PFAS treatment process can be added to Phase II of the Greenwood WWTP Expansion project. This makes the Phase II project a worthy investment for the City, as it not only addresses the current needs of the community, but also prepares for future regulatory requirements.

ALTERNATIVES:

The alternative to not submitting an application is that the City will pay 100% of the total project cost or find alternative funding sources

FISCAL IMPACT:

No fiscal impact for this resolution.

RECOMMENDATION:

Staff recommends approval of the resolution.

LIST OF SUPPORTING DOCUMENTS:

Resolution