



Legislation Text

File #: 0356-2021, **Version:** 1

This legislation authorizes the Director of the Department of Public Utilities to enter into a collaborative contract with The Water Research Foundation for the Tailored Collaboration Program for the ACID+ Digestion Proposal, for the Division of Sewerage and Drainage. This project will develop an improved understanding of Southerly Wastewater Treatment Plant's (SWWTP) conventional acid-gas digestion that will be leveraged to provide more optimized digestion and potential process upgrades. Benefits are anticipated to include reduced foaming, reduction of hydrogen sulfide in the biogas, and enhanced process stability. This process is expected to additionally provide controlled production of struvite at lower chemical demand while possibly increasing existing digester capacity. It is a collaborative effort in which Columbus provides a portion of the funding and is the sponsoring utility, with several other entities contributing funding and in-kind donations as well, including Brown and Caldwell, Cincinnati MSD, NYC DEP, Gwinnett County, and The Water Research Foundation. The results of this research have the potential to benefit the SWWTP and the other study participants, as well as others in the industry utilizing similar technologies.

SUPPLIER: The Water Research Foundation, FID #13-6211384, DAX #000727, Expires May 30, 2020, Non-Profit Organization.

FISCAL IMPACT: A total of \$50,000.00 is budgeted and available for the City's portion of this collaborative contract for the Division of Sewerage and Drainage.

\$0.00 was spent in 2020

\$0.00 was spent in 2019

This ordinance is contingent on the passage of the 2021 Operating Budget (Ordinance #2503-2020).

To authorize the Director of Public Utilities to enter into a collaborative contract with The Water Research Foundation for the Tailored Collaboration Program; and to authorize the expenditure of \$50,000.00 from the Sewer Operating Sanitary Fund. (\$50,000.00)

WHEREAS, the Department of Public Utilities, Division of Sewerage and Drainage wishes to enter into a collaborative contract with The Water Research Foundation for the Tailored Collaboration Program for the ACID+ Digestion Proposal; and

WHEREAS, this project will develop an improved understanding of Southerly Wastewater Treatment Plant's (SWWTP) conventional acid-gas digestion that will be leveraged to provide more optimized digestion and potential process upgrades. Benefits are anticipated to include reduced foaming, reduction of hydrogen sulfide in the biogas, and enhanced process stability. This process is expected to additionally provide controlled production of struvite at lower chemical demand while possibly increasing existing digester capacity; and

WHEREAS, it is a collaborative effort in which Columbus provides a portion of the funding and is the sponsoring utility,

with several other entities contributing funding and in-kind donations as well, including Brown and Caldwell, Cincinnati MSD, NYC DEP, Gwinnett County, and The Water Research Foundation. The results of this research have the potential to benefit the SWWTP and the other study participants, as well as others in the industry utilizing similar technologies; and

WHEREAS, the expenditure of \$50,000.00 is authorized within the Sewer Operating Sanitary Fund, and the term of this agreement will be from the date of execution by the City of Columbus through completion of the program and payment of all necessary costs; and

WHEREAS, it has become necessary in the usual daily operation of the Department of Public Utilities, Division of Sewerage and Drainage to authorize the Director of Public Utilities to enter into a collaborative contract with The Water Research Foundation for the Tailored Collaboration Program, for the preservation of the public health, peace, property and safety; now, therefore

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:

SECTION 1. That the Director of Public Utilities be and is hereby authorized to enter into a collaborative contract with The Water Research Foundation to provide for the Tailored Collaboration Program, in accordance with the terms and conditions as shown in the agreement on file in the office of the Division of Sewerage and Drainage. The term of this agreement will be from the date of execution by the City of Columbus through completion of the program and payment of all necessary costs.

SECTION 2. That the expenditure of \$50,000.00 or so much thereof as may be needed, is hereby authorized in Fund 6100 Sewer Operating Sanitary Fund in object class 03 Services per the accounting codes in the attachment to this ordinance.

SECTION 3. That the funds necessary to carry out the purpose of this ordinance are hereby deemed appropriated and the City Auditor shall establish such accounting codes as necessary.

SECTION 4. That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this Ordinance.

SECTION 5. That the Ordinance shall take effect and be in force from and after the earliest period allowed by law.