



AGENDA MEMORANDUM

First Reading for the City Council Meeting of February 19, 2019
Second Reading for the City Council Meeting February 26, 2019

DATE: January 28, 2019

TO: Keith Selman, Interim City Manager

FROM: Dan Grimsbo, Executive Director of Utilities
DanG@cctexas.com
(361) 826-1718

<p>Reimbursement Contract for Testing Soil and Water Samples for Proper Fertilizer Use and Indicator Parameters</p>
--

CAPTION:

Ordinance to appropriate \$37,048 in reimbursement funds received through the Reimbursement Contract with Coastal Bend Bays and Estuaries Program, Inc. for the Coastal Bend Fertilizer and Pesticides Monitoring Program in the No. 4300 Stormwater Treatment Fund.

PURPOSE:

This item is to appropriate reimbursement funds.

BACKGROUND AND FINDINGS:

In 2016, the City of Corpus Christi population was estimated to be 325,734; with an estimated 130,722 houses and condos. When used improperly, pesticide and fertilizer application can promote algal blooms and eutrophication of the receiving aquatic environment. Point and non-point source discharge is increased with the construction of impervious surface attributed to population growth.

Currently, the City of Corpus Christi and surrounding areas lack comprehensive management of pesticides and fertilizers. Many homeowners and businesses may be unaware of the effects improper application can have on the environment and their pocket book. Through qualitative and quantitative data collection, this project will establish a baseline soil analysis for zip codes, and in subsequent years, monitor that baseline to evaluate the effectiveness of the public awareness campaign within the City of Corpus Christi. The project will determine areas of the City to be sampled and will offer soil testing to the public to determine fertilizer use. The goal is to sample 1% or at least 20 samples from each zip code, depending on sample analysis cost. The sites will be chosen randomly and on a voluntary basis and the first 1% of samples received from each zip code will be analyzed. Additionally, at the cost to the City, analytes will be added to the existing City of Corpus Christi Receiving Water Body Sampling Program and runoff analyses will continue as per the TPDES permit. The City of Corpus Christi Utilities-

Treatment will collect stormwater discharge samples for analysis to determine how fertilizers are affecting soluble concentrations in the bay.

ALTERNATIVES:

Use City of Corpus Christi resources and funding to better understand how to improve management of fertilizers and pesticides and how it affects stormwater quality and its effect on the receiving water bodies within the City of Corpus Christi jurisdictional boundaries.

OTHER CONSIDERATIONS:

Not applicable.

CONFORMITY TO CITY POLICY:

This purchase conforms to the City's purchasing policies and procedures and State statutes regulating procurement.

EMERGENCY / NON-EMERGENCY:

Non-emergency.

DEPARTMENTAL CLEARANCES:

Utilities Department - Water

FINANCIAL IMPACT:

X Operating ☐ Revenue ☐ Capital ☐ Not applicable

Fiscal Year: 2018-2019	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Line Item Budget		\$118,936		\$118,936
Encumbered / Expended Amount		66,821		66,821
This item		37,048		37,048
BALANCE		\$ 89,163		\$ 89,163

Fund(s): Stormwater Fund No. 4300

Comments: This is a reimbursement contract.

RECOMMENDATION:

Staff recommends approval of the resolution as presented.

LIST OF SUPPORTING DOCUMENTS:

Ordinance

Agreement with CBBEP