

Legislation Details (With Text)

File #:	15-9380	Version:	1	Name:	
Type:	Business Item	Status:		Approved	
File created:	10/4/2018	In control:		City Council Business Meeting	
On agenda:	6/10/2019	Final action:		6/10/2019	
Title:	McAlpine Creek Wastewater Treatment Plant Nutrient Harvesting Public-Private Partnership				
Attachments:	1. Map-McAlpine Creek Wastewater Treatment Plant Nutrient Harvesting Public-Private Partnership, 2. Resolution-McAlpine Creek Wastewater Treatment Plant Nutrient Harvesting Public-Private Partnership				

Date	Ver.	Action By	Action	Result
6/10/2019	1	City Council Business Meeting	Approve	Pass

McAlpine Creek Wastewater Treatment Plant Nutrient Harvesting Public-Private Partnership

Action:

- A. **Adopt a resolution identifying a critical need for a capital improvement project that provides for the removal and reuse of phosphorus, and**
- B. **Authorize the use of the public-private partnership contracting method to provide the capital improvement project.**

Staff Resource(s):

Angela Lee, Charlotte Water
Ron Hargrove, Charlotte Water
Carl Wilson, Charlotte Water

Explanation

- Charlotte Water is seeking to enter into a Public-Private Partnership (P3) to implement a nutrient harvesting facility to recover phosphorus from wastewater for use as fertilizer.
- Removal of phosphorus is a critical need at the wastewater treatment plant, is regulated by permit, and aligns with the city's circular economy initiatives.
- Utilizing the P3 construction contracting method mitigates the risks and shifts the responsibility to the third party, allowing Charlotte Water to focus on providing core services.
- In order for Charlotte Water to utilize a P3 construction contracting method, Council must adopt the attached resolution as required by North Carolina General Statute 143-128.1C.
- In 2011, Charlotte Water conducted a pilot for a phosphorus removal process at the McAlpine Creek Wastewater Treatment Plant, in the Town of Pineville (adjacent to Council District 7).
- In 2013, the biosolids master plan recommended phosphorus be beneficially reused as a fertilizer.
- Future Council approval for the contract with the selected P3 vendor will be required.

Charlotte Business INclusion

The city negotiates MWSBE goals on Public-Private Partnerships (P3) after the scopes of work are defined (Part G: Section 2.7 of the Charlotte Business INclusion Policy).

Fiscal Note

Funding: Not applicable

Attachment(s)

Map
Resolution