

## Legislation Text

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File #: 15-7137, Version: 1

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### **McAlpine Creek Wastewater Treatment Plant Reliability and Process Improvements Project Phase 1**

**Action:**

**Approve a contract in the amount of \$861,088 with Garney Companies, Inc. for Phase 1 design-build services for the McAlpine Creek Wastewater Treatment Plant Reliability Improvements Project.**

**Staff Resource(s):**

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

**Explanation**

- The McAlpine Creek Wastewater Treatment Plant (WWTP) is located in the southern part of Mecklenburg County and is the largest of five major WWTPs operated and maintained by Charlotte Water.
- The McAlpine Creek WWTP Reliability and Process Improvements (RPI) project involves rehabilitating or replacing critical components of the wastewater treatment process systems to ensure reliable discharge permit compliance. Some components have been in operation since the 1960s and are past their useful life.
- The RPI Project will be constructed in phases over a span of up to five years and has an estimate of probable construction cost of approximately \$90 million.
- The Progressive Design-Build delivery method was chosen for delivery of the project due to the complexity and critical area the project will be constructed in at the WWTP. This approach allows for a qualifications based selection of a Design-Build team that is well qualified to perform the work included in the scope of the Project.
- On September 1, 2017, Charlotte Water issued a Request for Proposals (RFP); five proposals from interested service providers were received.
- Garney Companies, Inc. was determined to be the best qualified firm to meet the City's needs on the basis of demonstrated competence and qualifications in response to the RFP requirements.
- This contract provides Professional Services for Phase 1 of the RPI Project, including:
  - Design services for a full scale process pilot,
  - Development of a guaranteed maximum price for construction of the full scale pilot and employment of minor modifications to existing facilities to allow for efficient implementation of the pilot and,
  - Evaluation and recommendations for improvements to the aeration system blowers.
- Additional phases of the Project will be presented to Council in the future. The anticipated date of the next phase is spring 2018.

**Charlotte Business INclusion**

No subcontracting goal was established because there are no subcontracting opportunities (Part C: Section 2.1(a) of the Charlotte Business INclusion Policy.)

**Fiscal Note**

Funding: Charlotte Water Community Investment Plan

**Attachment(s)**

Map