

Legislation Details (With Text)

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Title: Charlotte Water Miscellaneous Engineering Services

Attachments:

| Date | Ver. | Action By | Action | Result |
|-----------|------|-------------------------------|---------|--------|
| 7/24/2017 | 1 | City Council Business Meeting | Approve | Pass |

Charlotte Water Miscellaneous Engineering Services

Action:

Approve contracts with the following companies for engineering services for a term of three years:

- **Black & Veatch International Company,**
- **CDM Smith, Inc.,**
- **HDR Engineering, Inc. of the Carolinas,**
- **Hazen and Sawyer,**
- **Brown and Caldwell,**
- **Stantec Consulting Services Inc.,**
- **Willis Engineers, Inc., an SBE, and**
- **WK Dickson & Co., Inc.**

Staff Resource(s):

Barry Gullet, Charlotte Water
Ron Hargrove, Charlotte Water
Carl Wilson, Charlotte Water

Explanation

- Charlotte Water staff requires specialized technical assistance from outside engineering firms to support maintenance and upgrades at water and wastewater treatment plants as well as the collection and distribution systems.
- These on-call professional services contracts are for engineering services such as:
 - Planning, design, and construction management for water and wastewater treatment plant and pipeline projects,
 - Structural analysis,
 - Regulatory process control, and
 - Hydraulic modeling.
- On April 11, 2017, the City issued a Request for Qualifications (RFQ); 13 proposals were received from interested service providers.
- The above firms were determined to be the best qualified firms to meet the City's needs on the basis of demonstrated competence and qualification of professional services in response to the RFQ

requirements.

- Total contract expenditures for all of the contracts are estimated to be \$3,350,000 annually.
 - Approximately \$2 million of these expenditures are expected to be utilized for planning, design and construction management on approximately \$40 million of water and wastewater treatment plant rehabilitation projects identified in the Community Investment Plan (CIP) over the next three years.
 - The remaining \$1.35 million are for engineering services such as structural analysis, regulatory process control, hydraulic modeling, preliminary engineering reports, cost estimates, studies, evaluations, special inspections, etc. as they become necessary for various other CIP projects.

Charlotte Business INClusion

The City negotiates subcontracting participation after the proposal selection process (Part C: Section 2.1(h) of the Charlotte Business INClusion Policy). The specific tasks and subcontracting opportunities associated with this contract are undefined; however, each Prime consultant has identified certified firms to be utilized as the contract evolves and the scopes of work are defined:

Black & Veatch International Company

- Avioimage Mapping Services, Inc. (SBE) (aerial mapping)
- Capstone Civil Group, PA (SBE, MBE) (geotechnical and inspections)
- Carolina Wetland Services, Inc. (SBE, WBE) (environmental services)
- CES Group (SBE, WBE) (subsurface utility engineering and surveying services)
- CITI, LLC (MBE) (system integration)

CDM Smith Inc.

- CES Group Engineers, LLP (SBE, WBE) (surveying services)
- CITI, LLC (MBE) (system integration)
- Richa Graphics (SBE) (printing)
- Southeastern Consulting Engineers, Inc. (SBE) (electrical engineering services)
- Sweetwater Utility Exploration, LLC (SBE) (utility locating)

HDR Inc. of the Carolinas

- CITI, LLC (MBE) (systems integration services)
- Gavel & Dorn Engineering, PLLC (SBE) (inspections)
- Joel E. Wood & Associates, LLC (SBE) (geotechnical services)
- R. Joe Harris & Associates, LLC (SBE) (surveying services)
- Richa Graphics (SBE) (printing)

Hazen & Sawyer

- Avioimage Mapping Services, Inc. (SBE) (aerial mapping)
- Hinde Engineering, Inc. (SBE) (traffic control plans)
- Mid-Carolina Reprographics (SBE) (document reproduction)
- Southeastern Consulting Engineers, Inc. (SBE) (electrical engineering services)
- Survey & Mapping Control, Inc. (SBE) (field surveying)

Brown & Caldwell

- C Design Inc. (SBE)(architectural support)
- Capstone Civil Group, PA (SBE, MBE) (geotechnical Support)
- LDSI, Inc. (SBE) (surveying)

Stantec Consulting Services, Inc.

- Avioimage Mapping Services, Inc. (SBE) (aerial mapping)
- Capstone Civil Group, PA (SBE, MBE) (geotechnical Support)
- Carolina Wetland Services, Inc. (SBE, WBE) (environmental services)
- Gavel & Dorn Engineering, PLLC (SBE) (inspections)

Willis Engineers (SBE)

- Gavel & Dorn Engineering, PLLC (SBE) (inspections)
- Survey & Mapping Control, Inc. (SBE) (field surveying)

WK Dickson & Co., Inc.

- Capstone Civil Group, PA (SBE, MBE) (geotechnical engineering & materials testing)
- CES Group Engineers, LLP (SBE, WBE) (surveying services)
- Southeastern Consulting Engineers, Inc. (SBE) (electrical engineering services)
- Southeast Geomatics Group (SBE) (surveying support)

Fiscal Note

Funding: Charlotte Water Community Investment Plan