



Legislation Text

File #: ID 17-256, **Version:** 1

AGENDA INFORMATION SHEET

DEPARTMENT: Materials Management

ACM: Bryan Langley

AGENDA DATE: March 7, 2017

SUBJECT

Consider adoption of an ordinance authorizing the City Manager to execute a professional services agreement for engineering services associated with the City of Denton Water Distribution System Master Plan; providing for the expenditure of funds therefor; and providing an effective date (File 6388-awarded to Freese and Nichols, Inc. in an amount not-to-exceed \$213,300). The Public Utilities Board recommends approval (6-0).

FILE INFORMATION

Water Distribution System master planning is used for a variety of purposes in a water utility to manage growth and budget for capital improvements. The primary uses for a Water Distribution System Master Plan include:

1. Identifying water transmission pipeline, storage, and pumping improvements for inclusion in the Water Utilities 5 year Capital Improvements Program or 10 year Impact Fee Capital Improvements Program.
2. Identifying future waterline sizes for developer oversize participation agreements.

The development of a Water Distribution System Master Plan requires the use of computer modeling to simulate existing conditions and project future conditions and anticipated growth over a 25 year planning window. From this modeling effort, capital improvement plans are then developed to satisfy anticipated water demands for the long range 25 year condition, the 10 year Water Impact Fee Capital Plan condition, and the 5 year Water Utility Capital Plan. Freese and Nichols, Inc., performed the last Water Distribution System Master Plan for the City of Denton in 2007. This master plan was updated in 2012 as a part of the City's 2013 Water and Wastewater Impact Fee update. The Water Utilities Department typically performs this type of master planning effort every 10 years with a minor update for the Impact Fee Capital Improvements Plan every 5 years. Updating the City's Water Impact Fees is required by state law every 5 years and this master plan updating process will accomplish both of these goals. The Water Wastewater Impact Fee Update is scheduled for 2018 and this effort needs to begin this year to help facilitate this update process and planned schedule.

Staff has researched several local engineering firms' qualifications to perform this project and selected Freese and Nichols, Inc., from Fort Worth due to their extensive work experience in this area as well as their familiarity with the City of Denton's water distribution system. The firm's prior experience with performing these studies along with the proposed project team and their resumes are included as Exhibit 1. The proposed scope of services and estimated fees are included in the contract (Exhibit 4).

Staff continues to maintain the software program and water distribution master plan that was developed by Freese and Nichols, Inc., for the City back in 2007 but needs their assistance with the modeling and updating of future water demands and the engineering analysis required to develop the 25 year, 10 year and 5 year CIP plans. Many of the key personnel within Freese and Nichols, Inc., that developed the plan for the City back in 2007 are still with the firm and are a part of the consultant team that has been negotiated to perform this work under this contract.

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On February 27, 2017 the Public Utilities Board (PUB) recommended approval to forward this item to the City Council for consideration.

RECOMMENDATION

Approve a professional services agreement with Freese and Nichols, Inc. in the not-to-exceed amount of \$213,300.

PRINCIPAL PLACE OF BUSINESS

Freese and Nichols, Inc.
Fort Worth, TX

ESTIMATED SCHEDULE OF PROJECT

The services will be provided until all project scope requirements are met. This is estimated to be March 2018.

FISCAL INFORMATION

These services will be funded from Water Administration Operation and Management Consulting account 630364517.1360.20100. Requisition#133267 has been entered in the Purchasing software system.

STRATEGIC PLAN RELATIONSHIP

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: Public Infrastructure

Related Goal: 2.3 Promote superior utility services and facilities

EXHIBITS

Exhibit 1: Qualifications Statement

Exhibit 2: Public Utilities Board Draft Minutes

Exhibit 3: Ordinance

Exhibit 4: Contract

Respectfully submitted:
Ethan Cox, 349-7421
Customer Service Manager

For information concerning this acquisition, contact: Tim Fisher at 349-7190.