



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Procurement
ACM: Cassey Ogden
DATE: April 16, 2024

SUBJECT

Consider adoption of an ordinance of the City of Denton, a Texas home-rule municipal corporation, authorizing the City Manager to execute a contract with Burns & McDonnell Engineering Company, Inc., to manage and control improvements to the Supervisory Control and Data Acquisition (SCADA) network in the capacity of Owner Engineer for Denton Municipal Electric; providing for the expenditure of funds therefor; and providing an effective date (RFQ 7804-013 – awarded to Burns & McDonnell Engineering Company, Inc., in the not-to-exceed amount of \$1,399,998.00). [The Public Utilities Board recommends approval \(4 - 0\).](#)

STRATEGIC ALIGNMENT

This action supports Key Focus Area: Enhance Infrastructure and Mobility.

INFORMATION/BACKGROUND

The City of Denton utilizes and maintains a SCADA (Supervisory Control and Data Acquisition) network for various operations throughout the City. Denton Municipal Electric (DME) is proposing several improvements to this network that will improve functionality and compliance with various regulations. To ensure the best outcome, DME recommends that an Owner Engineer (OE) contract be awarded to help coordinate and implement the necessary improvements. This includes aiding DME in developing an RFP and selecting a qualified vendor to perform the improvements.

DME has obtained feedback from impacted stakeholders and collaborated on determining that Burns & McDonnell Engineering Company has superior experience and a specific project background relevant to SCADA isolation. DME and its stakeholders used the list of Pre-Qualified Engineering Firms (RFQ 7804) and a qualification matrix to reach its conclusion and used the following criteria when deciding: General Information, Capabilities, Customer References, Individual Project Experience, and Relevant SCADA Experience. Burns & McDonnell Engineering Company comprises a team of highly skilled systems engineering specialists and support staff.

The OE will act diligently as an advocate for DME while managing all participating vendors in the design and implementation of this project. In addition, the OE will represent DME through procurement, design, development, execution, integrations, and functional testing of the systems to confirm that the work is done according to specifications and within legal standards. With the collaboration from the City of Denton Technology Services, DME has established an attentive plan for these improvements in the following sequence:

- 1) Plan & Analyze in 2024
- 2) RFP Documentation Development in 2024
- 3) RFP Process & Templates in 2024
- 4) RFP Responses Evaluation in 2024
- 5) Plan & Design Improvements in Fall 2024
- 6) Execute Improvements in Spring 2025
- 7) Go Live in Fall 2025

Burns & McDonnell Engineering Company has gathered requirements from DME stakeholders and understands the organization's vision, including ongoing or planned initiatives. As a result, Burns & McDonnell Engineering Company can provide the expertise and resources needed to keep the project on schedule and aligned with DME's future business objectives.

Request for Qualifications for professional engineering services for Denton Municipal Electric was solicited using the City's formal solicitation process. City Council approved a pre-qualified list of engineering firms on December 14, 2021.

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On December 14, 2021, City Council approved RFQ 7804 for a prequalified list of professional engineering services for Denton Municipal Electric (Ordinance 21-2687).

On April 8, 2024, the Public Utilities Board (PUB) recommended this item to the City Council for consideration.

RECOMMENDATION

Award a contract with Burns & McDonnell Engineering Company, Inc., to manage and control improvements to the Supervisory Control and Data Acquisition (SCADA) network in the capacity of Owner Engineer for Denton Municipal Electric, in a not-to-exceed amount of \$1,399,998.

PRINCIPAL PLACE OF BUSINESS

Burns & McDonnell Engineering Company, Inc.
Austin, TX

ESTIMATED SCHEDULE OF PROJECT

This project will be started upon approval with a proposed completion date of October 2025.

FISCAL INFORMATION

These services will be funded from DME pre-qualified engineering services account 605467500. Requisition #164289 has been entered into the Purchasing software system in the amount of \$800,000. The budgeted amount for this item is \$1,399,998.

EXHIBITS

Exhibit 1: Agenda Information Sheet
Exhibit 2: Ordinance and Contract

Respectfully submitted:
Lori Hewell, 940-349-7100
Purchasing Manager

For information concerning this acquisition, contact: Cameron Molsbee, 940-349-7619.

Legal point of contact: Marcella Lunn at 940-349-8333.