



Legislation Text

---

**File #:** 15-6683, **Version:** 1

---

**TO:** Mayor and Commission

**AGENDA DATE:** 6/20/2022

**FROM:** John A. Peters, III, PE, Acting City Manager **AGENDA ITEM:** 11 - B

**SUBJECT:**

Request approval of the Task Authorization with Rocha Controls for the installation of VFD (Variable Frequency Drive) Motor Control Center and associated hardware at Water Plant 15, in accordance with their Agreement with the City of Deltona and RFQ# PW 18-04 for Supervisory Control and Data Acquisition (SADA) System Upgrades and Maintenance. In the amount of \$46,272.00 - Steven Danskine, Public Works/Deltona Water (386) 878-8998.

Strategic Goal: Infrastructure

**LOCATION:**

Water Plant #15, Omaha Dr.

**BACKGROUND:**

This project is to replace the failing Motor Control Center soft start at Water Plant 15. This Motor Control Center is used to start and stop well 28's motor operation to pump ground water from the well for treatment and distribution to the water systems customers for consumption and fire protection. The upgrade from motor contactors to VFD's will increase the life of water plant equipment as well as lessen distribution system impacts from hard starts. The existing contactor is a simple on/off while the VFD (Variable Frequency Drive) will slowly increase speed of starts and stops and enable the motor speed to be adjusted up or down to maintain proper water pressure in the distribution system. Without this well in operation we could experience low pressure in the service area around this plant.

**OPTIONS:**

1. Approve: Install VFD Motor Control Center at Water Plant 15, and make the plant more efficient and reliable.
2. Deny: Don't approve project and risk high pressure in the system.

**COST:**

\$46,272.00

**SOURCE OF FUNDS:**

Water/Wastewater GL: 401-361-640500

**ORIGINATING DEPARTMENT:**

Public Works/Deltona Water

**STAFF RECOMMENDATION PRESENTED BY:**

That the Commission approve the Task authorization with Rocha Controls for the installation of VFD (Variable Frequency Drive) Motor Control Center and associated hardware at Water Plant 15, in accordance with their Agreement with the City of Deltona and RFQ# PW 18-04 for Supervisory Control and Data Acquisition (SCADA) System Upgrades and Maintenance in the amount of \$46,272.00. - Steven G. Danskine, P.E., Acting Director of Public Works

**POTENTIAL MOTION:**

"I move to approve the Task Authorization with Rocha Controls for the installation of VFD (Variable Frequency Drive) Motor Control Center and associated hardware at Water Plant 15, in the amount of \$46,272.00. The Acting City Manager has the authority to make corrections of scrivener's errors and the like."