



Legislation Details (With Text)

File #: ID#20-8039 **Version:** 1 **Name:** Approve design work order for NE WRF MCC-1 and DC 1 & 2 Replacement (17-0028-UT)
Type: Action Item **Status:** Passed
File created: 7/14/2020 **In control:** Public Works
On agenda: 8/20/2020 **Final action:** 8/20/2020

Title: Approve Engineer of Record (EOR) Work Order to McKim and Creed, Inc., in the amount of \$201,910.50 for the Northeast (NE) Water Reclamation Facility (WRF) Motor Control Center-1 (MCC-1) and Distribution Centers 1 and 2 (DC-1 and DC-2) Replacement (17-0028-UT) and authorize the appropriate officials to execute same. (consent)

Sponsors:

Indexes: **, 2. Economic & Housing Opportunity, 4. Environmental Stewardship

Code sections:

Attachments: 1. NE MCC-1 and DC-1 & 2 Replacement 17-0028-UT Work Order, 2. Location Map 17-0028-UT

Date	Ver.	Action By	Action	Result
8/20/2020	1	City Council		
8/17/2020	1	Council Work Session		

SUBJECT/RECOMMENDATION:

Approve Engineer of Record (EOR) Work Order to McKim and Creed, Inc., in the amount of \$201,910.50 for the Northeast (NE) Water Reclamation Facility (WRF) Motor Control Center-1 (MCC-1) and Distribution Centers 1 and 2 (DC-1 and DC-2) Replacement (17-0028-UT) and authorize the appropriate officials to execute same. (consent)

SUMMARY:

The City of Clearwater owns and operates the Northeast Water Reclamation Facility (NE WRF). This project will replace and upgrade Motor Control Center 1 (MCC-1), which controls the motors that operate the 2nd Anoxic Tank, in addition to the two switchgear distribution centers, DC-1 and DC-2, that transition power to a generator upon loss of utility power.

MCC-1 is housed in an outdoor fiberglass enclosure that is showing signs of age and is exposed to heating from the sun. DC-1 and DC-2 are more than 40 years old and have reached the end of their useful life. In addition to replacing the equipment, this project will evaluate technological advances that may be implemented to improve operation and maintenance efficiencies.

This project includes geotechnical and environmental assessments. The geotechnical investigation will evaluate localized subsidence in the area the equipment is currently housed to determine if structure stabilization is required or if a new location is recommended. The environmental investigation includes an asbestos and lead survey.

APPROPRIATION CODE AND AMOUNT:

3277327-561300-M1906 \$201,910.50

Funding is available in Water and Sewer Renewal and Replacement Project M1906, Northeast Plant R&R, to

fund the work order.