



**AGENDA ACTION FORM**

**Consider a Resolution to Amend CDM Smith Agreement for Wastewater Treatment Plant Electrical Improvements – Motor Control Center (MCC) 6 Replacement Project**

To: Board of Mayor and Aldermen  
From: Chris McCartt, City Manager *CM*

Action Form No.: AF- 2-2024  
Work Session: January 16, 2024  
First Reading: N/A  
Final Adoption: January 16, 2024  
Staff Work By: Niki Ensor  
Presentation By: Ryan McReynolds

**Recommendation:**  
Approve the resolution.

**Executive Summary:**  
On April 12, 2022, the City entered into a professional service agreement with CDM Smith for design of motor control center 6 (MCC-6) at the wastewater treatment plant (WWTP). This project was identified in a condition assessment of the WWTP electrical system performed in 2016. The assessment prioritized projects based on the condition and risk to plant operations and compliance. Electrical equipment greater than 30 years of age has reached the end of its useful life and is not deemed reliable.

MCC-6 was installed in 1980. It has a single feeder and provides power to the return activated sludge (RAS) and waste activated sludge (WAS) pumping stations resulting in a single point of failure. To increase reliability, it is recommended MCC-6 be removed and replaced with two new main-tie-main motor control centers interlocked with kirk keys. New MCC-6A and MCC-6B will be fed from opposite sides of newly constructed switch board 1 (SB-1) to increase reliability. A new air-conditioned building housing two motor control centers and VFDs is recommended for this area.

This amendment moves the project into the construction phase. Total amendment request is \$214,075. This project was identified and funding was approved by the BMA for the FY 2022 Capital Improvements Plan. Funding is available in SW2206.

Original Contract Amount	\$ 305,400.00
Contract Amendment 1	<u>\$ 214,075.00</u>
Current Contract Amount	\$ 519,475.00

- Attachments:**
- Resolution
  - Agreement

	Y	N	O
Cooper	—	—	—
Duncan	—	—	—
George	—	—	—
Montgomery	—	—	—
Olterman	—	—	—
Phillips	—	—	—
Shull	—	—	—