



City of Greensboro

Melvin Municipal
Office Building
300 W. Washington Street
Greensboro, NC 27401

Agenda Report

File Number: 2023-579

Agenda Item# I.9.

Agenda Date: 8/15/2023. **Department:** Water Resources

Meeting Type: Council Meeting **Category:** General Business Agenda

Title: 2023 – 579 Ordinance for Water Resources Capital Project Revenue Bond Fund Budget and Appropriate Fund for Townsend Water Treatment Plant Phase II Electrical Improvements Construction Manager at Risk Project in the Amount of \$44,332,891

Council Priority: Place an 'x' in the box.

- | | |
|--|--|
| <input type="checkbox"/> Safest City | <input type="checkbox"/> Most Skilled Workforce |
| <input type="checkbox"/> Easiest Place to Do Business | <input type="checkbox"/> Most Connected City |
| <input type="checkbox"/> Youth Sports Capital | <input type="checkbox"/> Hub of Recreation and Entertainment |
| <input type="checkbox"/> Abundance of Attainable Housing | <input checked="" type="checkbox"/> Other/Admin <u>Infrastructure Improvements</u> |

Council District: ALL

Public Hearing: No

Advertising Date/By: N/A

Contact 1 and Phone: Michael Borchers, Ext. 2494

Contact 2 and Phone: Virginia Spillman, Ext. 3260

PURPOSE:

The City of Greensboro Water Resources Department requests approval to establish bond funding for the Water Resources Capital Project Revenue Bond Fund budget supporting the Townsend Water Treatment Plant (WTP) Phase II Electrical Improvements Construction Manager at Risk (CMAR) Project. Council approval is requested for a budget ordinance to permit the expenditure of funds.

BACKGROUND:

The Townsend WTP electrical system was partially upgraded in previous years during an initial phase construction project. The work replaced some of the outdated electrical equipment and major electrical gear that serves the plant. One new emergency generator was installed as well as some necessary electrical equipment to provide electrical power to the head of the plant. A new large finished water pump that serves low WTP flow ranges was installed and a select amount of aged mid-level system equipment was replaced.

To support the reliability and operation of the electrical equipment and systems at the WTP, upgrades were designed and now ready to be constructed in this second phase of electrical improvements at the Townsend WTP. They include the installation of a second emergency

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generator that will allow for complete plant-wide electrical back up service during power outages. In addition, the remaining outdated electrical equipment will be replaced as well as replacement of the largest and aged finished water pump and motor that serves higher WTP flow ranges. The project will replace other ancillary aged equipment such as the sludge collectors. The SCADA and instrumentation control system will require updates and additions to support all of the electrical equipment changes.

BUDGET IMPACT:

This amendment will increase the Water Resources Bond Fund budget by \$44,332,891.29 from revenue bond funding.

ACCOUNT NUMBER:

518-70-7099201.6019

RECOMMENDATION / ACTION REQUESTED:

It is recommended that City Council adopt the budget ordinance to establish the Water Resources Capital Project Revenue Bond Fund Budget to appropriate funding for the Townsend Water Treatment Plant Phase II Electrical Improvements Construction Manager at Risk Project.