

Surface Water Treatment Plant is currently only fed from a single electrical substation that powers the entire facility. Most industrial facilities couple both an emergency power generation system with a dual-feed arrangement with their electrical provider. This allows for the most robust and resilient electrical feed systems that can be accomplished. As part of this Agreement, Oncor will bore across Weiss Lane to the Surface Water Treatment Plant to bring up to a new pole along the east side of the road. This electrical service comes from a separate substation off Pflugerville Parkway that will allow for a secondary feeder into the facility. Oncor would then need to install two IntelliRupters on each of the electrical feeds coming from the two substations. These IntelliRupters are designed to communicate with each other and when one of the lines senses a loss of power, it will open the circuit on one substation and close the circuit on the other substation. This allows for a redundant feed if there is an issue at one of the substations.

This project is being funded as part of the Water Treatment Plant Emergency Generator Power System Capital Improvement Project.

Prior City Council Action

On September 22, 2020, City Council approved the selection of Gupta and Associates for professional services associated with the standby generator at the Water Treatment Plant and Lake Pump Station project and authorized the City Manager to execute a professional services agreement in the amount of \$652,914 for design and engineering services for the emergency generator at the Water Treatment Plant and Lake Pump Station.

On March 23, 2021, staff provided an update regarding the possibility of expediting the project and feasibility options for a temporary power generation system installation to get completed before the permanent installation.

On May 11, 2021, City Council approved the Professional Services Supplemental Agreement with Gupta and Associates for professional services associated with the modification of the scope of work and the modification of the original schedule to expedite the generator project as much as possible.

On August 10, 2021, City Council approved the construction contract for the Lake Pump Station Emergency Generator to McDonald Municipal and Industrial to provide emergency power to the Lake Pump Station.

Deadline for City Council Action

September 14, 2021

Funding Expected: Revenue Expenditure N/A

Budgeted Item: Yes No N/A

*This project is being funded with a combination of utility bond funds and utility fund balance.

Amount: \$353,406.86

1295 Form Required? Yes No

Legal Review Required: N/A Required Date Completed: 8/30/2021

Supporting documents attached:

Oncor True Cost Proposal, Facility Extension Agreement

Recommended Action

Staff recommends authorizing the City Manager to execute a Facility Extension Agreement with

Oncor Electric Delivery to provide a redundant electrical service to the Surface Water Treatment Plant in the amount of \$353,406.86.