



City of Pflugerville

Legislation Text

File #: 2022-0023, **Version:** 1

Authorizing the City Manager to execute a Change Order with McDonald Municipal and Industrial for the Surface Water Treatment Plant Emergency Generator in the amount of \$58,800 for the installation of the temporary generator at the Surface Water Treatment Plant.

As has been noted on previous City Council items, the Surface Water Treatment Plant and Lake Pump Station currently do not have backup power supply in the event of an extended power failure as was experienced from February 15, 2021 to February 17, 2021. This creates a significant risk for the City's Public Water System as the plant produces most of the water that is used within the City. Due to this risk and the need to make the City's water system more resilient in the event of an emergency, the City Council approved a professional services agreement with Gupta and Associates, Inc. on September 22, 2020 to design the emergency generator power system.

As the generator for the Surface Water Treatment Plant has a long lead time of an estimated 34 weeks from time of order, City Council approved the rental of a temporary generator for the Surface Water Treatment Plant at the December 14th City Council meeting to provide emergency power until the permanent generator can be installed.

In order to facilitate the installation of the temporary generator, we will need to install a manual transfer switch and procedures for how to transfer power if needed to the temporary generator if we lose power at the facility. After reviewing the red-line drawings to hook up the temporary generator, it was determined that the best course of action was to have McDonald Municipal and Industrial perform the work as they were already familiar with the switchgear and are already mobilized to the site.

As the temporary generators and the related installation will bring this project over the original budget, if there isn't savings in other areas to fund the difference, a future budget amendment will be needed.

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.

On September 14, 2021, City Council approved the Facility Extension Agreement to Oncor Electric to provide a redundant electrical feed to the Surface water Treatment Plant.

On September 28, 2021, City Council approved the pre-purchase of the emergency power generator and related switchgear from Cummins Southern Plains, LLC for the Surface Water Treatment Plant Standby Generator Project.

On November 30, 2021, City Council approved the construction contract for the Surface Water Treatment Plant Standby Generator project to McDonald Municipal and Industrial to provide permanent emergency power to the Surface Water Treatment Plant.

On December 14, 2021, City Council approved the lease agreement with United Rentals for a temporary generator for the Surface Water Treatment Plant.

Deadline for City Council Action

January 11, 2022

Funding Expected: Revenue Expenditure N/A

Budgeted Item: Yes No N/A

*This project is listed as Surface Water Treatment Plant Standby Generator in the Water CIP.

Amount: \$58,800

1295 Form Required? Yes No

Legal Review Required: N/A Required Date Completed: _____

Supporting documents attached:

Change Order documents, Recommendation Letter

Recommended Action

Staff recommends authorizing the City Manager to execute a Change Order with McDonald Municipal and Industrial for the Surface Water Treatment Plant Emergency Generator in the amount of \$58,800 for the installation of the temporary generator at the Surface Water Treatment Plant.