

Department: Water Utility

Contact

Type: Improvement

Useful Life

Category: Water Utility Improvement

Priority: 1-Existing Obligation (High)

Status: Active

Total Cost: \$115,000

Project #: 16-WTR-001

Project Name: Emergency Power Supply for Well #3

Description

Purchase and install a back up generator for Pumphouse #2, 7301 Bunker Lake Blvd. The generator is 150 KW 480 Volt, 3 phase 60 Hz 1800 rpm.

Justification

Currently the City has a backup generator on one well that has the ability to produce 850 gallons per minute (gpm). Our average consumption rate is 1,120 gpm. In the event of a power failure our well cannot keep pace with demand. Well #3 can produce 1,600 gpm so with both wells running we will be able to produce 2,450 gpm, thus able to keep up with demand during a long power outage.

This project includes running a natural gas service to the well house to supply fuel for the generator. The project will also include SCADA upgrades for the site.

Expenditures	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total
Improvements Other than Building Cost	115,000										115,000
Total	115,000										115,000
Funding Sources	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total
Water Utility Fund	115,000										115,000
Total	115,000										115,000