

Oso Wastewater Treatment Plant Backup Generators Design Contract

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Background

- Oso Wastewater Treatment Plant (WWTP) is the largest of the City's six wastewater treatment facilities, serving approximately 50% of the population
- The plant is only equipped with partial emergency generator capacity to sustain limited operations during power outages
- Extreme weather events, including tropical storms hurricanes, and winter freezes, often cause widespread power outages, making it difficult for staff to maintain treatment plant operations
- In February 2021, Winter Storm Uri brought prolonged freezing temperatures and statewide power grid failures; Oso WWTP was significantly impacted by the power outages
- The plant's limited emergency power system was unable to fully support the treatment system equipment, and the facility suffered operational failures that resulted in TCEQ permit violations



Project Overview

- This project will design and install backup generators at the Oso WWTP to provide a reliable emergency power supply that can be utilized during power outages to facilitate normal operations at the plant
- This project will provide operational resiliency at the Oso WWTP to support continuous treatment processes and maintain TCEQ regulatory compliance by reducing the occurrence of system failures caused by power outages



Temporary Generator Rental at the Electrical Control Room

Project Timeline

2026-2027	2027-2028	2028-2029
August - October	November - January	February - September
Design	Bid/Award	Construction

Project schedule reflects City Council award in August 2026, with anticipated construction completion by September 2029.

Staff Recommendation

Staff recommends awarding the professional services contract for the Oso WWTP Backup Generators project to Bath Engineering in an amount of \$729,489.00, with funding available from the Emergency Management Grant Fund and the Wastewater Capital Fund.

The Texas General Land Office (GLO) awarded \$8,432,420.00 to the City through the Community Development Block Grant Mitigation (CDBG-MIT) program to support the completion of this project.

