



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: May 1, 2023

Re: Appropriating funds for the repair of Gas Generator #3 and maintenance of Gas Generators #1 and #2 at the Columbia Sanitary Landfill.

Executive Summary

Staff has prepared for Council consideration an ordinance appropriating funds from Electric Retained Earnings account to the Electric Landfill Gas Other Equipment and Equipment Maintenance accounts for the repair of Landfill Gas Generator #3 which had a major failure on April 11, 2023. Work will include major maintenance of Landfill Gas Generators #1 and #2. The estimated amount to complete the repairs and maintenance to the generators is \$975,000. Funding for this project was planned for FY-24 and this action moves the project to this year.

Discussion

On April 11, 2023, staff started Landfill Gas Generator (LFG) #3 as part of normal operations. A rod failed and damaged the engine block during start up. This failure cannot be fixed, the engine block must be replaced. Typically two Landfill Gas Generators run continuously, generating energy from the Landfill gas. The third generator provides redundancy and reliability to the energy generation and operations are rotated among the three generators. It is requested to replace the engine block on LFG #3 as soon as possible. The lead time, once the equipment is ordered, is at least 19 weeks. Therefore, staff is requesting to appropriate the money now so the equipment can be ordered as soon as possible. As part of planned maintenance, the Electric Utility was proposing to do a major overhaul on LFG #3, including a block replacement, and regular overhauls on LFG#1 and LFG#2 during fiscal year 2024. Now that the other two generators are running continuously because of the failure of the third, it is recommended that maintenance work for all three generators be performed at this time while the contractor is mobilized to the site. The estimate to complete the work on all three generators is \$975,000. Staff is requesting this money be appropriated from the Electric Retained Earnings account. This money will not need to be appropriated with the fiscal year 2024 budget as a result.

Fiscal Impact

Short-Term Impact: \$975,000

Long-Term Impact: None.

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)



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Primary Impact: Reliable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
None	None

Suggested Council Action

Approval of the ordinance.