



## Agenda Memorandum

**Contact:** Clif Custer

**Subject:** Preventative Maintenance Agreement (City-Owned Generators)

**Summary:** In 2024 it became apparent that the City of Richwood lost its preventative maintenance contractor due to industry demand for new installs of backup power generators on homes and businesses. Several attempts were made to contact the contractor with no success. If the City of Richwood wishes to continue with a preventative maintenance program for city-owned generators, it will require a new PM agreement with a new contractor.

**Background Information:** The intention of preventative maintenance programs for generators is to ensure the best possible chances of resilient and operational generator units to power Richwood's water and wastewater infrastructure during intermittent power outages or disaster events. Richwood Public Works is required to perform inspections of the generators and retain documentation of those inspections, consistent with TCEQ requirements. However, inspections that Public Works performs for the generators do not contend with the generator's major functional components.

Richwood was engaged with a preventative maintenance plan for generators primarily to monitor and maintain fuel systems, cooling systems, electrical systems, and onboard computers. Without a preventative maintenance agreement in place Public Works can only perform basic maintenance and inspections while reactively addressing operational issues in the event that they occur. Preventative maintenance plans include 1 annual full maintenance service and 3 quarterly inspections of the generator units.

Since the start of Richwood's initial preventative maintenance plan in 2017/2018, the NFPA (National Fire Protection Association) and TCEQ have implemented more stringent guidelines for maintenance on generators that include fuel analysis and 2-hour load banks and ATS maintenance and inspections. Richwood received 3 separate estimates for generator

preventative maintenance plans inclusive of all services listed with load bank tests performed specifically for Richwood's diesel generators. Richwood currently owns 8 generators, 5 of which are diesel generators.

**Initial Preventative Maintenance Plan = \$7,900.00 per year**

**Power Field Services = \$24,100.00 per year**

**Worldwide Power Products = \$35,140.00 per year**

**Loftin = \$35,300.00 per year**

***Note: All current estimates for preventative maintenance plans are inclusive of an annual allowance of \$5,000.00 for incidental repairs (fuel pumps, water pumps, belts, hoses, glow plugs, spark plugs, batteries, etc.)***

**Issue:** Proceeding with current maintenance practices for generators does not offer the best chance of success for Richwood's generators to power critical infrastructure during a power loss. Repairing generators on a reactive basis could result in higher pricing than preventative maintenance plans due to nature of generator failures/repairs and contractor call-out rates.

**Fiscal Impact:** \$24,100.00 Annually

**Recommendation:** Motion to enter into an agreement with Power Field Services for preventative maintenance of Richwood's backup power generators in the amount of \$24,100.00