



# AGENDA MEMORANDUM

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**DATE:** February 10, 2026

**TO:** Forest Preserve District Full Commission

**FROM:** David Petschke, Chief Financial and Administrative Officer

**SUBJECT:** Presentation and Approval of an Emergency Expense for the Replacement of the Irrigation Pump Station at Hughes Creek Golf Course

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**PURPOSE:**

The purpose of this memorandum is to provide information for the Committee's consideration and approval of an emergency purchase to replace the irrigation pump station at Hughes Creek Golf Course due to ongoing safety concerns, system failure risks, and performance inefficiencies.

**BACKGROUND:**

The District currently operates Hughes Creek Golf Course under a golf management agreement with Landscapes Golf Management, Inc. (LGM). Under this agreement, LGM is authorized to utilize District funds for operational needs, capital maintenance and replacement, and safety management to support the long-term success of golf operations.

At the conclusion of the 2025 golf season, LGM notified District staff that the existing irrigation pump station was experiencing intermittent malfunctions. Initial observations suggested the issue may have been related to pond conditions, including increased pressure and reduced water flow to the pump system. However, due to concerns regarding the age, condition, and overall reliability of the equipment, LGM recommended an independent evaluation of the pump station.

LGM engaged Nuco Pump Sales and Service of Parkville, Missouri, to conduct a comprehensive inspection and assessment of the existing irrigation pump station. The inspection revealed significant deterioration of the system. Visible rust and corrosion were observed on the exterior of the skid and piping, while internal inspection identified pinhole leaks and structural damage. These conditions are believed to be the result of deferred maintenance under the District's prior management company and are sufficient to deem the system irreparable.

In addition, the existing pump operates strictly in an on/off configuration, providing no ability to control pressure, relieve system stress, or manage pressure buildup. This condition increases the likelihood of irrigation head failures and internal damage to both the irrigation and pump systems. Of particular concern, the discharge header piping has been identified as a potential safety hazard. A failure of this pipe due to excessive pressure could result in serious injury or liability if personnel are present in the pump house at the time of a rupture. Further compounding the issue, the current flow meter is improperly located, resulting in inaccurate readings that cause inefficient pump activation and deactivation.

Based on their findings, Nuco Pump Sales and Service provided a proposal for a full replacement irrigation pump station designed to significantly improve efficiency, safety and system reliability. Nuco estimates the new pump station will reduce electrical consumption by approximately 20 percent or more compared to the existing system.

The proposed pump station addresses all deficiencies identified in the assessment and includes the following enhancements:

- Epoxy coating on all internal and external piping and pump station components to prevent corrosion
- Mechanical seals to eliminate water leakage
- Variable Frequency Drive (VFD) vertical turbine pumps to maintain consistent system pressure and reduce mechanical stress
- Properly placed flow metering for accurate system monitoring and operation
- Remote monitoring and alarm notification capabilities that alert LGM staff, Nuco service technicians, and factory support teams of any system faults or failures

The estimated conservative lifespan of the new pump station is 15 to 20 years.

LGM has extensive experience with similar systems and vendors, and has expressed confidence in Nuco Pump Sales and Service as the most reliable provider for this project. The proposal includes a full-service warranty agreement and remote monitoring for a period of four years. Due to LGM's established professional relationship with Nuco, the District's project will be prioritized with an estimated lead time of 10 to 12 weeks for installation.

**FINANCIAL IMPACT:**

This capital replacement was not anticipated in the current LGM fiscal year budget. However, sufficient savings are available within the Construction and Development Fund from other completed projects to cover the total unanticipated cost of \$233,040.00.

Current savings available:

<b>Project Name</b>	<b>Project #</b>	<b>Savings Available</b>
Settler's Hill Golf Course Improvements	30323	\$ 174,600.66
Settler's Hill Golf Course Clubhouse Engineering/Design	31009	\$ 41,217.93
Settler's Hill HVAC Replacement	60002	\$ 9,068.00
Structure & Material Removal	10804	\$ 8,153.41
		\$ 233,040.00

**RECOMMENDATION:**

District staff recommend the approval to proceed with the emergency purchase of the Nuco Pump Vertical Turbine VFD Pump Station through Nuco Pump Sales and Service. The total equipment cost of the system is \$233,040.00, which includes full warranty service agreement and remote monitoring for four (4) years.

**ATTACHMENTS:**

*Hughes Creek Pump Station Assessment*