



CITY OF NOVI CITY COUNCIL
APRIL 7, 2025

SUBJECT: Approval to purchase a new remote monitoring irrigation controller through Michigan Automatic Sprinkler in the amount of \$32,000, and amend the budget.

SUBMITTING DEPARTMENT: Integrated Solutions – Parks & Municipal Grounds Maintenance (P&MGM)

KEY HIGHLIGHTS:

- Remote monitoring and water usage data for Bosco Fields irrigation system.
- Aids in water conservation efforts.
- Funds reimbursed through equipment rebates via the Energy Efficiency and Conservation Block Grant (EECBG).

FINANCIAL IMPACT

General Fund	FY 25/26	Total
EXPENDITURE REQUIRED	\$ 32,000	\$ 33,000
BUDGET		
1. EECBG CEMS State Revenue Grant 101-000.00-540.100	\$32,000	\$ 32,000
2. Bosco Irrigation Controller (Expense) 101-265.10-982.084	\$32,000	\$ 32,000
APPROPRIATION REQUIRED	\$ 0	\$ 0
FUND BALANCE IMPACT	\$ 0	\$ 0
• \$500 annual cost for remote monitoring through cellular connection service. The \$500 will be absorbed in the annual budget. No effect on fund balance.		

BACKGROUND INFORMATION:

The current irrigation controller at Bosco Fields was installed as part of the property's development in 2020. This controller is the central point of irrigation operation for the park's soccer fields and surrounding areas. The current system offers basic controls but lacks remote monitoring, water scheduling, and data on water usage. City Staff must be on-site to monitor watering progress and manually control irrigation with the current system. Proper scheduling and remote monitoring with this new controller enable City Staff to determine the appropriate times to water and monitor the system while performing other functions. Installing flow sensors as part of this project will provide maintenance staff with valuable data on water usage. This data will help determine if water is being wasted, when to reduce watering, and how much water is used throughout the season.

This request is for the installation of a new controller, 48 decoders, 10 surge devices, flow sensors, and remote monitoring at Bosco Fields. This controller will match the recently installed irrigation controller at the Civic Center, which allows for remote access and tracking across all zones. An annual fee of \$500 for the air card service will be re-occurring. The upfront costs, except for the yearly \$500 connection service fee, will be reimbursed through equipment rebates provided by the Energy Efficiency and Conservation Block Grant.

RECOMMENDED ACTION: Approval to purchase a new remote monitoring irrigation controller for Bosco Fields through Michigan Automatic Sprinkler in the amount of \$32,000, and amend the budget.