



## Agenda Item Summary

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**File #:** RES 19-110, **Version:** 1

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### **Submitted By**

John P. Wielebnicki, Public Works Director

### **Reviewed By**

LKS

### **Agenda Item Title**

**A Resolution Approving an Independent Contractor Agreement with Siemens Industry, Inc. for Upgrading the Building Automation System for the Public Works Center Heating Ventilating and Air Conditioning System in an Amount Not to Exceed \$35,000.00 and Authorizing its Execution**

### **Overview**

A Building Automation System is used for controlling the Public Works Center's Heating Ventilating and Air Conditioning system (HVAC). Since the building controls are from Siemens Industry, Inc. the compatible Building Automation System would also be from their company. This item is for upgrading the existing system with the current version of the Siemens software.

### **Staff Recommendation**

Approve the Resolution.

### **Fiscal Impact**

\$35,000.00 for upgrading the Public Works Center Building Automation System is included in the FY2019 CIP Building Improvement Fund Budget in account no. 3012-43790-101-540673.

### **Background**

A Building Automation System is a computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems.

Siemens is the proprietary vendor for the Public Works Center Building Automation System. The current computer and software program is original to the building from 2007 and has reached the end of its useful service life. The Building Automation System will no longer be supported by Siemens after 2019.

The entire HVAC system at the Public Works Center is controlled by the Siemens automation software. There are numerous physical points throughout the building that are connected back to the Building Automation System computer in the mechanical room. These points are all controlled digitally by the Building Automation System. The full scope of work associated with the Building Automation System upgrade is attached.

Staff is also pursuing a grant for this work from ComEd. The ComEd Energy Efficiency Program offers incentives

to offset costs associated with various building HVAC components in terms of upgrades or replacements. An application was submitted to ComEd to be considered for an incentive. Although an exact amount of the potential incentive was not provided by ComEd, the ComEd representative working with staff has stated that the Village's application was received and reviewed and the estimated incentive is forthcoming.

#### **Alternatives**

The Village could have solicited proposals from other Building Automation System companies to install an entirely new system, however, the costs associated with removing all existing physical points and digital controls throughout the entire Public Works Center would be significantly higher than retaining the existing framework and upgrading the software.

#### **Previous Board Action**

None.

#### **Citizen Advisory Commission Action**

N/A.

#### **Anticipated Future Actions/Commitments**

It is anticipated that the Building Automation System upgrade would be utilized for approximately ten years before another upgrade is required.

#### **Intergovernmental Cooperation Opportunities**

N/A.

#### **Performance Management (MAP) Alignment**

This work is in alignment with the Governance Priority established for the Public Works Department for Infrastructure/Capital Programs.