



Legislation Details (With Text)

File #: 2021-0096 **Version:** 0 **Name:** Sensus Lighting Cancellation
Type: MOTION **Status:** PASSED
File created: 2/2/2021 **In control:** Board of Trustees
On agenda: 2/15/2021 **Final action:** 2/15/2021
Title: Sensus Lighting Cancellation

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
2/15/2021	0	Board of Trustees		
2/15/2021	0	Public Works Department	INTRODUCED TO BOARD	

Title/Name/Summary

Sensus Lighting Cancellation

History

As a part of the Village's dedication to continuously become more energy efficient, the Board of Trustees approved an additional energy savings project in August of 2019 which followed behind the 2018 project of converting the residential high pressure sodium street lights to highly efficient LED street lights. This additional step was to invest in a five-year program to add a smart light component to each street light which allowed it to be remotely controlled so that a light could be dimmed, flashed, and monitored for outages. The minimum monitoring period was 10 years.

The August 2019 resolution authorized installing 3,800 smart nodes using in-house staff at a material cost of \$372,400 plus an additional \$106,168 which consisted of a one-time setup fee plus annual monitoring fees over a 10-year period. Energy savings in the form of ComEd rebates from the 2018 LED conversion project were to be reinvested to partially pay for this project. The purchase was through Core & Main of Mokena, Illinois.

In 2019 and 2020, the first 850 smart nodes were received and 280 have been installed to date. The cost for 850 nodes was \$83,300. The initial \$4,500 setup fee was also assessed which included training provided by Sensus for staff on October 29, 2020.

Public Work's staff has reviewed this project and recommends discontinuing the purchase of the nodes and monitoring service. This recommendation is based on there being no practical need for dimming and flashing street lights. In addition, new installed LED street lights come with a 10-year warranty and perform at a higher rate than traditional non-LED lights; therefore staff does not project many street lights to fail over the next 7-9 years. With the upcoming implementation of the OP311 (Citizen Portal), residents can report any issue with a street light and staff will respond accordingly.

As such, staff recommends to discontinuing with the Sensus Lighting program.

Financial Impact

The cost savings of not installing the remaining nodes over the next 4 years totals \$297,920. The cost savings of discontinuing the monitoring over the next 9 years totals \$92,798. There will be a small restocking fee of 1320 nodes not installed in 2020/2021.

Recommended Action/Motion

I move to approve the cancellation of the contract with Core & Main of Mokena, Illinois, for an estimated total cost savings of \$390,718.