



## Agenda Item Summary

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### **Submitted By**

John P. Wielebnicki, Director of Public Works

### **Agenda Item Title**

**Motion to Concur with the Public Works Director's Recommendation to Create a Pilot Streetlighting Program and Direct Staff to Prepare the Necessary Documents**

### **Overview**

The purpose of this item is to provide an overview of the Village's streetlighting system and to outline possible modifications to the residential streetlighting system.

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

The Village Board may wish to develop a pilot program to determine the best course of action to modify the residential streetlighting system.

### **Report**

The last Village wide streetlighting system improvement project was completed in the early/mid 1970's. There are over 6,000 street and alley lights in the system. Of that amount approximately 2,500 street lights are considered residential lights. These lights are post top mount fixtures on a 15 foot tall concrete pole. The typical fixture is a 100 watt mercury vapor lamp. They primarily exist on the north/south residential streets.

Until approximately 2004, all Village streetlights were changed every four years. This program was stopped due to budgetary issues.

The attached Residential Streetlighting System Matrix shows four options that could be considered to modify the 2,500 residential streetlights.

All of the options would result in the same light output as putting a new lamp in the existing 100 watt light fixtures. The LED lamps would also result in a 50%-70% energy savings.

Included as attachments is a picture of the existing 100 watt mercury vapor lamp fixture, Option 2 which showing that it looks like the existing fixture, the "Corn cob" insert that goes in Option 2 and a picture of Option 3.

Staff recommendation would be to consider option 2 in a pilot area to determine its acceptance.

Regarding alley lighting there are approximately 1,000 lights in the Village system. There are generally two lights in the north/south alleys. Some alleys have three lights. These lights are similar to the streetlights in terms of the existing lamps. They are 100 watt mercury vapor lamps that will dim over time. An option to

change them out to LED would cost approximately \$350 per fixture or \$350,000 total. Adding an additional light in an alley costs approximately \$550 per fixture. See attached picture.

**Alternatives**

The Village Board may request staff to create a pilot program of the options or request additional information.