



### OVERVIEW

The City of Bluefield, West Virginia Public Works was seeking an energy solution partner to completely retrofit existing lighting in their main Public Works Building, as it was high-wattage, high-maintenance and an inefficient expenditure of funds. The Public Works staff further sought to reduce their energy and maintenance costs, while simultaneously improving aesthetic appeal, enhancing illumination, and increasing safety and security for staff.

### CHALLENGE

- Cut energy consumption by 60%
- Cut maintenance expense by 75%



### SOLUTION

- Complete LED retrofit or replacement of all lighting in the interior common spaces, facility exterior and parking lot
- Install dynamic controls to manage the lighting levels throughout the day to save energy and highlight space when needed

### RESULT

- Energy consumption reduced by 65%
- Maintenance expense reduced by 95%
- Dramatically improved illumination of interior areas in order to enhance the beauty of all the details present and create a warm and inviting environment

## The Helios Energy Impact

Increased safety  
and morale

10-year energy  
savings –  
**\$71,980**

10-year  
maintenance  
savings –  
**\$26,980**

Total montly  
savings –  
**\$611**

Total 10-year  
savings –  
**\$98,960**

**118,113.4 lbs.** reduction in CO2!  
Equivalent to removing **11.4** cars  
from the road a year, or not  
burning **6,948** gallons of gas!