



COLUMBUS, MS City-Wide LED Streetlight Conversion



PROBLEM

Columbus, MS, its City Council and tenured City Mayor (Robert Smith) engaged PATH to uncover potential efficiency opportunities within the city's existing infrastructure during a time when budget savings were greatly needed. Mayor Smith also wanted to find a way to add concrete value and differentiate the City of Columbus from the remainder of the Golden Triangle & other municipalities within the State of Mississippi.



SOLUTION

PATH analyzed, audited and designed a wholesale LED streetlight conversion program that included comprehensive upgrades to the city's streetlighting infrastructure and noticeable consistency through standardized design practices. The energy efficient streetlights installed by PATH generated substantial savings for Columbus and created the opportunity to not only pay for the project, but also put over \$100K back into the city's annual coffers. Columbus is the first municipality in the state of Mississippi to perform a city-wide LED streetlight conversion project.



PROJECT DETAILS

- 4,276 existing streetlights
- 237 of 4,276 converted to LED prior to project by utility

Investment Grade Audit

- Inventoried existing streetlights
- Documented over 25 attributes on each streetlight (height, wattage, etc.)
- Developed Google Maps view of existing infrastructure
- Professionally designed and mapped a new LED infrastructure with manageable SKU counts & numbered inventory for easier maintenance



FINANCIAL DETAILS

- Columbus, MS pre-project annual streetlight budget: \$515,658
- Columbus, MS post-project annual streetlight budget: \$119,047
- Annual streetlight budget savings (including project cost): **\$120,525!**
- City now has complete ownership of streetlight arm & fixture - 10 year parts warranty

