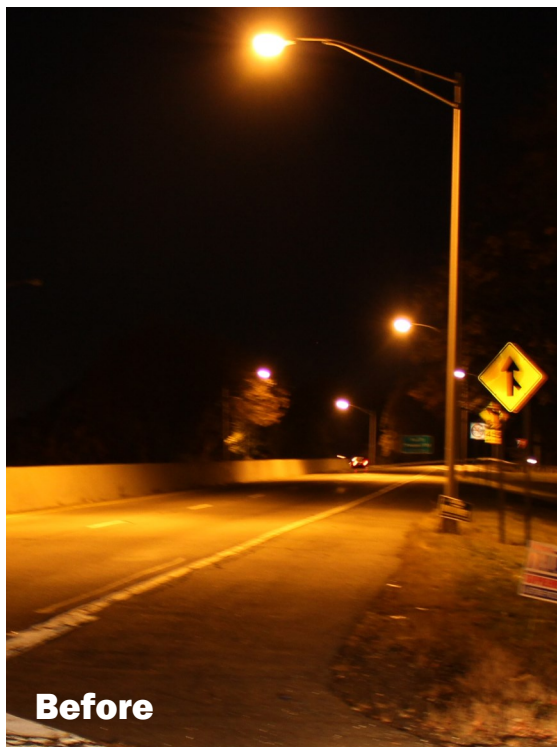


Street Light Upgrades Performance Contract

City of Poughkeepsie
Poughkeepsie, NY



PROJECT COST
\$4,446,810

TYPE OF CONTRACT
Guaranteed Savings

ANNUAL SAVINGS
\$453,104

SERVICES
Master Plan
Design
Construction
Auditing
LED Fixture Selection
Construction Cost
Estimating
Estimated Buy Back Costs
From Utility
Energy Savings Calculations
Cashflow Analysis

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Wendel was retained by the City of Poughkeepsie to implement a city-wide retrofit of street lighting and traffic signals with LED technology. The city had a street lighting inventory of approximately 3,383 fixtures made up of mostly high pressure sodium, metal halide and mercury vapor lighting fixtures. The city also maintains an inventory of traffic and pedestrian signals of approximately 94 intersections. The traffic signals were a combination of incandescent and LED lamps for red, yellow and green lights, as well as pedestrian signals.

Phase I of the project, which began in 2014, consisted of converting city owned street lights to LED, meter installation of traffic signals at intersections, and assisting the city with the purchase of street light infrastructure owned by Central Hudson. During this process prototype LED fixtures were installed for resident input and to assess functionality. Traffic and pedestrian signals that were incandescent were also converted to LED.

Phase II of the project—converting all remaining fixtures to LED technology—began in 2016 after the Public Service Commission approved the sale of Central Hudson-owned fixtures to the City. Construction of these retrofits was substantially completed in the summer of 2017.

Wendel managed all aspects of the program and hosted a Geographic Information System (GIS) portal that communicated the status of the project to the public throughout the project.

Annual Environmental Savings from Electric Use Reduction
1,267,701 lbs of CO₂

