



**Owner**  
City of Woonsocket

**Contractor**  
ADI Energy

**Contract**  
\$55,000

**Contract Type**  
Lighting Retrofit

**Locations**  
City of Woonsocket, RI

In partnership with ADI Energy, Facility Solutions Group retrofitted streetlights in Woonsocket, Rhode Island.

## CHALLENGE

The city of Woonsocket, located in Providence County, Rhode Island, desired to retrofit their existing city streetlights with new, energy efficient technology. As a lighting expert with background in both lighting retrofits and public infrastructure projects, Facility Solutions Group stepped to the plate to perform this undertaking.

## SOLUTION

The existing lighting for Woonsocket's streets was aging and inefficient. FSG demonstrated new, energy efficient LED technology to the town decision makers. With approval from the town, and in partnership with general contractor ADI Energy, FSG retrofitted 175W metal halide and 150W high-pressure sodium fixtures with 40W LED fixtures. Some 160 metal halide lights were replaced, while 56 high-pressure sodium lights were upgraded. This retrofit resulted in an energy reduction of 75%. In addition to the reduction in energy usage, LED lights are also cost effective due to their significantly longer usable lives, and that was apparent in this application. The metal halide lamps that the town had been using had usable lives of only 10,000 hours, while the high-pressure sodium fixtures topped out at 24,000 hours. By comparison, the new LED fixtures will have a usable life of 50,000 hours.

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