

## CASE STUDY:

# CITY OF PORTLAND, MAINE

## LED STREET LIGHTING UPGRADE AND SMART CITIES PROJECT



### PROJECT SNAPSHOT

The City of Portland, ME selected TEN via a highly competitive procurement process. The goals of the project:

- + Buy the city's streetlights from the local utility
- + Upgrade all street lights and pedestrian lights to highly-efficient LED fixtures
- + Reduce outages (and improve lighting quality) in every neighborhood in the City
- + Implement high-impact Smart Cities technologies (safety, quality of life, new services for residents)

### TECHNICAL COMPONENTS

- Upgrade over 6,000 streetlights to high efficiency LED fixtures
- Upgrade ~700 historically-significant decorative fixtures
- Design and install a lighting control system to provide state of the art capabilities now and for the future
- Deliver a detailed, continuously-updated inventory of new assets, integrated into the City's GIS system
- Manage all aspects of the project including engineering, procurement, construction and rebate application and administration

### CUSTOMER PROFILE

Portland is the largest city in Maine - almost 500,000 residents call the greater Portland area home - with a rich history that dates back to the birth of our nation.

Portland has a thriving economy with an active port, a great workforce, and amazing recreational opportunities for residents and visitors alike.

### PROJECT RESULTS

## \$8 MILLION

project cost, including ~\$1.5 million in Smart Cities technologies

## OVER \$1 MILLION

in guaranteed utility savings

## OVER \$100,000

in positive cash-flow contributions to the City's operating budget

### Energy Efficiency

Reduction in over 3,000,000 kWh of electricity used annually

### Environmental Benefits

2,200 tons of CO2 reductions annually

### CONTACT

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