

Smart LED Street Lighting Solutions



Save Energy Costs with LED Street Lights

When selecting a partner for your lighting project, experience counts. With more than 500,000 LED street lights installed or contracted, Ameresco is the largest non-utility purchaser of LED street lights in the United States¹. We have helped customers across North America convert more than a half million street lights to LED technology and turn old lights into new savings.

Ameresco is not just another lighting vendor. We have an expansive network of best-in-class technology, integration, and data analytics partners. We expertly manage complex projects, in cities and campuses, to deliver measurable results for our clients. As a vendor-neutral provider, Ameresco delivers customized solutions for every project including technology objectively selected to fit each environment and set of client needs.



LED Street Light Project Services

- **Inventory Audit:** Our audits capture both street light and pole characteristics as well as pole spacing and placement, roadway classification, lane configuration, and other lighting application data such as average daily traffic and historic accident data. Ameresco also offers street lighting condition assessments and reconciliation of inventory and billing data.
- **Design Process:** Ameresco's best-in-class GIS-based design process maximizes energy savings and minimizes glare and light trespass. Using audit data, we identify common and critical lighting applications and develop luminaire specifications to ensure your illumination levels are achieved with the lowest possible energy consumption.
- **Light Fixture Selection:** We will evaluate options from a variety of vendors using photometric and lifecycle cost analysis. If desired, we can also compare the relative energy consumption of different color temperature options, and ensure that Dark Sky compliance is achieved.
- **Local Incentives and Rebates:** Ameresco has extensive experience identifying and capturing utility incentives and rebates (over \$35M for the Chicago Smart Lighting Project alone, for example) as well as grants from local, state, and federal government, and other sources. We complete rebate applications, conduct pre- and post-construction site visits with inspectors, and respond to inquiries from utility company staff regarding savings calculations.
- **Community Outreach:** Before, during, and after the project, Ameresco can provide community outreach to showcase how your LED street light conversion addresses your commitment to safety and sustainability.

Benefits of LEDs & Smart Lighting Controls

Smart, connected lighting systems monitor for outages and streamline lighting management. We have installed smart controls on more than 60% of the LED street lights we've installed to date. Smart lighting systems provide a foundation for additional Smart City applications, from parking to waste management.

LED technology and smart lighting controls revolutionize street lighting by delivering a safer streetscape while modernizing and reducing the costs of lighting, one of the largest areas of energy consumption for most cities. According to the DOE, widespread use of LEDs in the U.S. by 2027 could equate to more than \$30 billion in energy savings. Communities can embrace the efficiency, financial, and quality of life benefits of an LED upgrade.

Financial

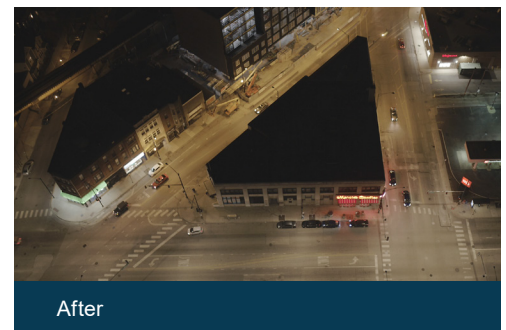
- Reduce energy costs and consumption up to 75%
- Save up to 80% on long term maintenance costs
- Reduce incoming 311 calls with smart lighting controls

Efficiency

- Improve service delivery with lighting management system
- Proactive maintenance with real-time monitoring
- Reduce CO₂ emissions from energy use and maintenance truck rolls

Quality of Life

- Improve community safety and security
- Enhance infrastructure reliability
- Improve streetscape and driver visibility
- Adjust light levels to meet visibility needs
- Reduce light pollution



¹ Northeast Group, LLC: *United States LED and Smart Street Lighting: Market Forecast (2018 – 2027) Public Outdoor Lighting Market, Volume II, September 2018*

AMERESCO 

Founded in 2000, Ameresco, Inc. (NYSE:AMRC) is a leading independent provider of comprehensive services, energy efficiency, infrastructure upgrades, asset sustainability, and renewable energy solutions for businesses and organizations throughout North America and Europe.

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs. For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.