



CITY OF ANCHORAGE

Anchorage, AK

The City of Anchorage goes green and replaces high-pressure sodium fixtures with Cree Lighting's LEDway® streetlights to save energy and costs.



ANCHORAGE GOES GREEN WITH LED

Opportunity

The Alaskan mountains are covered in white, but the streets of Anchorage are turning green from the City's energy-saving initiative. The first city to embrace LED technology on a large scale, Anchorage will replace 16,000 streetlights - roughly one-quarter of the 150-watt high-pressure sodium (HPS) streetlights - with LEDway® luminaires. The installation will roll out in several phases starting with 4,200 streetlights at the intersection of Aero and Northern Lights Boulevard.

Solution

By retrofitting the streetlights to LEDway®, the City of Anchorage will consume 50 percent less energy over the traditional HPS lamps. The energy reduction equates to saving the City and its citizens approximately \$360,000 per year. In addition, with more than 100,000 hours of delivered lumens, no relamping, replacement or labor costs, the City will gain additional savings through significantly reduced maintenance costs.

"We have studied new lighting technology extensively over the past several months to validate energy and maintenance costs savings," said Mark Begich, U.S. Senator and former Mayor of Anchorage. "We also conducted a public survey that showed our residents overwhelmingly approve of the new white LED lighting."

Benefits

In addition to the energy and cost savings, visibility for vehicular and pedestrian traffic is dramatically improved through the use of patented NanoOptic® technology. NanoOptic® technology layers light into the desired target zone for superior uniformity and control - increasing safety on the streets.

The integrated backlight control helps preserve the uniqueness of Alaska's night sky and complies with Dark Sky and Illuminating Engineering Society of North America (IESNA) standards. "This initiative will not only result in lower energy bills, but will contribute to the preservation of our unique Alaskan ecologies," said Begich.

By leading the way with LED technology and its benefits, the City of Anchorage is setting new standards for other municipalities to follow helping reduce the impact on the environment.

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Mark Begich | U.S. Senator and former Mayor of Anchorage

Visit creelighting.com or contact a Cree Lighting representative to learn more.

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