



National Grid

Location

Niagara River Crossing, Niagara Falls, NY

Objective

Customer required power solution to mark catenary river crossing, where access to power was very expensive due to roads and wide river span.

Solution

Northern Reliability designed FAA certified aircraft obstruction lighting system, resulting in considerable cost savings for the customer

High Reliability Beacon Systems Powered by the Sun

For tower, airfield and general obstruction lighting needs in locations where access to commercial power is challenging, Northern Reliability has your complete FAA compliant solution. Our SOLS series products use photovoltaic (PV) panels to provide day and night lighting when site or “grid” power is unavailable, unreliable, or prohibitively expensive. The energy captured by the PV panels is stored in a battery bank, providing continuous power during times of low sunlight.

Northern Reliability’s Solar Obstruction Lighting Systems (SOLS Series) incorporate:

- Self-monitoring beacon that operates from photocell commands, in accordance with customizable programming regime
- Interconnected customer SCADA network for real-time smart monitoring, ensuring the efficiency and optimum performance of the system 24/7
- Minimal maintenance requirements over long service life
- Rugged design, built to perform in the harshest of climates
- Intelligent controls that protect system by managing components and adjusting to various environmental conditions
- Ground or tower mounting systems, customized for the application

Experience You Can Rely On

Northern Reliability’s experienced team of engineers and field service personnel have designed and installed SOLS systems for use throughout the world, making our product a proven power solution for a wide range of applications and climatic conditions. Our FAA compliant systems offer a variety of features to ensure maximum reliability such as a 7-day autonomy standard for all systems, 12-15 year battery life, remote monitoring capabilities and a rugged enclosure suitable for any environment.



“Northern Reliability’s obstruction lighting and power solutions were integral to our project. We had challenging deadlines and site limitations, and their highly skilled team worked closely with us to help meet our goals.”

- Randy Koncelik, Sr. Project Manager, PSE&G

Public Service Electric & Gas

Location

Susquehanna-Roseland Line, NJ

Objective

PSE&G required obstruction safety lighting for utility towers along 45 miles of new 500,000 volt transmission line.

Solution

Northern Reliability designed and built twenty-six SOLS systems, with custom engineered solar arrays and power equipment mounting structures for both pole and lattice towers.



Applications

Met Towers

Transmission Towers

Catenary Spans

Communications Towers

Wind Turbines

Bridges

Airport Towers

Airstrip Obstructions