

DOVER, NEW HAMPSHIRE, UNITED STATES • 2017

Dover: taking back control of a utility-owned lighting bill

Dover's street lighting was owned and operated by a public utility, which meant the City had no visibility into consumption and no data to negotiate its own lighting bill. Converting 1,781 fixtures to LED with Dimonoff's wireless control system changed both.



1,781

HIGH-PRESSURE SODIUM STREETLIGHTS CONVERTED TO NETWORKED LED ➔ ([HTTPS://WWW.DIMONOFF.COM/WP-CONTENT/UPLOADS/2020/07/CASE-STUDY_DOVER_EN.PDF](https://www.dimonoff.com/wp-content/uploads/2020/07/CASE-STUDY_DOVER_EN.PDF))

The situation

Dover's street lighting was owned and operated by a public utility rather than the City itself, a common arrangement that usually means the City pays a flat lighting tariff with no meter, no consumption data and no way to prove where savings could come from. Before the project, the City could not answer a basic question: what would it cost, and what would it save, to convert the network.

What was deployed

Working with Affinity LED Lighting, Dover converted 1,781 high-pressure sodium streetlights to high-performance LED, each fitted with a Dimonoff wireless node for real-time status and remote control. The change gave the City something it had never had on utility-owned lighting: its own data on every fixture's status and consumption, independent of the utility's billing.

Why it matters for your network

Dover is the utility-owned-lighting case: a City that did not control its own asset on paper, but still needed the visibility to negotiate with the utility that did. Owning the data, even when you do not own the pole, is what turns a fixed tariff into a negotiation backed by evidence.

DEPLOYMENT

Conversion	HPS to high-performance LED, 1,781 fixtures
Control	Dimonoff wireless nodes, real-time monitoring and remote control
Ownership model	Utility-owned lighting, City-directed conversion

PARTNERS

- Affinity LED Lighting

SOURCES

- [Dimonoff - Smart Streetlight Control Project for the City of Dover \(case study PDF\)](https://www.dimonoff.com/wp-content/uploads/2020/07/Case-Study_Dover_EN.pdf) (https://www.dimonoff.com/wp-content/uploads/2020/07/Case-Study_Dover_EN.pdf)
- [Dimonoff - City of Dover](https://www.dimonoff.com/resources/case-studies/city-of-dover/) (<https://www.dimonoff.com/resources/case-studies/city-of-dover/>)