DOVER
New Hampshire, USA

BUSINESS ANALYSIS

In the town of Dover, New Hampshire, lighting was owned and operated by a public utility. The problem was that the city had no control over the energy consumption of the street lighting fixtures and no data to reduce its lighting bills. The city, therefore, decided to invest in the replacement of 1781 street lamps with LED lighting equipped with Dimonoff's Intelligent Control System, to gain more control over their lighting, consumption, and maintenance.

The objectives of the project are:

- Have more control over their public lighting network
- Reduce energy and maintenance costs
- Have a precise and constant monitoring of the state of their lighting fixtures and their energy consumption

WHAT HAS BEEN DONE ?

The City of Dover decided to convert its conventional street lighting (HPS) network lights to LED lamps controlled by the Dimonoff's intelligent wireless system. The fact that they now have control over their lighting and have real-time informations on the status of their fixtures and their consumptions allows the city to account for lower energy bills to the public utility. This solution also allows the city to establish specific lighting scenarios according to its needs per street or neighbourhood and therefore allows more security and well-being for its citizens. Monitoring the condition of the electrical units makes it possible to optimize maintenance and thus further reduce their costs.

PRINCIPAL ADVANTAGES

- The city now has a real knowledge of the status of its luminaires and optimized maintenance
- The mayor has more leverage to negotiate the public interest
- The city is making substantial energy savings
- The city is making significant savings in cost maintenance
- A reduction in GHGs thanks to lower energy consumption and optimized maintenance

RESULTS

200,000 kWh

ENERGY SAVINGS ON THE FIRST SIX MONTHS

$39,400

ENERGY SAVINGS ON THE FIRST SIX MONTHS

52,200 kT $C0_2$

GHG REDUCTION

DIMONOFF Lighting

dimonoff.com
1 (418) 682-3636
Info: sales@dimonoff.com