More than 450 NXT series luminaires were installed throughout the village of New Minas (Pop 5,135) in Kings County, Nova Scotia, Canada. The photo above depicts nine NXT-24S luminaires installed on Country Club Boulevard. This conversion is also noteworthy as it was LRL’s first municipality-wide conversion using NXT luminaires. The new fixtures provide uniform light with no “uplight”. In addition to improved illumination, the installation yielded energy savings of 65% versus the original installation.

**LOCATION:**
New Minas, Nova Scotia, Canada

**PROJECT SCOPE:**
Municipality wide conversion to LED luminaires

**PRODUCT:**
NXT series luminaires (NXT-M and NXT-S)
NXT™ SERIES vs. HIGH PRESSURE SODIUM & MERCURY VAPOR
NEW MINAS, NOVA SCOTIA, CANADA

NXT SERIES BENEFITS
NXT Series luminaires are designed to allow for future, tool-less upgrades of key components (light engine and power supply). For example, light engines are easily replaced in the field to take advantage of future improvements in LED efficiency.

* Asset Payback is based on capital payback of replacing 80W and 125W mercury vapor luminaires. Year 1 estimates are based on the full conversion. Re-lamp cost of $100 per luminaire. Re-lamp schedule is 4 years. Energy cost $0.275 per kWh. Annual energy cost increase rate (multiplier) is 2%. Length of study (20 years). Daily on-time (12 hrs/day).

+ Assumes that the tonnes of CO2 produced per MWh of energy is Equivalent in Aruba to the US.

4.4* Years Asset Payback

Total Lifecycle Cost Savings (20 Years) $868,009

Energy Savings (1 Year) $35,764
(171.5 MWh)*

Energy Savings (20 Years) $599,239
(3,430 MWh)

Maintenance Savings (1 Year) $13,413

Maintenance Savings (20 Years) $268,275

Greenhouse Gas Reduction (20 Years)
2,477 Tonnes*

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