



**Written submission from
LED Roadway Lighting Ltd**

**Mémoire de
LED Roadway Lighting Ltd**

In the Matter of the

À l'égard de la

**New Brunswick Power Corporation,
Point Lepreau Nuclear Generating Station**

**Société d'Énergie du Nouveau-Brunswick,
centrale nucléaire de Point Lepreau**

Application for the renewal of NB Power's
licence for the Point Lepreau Nuclear
Generating Station

Demande de renouvellement du permis
d'Énergie NB pour la centrale nucléaire de
Point Lepreau

**Commission Public Hearing
Part 2**

**Audience publique de la Commission
Partie 2**

May 11 and 12, 2022

11 et 12 mai 2022

March 12, 2022

Commission Registry
Canadian Nuclear Safety Commission
280 Slater Street, P.O. Box 1046, Station B
Ottawa, ON, K1P 5S9
Email: interventions@cnsccsn.gc.ca

RE: 2022 - Point Lepreau Nuclear Generating Station License Renewal

Dear Madame or Sir,

My name is Charles Cartmill. I am President, CEO & Founder of LED Roadway Lighting Ltd a global manufacturer of LED Roadway Lighting, Lighting Controls & Liveable Cities Sensors with a 55,000 sq ft plant located in Amherst NS, a Head office in Halifax & a design office in Victoria BC.

I am writing to express my strong support for the 25-year licence renewal application of NB Power for their Point Lepreau Nuclear Generating Station (PLNGS). The station is operated safely and Point Lepreau staff are equally as committed to the safety of the public and the environment - Point Lepreau's safety record speaks for itself.

With today's focus on clean energy generation, the contribution of Point Lepreau to the grid plays a critical role in the world's effort to address climate change.

Our LED Street lights reduce energy consumption by 60% with associated green house gas reductions and additional peak avoidance benefits.

NB Power has been an important strategic business partner for 12 years having placed with us our first substantial Utility large order for conversion of their 100,000 plus street & yard light inventory which help launch our business which now exports to 65 countries and has employed up to 270 people.

Throughout our relationship, the NB Power management team has exhibited the utmost concern for quality, continuous improvement & professional management.

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NB Power has displayed outstanding relationships with their Municipal clients and will soon assist them in reducing even more of their CO2 emissions through the introduction of traffic management sensor systems located on their streetlights as well as environmental sensors to measure particulate matter & noise sensors.

It gives us immense pride to be working with NB Power to develop and introduce world leading innovative technology as per the attached slide.

SMARTLINX – CONNECTED DEVICES




SLX-NODE
LIGHTING CONTROL

- CONTROLS LIGHTING
- ENERGY BILLING



SLX-BASE
LIGHTING CONTROL

- SENSOR READY
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-ADAPT
LIGHTING CONTROL

- MOTION LIGHTING
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-SPEED
MICRO-SENSOR

- SPEED MONITOR
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-AIR
MICRO-SENSOR

- AIR QUALITY MONITOR
- OZONE (O3)
- NITROGEN OXIDE (NO2)
- SULPHUR DIOXIDE (SO2)
- CARBON DIOXIDE (CO2)
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-PARTICLE
MICRO-SENSOR

- AIR QUALITY MONITOR
- PARTICULATE MATTER (2.5)
- PARTICULATE MATTER (10)
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-NOISE
MICRO-SENSOR

- NOISE MONITOR
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-COUNTER
MICRO-SENSOR

- TRAFFIC COUNTER
- CONTROLS LIGHTING
- ENERGY BILLING



SLX-VIDEO
MICRO-SENSOR

- VIDEO CAMERA
- INCIDENT ANALYSIS
- CONTROLS LIGHTING
- ENERGY BILLING

CONTROLLERS

MICRO-SENSORS

CELLULAR/MESH

MESH

CELLULAR

Please call me at anytime should you wish more details.

Sincerely,



Charles Cartmill C.E.T.
President, CEO & Founder
LED Roadway Lighting Ltd

Cell: 1 902 222 4200