
LED Street Lighting Pilot

The City of Port Coquitlam is conducting a pilot of energy-efficient light-emitting diode (LED) streetlights in downtown Port Coquitlam from February 8 to December 2010.

The City is partnering with BC Hydro to retrofit nine streetlights on Shaughnessy Street between Marpole Street and McAllister Avenue with LED lights, which consume 40-60% less energy than typical high-pressure sodium (HPS) streetlights. The new lights will be installed on February 8th and 9th.

Shaughnessy Street in downtown Port Coquitlam was selected for the pilot because it is an arterial street that is in the downtown core, is adjacent to commercial businesses and has high vehicle and pedestrian traffic. The 110-watt LED lights will produce a comparable amount of light to the existing 200-watt HPS fixtures used in these kinds of busy locations.

During the pilot period, the City is requesting assistance from the members of Port Coquitlam's Downtown BIA as follows:

- Let the City know what you think of the new lighting; complete the survey - available online at www.portcoquitlam.ca/LEDpilot
- Encourage your staff and customers to complete the survey and let us know what they think of the new lighting
- Put up posters in your business to let your customers know about the LED Street Lighting Pilot (posters and an information packet will be delivered in business along within the pilot area in the coming weeks)

The 110-watt LED lights being tested on Shaughnessy Street will produce a comparable amount of light to the 200-watt HPS fixtures typically used in these kinds of busy locations.

Included below are some additional details regarding the benefits of LED street lighting. You will also find on the City's website at www.portcoquitlam.ca/LEDpilot, additional information including answers to Frequently Asked Questions about this project.

Benefits of LED street lighting

LED street lighting is still relatively new in Canada, although it is in use in a number of U.S. cities.

The City's Corporate & Community Climate Action Plan estimates that if LED streetlights were implemented City-wide, they could save approximately 623,000 kilowatt hours of energy and 14 tonnes of greenhouse gases per year. That equates to a power savings of roughly 40% and a cost savings of approximately \$44,000 (calculated at current day's energy consumption costs).

Aside from the significant energy savings, LED lights are superior to standard HPS lights in many ways, including:

- a longer lifespan, resulting in reduced maintenance and replacement costs,
- no mercury or other hazardous substances,
- reduced light pollution because light is only directed where it is needed, and
- a clear white light that improves colour rendering and reduces dark spots between streetlights.

The lights to be tested are the product of LED Roadway Lighting, a Nova Scotia company considered to be one of the world leaders in the field of energy efficient lighting. Its Satellite series product has been approved by BC Hydro for its Power Smart program, developed to promote the efficient use of energy for homes and businesses.

To read the City's media release regarding the launch of this pilot, go to [http://www.portcoquitlam.ca/_shared/assets/2010-02-02 - Press Release - LED lighting pilot begins Feb 88384.pdf](http://www.portcoquitlam.ca/_shared/assets/2010-02-02_-_Press_Release_-_LED_lighting_pilot_begins_Feb_88384.pdf)

If you have further questions regarding the LED Lighting Pilot, please contact Allen Jensen, Manager of Environmental Services, at jensena@portcoquitlam.ca or 604.927.5424.