



Ministerial Statement

The Hon. Trevor G. Moniz JP, MP

Minister of Public Works

LED Street Light Pilot Project

Friday December 6th 2013

Mr. Speaker, as Minister of Public Works I am pleased to announce the launch of an LED (light-emitting diode) streetlights pilot project conducted jointly by the Department of Works & Engineering and the Bermuda Electric Light Company Ltd. (Belco).

You may recall that one of the initiatives outlined in the recently delivered *Speech from the Throne* by the Ministry of Public Works was to move forward with the *LED Street Lighting* project. To this end I am happy to report that progress is being made at a fairly rapid pace and I wanted to keep the public aware of the same. And for those who may have a copy of the most recent Throne Speech in hand, I was referencing the second paragraph of page 22.

The LED pilot project will be conducted on Trimingham Road in Paget from today Friday, 6 December 2013 to Friday 31 January 2014. This pilot project will

involve 14 streetlights extending from the *Crow Lane roundabout* to *Trimingham Hill* roundabout; 150-watt HPS (*high-pressure sodium*) streetlight fixtures are being replaced with 82-watt LED luminaries, produced by a Canadian manufacturer which serves over 300 customers in 35 countries. This area was chosen because it is one of the busiest roadways on the island on a daily basis.

In the interest of transparency and collaboration, during this pilot, the public is invited to comment via a short survey at www.belco.bm or by emailing streetlights@belco.bm; a paper version of the survey will be available at the Department of Works & Engineering located at 56 Church Street, Hamilton as well as in the main lobby at BELCO Headquarters on 27 Serpentine Road, Pembroke.

Mr. Speaker, we are eager to improve roadway lighting in the interest of public safety, as well as to promote energy efficiency ... manage costs ... and introduce internationally accepted standards. We are very optimistic about the outcome of this joint initiative with BELCo in light of their winning bid for the contract to provide routine streetlight services. If the pilot is successful, we anticipate rolling out LED streetlights Island-wide over a two-year period.

Full conversion of the approximate 4,000 public streetlights in Bermuda to LED luminaries promises a number of benefits, starting with improved lighting levels. In addition, because LED luminaries use less energy than HPS fixtures, the change would result in approximately 50% less greenhouse gas emissions and energy costs reduced by approximately 50%.

Maintenance costs would also be reduced, as LED luminaries have an average 20-year life span, as opposed to the average 6-year life span of High

Pressure Sodium ("HPS") fixtures. LED street lighting designed for Bermuda would also include an integrated, wireless monitoring and control system, which has reporting, dimming and metering capabilities.

Mr. Speaker, BELCo has undertaken a similar pilot project by testing the manufacturer's streetlights at their Serpentine Road headquarters. I am made to understand that the results of their pilot ... which started in May of this year include 60% energy savings and eight times better lighting levels, when compared to the previous HPS lighting fixtures.

Increasingly, LED lights are being installed on public roads around the world in the interest of energy efficiency; for example, announcement was recently made that New York City's 250,000 standard streetlight fixtures will be replaced with LEDs by 2017.

Mr. Speaker, I would like to thank my Electrical Engineering Section, led by the Principal Electrical Engineer, Mr. Jeremy Waters as well as Mr. Denton E. Williams, BELCo's Chief Operating Officer, whom I have invited to make a public statement on behalf of BELCo regarding this initiative.

Thank you **Mr. Speaker!**