

Dartmouth office / warehouse lighting retrofit

When it comes to energy conservation, there is a simple philosophy – *the greenest energy is the energy you never use*. This is the premise behind the *Business Lighting Solutions* program offered by Nova Scotia Power to help businesses find ways of reducing their energy consumption and costs. Annette Tate, an Operations Support Manager in the Dartmouth office/warehouse, was contacted by Nova Scotia Power in November 2009 regarding the program. The Dartmouth office is a 6000 square foot building that houses office spaces and a warehouse for Canteen (vending) operations.

Annette attended a workshop hosted by Nova Scotia Power in January 2010 where she saw an opportunity for lighting improvements and energy conservation in the Dartmouth office/warehouse. Annette registered for a lighting and energy assessment which was completed in February 2010. The assessment revealed a number of areas in the office and warehouse that were over-lighted; other areas were under-lighted and many lights used older model ballasts with high watt bulbs.

With Annette's guidance and encouragement, it was determined that the Dartmouth office/warehouse would undertake a lighting retro-fit. The retro-fit involved replacing all older ballasts with new ones, disconnecting and re-arranging lights where appropriate and installing a sensor light in a portion of the warehouse.

The cost of the undertaking was \$3900, of which Nova Scotia Power provided 80% of the funding.



Annette Tate exchanges the old T12 bulb for the new T8 bulb with Paul Eldridge from SES Lighting Group.

As a result of the retrofit, not only has the quality and level of lighting in the warehouse improved, but there are also impressive estimated energy and cost savings, including:

- 15,000 KWH/year (a 30%) reduction in electricity consumption over current use
- Five year net cost savings of approximately \$7,750
- CO₂ reduction of 12,745 kg/year – the equivalent of driving an average car 59, 252 km!

Paul Eldridge from SES Lighting Group: "Nova Scotia Power and the SES Lighting Group would like to thank Compass Group Canada for their participation in the *Business Lighting Solutions* programme. Your new lighting system will help reduce our dependence on fossil fuels and ensure a cleaner, healthier future for all."

Thanks to Annette's leadership in undertaking the retrofit, there are plans in place to identify similar programs and opportunities in other provinces. Well done, Annette, for demonstrating the **Our 360°** spirit of **everyone, everyday, everywhere**.