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### Message from the Director – Steven Hall

I am pleased to introduce the inaugural issue of the Corporate Energy newsletter. This newsletter has been created to provide information about the latest energy efficiency initiatives and projects at the Region of Peel. Corporate Energy is committed to fulfilling the Region's need for reliable and cost effective energy supply and management, while positioning the Region of Peel as a leader in energy efficiency. We would be happy to feature your energy project in our newsletter, simply send an e-mail to: [energy@peelregion.ca](mailto:energy@peelregion.ca).

### Watt's New

Corporate Energy recently hosted its second workshop on October 25. Corporate Energy invited staff from across the Region and the Cities of Brampton, Mississauga and Town of Caledon to participate in a Stand-by Generator Workshop. Presented by Toromont Power Systems Inc., this workshop covered best practices for the testing, operation and maintenance of stand-by generators, including log books and monthly testing. To get more information on this workshop, please contact Kevin Henderson at 905-791-7800, Ext. 4823.



### Feature

#### Malton Village and Tall Pines Are Models of Energy Efficiency

The Health department wanted two buildings that optimized efficient use of energy through upgraded equipment and systems allowing for increased comfort for its residents and staff.

“Resident comfort and energy efficiency were critical elements in designing Tall Pines and Malton Village,” says Chris Bullock, Manager of Development and Construction. *(cont'd on pg.2)*

### Questions Answered

#### Why use Compact Fluorescent Light bulbs?

Compact Fluorescent (CFL) light bulbs use 75 per cent less energy than incandescent light bulb. A 15 watt CFL produces the same quantity of light as a typical 60 watt incandescent light bulb; they last about five years and although they cost more, the energy savings achieved can be paid off in less than two years when used in light fixtures that are on for more than three hours per day.

### *Feature continued...*

Some energy efficiency enhancements to Malton Village and Tall Pines were:

- The use of energy-efficient lamps (typically T-8 and compact fluorescent)
- Direct Digital Control of building control systems including provision of some individual resident comfort (climate and lighting control)
- Low flow plumbing fixtures (sinks, toilets, etc.)
- Utilization of landscaping with low/minimal watering requirements
- Day lighting (natural lighting) provided to all regularly occupied areas
- Installation of high efficiency boilers

Energy efficiency was achieved by fulfilling Natural Resources Canada's Commercial Building Incentive Program (CBIP) requirements. CBIP requirements are based on the federal government's Model National Energy Code for Buildings (MNECB). To qualify for a CBIP grant, the building must be designed 25 per cent more energy efficient than the MNECB. Both long term care centres received the maximum incentive as a result of their 28 per cent efficiency improvement.

"Residents appreciate the home-like environment offered at Malton Village and Tall Pines," said Director of Long Term Care, Janette Smith. "Each long term care centre strives to provide a high level of comfort for residents and natural lighting plays an important role in creating that homey atmosphere."

Benefits of energy efficient buildings go beyond reduced energy consumption and a decrease in utility costs. Operational and maintenance costs can also be reduced, as well as equipment replacement costs.

Electrical and mechanical systems that operate at peak performance and improved energy efficiency, help ensure building codes and health requirements are being satisfied.

With the completion of Malton Village and Tall Pines, the Region is considering the possibility of adding some of the energy efficiency design elements into future retrofitting plans for other long term care centres, including: Davis Centre, Peel Manor and Sheridan Villa.

The Region of Peel is committed to providing the highest standards of care in the most cost-effective way for elderly residents in the Region. In the future, Corporate Energy will work with various departments like Long Term Care to fulfill this mandate.



*Energy efficient Malton Village*

