

Energy efficiency. Get in the ACT!

Energy and Facility Renewal Program

The Perley Rideau Veterans' Health Centre is committed to providing high quality care to our residents and community while offering a sustainable, healthy workplace. Through a partnership with Honeywell, one of the world's leaders in technology and energy solutions, we have completed two phases of an Energy and Facility Renewal Programme. The programme was designed to implement strategies for conserving energy while reducing utility costs and greenhouse gas emissions, and enhancing the comfort conditions for our residents and staff.

We are proud to be a leader in promoting a healthier environment within the community and the healthcare industry as a whole.



Energy Saving Tips

At Work:

- Report drafts, running water, and unnecessary lighting during off hours to Support Services.
- Screen savers save computer screens, NOT energy – be sure to turn off your computer monitor at the end of your shift.
- Only electrical equipment that is necessary in a power failure should be plugged into the red receptacles.
- Turn off lights when not required; take advantage of natural light.

At Home:

- Use drapes or blinds to cover your windows – at night during winter and during the day in summer.
- Go automatic with a programmable thermostat and save 10% or more on heating costs.
- You can reduce your heating bills by a whopping 25% by putting proper weather stripping in your house where it leaks and caulking doors and windows.

On the Road:

- Decreasing your highway cruising speed from 120 to 90km/hr will decrease fuel consumption by about 20%.
- Tests show that rapid starts and hard braking reduce travel time by only 4%. However, fuel consumption increases by 39% and emissions of toxic air pollutants are more than five times higher.

Making sustainable more attainable.



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The Perley and Rideau Veterans' Health Centre

November 2013



A program created and supported by Honeywell

Honeywell

Objective

Demonstrate our commitment to energy conservation, environmental stewardship and sustainability, while also increasing comfort for our residents and staff.

Specific Objectives Include:

- Reduce harmful environmental emissions.
- Improve building operating flexibility, systems and infrastructure.
- Reduce utility and other costs.
- Lower utility consumption.
- Become a community and industry leader in promoting a healthier environment.
- Promote a culture of conservation within our organization

About the Program

Benefits:

- Funds facility upgrades with guaranteed cost savings - \$367,570 annual energy and operational savings.
- Combats rising energy costs.
- Increases comfort for residents and staff.
- Improves the long-term health of the community.
- Addresses deferred maintenance and capital renewal needs.
- Guaranteed savings by Honeywell throughout the life of the program.

Energy Efficiency Upgrades:

Phase 1

- New central heating and cooling plant - located between the Gatineau Link and Perley building
- Lighting system upgrades to more energy efficient alternatives - over 5,500 fixtures replaced
- Weather-sealing of buildings - all exterior doors have been weather-sealed to help reduce drafts and improve comfort
- Water efficiency upgrades - replaced over 550 toilets and washroom fixtures with low flow models
- Vending machine controls

Phase 2

- 1,235 solar panels mounted on rooftop
- Located on Gatineau Residence, Ottawa Residence and Perley main building rooftops
- Capacity to generate 249.5MWh of electricity annually, enough to power approx. 27 average households

Environmental Benefits

It begins with us. Our residents, staff and the surrounding communities will benefit from the pollution reductions generated through the implementation of these energy conservation measures in our facilities. Reducing pollution helps to avert the serious problems associated with environmental hazards like smog, acid rain and global warming. Through these efforts, we are working towards providing a better, healthier world for tomorrow.

This programme is expected to reduce carbon dioxide emissions by approximately 320 metric tons annually, equivalent to removing more than 50 cars from the road each year.

