

Greening Health Care

A Program of **The Living City**

Working Together for Healthier Communities

2008 Annual Report

The Program

Greening Health Care allows hospitals to assess their energy and environmental performance and plan for improvements using an online building performance management system, and to share knowledge and best-practices with others across the health care sector. The goals are to help lower operating costs and environmental impact, and to contribute to the health and well-being of their communities.

Greening Health Care conducts regular workshops, and provides tools and resources to help hospitals manage their energy use, develop energy targets and action plans, and track their actual savings. The program shares benchmarking, knowledge, best practices and performance data, as well as facilitating access to grants and incentives from governments and utility companies to help pay for improvements.

2008 Baseline Energy use and costs

Energy Type	Energy Use	Energy Costs
Electricity	373,827,297 kWh	\$37,382,730
Average Monthly Demand	53,382 kW	
Natural Gas	37,150,436 m ³	\$13,002,653
Purchased Steam	486 Mlbs	\$826,200
Water	2,076,823 m ³	\$3,115,235
Total	3,203,034 GJ	\$54,326,817

Program Membership (Dec 2008)

Hospital Corporations - 25
Hospital Sites - 43
(Acute =30, Chronic =13)
Building Area
1,970,376 m² = 21,209,127 sf

Energy Savings

Each year Greening Health Care updates energy use baselines to the previous year to ensure that year-on-year improvements continue to be made.

Net Savings	2007 vs 2006 Baseline	2008 vs 2007 Baseline
Electricity	1.5%	2.5%
Natural Gas	4.8%	1.4%
Water	3.4%	2.6%
Total Savings	\$2,442,682	\$2,371,982
GHG Emissions	9,600 tonnes	4,253 tonnes
# of hospitals with net savings	22/36	20/43

For information on joining or sponsorship, please contact kathryn.wilson@enerlife.com or visit <http://ghc.enerlife.com>

Sponsors:



Membership (as of December 31, 2008)

Arnprior and District Memorial Hospital, Baycrest Centre for Geriatric Care, Centre for Addiction and Mental Health, Credit Valley Hospital, Glengarry Memorial Hospital, Headwaters Health Care Centre, Hospital for Sick Children, Humber River Regional Hospital, Huron Perth Healthcare Alliance, Kingston General Hospital, Markham Stouffville Hospital, Mount Sinai Hospital, North York General Hospital, Providence Healthcare, Queensway Carleton Hospital, Quinte Health Care, Ross Memorial Hospital, Scarborough Hospital, St. Joseph's Health Centre, St. Michael's Hospital, Sunnybrook Health Sciences Centre, Toronto East General Hospital, Toronto Rehabilitation Institute, West Park Healthcare Centre, William Osler Health Centre

Managed by:



The Program in 2008

Greening Health Care is member-directed, with participants choosing the areas to be addressed in the workshops. During 2008, the workshops tackled the following subjects:

- ▶ Responding to provincial regulations– anticipating and preparing for the Green Energy Act
- ▶ Making the Connections –profiling and exploring actions taken and energy savings achieved
- ▶ Engaging sponsors – welcome to Independent Electricity System Operator (IESO) and the City of Toronto’s Better Buildings Partnership (BBP)
- ▶ Case studies: exploring energy savings at Providence Healthcare, Scarborough Grace Hospital, North York General Hospital and Baycrest Centre for Geriatric Care
- ▶ Speaking to the industry – presentations and discussions with contractors and equipment suppliers (as recommended by members)
- ▶ formation of GHC Advisory Committee with mandate to shape the goals and content of the program in 2009

Website developments in 2008

- ▶ CUSUM reporting
- ▶ GHG emission benchmarking
- ▶ help guides
- ▶ data entry checking
- ▶ upgraded baseline setting
- ▶ ventilation calculator tool
- ▶ building profile

Greening Health Care Incentives

Through the Greening Health Care partnership with Enbridge Inc., members have access to incentives for actual, recorded gas savings due to successful energy saving actions taken. The online data management system provides the necessary validation of data that makes these incentives possible.

Greening Health Care hospitals received incentive payments of approximately \$113,000 in 2008 (\$96,000 in 2007).

Greening Health Care - 2008 Financial Report		
	2008	2007
Membership (Dec 31)		
▶ Corporations	30	28
▶ Buildings	48	45
▶ Number of Workshops	6	6
Revenues		
▶ Membership Fees	\$111,584	\$99,832
▶ Sponsors	\$49,050	\$88,843
▶ Deferred	\$32,168	\$11,000
▶ Total - \$	\$192,802	\$199,675
▶ Total - \$/member	\$6,427	\$7,131
Expenses		
▶ Total - \$	\$221,960	\$246,253
▶ Total - \$/member	\$7,399	\$8,795
Net Revenue	-\$29,158	-\$46,578

* 5 hospitals withdrew in December 2008; 25 members as of Dec 31, 2008

2008 Workshops

South-Central Ontario

- ▶ Feb 13th – Providence Healthcare
- ▶ May 21st – Scarborough Grace Hospital
- ▶ Sept 17th – North York General Hospital (joint workshop with Eastern Ontario)
- ▶ Nov 26th – Black Creek Pioneer Village

Eastern Ontario

- ▶ Feb 20th – Arnprior & District Memorial Hospital
- ▶ June 3rd – Providence Care - Kingston Mental Health Services

“The workshops continue to provide current and relevant topics - enjoyable and informative!”

Workshop Evaluations

Every workshop is evaluated by participants against ten criteria in order to measure effectiveness. Overall scoring for 2007 and 2008 (out of 5) was as follows:

	2008 Average(/5)	2007 Average(/5)
This workshop enhanced my knowledge and understanding of energy management.	4.30	4.36
The workshop provided information that I can use in my facility/facilities to increase energy savings.	4.30	4.32
The workshop helped me develop effective action plans for my organization.	4.02	3.96
The workshop provided an effective forum for me to learn from and provide information to my peers.	4.33	4.31
The workshop established a sense of shared purpose and teamwork among the participants.	4.35	4.40
The format and agenda of the workshop were conducive to learning.	4.34	4.32
The location, nature and setup of the room were conducive to learning.	4.42	4.42
The presentation and style of the workshop facilitator or facilitators were effective.	4.42	4.61
The facilitator or facilitators were sufficiently knowledgeable on the topics covered.	4.62	4.65
The workshop fully met my expectations.	4.24	4.32
Average Workshop Score	4.33=87%	4.38=88%

“A great team-building experience – contact with knowledgeable people makes us all more knowledgeable”