

# Our Green Initiatives



Chris Madill  
Energy & Environment Committee  
The Riviera



# Energy & Environment Committee

- A collection of enthusiastic resident volunteers
- Diverse skill sets. Past and present members formally trained in
  - Finance
  - Education
  - Biomedical Research
  - Civil Engineering
  - Military/Police
- Common goal of providing opportunities and resources to create a sustainable, energy efficient, green community at the Riviera
- Almost 3 years old
- Call for volunteers initiated by Board of Directors

# Raison d'être

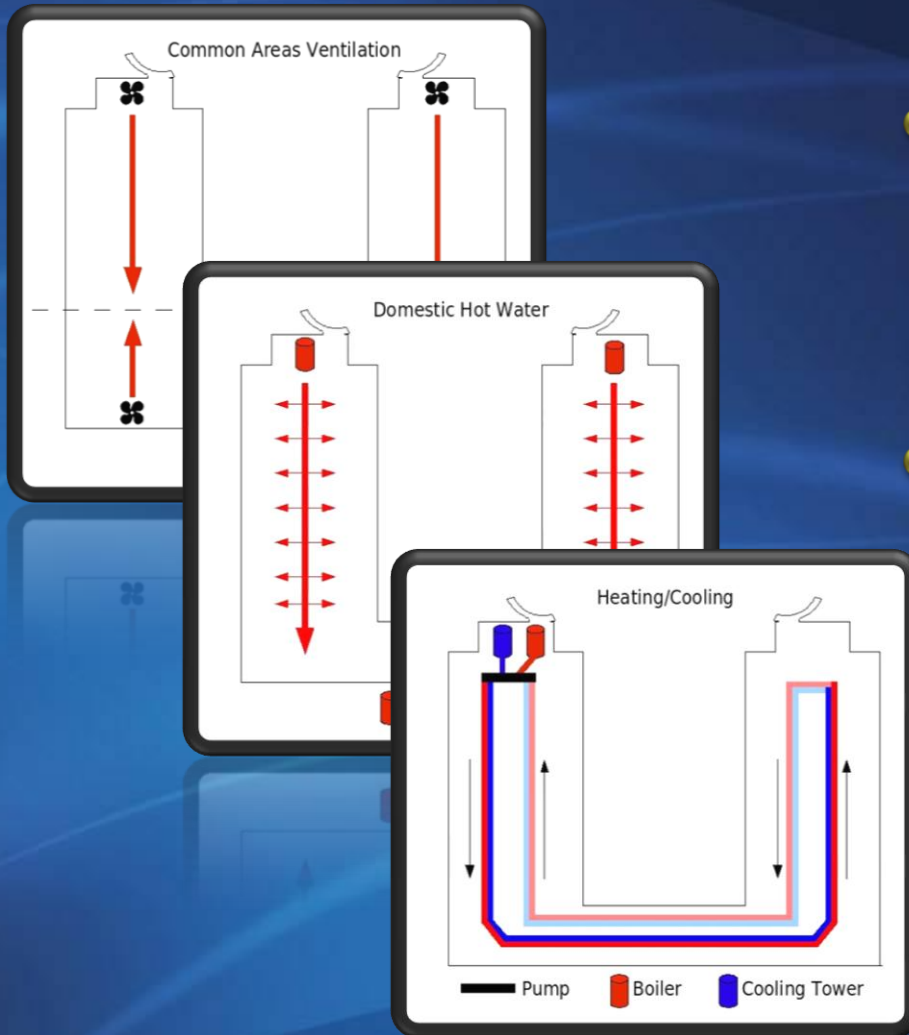
- The Riviera is in the heart of Toronto's thriving (and constantly improving) waterfront community.
- The EEC was formed to deliberate matters related to energy, resources, and environmental impact for the Riviera
- The EEC is devoted to reducing the environmental footprint of the Riviera through various initiatives:
  - I. Improving efficiency of major mechanical systems
  - II. Improving recycling/composting options
  - III. Community events to educate residents about environmentally friendly practices

# i) Major Mechanical Systems

- Three major mechanical systems consume tremendous resources
  - Heating/Cooling
  - Domestic Hot Water
  - Makeup Air
- No way of throttling output to meet demand



# i) Major Mechanical Systems



- Sought a building-automation system to automatically monitor these mechanical systems
- Nearly 200 sensors will be installed throughout building; each continuously communicates with control centre

# i) Major Mechanical Systems

- Output is modulated in order to meet demand
  - Take advantage of low-usage periods to conserve energy
  - Historical data prepares systems for peak usage periods
  - Environment adapts much faster to changing seasons
  - Complements existing infrastructure rather than prematurely replacing it
- Similar projects have resulted in 8-12% reduction in consumption
- Committee recommendation is on upcoming board meeting agenda

# i) Major Mechanical Systems

- Initiating a programmable thermostat installation program
- HVAC provider giving discount pricing on bulk order of thermostat and installation service
  - Qualifies for gov't rebates
- Can save 10% of heating/cooling costs
- Opt-in service for residents



## ii) Recycling/Composting Options

- Preparing existing recycling chute for pending compost collections
- Three-way garbage chute
  - 1) Garbage
  - 2) Unsorted Recycling
  - 3) Compost



## ii) Recycling/Composting Options

- “Electronic waste” is often recyclable, but not collected by the city
- Enlisted iRecycleComputers to collect electronic waste
- One collection bin is located in the mailroom of each tower for cellphones, computers, ipods, etc.
- Semi-annual large-item collection events – collect TVs, monitors, printers, etc.



# iii) In our community...



- Obtained a single CFL lightbulb for every unit in the building
  - Generous donation by Philips Canada
- Extinguish flood-lights during bird migration
- Organize springtime grounds cleanup
- Gently used clothing drives for Canadian Diabetes Foundation
- Seasonal lobby events/postings

# Questions?

[chris.madill@sickkids.ca](mailto:chris.madill@sickkids.ca)