



EAST BAYFIELD COMMUNITY CENTRE, Barrie ON

80 Livingstone St. E.
Barrie, Ontario L4M 6X9

(705) 739-4225 Facility Supervisor: Jake Veenstra

FEATURES:

- 152,000 sq. ft.
- 25 Meter Pool & small pool
- 2 Arenas with spectator seating
- Full size gymnasium - Air Conditioned
- Fitness Centre
- 3 Meeting Rooms - suitable for activities and meetings. Air Conditioned, Multi-Purpose Rm.
- Childcare Centre

The East Bayfield Community Centre was completed in 2003. The arena is equipped with the Ice Kube Integrated System which is an energy efficient geothermal heat pump which has cold storage under the rink slab. The heat generated during the ice-making process is recovered and use throughout the facility as radiant heating. The modular design of distributed heat pump network system allows adaptation to variable energy needs thereby increasing part-load efficiencies. The modular design also provides redundancy in the refrigeration equipment.

Essentially a mirror image of its sister facility and also located in Barrie ON, the Holly Community Centre was designed with a conventional ice plant system. In a comparison of the two facilities operating costs the following was stated by facility supervisor, Jake Veenstra.

“The overall utility costs at the Easy Bayfield facility in 2008 are \$25,000 lower in electricity consumption and \$34,000 lower is gas consumption”

“The ice plants maintenance costs at the East Bayfield CC have been \$1200.00 in total since opening in 2003, in comparison to conventional refrigeration systems (ammonia) which require an annual maintenance program that costs between \$5-7000.00 for a 50hp compressor. Most regulation rinks will have at least 2 compressors.”

Jake Veenstra, East Bayfield Facility Supervisor