



## City Council Committee Report

To: Mayor & Council

Fr: Mary Anne Mooring, Recreation Maintenance Supervisor

Re: Utility Consumption for 2009

### Recommendation:

That Council of the City of Kenora receives the information on utility consumption for the Kenora Recreation Centre and the Keewatin Memorial Arena for the year 2009.

### Background:

Staff has been making a concerted effort to improve and track energy consumption at the Keewatin Memorial Arena and the Kenora Recreation Centre. The goal was to improve overall operating cost to these facilities over the next few years. A portion of projects, included in both our operating and RInC grant, have now been completed and another portion is scheduled to be completed this summer. The following is a list of our findings to date:

### Kenora Recreation Centre

#### **ARENA**

GAS	2009	\$ 9,855
	2008	<u>\$ 14,245</u>

**Savings in 2009 \$ 4,390**

- Adjustments to gas fired hot water tanks.
- Removal of infra red heaters on walking track.
- Installation of instantaneous hot water heaters.

HYDRO	2009	\$ 186,286
	2008	<u>\$ 174,563</u>

**Increase in 2009 \$11,273**

- Increase in utility costs: \$0.0062/kWh to \$0.0065/kWh
  - Increase in network distribution charges: \$1.5790000 to \$1.721100/kVA (demand)
  - Increase in conn. transmission charges: \$0.429900 to \$0.451400/kVA (demand)
  - Increase in distribution charges: \$1.226200 to \$1.237200/kVA (demand)
  - Installation of unit heaters (walking track)
- Positive changes should be noticed in 2010 with the changing of Metal Halide lighting to Induction Lighting located in the Arena Bowl.
- Positive changes should be noticed in 2010 with the installation of some sensory lighting for the janitor's closets, storage areas, and washrooms.

WATER	2009	\$ 6,191
	2008	\$ <u>6,236</u>

**Savings in 2009 \$45**

- Little change noted in water consumption.
- Positive changes in consumption should be noticed in 2010 with upgrades to the ice plant completed end of December 2009.

***POOL***

GAS	2009	\$ 67,456
	2008	\$ <u>78,770</u>

**Savings in 2009 \$ 11,314**

- Adjustments made to 2 hot water heating boilers.
- Adjustments made to Air Handling Units.
- Replacement of heat exchangers (Tot Pool & Leisure Pool).

WATER	2009	\$ 9,390
	2008	\$ <u>11,314</u>

**Savings in 2009 \$ 1,974**

- Better maintenance practices (taps leaking & flushometer change-outs).
- Better management and consistency in pool chemistry

**Keewatin Arena**

GAS	2009	\$ 21,973
	2008	\$ <u>26,573</u>

**Savings in 2009 \$ 4,600**

- Hot water heater storage tank replacement.
- Hot water heating system balanced.

HYDRO	2009	\$ 38,674
	2008	\$ <u>47,209</u>

**Savings in 2009 \$ 8,535**

- 2 Rebates (September & October 2009)
- Repair to Air Handling Unit.

WATER	2009	\$ 14,764
	2008	\$ <u>20,638</u>

**Increase in 2009 \$ 5,784**

- Water line ruptured under Ice slab. Repair completed end of December 2009. (\$ 12,000 over budget for 4 months due to water line leaking).
- Missing 2 bills (June & July 2008).

**Summary**

Gas at the Kenora Thistle Arena had an annual saving of \$ 4,390 or 31%.

Water at the Kenora Thistle Arena had an annual saving of \$45 or 1%.

Hydro for the Kenora Recreation Centre (entire complex) was over the 2008 costs by \$11,273 or 6%.

Gas for the Pool and Fitness Centre had an annual saving of \$11,314 or 14%.

Water for the Pool and Fitness Centre had an annual saving of \$1,974 or 17%.

Gas at the Keewatin Memorial Arena had an annual saving of \$4,600 or 17%

Hydro at the Keewatin Memorial Arena had an annual saving of \$8,535 or 18%.

Water at the Keewatin Memorial Arena was over the 2008 costs by \$5,784 or 28%.