



**DEVELOPMENT & INFRASTRUCTURE SERVICES – COMMISSIONER**  
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February 20, 2015

**DEVELOPMENT & INFRASTRUCTURE SERVICES INFORMATION REPORT – 2015-19**

TO: Mayor and Members of Council

SUBJECT: Honeywell Update – Phase I Annual Energy & Operational Savings Report

ORIGIN: Commissioner of Development & Infrastructure Services

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This annual report provides the 2014 update for Phase 1 of the Town's Honeywell Retrofit Program that was initiated in December of 2007.

In an effort to lower greenhouse gas emissions and utility costs, the Town of Newmarket partnered with Honeywell Canada to perform an audit and subsequent retrofit of various Town facilities.

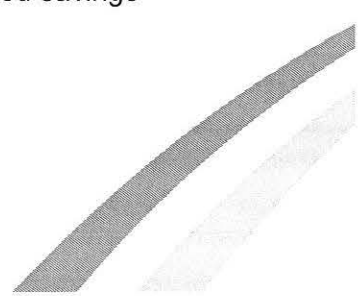
A decision was made to target heating, ventilation and air conditioning systems (HVAC) and lighting at the Lion's Park Rink and Gorham Pool, Newmarket Municipal Offices, Ray Twinney Complex, Seniors' Meeting Place and the Newmarket Youth & Recreation Centre and Kinsmen Sk8Park.

It was agreed the project would be funded from the anticipated energy savings which were guaranteed by Honeywell to be \$157,532 annually. The initial cost for this project was estimated at \$1,613,323, resulting in an anticipated payback period of approximately 10 years.

As of December 2014 Honeywell's guaranteed utility savings was \$1,120,724; however, the savings achieved to date is actually \$1,577,544; \$456,820 more than the utility savings guarantee.

Honeywell's Energy and Operational Savings for 2014 indicates that over the past year the Town has saved \$108,970 in electricity costs, \$24,606 in natural gas costs and \$35,579 in water costs for a total monitored energy savings of \$169,155.

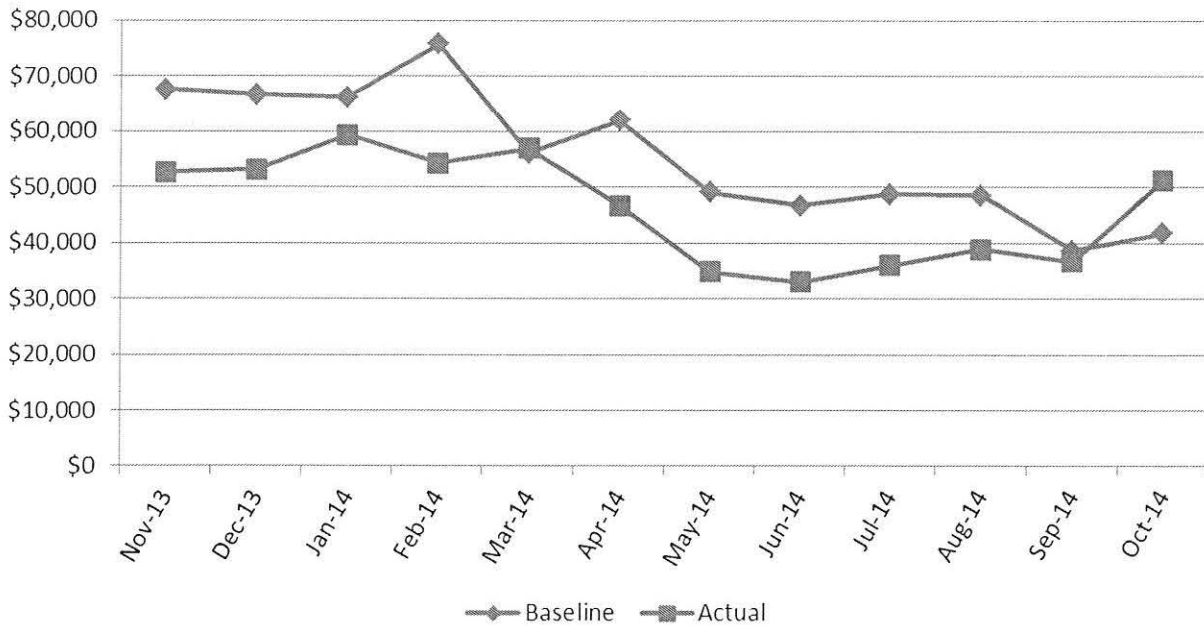
The charts provided below are taken from the Energy and Savings Report for the 7 Year Savings Period and are intended to provide a visual representation of the estimated savings achieved for 2014.



**Energy Consumption Estimated Savings**

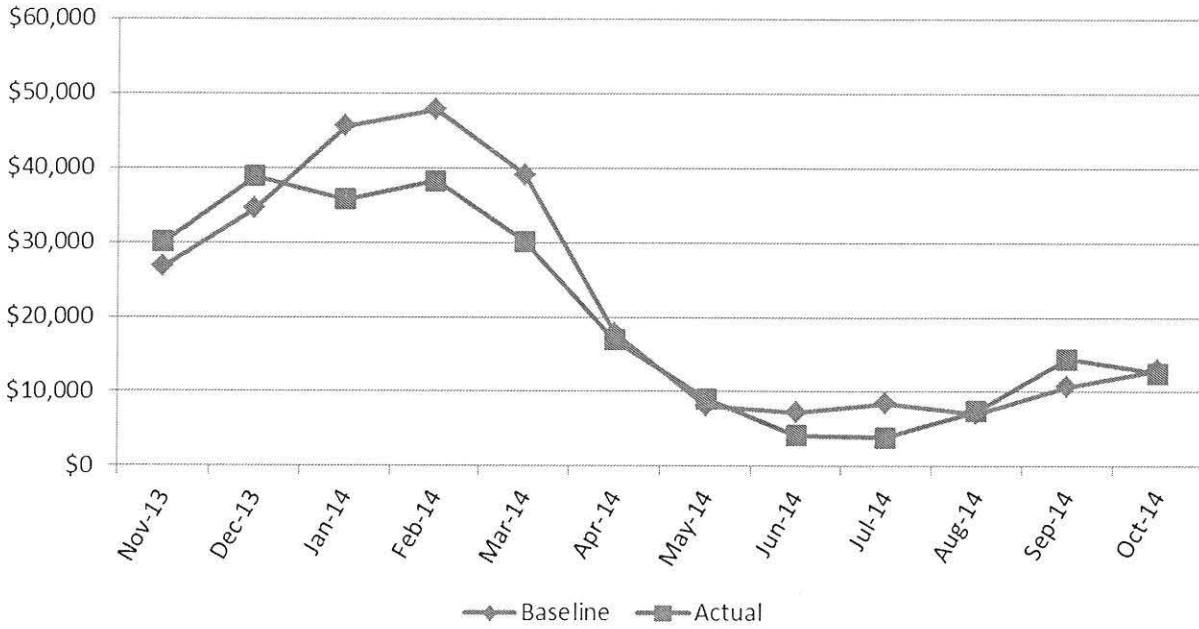
Building	Electricity	Natural Gas	Water	Total
Lions/Gorman Pool	\$21,930	\$4,604	-	\$26,534
Municipal Offices	\$11,018	(\$661)	-	\$10,357
Old Town Hall	-	(\$2,604)	-	(\$2,604)
Ray Twinney Rec	\$56,808	\$21,072	\$35,579	\$113,459
Seniors Meeting Place	\$5,708	\$2,421	-	\$8,129
Youth Centre	\$13,507	(\$226)	-	\$13,282
<b>Total</b>	<b>\$108,970</b>	<b>\$24,606</b>	<b>\$35,579</b>	<b>\$169,155</b>

**Electricity Consumption Cost**



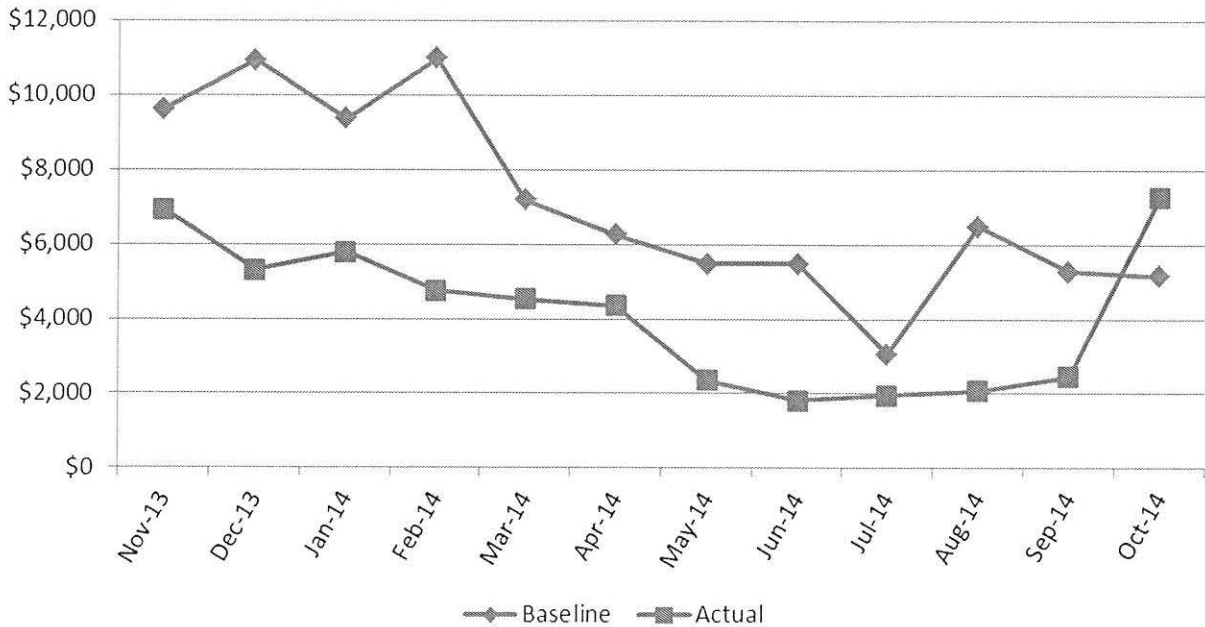
\*Baseline is representative of 2005 energy costs

### Natural Gas Consumption Costs



\*Baseline is representative of 2005 natural gas costs

### Water Consumption Costs



\*Baseline is representative of 2005 water costs

In conclusion, as a result of higher than anticipated energy savings the Town will achieve full payback for this project by mid-2015; which is about 2.5 years sooner than expected.

### **CONTACT**

For more information on this report or to request a copy of Honeywell's Report please contact Lisa Ellis, Business Performance Coordinator, Community Services at 905-953-5300 extension 2515; [lellis@newmarket.ca](mailto:lellis@newmarket.ca).



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