



Development and Infrastructure Services - COMMISSIONER  
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June 28, 2016

**DEVELOPMENT INFRASTRUCTURE SERVICES INFORMATION REPORT – 2016-22**

TO: Mayor and Members of Council  
SUBJECT: Honeywell Update – Energy & Operational Savings Report  
ORIGIN: Commissioner of Development Services

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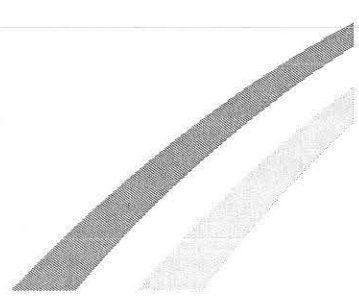
The purpose of this report is to provide an update on Phase 1 and Phase 2 of the Honeywell Retrofit Program that were initiated in 2007 and 2013 respectively.

The cost savings achieved during the period of November 2014 to October 2015 by Facility and Utility are provided in the following summary:

**Utility Cost Savings Summary**

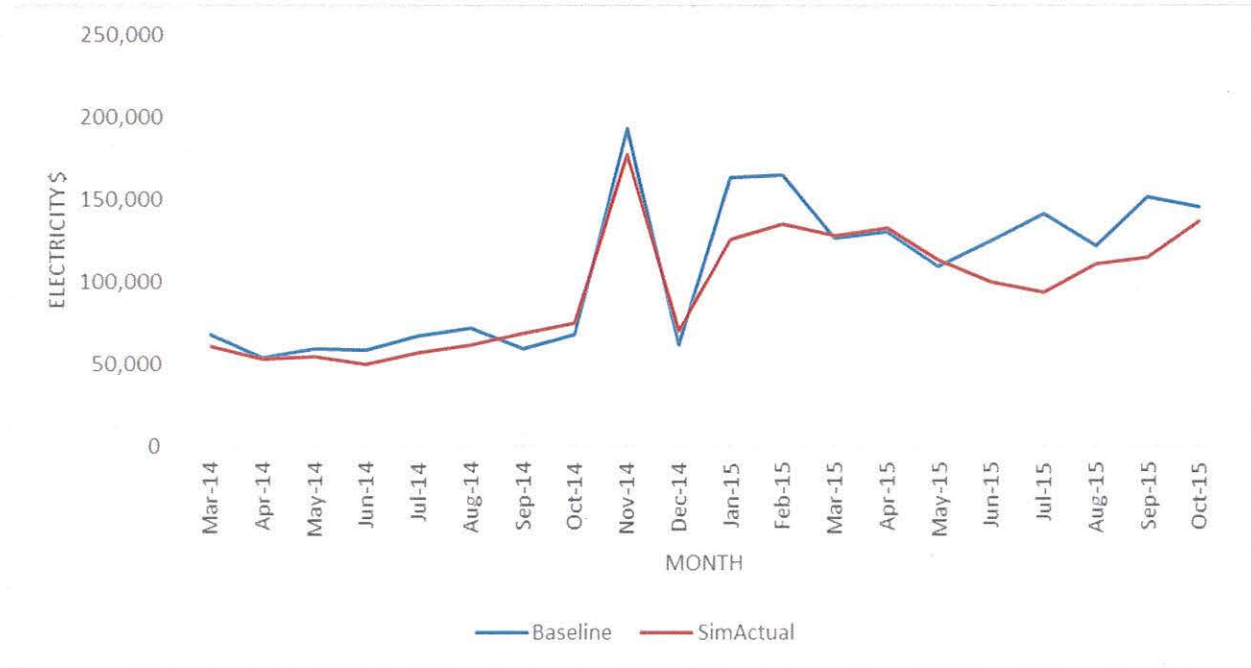
Building Name	Electricity, \$	Natural Gas, \$	Water, \$	Total Savings, \$
Lions/Gorman Pool	24,234	3,611	n/a	27,845
Municipal Office	8,998	14,847	n/a	23,846
Old Town Hall	n/a	5,019	n/a	5,019
Ray Twinney Rec	64,319	54,028	33,240	151,586
Seniors Meeting Place	10,491	1,229	n/a	11,720
Youth Centre	16,101	7,058	n/a	23,159
Magna Centre-Ph2 only	96,830	n/a	n/a	96,830
<b>Total</b>	<b>220,973</b>	<b>85,792</b>	<b>33,240</b>	<b>340,005</b>

Following is a graphical representation of the simulated actual utility consumption against the baseline utilities as established at the beginning of the project:



**Electricity Consumption Cost (Excluding Streetlights)**

Electricity Cost Savings for the period is \$220,973.



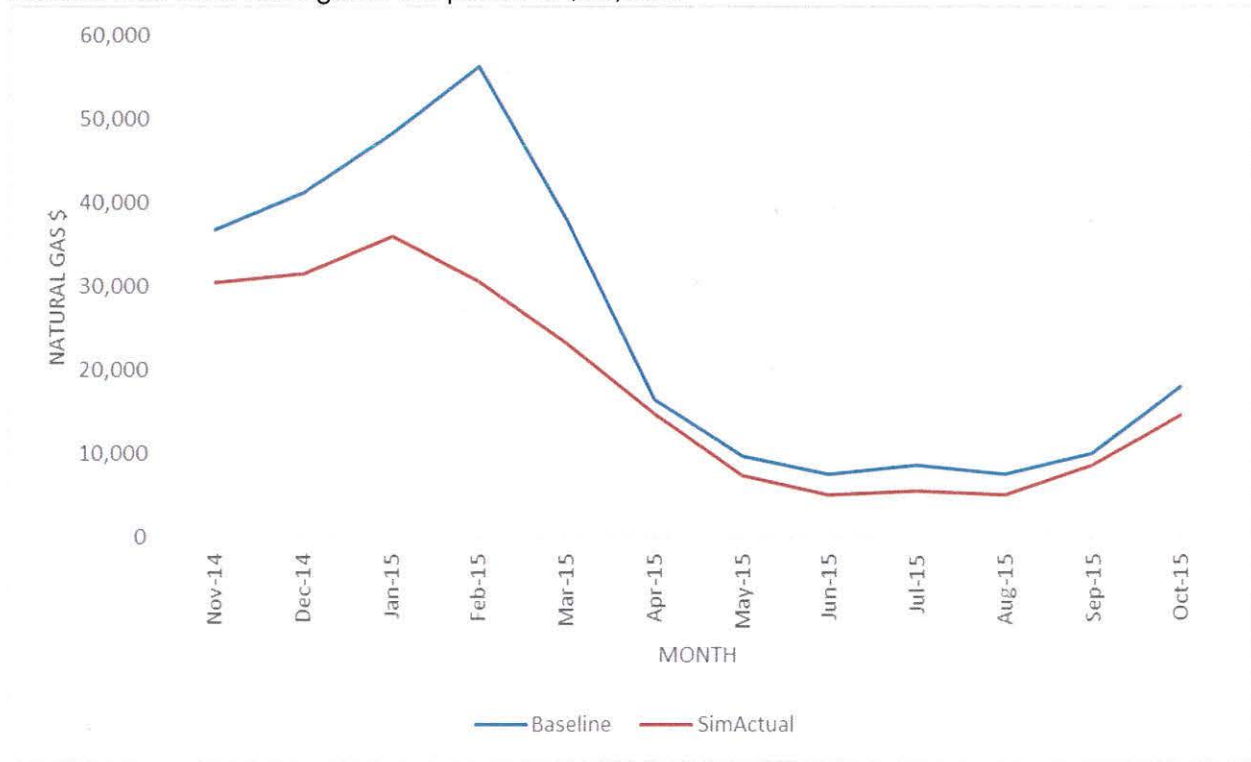
**Streetlight Electricity Consumption Cost**

Electricity Cost Savings for the period is \$195,469.



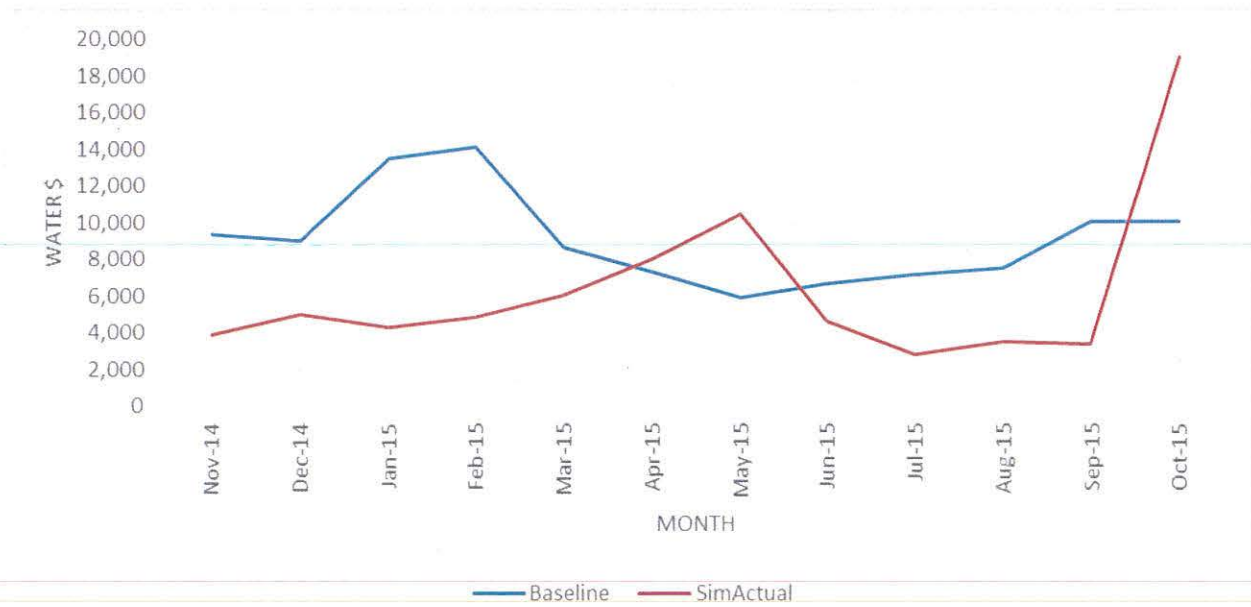
**Natural Gas Consumption Costs**

Natural Gas Cost Savings for the period is \$85,792.



**Water Consumption Costs**

Water Cost Savings for the period is \$33,240.



In conclusion the savings report ending 2015 is provided in appendix A for your reference. To date cumulative savings achieved are \$2,127,401. This is \$867,145 higher than anticipated at the beginning of the projects.

**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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Community Services



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Director, Public Works Services



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Commissioner Development & Infrastructure Services

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Table 2 - Total Guaranteed Project Cost Savings

Guarantee Year	Ph1 Utility Savings Guarantee (\$)	Ph2 Utility Savings Guarantee (\$)	Ph1 Operational Savings (\$)	Ph2 Operational Savings (\$)	Total Savings Guarantee (\$)	Cumulative Savings Guarantee (\$)	Achieved Savings (\$)	Cumulative Achieved Savings (\$)	Cumulative Excess Savings (\$)
Ph1 CP Jan 2007 - Nov 2007	n/a	n/a	n/a	n/a	n/a	n/a	126,989	126,989	126,989
Ph1 Yr 1 Nov 2007 - Oct 2008	159,232	n/a	(1,700)	n/a	157,532	157,532	217,683	344,672	187,140
Ph1 Yr 2 Nov 2008 - Oct 2009	159,232	n/a	(1,700)	n/a	157,532	315,064	211,221	555,893	240,829
Ph1 Yr 3 Nov 2009 - Oct 2010	159,232	n/a	(1,700)	n/a	157,532	472,596	213,969	769,862	297,266
Ph1 Yr 4 Nov 2010 - Oct 2011	159,232	n/a	(1,700)	n/a	157,532	630,128	210,420	980,282	350,154
Ph1 Yr 5 Nov 2011 - Oct 2012	159,232	n/a	(1,700)	n/a	157,532	787,660	218,006	1,198,288	410,628
Ph1 Yr 6 Nov 2012 - Oct 2013	159,232	n/a	(1,700)	n/a	157,532	945,192	193,719	1,392,007	446,815
Ph1 Yr 7 Nov 2013 - Oct 2014	159,232	n/a	(1,700)	n/a	157,532	1,102,724	184,537	1,576,544	473,820
Ph1 Yr 8 and Ph2 CP Nov 2014 - Oct 2015	159,232	n/a	(1,700)	n/a	157,532	1,260,256	550,857	2,127,401	867,145
Ph1 Yr 9 and Ph2 Yr1 Nov 2015 - Oct 2016	159,232	477,662	(1,700)	276,533	911,727	2,171,983	n/a	n/a	n/a
Ph1 Yr 10 and Ph2 Yr2 Nov 2016 - Oct 2017	159,232	491,737	(1,700)	288,929	938,198	3,110,181	n/a	n/a	n/a
Ph1 Yr 11 and Ph2 Yr3 Nov 2017 - Oct 2018	38,432	505,813	(427)	301,920	845,738	3,955,919	n/a	n/a	n/a
Ph2 Yr4 Nov 2018 - Oct 2019	n/a	519,889	n/a	315,535	835,424	4,791,343	n/a	n/a	n/a
Ph2 Yr5 Nov 2019 - Oct 2020	n/a	533,965	n/a	329,803	863,768	5,655,111	n/a	n/a	n/a
Ph2 Yr6 Nov 2020 - Oct 2021	n/a	548,041	n/a	344,755	892,796	6,547,907	n/a	n/a	n/a
Ph2 Yr7 Nov 2021 - Oct 2022	n/a	562,116	n/a	360,426	922,542	7,470,449	n/a	n/a	n/a
Ph2 Yr8 Nov 2022 - Oct 2023	n/a	576,192	n/a	376,849	953,041	8,423,490	n/a	n/a	n/a
Ph2 Yr9 Nov 2023 - Oct 2024	n/a	590,268	n/a	394,060	984,328	9,407,818	n/a	n/a	n/a
Ph2 Yr10 Nov 2024 - Oct 2025	n/a	604,344	n/a	412,097	1,016,441	10,424,259	n/a	n/a	n/a
Ph2 Yr11 Nov 2025 - Oct 2026	n/a	618,419	n/a	290,241	908,660	11,332,919	n/a	n/a	n/a
Ph2 Yr12 Nov 2026 - Oct 2027	n/a	632,495	n/a	303,295	935,790	12,268,709	n/a	n/a	n/a
Ph2 Yr13 Nov 2027 - Oct 2028	n/a	646,571	n/a	316,975	963,546	13,232,255	n/a	n/a	n/a
Ph2 Yr14 Nov 2028 - Oct 2029	n/a	660,647	n/a	331,313	991,960	14,224,215	n/a	n/a	n/a
Ph2 Yr15 Nov 2029 - Oct 2030	n/a	674,722	n/a	346,338	1,021,060	15,245,275	n/a	n/a	n/a
Ph2 Yr16 Nov 2030 - Oct 2031	n/a	688,798	n/a	362,084	1,050,882	16,296,157	n/a	n/a	n/a

