

## Energy Report Summary for October 2012

Prepared for:



Natural Resources  
Canada

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Canada

Canada

Prepared by:



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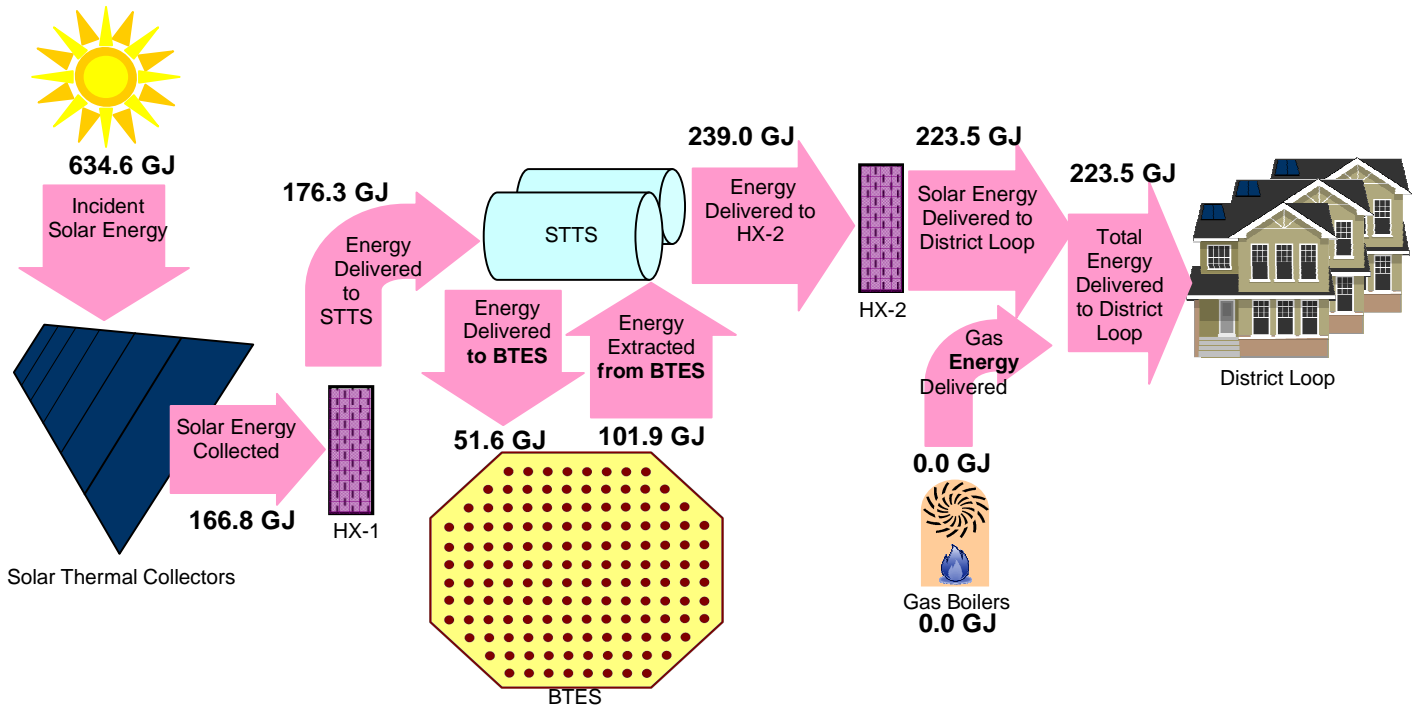
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for October 2012

This document summarizes the energy generated and used within the Drake Landing Solar Community at Okotoks, Alberta.

Additional Information may be found here: <http://www.dlsc.ca>



System Energy Diagram

<b>Table 0-1 Summary for October 2012</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2012</b>
Total Incident Solar Energy	634.6 GJ	5190.8 GJ
Total Solar Energy Collected	166.8 GJ	1840.0 GJ
Total Solar Energy Delivered to STTS	176.3 GJ	1951.8 GJ
Total Energy Delivered to BTES	51.6 GJ	1498.4 GJ
Total Energy Extracted from BTES	101.9 GJ	101.9 GJ
Total Energy Delivered from STTS to HX-2	239.0 GJ	278.7 GJ
Total Solar Energy Delivered to District Loop	223.5 GJ	264.8 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	223.5 GJ	264.8 GJ
Average Solar Collector Efficiency	26 %	35 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	94 %	95 %
Average BTES core temperature	61.2 °C	62.5 °C
PV energy generated	1.4637 GJ	5.1 GJ
Net change in energy stored in STTS	204.2 GJ	508.2 GJ
Solar Fraction	100.0 %	100.0 %