



## Energy Report Summary for September 2013

Prepared for:



Natural Resources  
Canada

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Canada

Canada

Prepared by:



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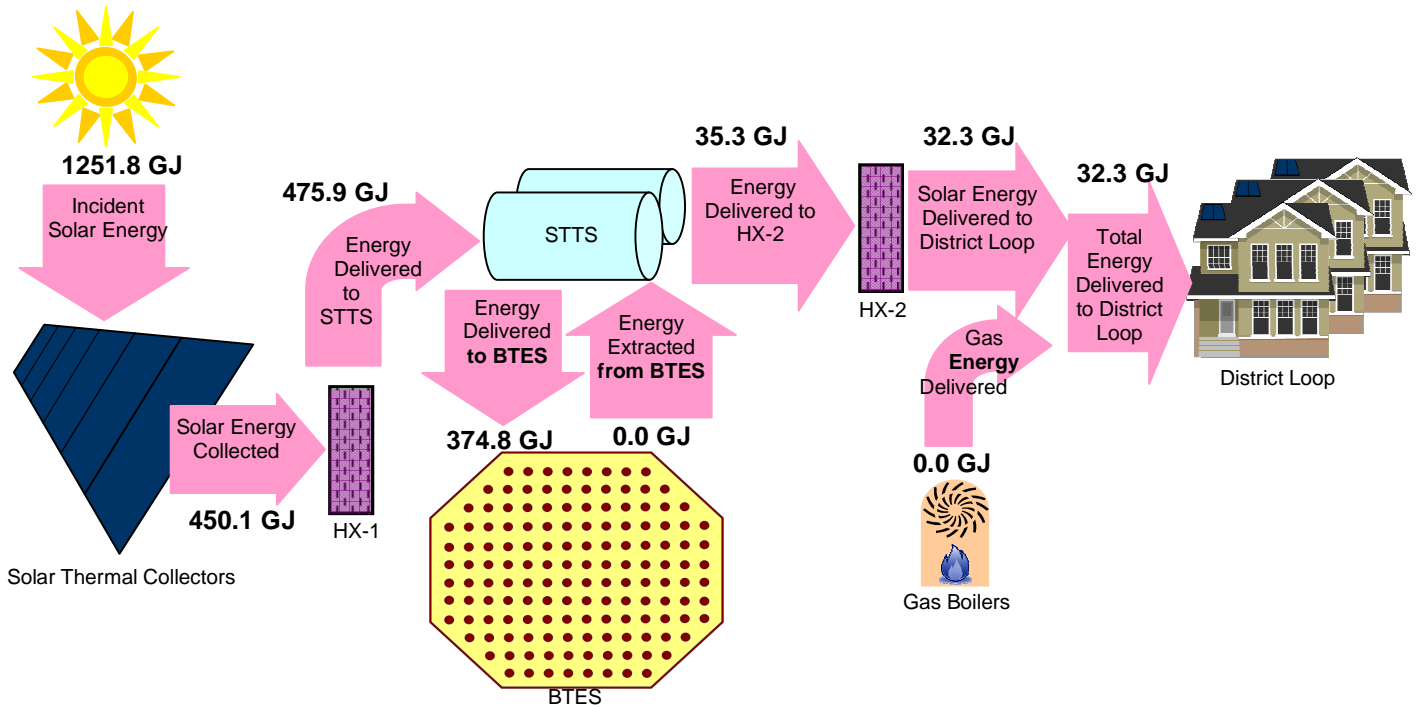
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for September 2013

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 September 2013</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2013</b>
Total Incident Solar Energy	1251.8 GJ	4043.3 GJ
Total Solar Energy Collected	450.1 GJ	1522.3 GJ
Total Solar Energy Delivered to STTS	475.9 GJ	1608.6 GJ
Total Energy Delivered to BTES	374.8 GJ	1284.2 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	35.3 GJ	59.5 GJ
Total Solar Energy Delivered to District Loop	32.3 GJ	54.3 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	32.3 GJ	54.3 GJ
Average Solar Collector Efficiency	36 %	38 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	92 %	91 %
Average BTES core temperature	62.4 °C	60.1 °C
PV energy generated	7.1 GJ	26.6 GJ
Net change in energy stored in STTS	65.8 GJ	264.9 GJ
Solar Fraction	100.0 %	100.0 %