

## Energy Report Summary for July 2011

Prepared for:



Natural Resources  
Canada

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Canada

Canada

Prepared by:



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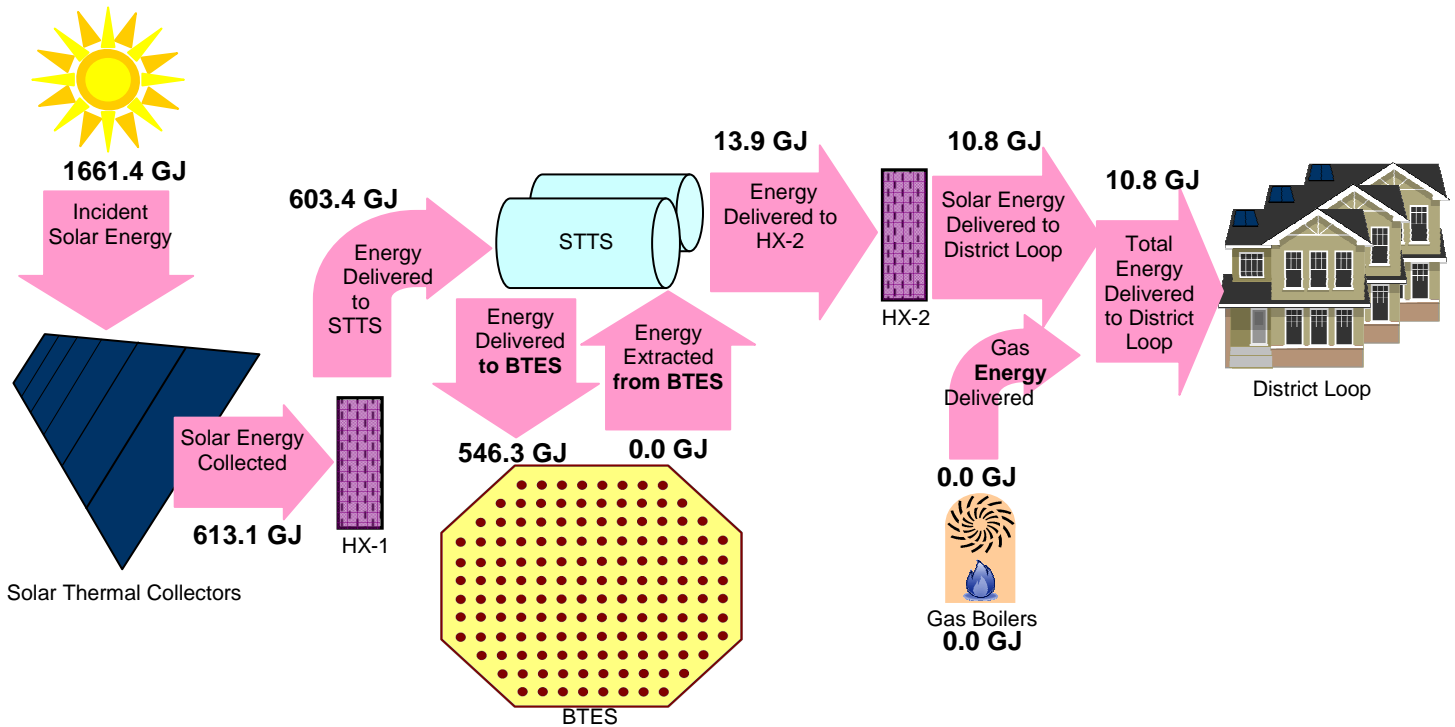
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for July 2011

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 July 2011</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2011</b>
Total Incident Solar Energy	1661.4 GJ	1661.4 GJ
Total Solar Energy Collected	613.1 GJ	613.1 GJ
Total Solar Energy Delivered to STTS	603.4 GJ	603.4 GJ
Total Energy Delivered to BTES	546.3 GJ	546.3 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	13.9 GJ	13.9 GJ
Total Solar Energy Delivered to District Loop	10.8 GJ	10.8 GJ
Natural Gas Energy Used	0.0 GJ	0.0 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	10.8 GJ	10.8 GJ
Average Solar Collector Efficiency	37 %	37 %
Average Efficiency of HX-1	98 %	98 %
Average Efficiency of HX-2	78 %	78 %
Average BTES core temperature	59.2 °C	59.2 °C
Electrical energy used	3.1 GJ	3.1 GJ
PV energy generated	1.8 GJ	1.8 GJ
Net change in energy stored in STTS	8.5 GJ	8.5 GJ
Solar Fraction	100.0 %	100.0 %