



## Energy Report Summary for September 2008

Prepared for:



Natural Resources  
Canada

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Canada

Canada

Prepared by:



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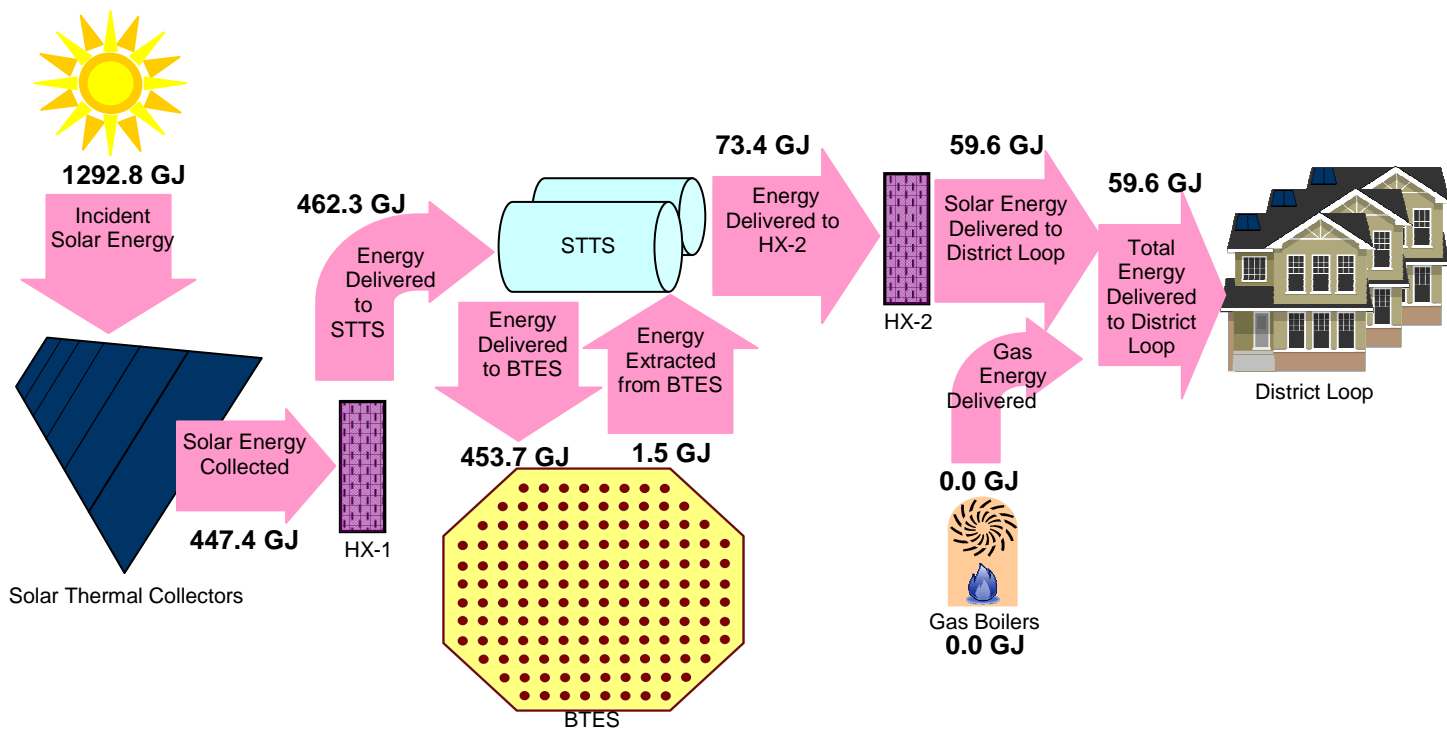
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for September 2008

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 2008</b>		
<b>Description</b>	<b>This Month</b>	<b>Since April 1, 2008</b>
Total Incident Solar Energy for the month	1292.8 GJ	8210.4 GJ
Total Solar Energy Collected for the month	447.4 GJ	2897.4 GJ
Total Solar Energy Delivered to STTS for the month	462.3 GJ	2982.0 GJ
Total Energy Delivered to BTES for the month	453.7 GJ	2378.1 GJ
Total Energy Extracted from BTES for the month	1.5 GJ	20.8 GJ
Total Energy Delivered from STTS to HX-2	73.4 GJ	596.8 GJ
Total Solar Energy Delivered to District Loop for the month	59.6 GJ	570.5 GJ
Natural Gas Energy Used	0.0 GJ	30.3 GJ
Boiler Thermal Energy Delivered to the District Loop for the month	0.0 GJ	46.1 GJ
Total Energy Delivered to District Loop for the month	59.6 GJ	616.6 GJ
Average Solar Collector Efficiency for the month	34.6%	35.3%
Average Efficiency of HX-1 for the month	103.3	102.9%
Average Efficiency of HX-2 for the month	81.2	95.6%
Average BTES core temperature for the month	56.4 °C	50.1 °C
Electrical energy used for the month	4.5 GJ	41.7 GJ
PV energy generated for the month	1.2904 GJ	8.9 GJ
Net change in energy stored in STTS during the month	17.55 GJ	31.3 GJ
Solar Fraction	100%	92.5%