



Energy Report Summary for August 2009

Prepared for:



Natural Resources
Canada

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Canada

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PROPRIETARY

Drake Landing Solar Community Energy Overview for August 2009

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>

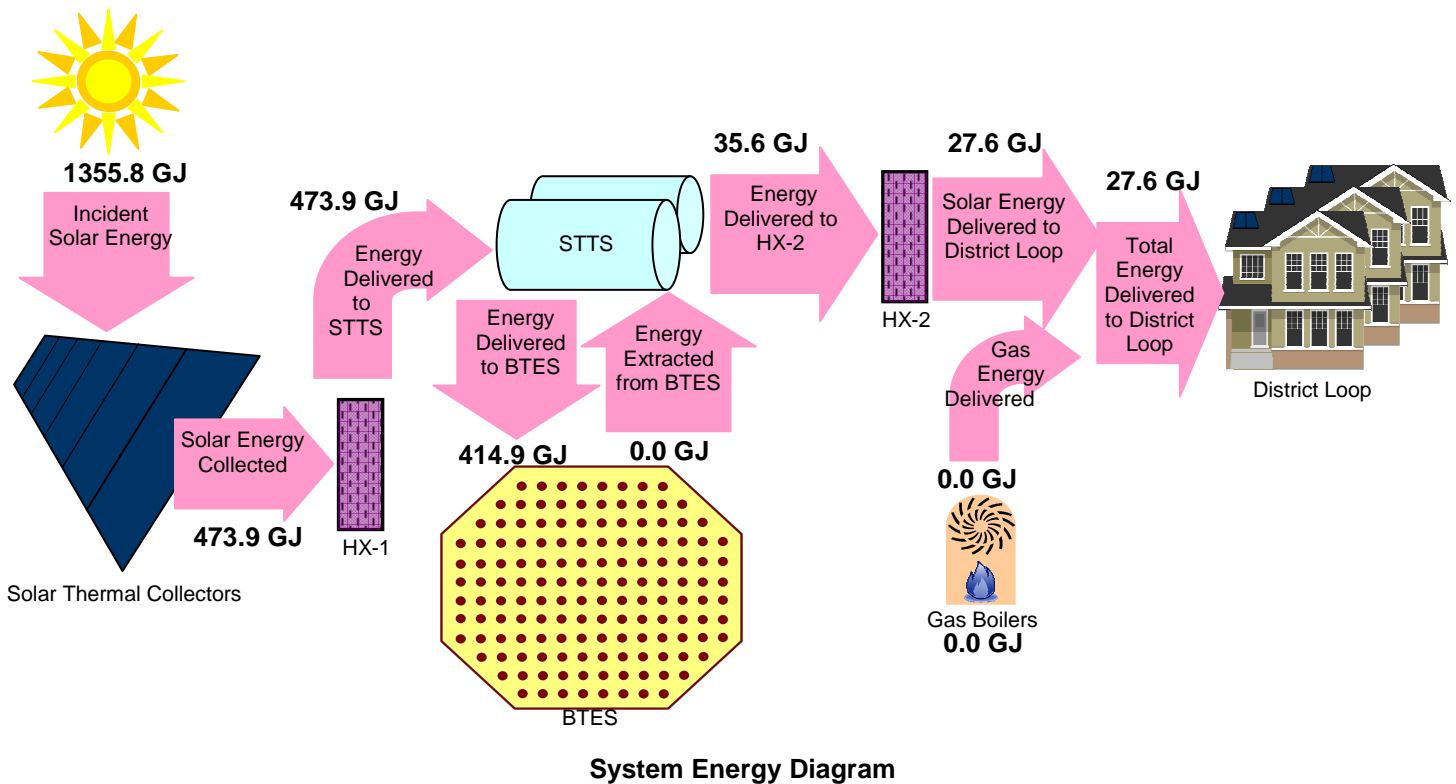


Table 1 Summary for August 2009		
Description	This Month	Since July 1, 2008
Total Incident Solar Energy	1355.8 GJ	2874.4 GJ
Total Solar Energy Collected	473.9 GJ	1007.6 GJ
Total Solar Energy Delivered to STTS	473.9 GJ	1012.8 GJ
Total Energy Delivered to BTES	414.9 GJ	903.9 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	35.6 GJ	62.5 GJ
Total Solar Energy Delivered to District Loop	27.6 GJ	49.0 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	27.6 GJ	49.0 GJ
Average Solar Collector Efficiency	35.0%	35.1%
Average Efficiency of HX-1	100%	100.5%
Average Efficiency of HX-2	77.5%	78.4%
Average BTES core temperature	37.5 °C	37.6 °C
Electrical energy used	0.0 GJ	0.0 GJ
PV energy generated	1.4170 GJ	3.1 GJ
Net change in energy stored in STTS	4.76 GJ	10.9 GJ
Solar Fraction	100%	100.0%