



Energy Report Summary for October 2008

Prepared for:



Natural Resources Canada
Ressources naturelles Canada

Canada

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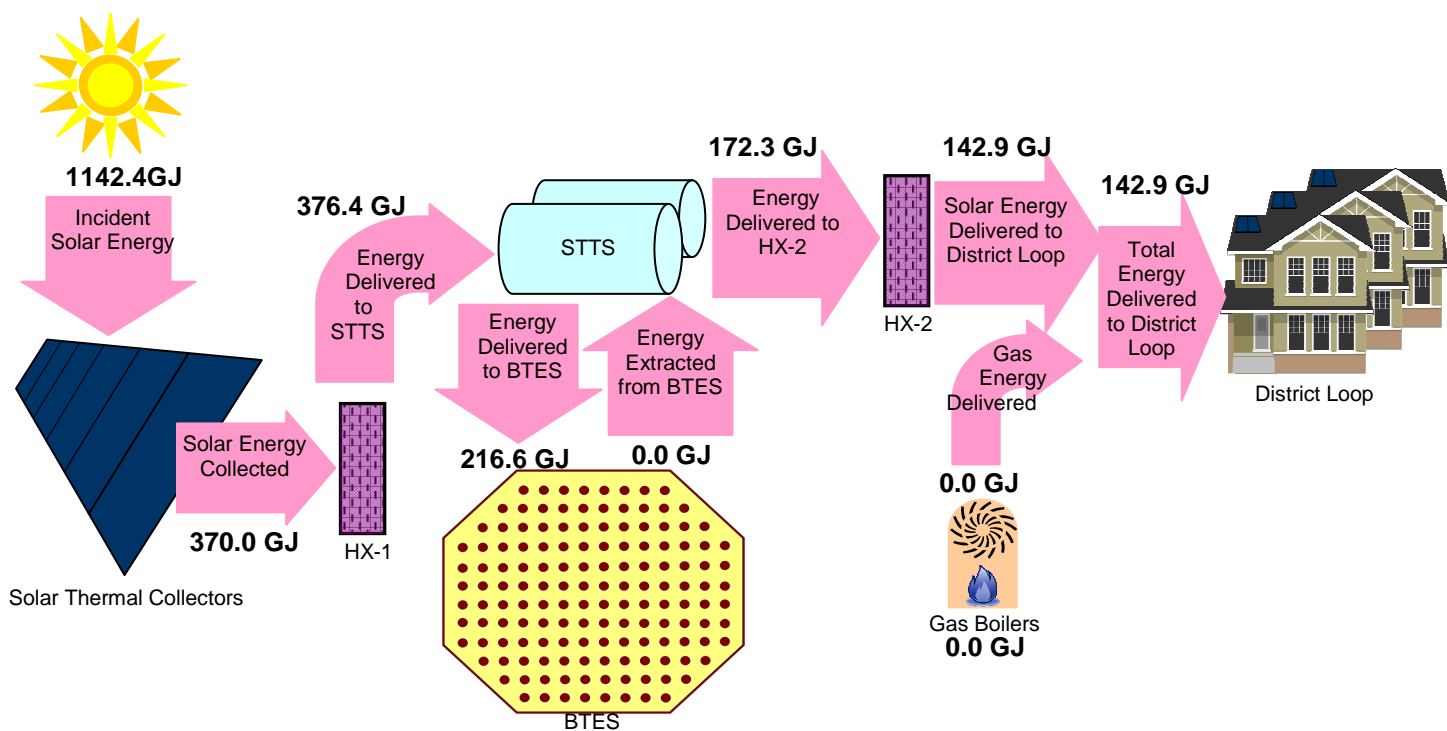
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PROPRIETARY

Drake Landing Solar Community Energy Overview for October 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

Table 0-1 Summary for October 2008		
Description	This Month	Since April 1, 2008
Total Incident Solar Energy for the month	1142.4 GJ	9352.8 GJ
Total Solar Energy Collected for the month	370.0 GJ	3267.4 GJ
Total Solar Energy Delivered to STTS for the month	376.4 GJ	3358.4 GJ
Total Energy Delivered to BTES for the month	216.6 GJ	2594.7 GJ
Total Energy Extracted from BTES for the month	0.0 GJ	20.8 GJ
Total Energy Delivered from STTS to HX-2	172.3 GJ	769.1 GJ
Total Solar Energy Delivered to District Loop for the month	142.9GJ	713.4 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	142.9 GJ	759.5 GJ
Average Solar Collector Efficiency for the month	32.4%	34.9%
Average Efficiency of HX-1 for the month	101.7%	102.8%
Average Efficiency of HX-2 for the month	83.9%	92.8%
Average BTES core temperature for the month	54.9 °C	50.8 °C
Electrical energy used for the month	4.1 GJ	45.9 GJ
PV energy generated for the month	1.0666 GJ	9.9 GJ
Net change in energy stored in STTS during the month	-23.0 GJ	8.3 GJ
Solar Fraction	100%	93.9%