



Energy Report Summary for June 2008

Prepared for:



Natural Resources
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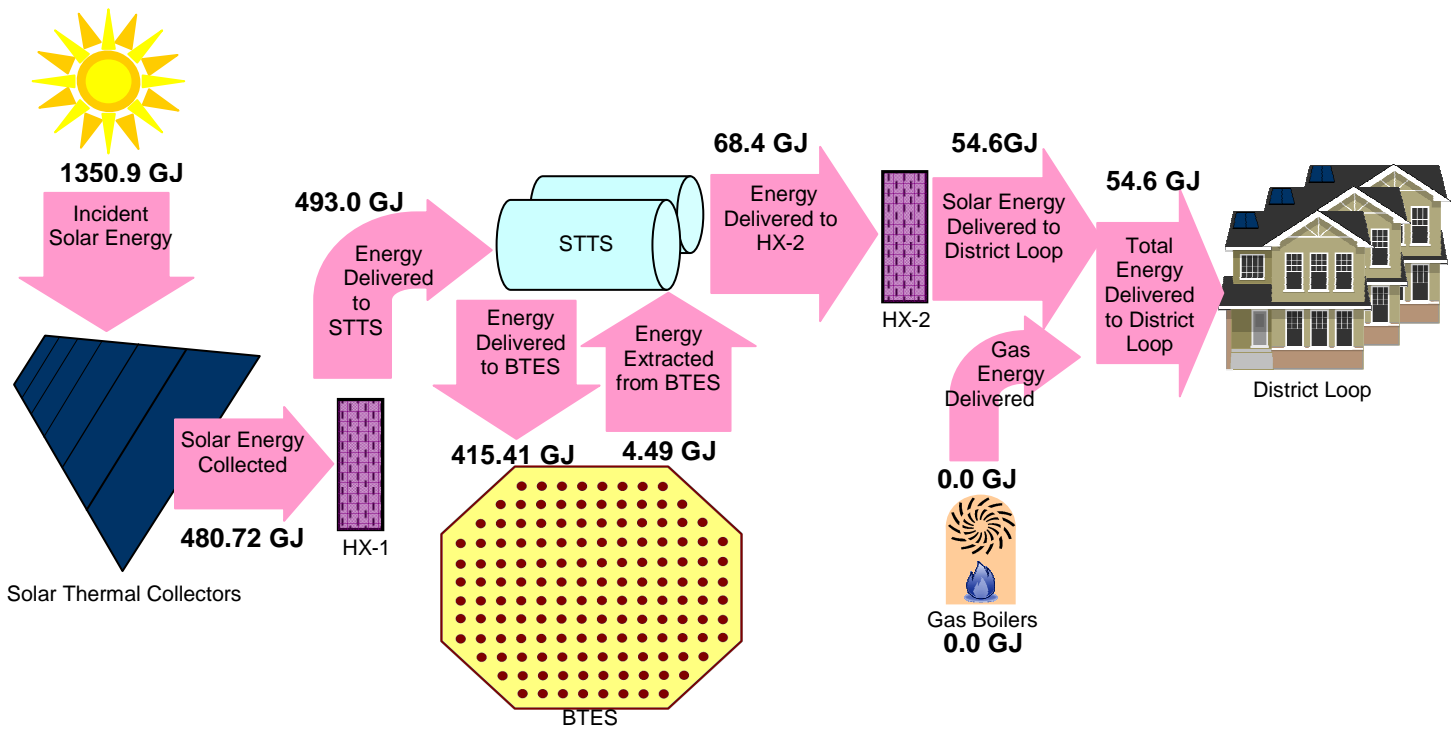
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PROPRIETARY

Drake Landing Solar Community Energy Overview for June 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

Summary for June 2008		
Description	This Month	Since April 1, 2007
Total Incident Solar Energy for the month	1350.9 GJ	3936.3 GJ
Total Solar Energy Collected for the month ¹	480.72 GJ	1372.0 GJ
Total Solar Energy Delivered to STTS for the month	493.0 GJ	1402.8 GJ
Total Energy Delivered to BTES for the month	415.41 GJ	891.6 GJ
Total Energy Extracted from BTES for the month	4.49 GJ	19.3 GJ
Total Energy Delivered from STTS to HX-2	68.4 GJ	464.5 GJ
Total Solar Energy Delivered to District Loop for the month	54.6 GJ	387.1 GJ
Natural Gas Energy Used	0.00 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	54.6 GJ	433.2 GJ
Average Solar Collector Efficiency for the month	35.6%	34.9%
Average Efficiency of HX-1 for the month	103%	102.2%
Average Efficiency of HX-2 for the month	79.8%	83.3%
Average BTES core temperature for the month	48.61 °C	43.7 °C
Electrical energy used for the month	6.55 GJ	6.6 GJ
PV energy generated for the month	1.530 GJ	4.3 GJ
Net change in energy stored in STTS during the month	-1.19 GJ	20.8 GJ
Solar Fraction	100%	89.4%

¹ Corrected for glycol concentration variance