



Energy Report Summary for August 2007

Prepared for:



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Prepared by:



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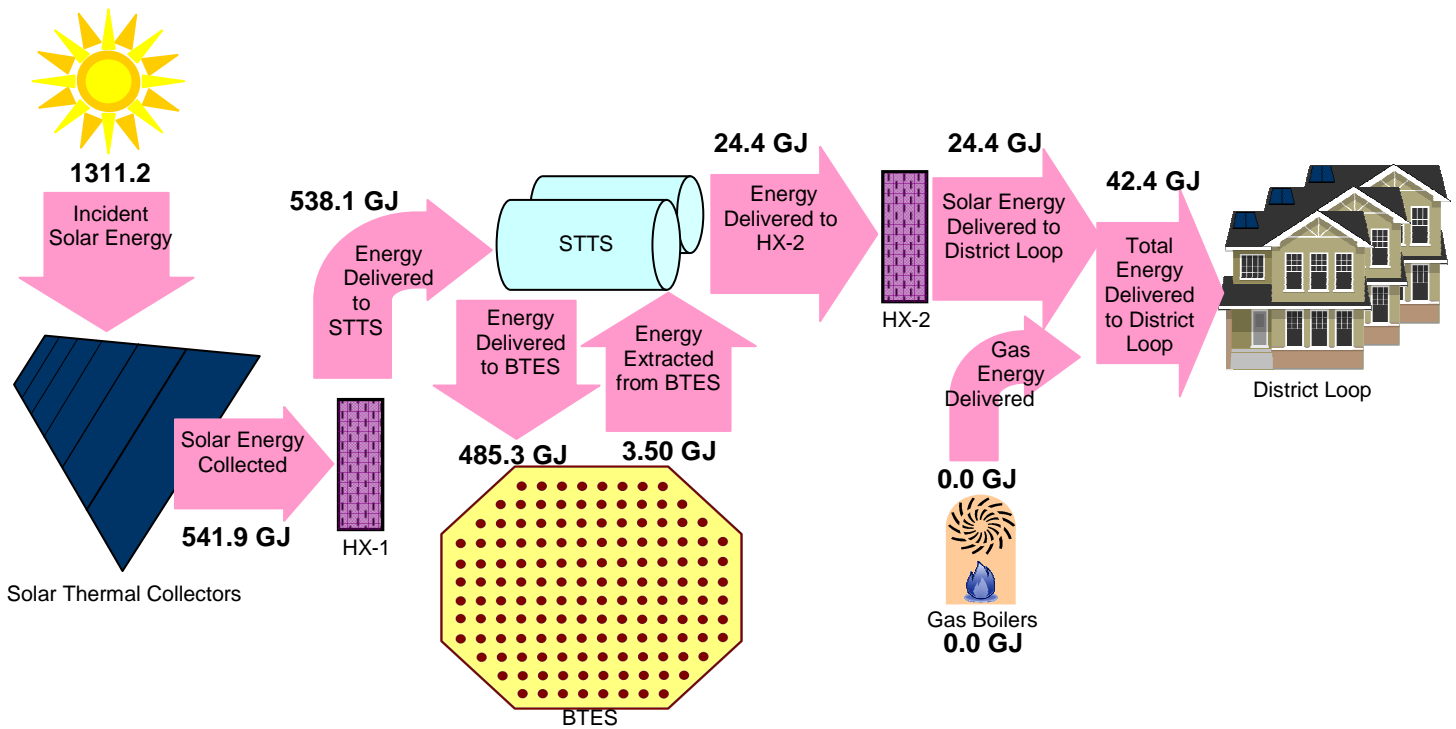
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PROPRIETARY

Drake Landing Solar Community Energy Overview for August 2007

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 August 2007		
Description	This Month	Since July 1, 2007
Total Incident Solar Energy for the month	1311.2 GJ	3028 GJ
Total Solar Energy Collected for the month	541.9 GJ	1269 GJ
Total Solar Energy Delivered to STTS for the month	538.1 GJ	1331 GJ
Total Energy Delivered to BTES for the month	485.3 GJ	1228.3 GJ
Total Energy Extracted from BTES for the month	3.50 GJ	3.5 GJ
Total Energy Delivered from STTS to HX-2	24.4 GJ	42.8 GJ
Total Solar Energy Delivered to District Loop for the month	42.4 GJ	75.0 GJ
Natural Gas Energy Used	0.0 GJ	3.7 GJ
Boiler Thermal Energy Delivered to the District Loop for the month	0.0 GJ	0.6 GJ
Total Energy Delivered to District Loop for the month	42.4 GJ	75.5 GJ
Average Solar Collector Efficiency for the month	41.3%	41.9%
Average Efficiency of HX-1 for the month	99.3%	95%
Average Efficiency of HX-2 for the month	174%	175%
Average BTES core temperature for the month	43.18 °C	42.83 °C
Average BTES core temperature at start of month	43.71 °C	43.98 °C
Average BTES core temperature at end of month	45.17 °C	44.44 °C
Change in average BTES core Temperature during the month	1.45 °C	0.46
Electrical energy used for the month	4.86 GJ	24.83 GJ
PV energy generated for the month	0.34 GJ	0.34 GJ
Net change in energy stored in STTS during the month	- 3.36 GJ	-8.93 GJ
Solar Fraction	100%	99%