



Energy Report Summary for June 2009

Prepared for:



Natural Resources
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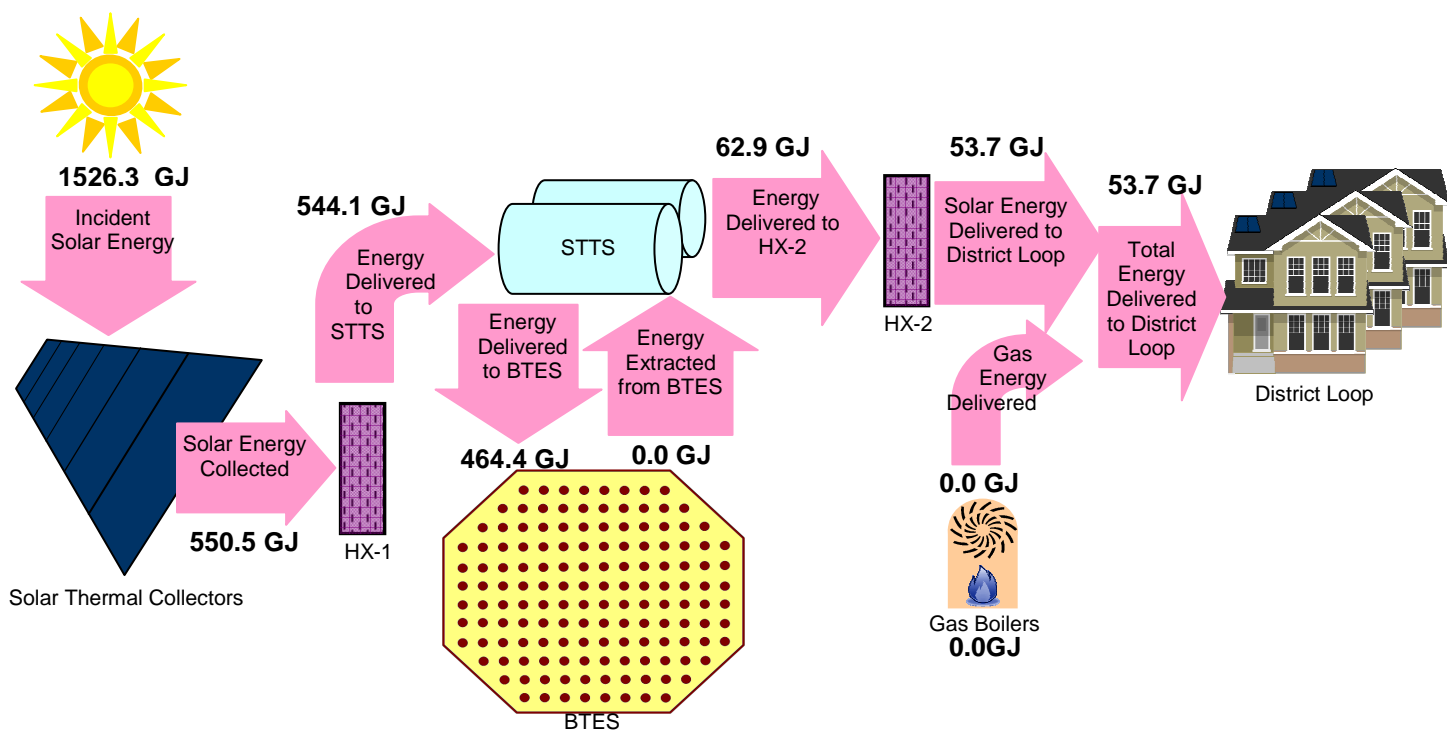
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Drake Landing Solar Community Energy Overview for June 2009

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>



System Energy Diagram

Table 1 Summary for June 2009		
Description	This Month	Since July 1, 2008
Total Incident Solar Energy	1526.3 GJ	13903.9 GJ
Total Solar Energy Collected	550.5 GJ	4581.3 GJ
Total Solar Energy Delivered to STTS	544.1 GJ	4330.3 GJ
Total Energy Delivered to BTES	464.4 GJ	2813.3 GJ
Total Energy Extracted from BTES	0.0 GJ	561.7 GJ
Total Energy Delivered from STTS to HX-2	62.9 GJ	1737.1 GJ
Total Solar Energy Delivered to District Loop	53.7 GJ	1791.9 GJ
Natural Gas Energy Used	0.0 GJ	1192.5 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	1172.2 GJ
Total Energy Delivered to District Loop	53.7 GJ	2964.1 GJ
Average Solar Collector Efficiency	36.1%	32.9%
Average Efficiency of HX-1	98.8%	94.5%
Average Efficiency of HX-2	85.4%	103.2%
Average BTES core temperature	34.8 °C	44.2 °C
Electrical energy used	0.0 GJ	90.2 GJ
PV energy generated	1.6855 GJ	13.7 GJ
Net change in energy stored in STTS	1.93 GJ	8.2 GJ
Solar Fraction	100%	60.5%