

Energy Report Summary for April 2013

Prepared for:



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Prepared by:



*Science Applications International Corporation
(SAIC Canada)*

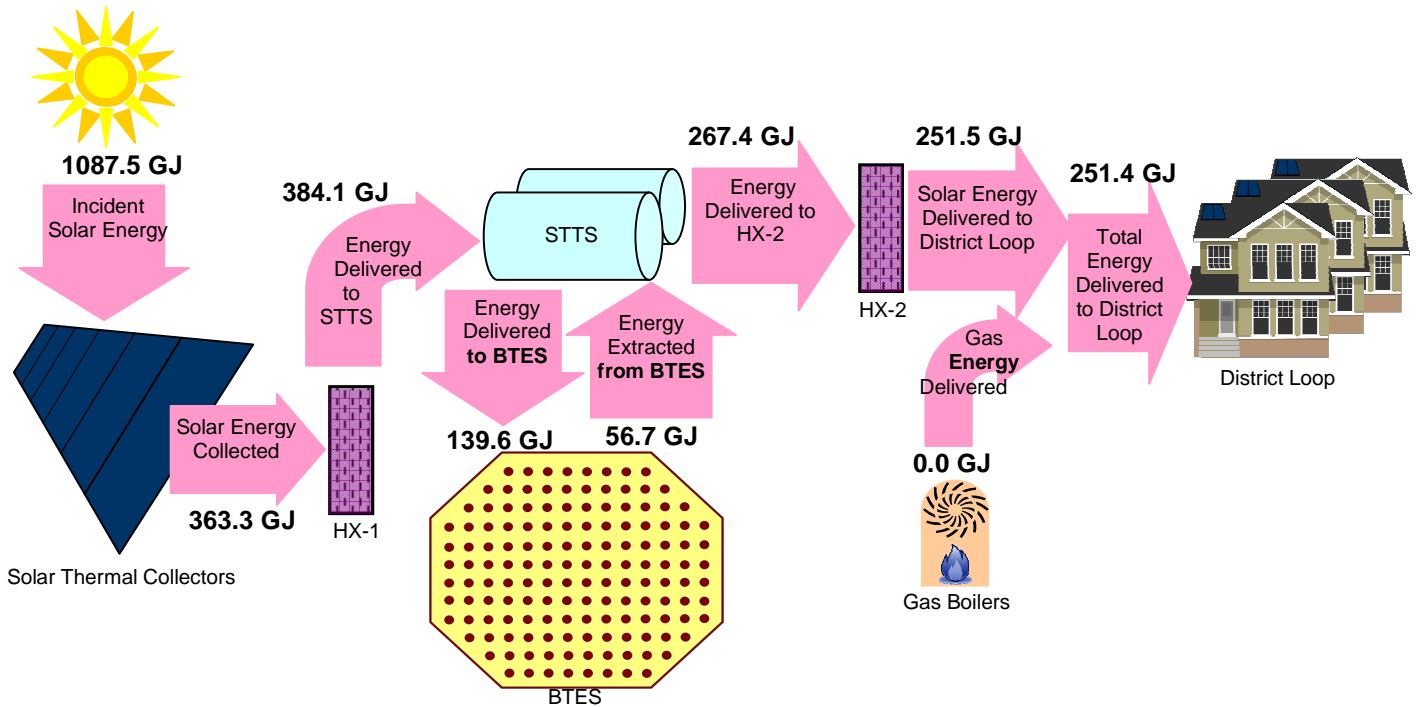
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PROPRIETARY

Drake Landing Solar Community Energy Overview for April 2013

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 April 2013		
Description	This Month	Since July 1, 2012
Total Incident Solar Energy	1087.5 GJ	10114.3 GJ
Total Solar Energy Collected	363.3 GJ	3352.9 GJ
Total Solar Energy Delivered to STTS	384.1 GJ	3559.3 GJ
Total Energy Delivered to BTES	139.6 GJ	1808.2 GJ
Total Energy Extracted from BTES	56.7 GJ	1305.5 GJ
Total Energy Delivered from STTS to HX-2	267.4 GJ	2604.1 GJ
Total Solar Energy Delivered to District Loop	251.5 GJ	2359.6 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	58.6 GJ
Total Energy Delivered to District Loop	251.4 GJ	2418.1 GJ
Average Solar Collector Efficiency	33 %	33 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	94 %	91 %
Average BTES core temperature	46.4 °C	55.0 °C
PV energy generated	8.9125 GJ	24.5 GJ
Net change in energy stored in STTS	-61.4 GJ	545.2 GJ
Solar Fraction	100.0 %	97.6 %