



Energy Report Summary for October 2013

Prepared for:



Natural Resources
Canada

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Canada

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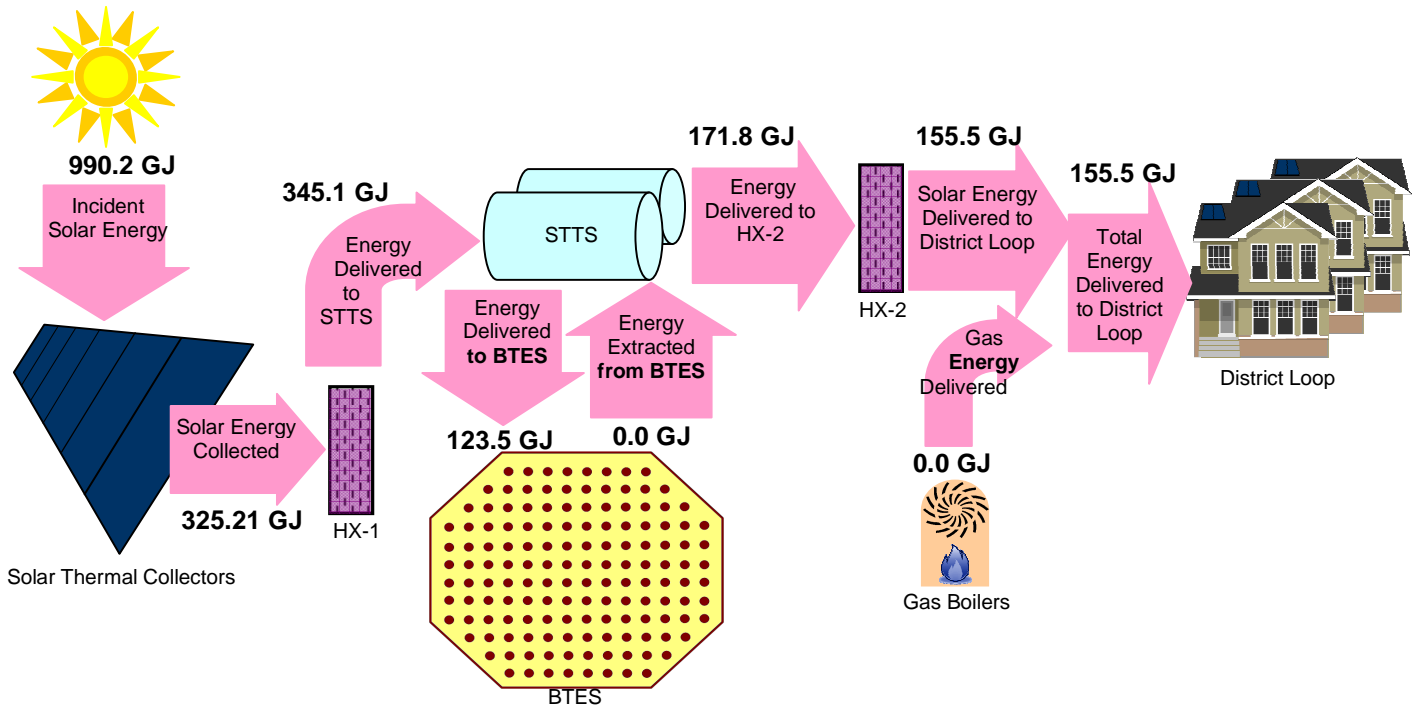
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PROPRIETARY

Drake Landing Solar Community Energy Overview for October 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 October 2013		
Description	This Month	Since July 1, 2013
Total Incident Solar Energy	990.2 GJ	5033.5 GJ
Total Solar Energy Collected	325.2 GJ	1847.5 GJ
Total Solar Energy Delivered to STTS	345.1 GJ	1953.7 GJ
Total Energy Delivered to BTES	123.5 GJ	1407.7 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	171.8 GJ	231.3 GJ
Total Solar Energy Delivered to District Loop	155.5 GJ	209.8 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	155.5 GJ	209.8 GJ
Average Solar Collector Efficiency	33 %	37 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	91 %	91 %
Average BTES core temperature	59.9 °C	60.0 °C
PV energy generated	4.2 GJ	30.8 GJ
Net change in energy stored in STTS	65.8 GJ	330.7 GJ
Solar Fraction	100.0 %	100.0 %