

## Energy Report Summary for June 2013

Prepared for:



Natural Resources  
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Canada

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Prepared by:



*Science Applications International Corporation  
(SAIC Canada)*

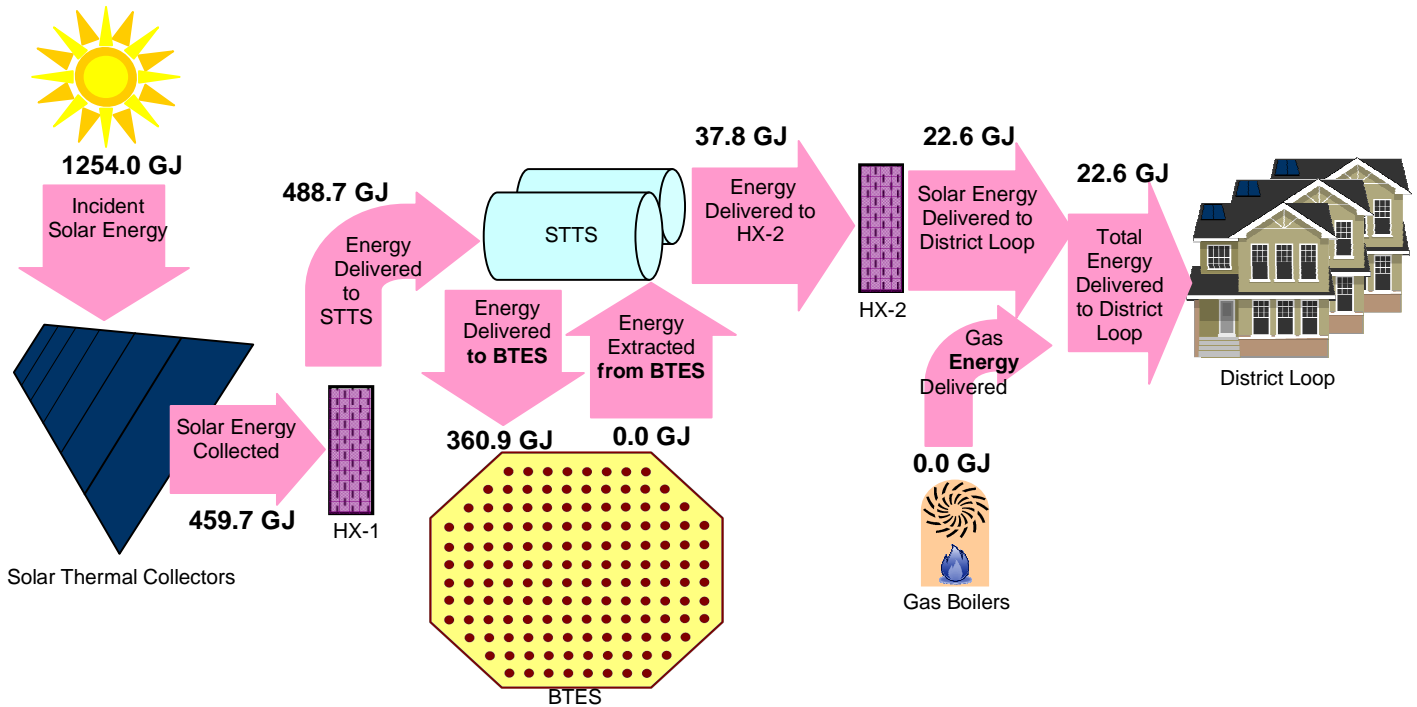
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for June 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

<b>Table 0-1 Summary for June 2013</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2012</b>
Total Incident Solar Energy	1254.0 GJ	12702.9 GJ
Total Solar Energy Collected	459.7 GJ	4328.3 GJ
Total Solar Energy Delivered to STTS	488.7 GJ	4590.3 GJ
Total Energy Delivered to BTES	360.9 GJ	2566.2 GJ
Total Energy Extracted from BTES	0.0 GJ	1306.9 GJ
Total Energy Delivered from STTS to HX-2	37.8 GJ	2719.9 GJ
Total Solar Energy Delivered to District Loop	22.6 GJ	2435.0 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	58.6 GJ
Total Energy Delivered to District Loop	22.6 GJ	2493.5 GJ
Average Solar Collector Efficiency	37 %	34 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	60 %	90 %
Average BTES core temperature	51.4 °C	54.4 °C
PV energy generated <sup>1</sup>	12.3840 GJ	49.0 GJ
Net change in energy stored in STTS	49.8 GJ	663.6 GJ
Solar Fraction	100.0 %	97.7 %

<sup>1</sup> Year to date PV energy generated is does not include data from the expanded until January 2013.