



## Energy Report Summary for November 2013

Prepared for:



Natural Resources  
Canada

Ressources Naturelles  
Canada

Canada

Prepared by:



**leidos**



*Leidos Canada  
(Formerly SAIC Canada)*

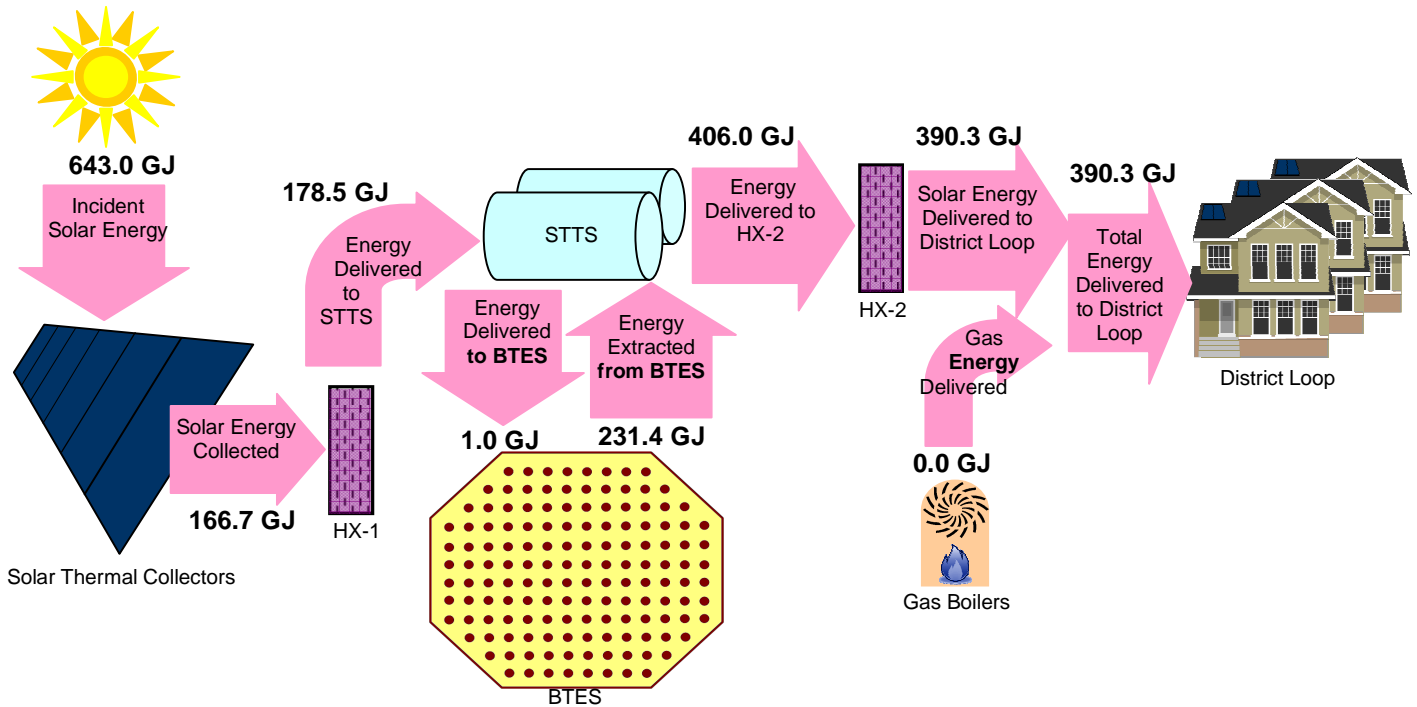
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for November 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 November 2013</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2013</b>
Total Incident Solar Energy	643.0 GJ	5676.5 GJ
Total Solar Energy Collected	166.7 GJ	2014.2 GJ
Total Solar Energy Delivered to STTS	178.5 GJ	2132.2 GJ
Total Energy Delivered to BTES	1.0 GJ	1408.7 GJ
Total Energy Extracted from BTES	231.4 GJ	231.4 GJ
Total Energy Delivered from STTS to HX-2	406.0 GJ	637.3 GJ
Total Solar Energy Delivered to District Loop	390.3 GJ	600.1 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	390.3 GJ	600.1 GJ
Average Solar Collector Efficiency	26 %	35 %
Average Efficiency of HX-1	107 %	106 %
Average Efficiency of HX-2	96 %	94 %
Average BTES core temperature	57.1 °C	59.4 °C
PV energy generated	1.3 GJ	32.2 GJ
Net change in energy stored in STTS	2.9 GJ	333.6 GJ
Solar Fraction	100.0 %	100.0 %