



## Energy Report Summary for November 2015

Prepared for:



Natural Resources  
Canada

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Canada

Canada

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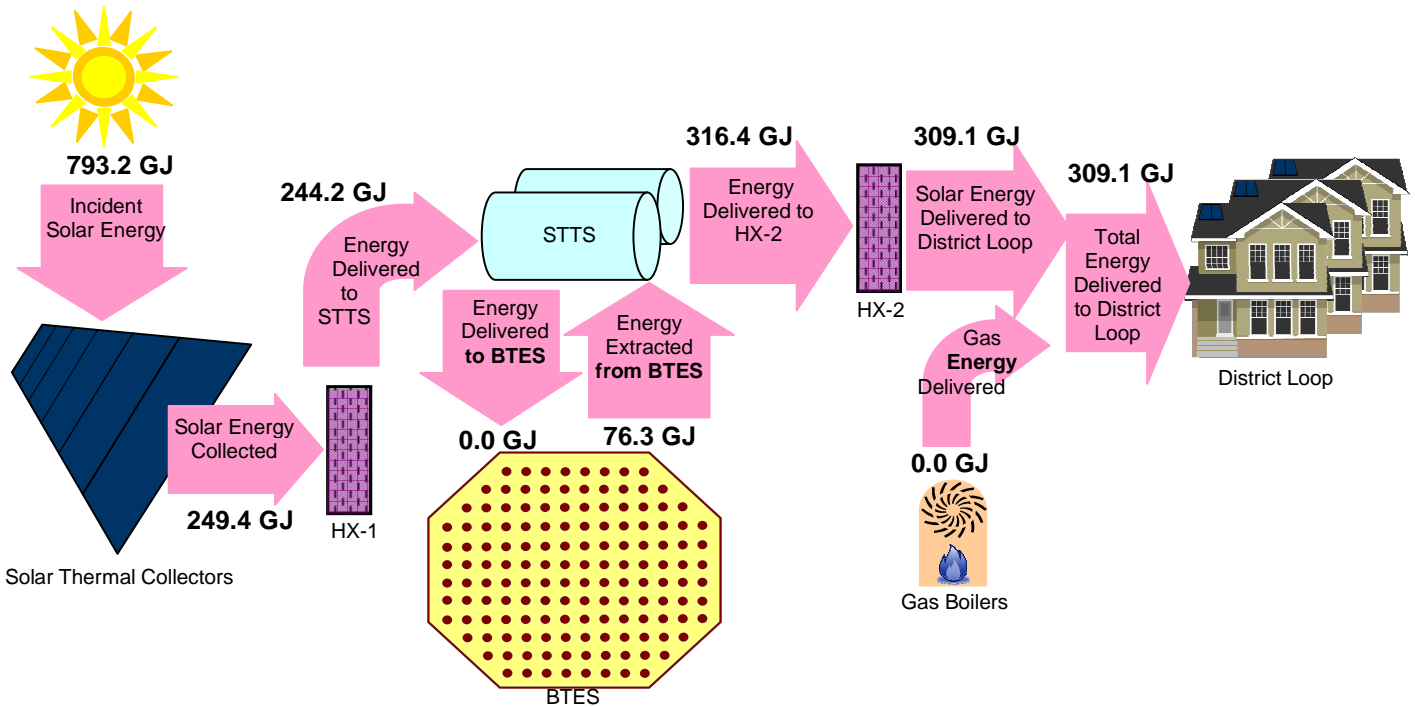
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**PROPRIETARY**

## Drake Landing Solar Community Energy Overview for November 2015

This document summarizes the energy generated and used within the Drake Landing Solar Community at Okotoks Alberta.

Additional Information can be found here: <http://www.dlsc.ca>



System Energy Diagram

<b>Table 0-1 Summary for November 2015</b>		
<b>Description</b>	<b>This Month</b>	<b>Since July 1, 2015</b>
Total Incident Solar Energy	793.2 GJ	5624.8 GJ
Total Solar Energy Collected	249.4 GJ	1955.6 GJ
Total Solar Energy Delivered to STTS	244.2 GJ	1957.8 GJ
Total Energy Delivered to BTES	0.0 GJ	1336.4 GJ
Total Energy Extracted from BTES	76.3 GJ	76.4 GJ
Total Energy Delivered from STTS to HX-2	316.4 GJ	583.5 GJ
Total Solar Energy Delivered to District Loop	309.1 GJ	544.5 GJ
Natural Gas Energy Used	0.0 GJ <sup>1</sup>	0.0 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	309.1 GJ	544.5 GJ
Average Solar Collector Efficiency	31 %	35 %
Average Efficiency of HX-1	98 %	100 %
Average Efficiency of HX-2	98 %	93 %
Average BTES core temperature	- °C	- °C
Electrical energy used	9.0520 GJ	30.0 GJ <sup>2</sup>
PV energy generated	1.8599 GJ	33.9 GJ
Net change in energy stored in STTS	4.1 GJ	114.3 GJ
Solar Fraction	100.0 %	100.0 %

<sup>1</sup> Gas consumption is reported during monthly maintenance inspections which may not coincide with the reporting period. The reported gas consumption is for the period between October 30, and December 1, 2015

<sup>2</sup> Since June 30, 2015.