

Energy Report Summary for November 2012

Prepared for:



Natural Resources
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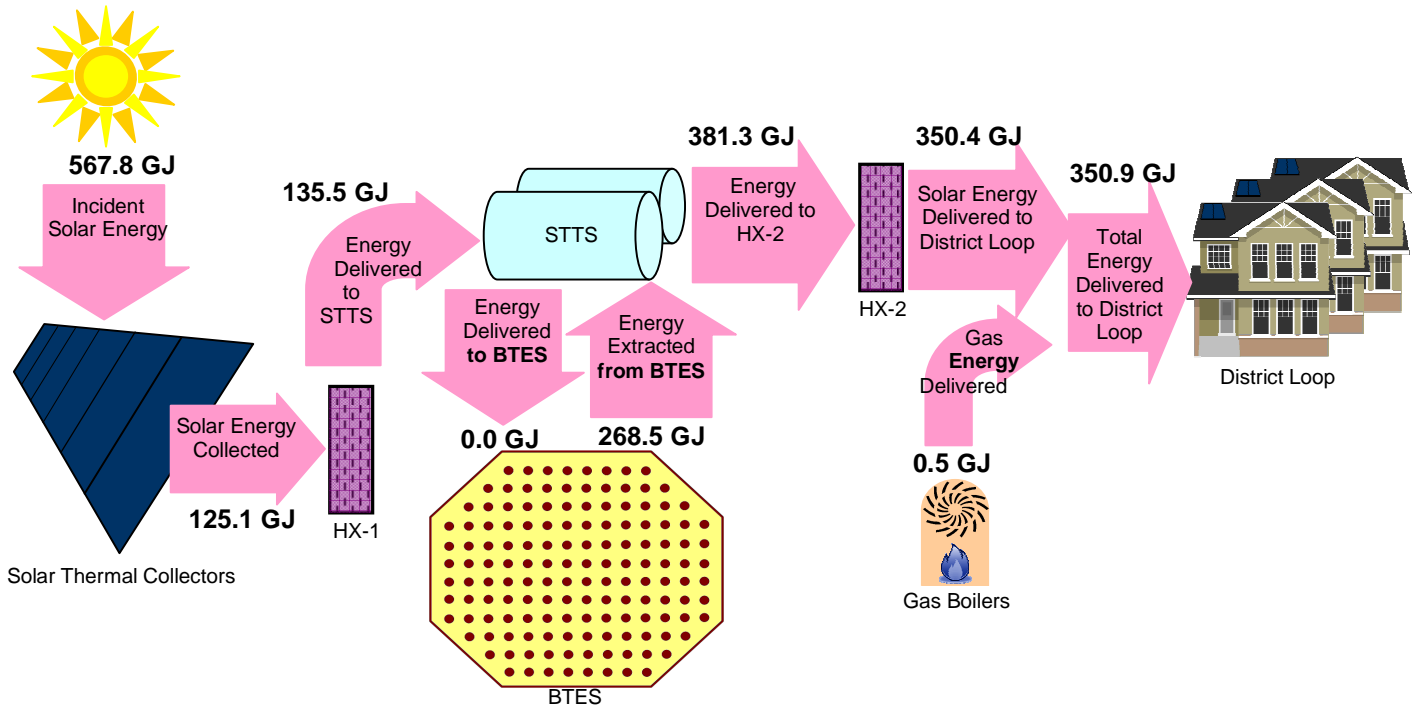
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Drake Landing Solar Community Energy Overview for November 2012

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 November 2012		
Description	This Month	Since July 1, 2012
Total Incident Solar Energy	567.8 GJ	5758.6 GJ
Total Solar Energy Collected	125.1 GJ	1965.0 GJ
Total Solar Energy Delivered to STTS	135.5 GJ	2087.2 GJ
Total Energy Delivered to BTES	0.0 GJ	1498.4 GJ
Total Energy Extracted from BTES	268.5 GJ	370.5 GJ
Total Energy Delivered from STTS to HX-2	381.3 GJ	660.0 GJ
Total Solar Energy Delivered to District Loop	350.4 GJ	615.2 GJ
Boiler Thermal Energy Delivered to the District Loop	0.5 GJ	0.5 GJ
Total Energy Delivered to District Loop	350.9 GJ	615.6 GJ
Average Solar Collector Efficiency	22 %	34 %
Average Efficiency of HX-1	108 %	106 %
Average Efficiency of HX-2	92 %	93 %
Average BTES core temperature	58.7 °C	61.8 °C
PV energy generated	0.4450 GJ	5.5 GJ
Net change in energy stored in STTS	165.0 GJ	512.3 GJ
Solar Fraction	99.9 %	99.9 %