

Energy Report Summary for February 2013

Prepared for:



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Prepared by:



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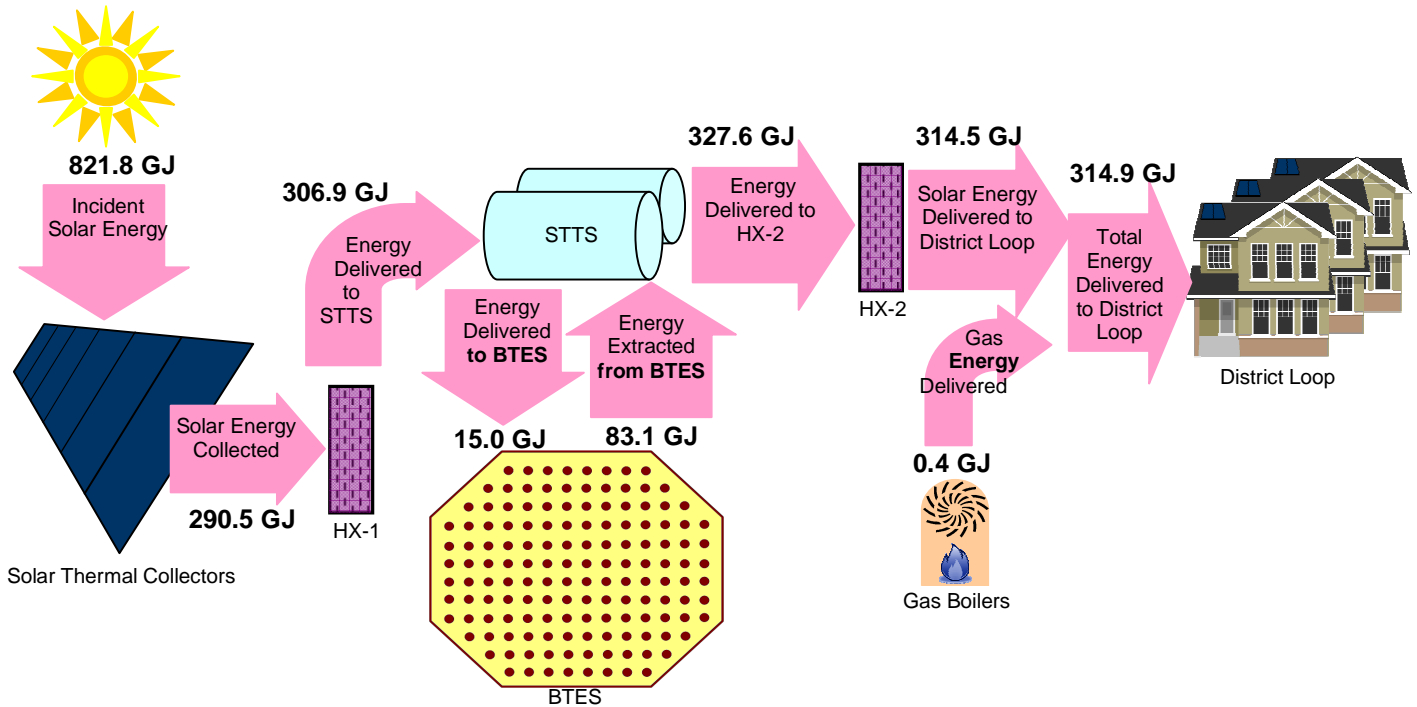
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Drake Landing Solar Community Energy Overview for February 2013

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 February 2013		
Description	This Month	Since July 1, 2012
Total Incident Solar Energy	821.8 GJ	7806.8 GJ
Total Solar Energy Collected	290.5 GJ	2534.4 GJ
Total Solar Energy Delivered to STTS	306.9 GJ	2696.8 GJ
Total Energy Delivered to BTES	15.0 GJ	1513.5 GJ
Total Energy Extracted from BTES	83.1 GJ	1162.6 GJ
Total Energy Delivered from STTS to HX-2	327.6 GJ	1974.1 GJ
Total Solar Energy Delivered to District Loop	314.5 GJ	1761.2 GJ
Boiler Thermal Energy Delivered to the District Loop	0.4 GJ	57.3 GJ
Total Energy Delivered to District Loop	314.9 GJ	1818.5 GJ
Average Solar Collector Efficiency	35 %	32 %
Average Efficiency of HX-1	106 %	106 %
Average Efficiency of HX-2	96 %	89 %
Average BTES core temperature	46.7 °C	57.4 °C
PV energy generated	4.2778 GJ	7.9 GJ
Net change in energy stored in STTS	-86.5 GJ	524.7 GJ
Solar Fraction	99.9 %	96.8 %