

Energy Report Summary for April 2012

Prepared for:



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Prepared by:



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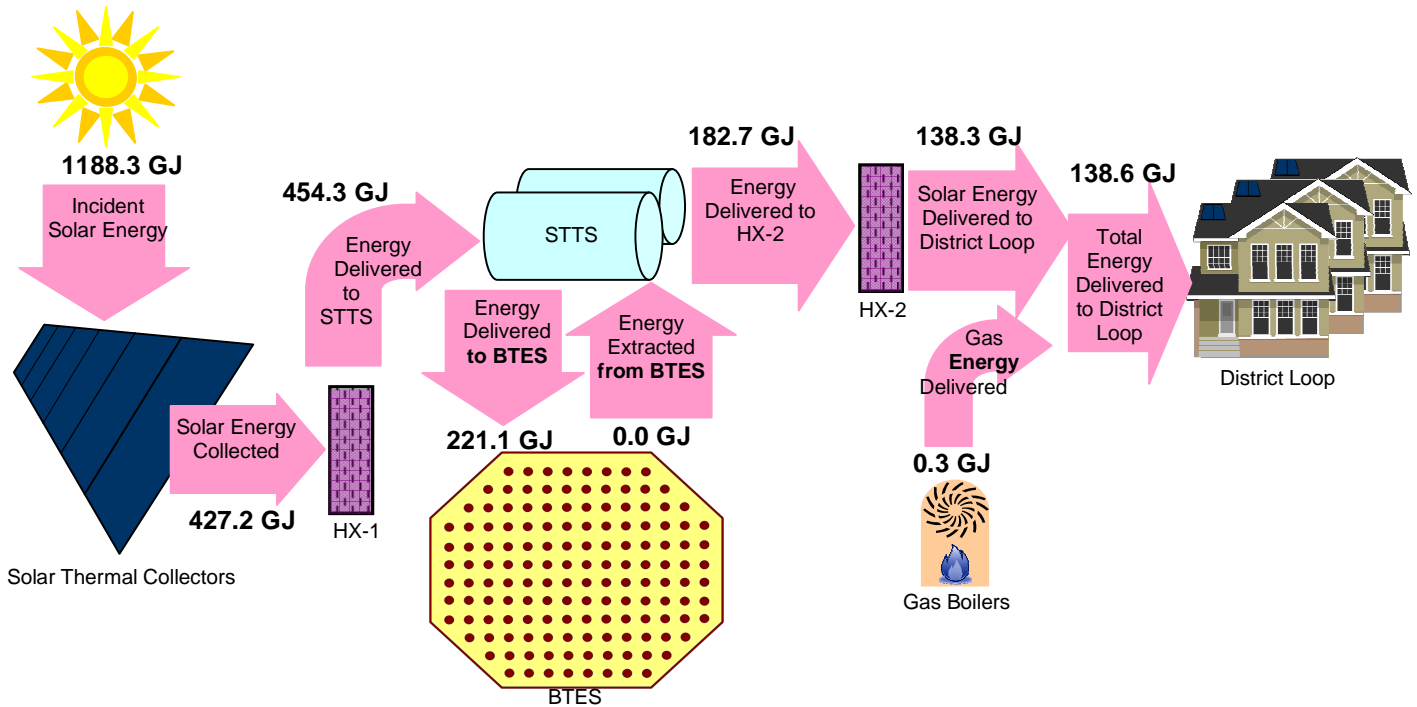
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Drake Landing Solar Community Energy Overview for April 2012

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 April 2012		
Description	This Month	Since July 1, 2011
Total Incident Solar Energy	1188.3 GJ	10435.2 GJ
Total Solar Energy Collected	427.2 GJ	3573.7 GJ
Total Solar Energy Delivered to STTS	454.3 GJ	3670.2 GJ
Total Energy Delivered to BTES	221.1 GJ	1895.1 GJ
Total Energy Extracted from BTES	0.0 GJ	902.6 GJ
Total Energy Delivered from STTS to HX-2	182.7 GJ	2245.2 GJ
Total Solar Energy Delivered to District Loop	138.3 GJ	1915.7 GJ
Boiler Thermal Energy Delivered to the District Loop	0.3 GJ	67.6 GJ
Total Energy Delivered to District Loop	138.6 GJ	1986.5 GJ
Average Solar Collector Efficiency	36 %	34 %
Average Efficiency of HX-1	106 %	103 %
Average Efficiency of HX-2	76 %	85 %
Average BTES core temperature	50.8 °C	57.4 °C
PV energy generated	1.2750 GJ	9.6 GJ
Net change in energy stored in STTS	-7.06 GJ	-17.9 GJ
Solar Fraction	99.8 %	96.4 %