

Energy Report Summary for August 2012

Prepared for:



Natural Resources
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Prepared by:



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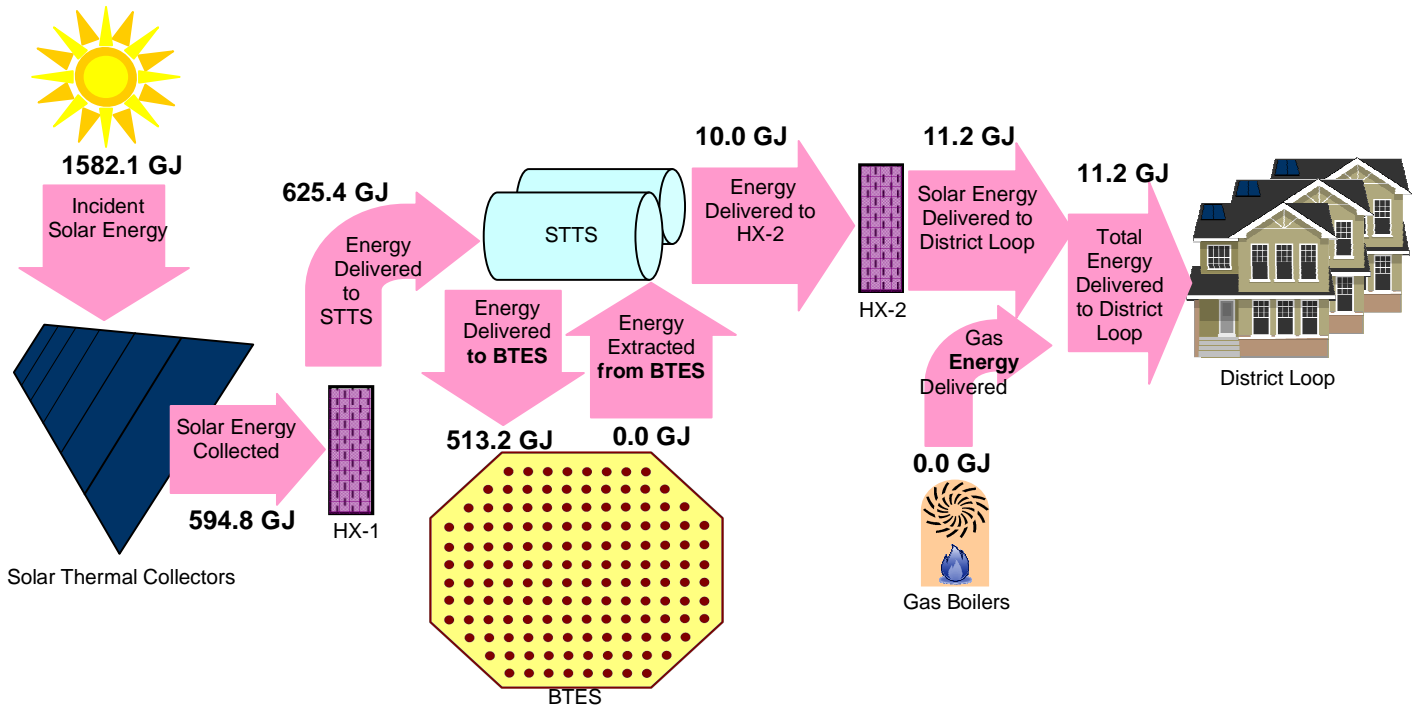
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Drake Landing Solar Community Energy Overview for August 2012

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 August 2012		
Description	This Month	Since July 1, 2012
Total Incident Solar Energy	1582.1 GJ	3057.7 GJ
Total Solar Energy Collected	594.8 GJ	1139.2 GJ
Total Solar Energy Delivered to STTS	625.4 GJ	1217.3 GJ
Total Energy Delivered to BTES	513.2 GJ	1004.9 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	10.0 GJ	17.4 GJ
Total Solar Energy Delivered to District Loop	11.2 GJ	19.6 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	11.2 GJ	19.6 GJ
Average Solar Collector Efficiency	38 %	37 %
Average Efficiency of HX-1	105 %	107 %
Average Efficiency of HX-2	112 %	113 %
Average BTES core temperature	64.1 °C	61.7 °C
PV energy generated	1.6780 GJ	3.0 GJ
Net change in energy stored in STTS	104.8 GJ	197.7 GJ
Solar Fraction	100.0 %	100.0 %