

Energy Report Summary for September 2012

Prepared for:



Natural Resources
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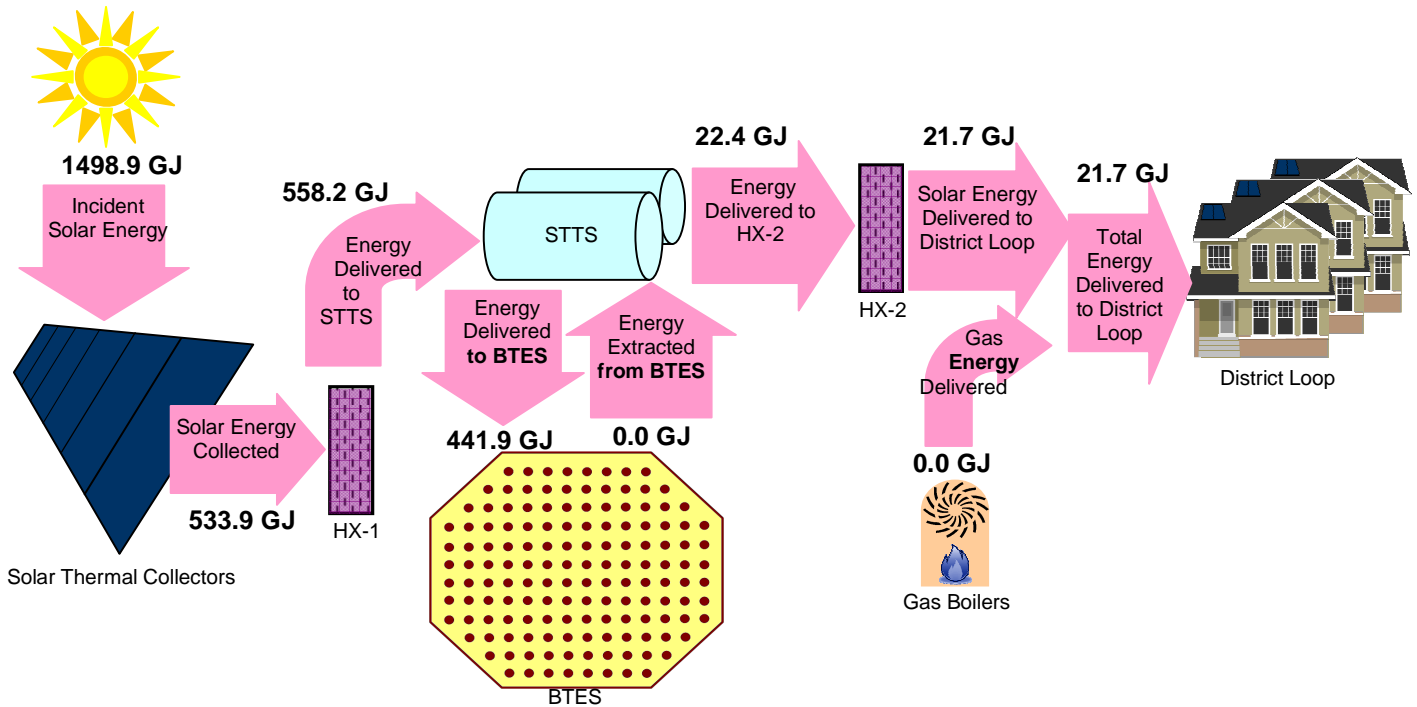
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Drake Landing Solar Community Energy Overview for September 2012

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 September 2012		
Description	This Month	Since July 1, 2012
Total Incident Solar Energy	1498.9 GJ	4556.6 GJ
Total Solar Energy Collected	533.9 GJ	1673.2 GJ
Total Solar Energy Delivered to STTS	558.2 GJ	1775.5 GJ
Total Energy Delivered to BTES	441.9 GJ	1446.8 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	22.4 GJ	39.8 GJ
Total Solar Energy Delivered to District Loop	21.7 GJ	41.3 GJ
Natural Gas Energy Used	0.0 GJ	0.0 GJ
Boiler Thermal Energy Delivered to the District Loop	0.0 GJ	0.0 GJ
Total Energy Delivered to District Loop	21.7 GJ	41.3 GJ
Average Solar Collector Efficiency	36 %	37 %
Average Efficiency of HX-1	105 %	106 %
Average Efficiency of HX-2	97 %	104 %
Average BTES core temperature	65.5 °C	63.0 °C
Electrical energy used	0.0 GJ	0.0 GJ
PV energy generated	1.4637 GJ	4.5 GJ
Net change in energy stored in STTS	106.3 GJ	304.0 GJ
Solar Fraction	100.0 %	100.0 %