

Energy Report Summary for July 2010

Prepared for:



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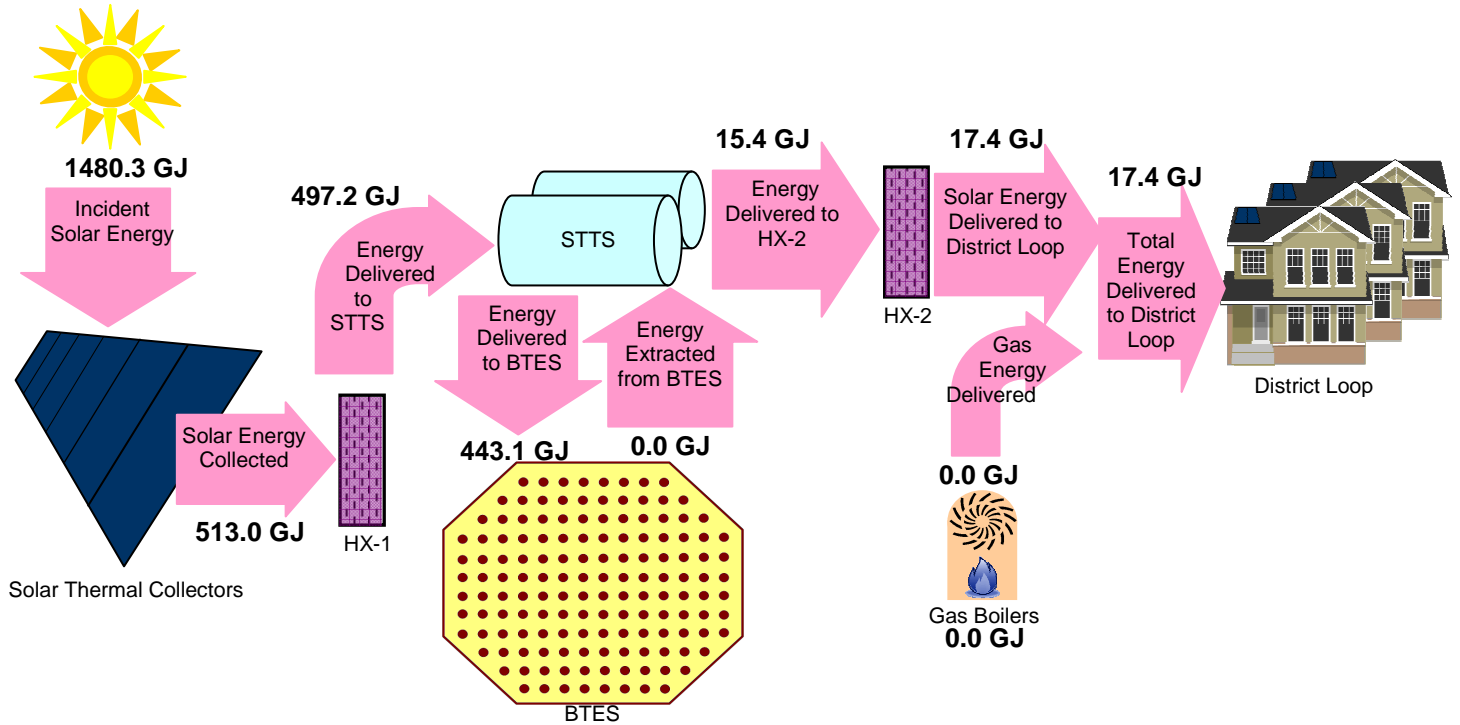
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Drake Landing Solar Community Energy Overview for July 2010

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 July 2010		
Description	This Month	Since July 1, 2010
Total Incident Solar Energy	1480.3 GJ	1480.3 GJ
Total Solar Energy Collected	513.0 GJ	513.0 GJ
Total Solar Energy Delivered to STTS	497.2 GJ	497.2 GJ
Total Energy Delivered to BTES	443.1 GJ	443.1 GJ
Total Energy Extracted from BTES	0.0 GJ	0.0 GJ
Total Energy Delivered from STTS to HX-2	15.4 GJ	15.4 GJ
Total Solar Energy Delivered to District Loop	17.4 GJ	17.4 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	17.4 GJ	17.4 GJ
Average Solar Collector Efficiency	34.7 %	34.7 %
Average Efficiency of HX-1	96.9 %	96.9 %
Average Efficiency of HX-2	113.0 %	113.0 %
Average BTES core temperature	57.2 °C	57.2 °C
Electrical energy used	7.1 GJ	7.1 GJ
PV energy generated	1.6194 GJ	1.6194 GJ
Net change in energy stored in STTS	-8.46 GJ	-8.46 GJ
Solar Fraction	100.0 %	100.0 %