

April 20, 2013

David Kelly P. Eng SkyFire Energy Inc



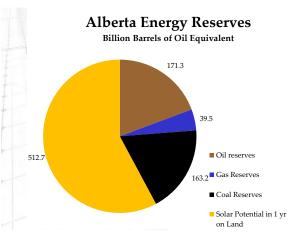
SkyFire Energy Inc

- We have been installing for over 12 years in Western Canada
- CanSIA certified solar thermal installers on staff
- CanSIA/Seneca College Photovoltaic Technicians on staff
- CSA certified photovoltaic installer on staff

SkyFireEnergy

• Hundreds of installations across Canada

Ranking of Major Cities	Worldwide in Terms of Yearly PV Potential
City	Yearly PV Potential (kWh/kW)
Cairo, Egypt	1635
Los Angeles, USA	1485
Sydney, Australia	1343
Calgary, Alberta	1292
Edmonton, Alberta	1245
Washington, DC., USA	1133
Tokyo, Japan	885
Berlin, Germany	848
ondon, England	728
	Source: Natural Resources Canada



What is Driving	the Growth?
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Retail prices of photovoltaic systems are dropping

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2001	600 watt array \$12,000	
2005	1952 watt array \$20,000	S
2013	2000 Watt array \$8.500	

\$10/watt

\$20/ watt

\$4.25/watt

Grid Parity		
We are near grid parity:		
4000 watts x \$4.00 per watt	\$16,000	
= 4 kw x 1292 kWhr/kw/yr x 30 yrs	= = \$0.103/kWh 155,040 kWhr	
Current retail rates are \$0.07-\$0.12	2 plus T&D in Alberta	





GRID - TIED SOLAR ELECTRIC SYSTEM



• 10 x Sanyo 200 watt modules

• Fronius 2000 watt inverter

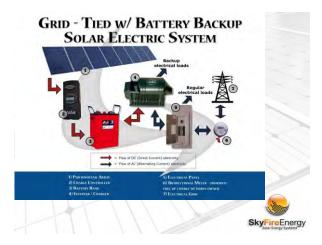


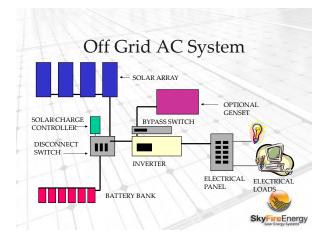


SkyFireEnergy

- Minimize effects of shading

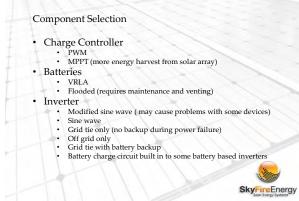








Component Selection



GROUND MOUNT SOLAR MILLERVILLE, AB

5760 W ground mount multi post screw pile







GROUND MOUNT SOLAR JASPER, AB





Cabin Solar System Pincher Creek, AB



1080 W Solar array 24V 600 Ahr AGM battery 3.5 kW Sine wave inverter SkyFireEnergy

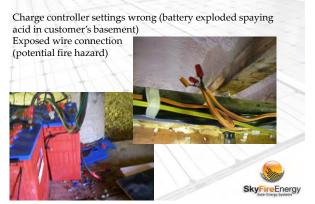
Cabin Solar System Sibbald Flats, AB





300 Watts PV array 24V 220 Ahr battery bank 300 Watt sine wave inverter 20 A PWM charge controller

Things Done Wrong





Skyfire Standoff

Rental Standoff

Commercial Photovoltaic Installations



