

Money Matters



Authorized  Dealer

Does Solar Grid-Tie Make Cents?

Let's take a look:

- 1) Cost of a 10kW Solar Grid-Tie System
(Including materials, labor & permit) **\$22,600**
- 2) First year electrical production ***13900kWh**
* (data from a 10kw system in the Okanagan)
- 3) Net Metering Savings after one
year (A blended rate at 11cents/kwh) ***\$1,529**
- 4) First Year cost of financing a
solar system on a 25 year
mortgage (3.29%) **-\$1,320**

Cash Positive: \$209

* First year electrical production and net metering savings are based on actual data collected from solar installations in the Okanagan.

- Each year your return will increase by 5% due to electrical rate increases.
- Solar Panels are warranted for 25 years
- Return on investment over the 25 year term of 3 to 4 times the original cost.

“Borrowing money for an investment in Solar Grid-Tie can be cash positive in year one.”

The combination of rising electrical rates and falling solar product costs has created the perfect storm for a wise investment in clean energy.

It is projected that electrical rates in British Columbia will increase annually at a rate of 5%. So besides reducing or eliminating your electrical bill, where else can you get a 5% return annually on a working investment?

Studies have shown that home values increase by at least the original capital cost of the solar system.

Year	System Cost	kWh produced annually	Paid per kWh	Inflation	Revenue per Year	Revenue total cumulative
	\$ (22,600.00)		0.11	5.00%		
1	\$ (20,994.55)	13900.00	0.1155		\$1,605.45	\$1,605.45
2	\$ (19,317.26)	13830.50	0.1213		\$1,677.29	\$3,282.74
3	\$ (17,564.90)	13761.35	0.1273		\$1,752.35	\$5,035.10
4	\$ (15,734.13)	13692.54	0.1337		\$1,830.77	\$6,865.87
5	\$ (13,821.44)	13624.08	0.1404		\$1,912.70	\$8,778.56
6	\$ (11,823.14)	13555.96	0.1474		\$1,998.29	\$10,776.86
7	\$ (9,735.43)	13488.18	0.1548		\$2,087.71	\$12,864.57
8	\$ (7,554.29)	13420.74	0.1625		\$2,181.14	\$15,045.71
9	\$ (5,275.55)	13353.63	0.1706		\$2,278.75	\$17,324.45
10	\$ (2,894.83)	13286.87	0.1792		\$2,380.72	\$19,705.17
11	\$ (407.57)	13220.43	0.1881		\$2,487.26	\$22,192.43
12	\$ 2,190.99	13154.33	0.1975		\$2,598.56	\$24,790.99
13	\$ 4,905.84	13088.56	0.2074		\$2,714.85	\$27,505.84
14	\$ 7,742.18	13023.11	0.2178		\$2,836.34	\$30,342.18
15	\$ 10,705.44	12958.00	0.2287		\$2,963.26	\$33,305.44
16	\$ 13,801.31	12893.21	0.2401		\$3,095.87	\$36,401.31
17	\$ 17,035.71	12828.74	0.2521		\$3,234.41	\$39,635.71
18	\$ 20,414.86	12764.60	0.2647		\$3,379.15	\$43,014.86
19	\$ 23,945.23	12700.78	0.2780		\$3,530.37	\$46,545.23
20	\$ 27,633.58	12637.27	0.2919		\$3,688.35	\$50,233.58
21	\$ 31,486.98	12574.09	0.3065		\$3,853.40	\$54,086.98
22	\$ 35,512.82	12511.22	0.3218		\$4,025.84	\$58,112.82
23	\$ 39,718.82	12448.66	0.3379		\$4,206.00	\$62,318.82
24	\$ 44,113.04	12386.42	0.3548		\$4,394.22	\$66,713.04
25	\$ 48,703.90	12324.48	0.3725		\$4,590.86	\$71,303.90

