

Solar Heats Water

The payback on your solar energy system investment

If you have some roof space that is facing south, it can become home to a solar panel system that can pay you an energy dividend, year after year.

Based on anticipated electricity rate increases (<http://www.energy.gov.on.ca/en/electricity-prices/>), we can explore the financial benefits of your solar system.

While each installation is unique, the approximate cost of each solar system:

- 500 watt \$2,800.00
- 1000 watt \$4,000.00
- 1500 watt \$5,700.00
- 2000 watt \$7,300.00

Use the schedules to determine any payback on any system for any timeframe. For example, a 500 W system would provide you with an 18.9% rate of return on the 5 year mark.

The schedule metrics will show you the total dollars the system is paying (saving) you, it is a cumulative total based on the rate of energy cost increases that is projected by the government of Ontario. The savings are real and it all adds up to dollars in your pocket.

The first step is to install an energy monitor to track your present energy draw to help you decide on the size of solar system that is optimum for your building/residence. Contact Solar Heats Water for more information.

Year	Year	Price	500W			1000W			1500W			2000W		
		\$/kWh	kWh/year	Annual \$	Total \$	kWh/year	Annual \$	Total \$	kWh/year	Annual \$	Total \$	kWh/year	Annual \$	Total \$
0	2013	0.1	730	73	73	1400	140	140	2100	210	210	2900	290	290
1	2014	0.1079	730	78.767	151.767	1400	151.06	291.06	2100	226.59	436.59	2900	312.91	602.91
2	2015	0.116	730	84.68	236.447	1400	162.4	453.46	2100	243.6	680.19	2900	336.4	939.31
3	2016	0.126	730	91.98	328.427	1400	176.4	629.86	2100	264.6	944.79	2900	365.4	1304.71
4	2017	0.136	730	99.28	427.707	1400	190.4	820.26	2100	285.6	1230.39	2900	394.4	1699.11
5	2018	0.141	730	102.93	530.637	1400	197.4	1017.66	2100	296.1	1526.49	2900	408.9	2108.01
6	2019	0.146	730	106.58	637.217	1400	204.4	1222.06	2100	306.6	1833.09	2900	423.4	2531.41
7	2020	0.151	730	110.23	747.447	1400	211.4	1433.46	2100	317.1	2150.19	2900	437.9	2969.31
8	2021	0.156	730	113.88	861.327	1400	218.4	1651.86	2100	327.6	2477.79	2900	452.4	3421.71
9	2022	0.162	730	118.26	979.587	1400	226.8	1878.66	2100	340.2	2817.99	2900	469.8	3891.51
10	2023	0.167	730	121.91	1101.5	1400	233.8	2112.46	2100	350.7	3168.69	2900	484.3	4375.81

Solar Heats Water is a division of Beach 1 Electric Ltd.

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