

First Year Energy Savings Calculator and Financial Analysis

Financial Assumptions:			Financial Results:			BC Hydro Rate 2018		
BC Hydro Annual Increase	2.6%	Initial Investment	\$66,000.00	Return in First Year	5.2%	Period	25 years	Medium General Service
Installed Cost (\$/W)	\$ 2.20	Size of System (kW)	30	Return in Last Year	9.6%			0.106546

	PV Generation (kWh)	Energy Usage (kWh)	Days in Month	Energy use (kWh)	Energy offset by PV (kWh)	Energy Credit (kWh)	Grid Energy (kWh)	Savings (\$)	Total Energy Savings (\$)
January	666	6000	31	6000	666.3	0	5334	\$ 70.99	\$ 70.99
February	1149	6000	28	6000	1148.9	0	4851	\$ 122.41	\$ 122.41
March	2459	6000	31	6000	2459	0	3541	\$ 262.04	\$ 262.04
April	3570	6000	30	6000	3570	0	2431	\$ 380.31	\$ 380.31
May	4333	6000	31	6000	4333	0	1667	\$ 461.62	\$ 461.62
June	4548	6000	30	6000	4548	0	1452	\$ 484.60	\$ 484.60
July	4836	6000	31	6000	4836	0	1164	\$ 515.29	\$ 515.29
August	4330	6000	31	6000	4330	0	1670	\$ 461.32	\$ 461.32
September	3069	6000	30	6000	3069	0	2931	\$ 327.01	\$ 327.01
October	1796	6000	31	6000	1796	0	4204	\$ 191.38	\$ 191.38
November	874	6000	30	6000	874	0	5126	\$ 93.14	\$ 93.14
December	523	6000	31	6000	523.4	0	5477	\$ 55.77	\$ 55.77
Total	32154	72000	365	72000	32154	0	39846	\$ 3,425.88	\$ - \$ 3,425.88

