

Solar Investment and Savings Analysis

6/11/12

Solar Consultant:

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 Kenergy Solar
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 seth@kenergysolar.com

Proposal For:

Daniel Hellerstein

Site Location:

1909 Franwall Ave Silver Spring, MD 20902

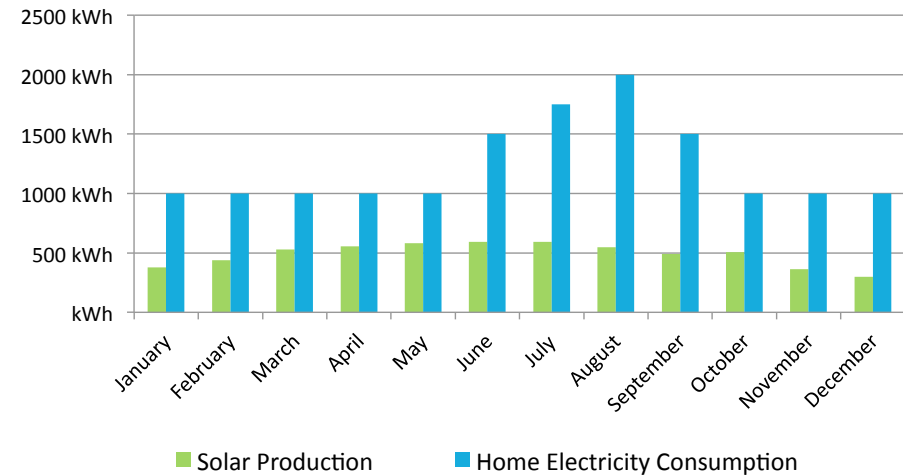
Utility Savings

Old Bill:	\$172
New Bill:	\$104
Savings First Month:	\$69
Savings First Year:	\$822
% Bill Offset:	40%



System Information

Proposed System Size:	5.46 kW
Estimated Annual Production:	5873 kWh
Panels:	21 Helios 260W
Inverter:	1 Solar Edge Inverter and DC Optimizers or Microinver



Included Products and Services

- Turnkey installation service, which includes grant filings, interconnection application and completion certificates, county permit filings, inspections, lifetime monitoring, and SREC registration
- 5 Year Workmanship Warranty
- Maintenance Package option includes scheduled annual site visits to inspect your installation which includes cleaning, checking the electrical connections of the wiring, system output, and general condition of your system. Starts at \$100/year.

Note: Incentives and energy savings depend upon several factors that may not be represented in this analysis. The system may be changed based on a detailed engineering site audit. Actual system production and savings will vary based on final system size, design, your energy usage, and utility rates.

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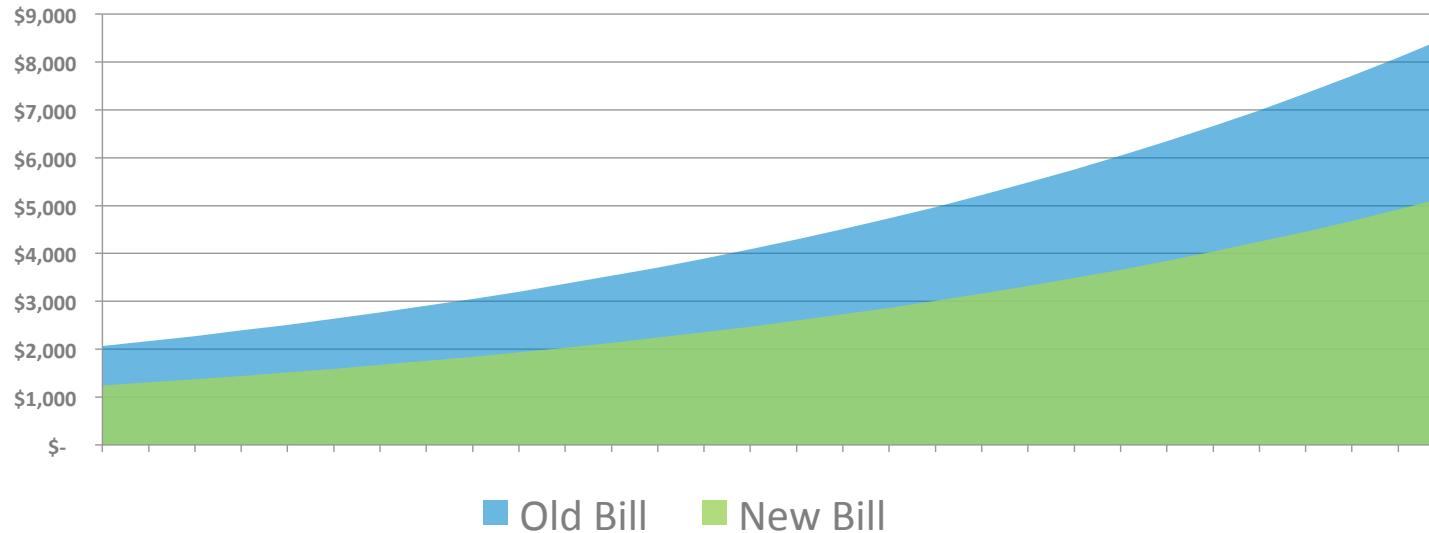
Kenergy Solar

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System Cost	
Total Cost:	\$28,938
State and Local Rebates:	(\$1,000)
Tax on Rebates:	\$330
Federal Tax Credit:	(\$8,681)
Savings First Year:	(\$822)
SRECs First Year:	(\$1,527)
Final System Cost After Year 1:	\$17,237

Financial Benefits	
Net Present Value:	\$21,274
Cumulative Savings Over 30 Years:	\$45,975
30 Year IRR (Post Tax):	7%
Payback in Year:	10



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Cash Flow Analysis

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Proposal For: Daniel Hellerstein

Solar Consultant: Seth Stulgis

seth@kenegysolar.com

Assumptions	
Cost per watt:	\$5.30
Elect. Inflation	5%

Year	Electric Bill Without Solar	Electric Bill With Solar	Savings on Electric Bill	System Cost &		State & Local		Federal Tax Credit	Federal & State Taxes		Overall Savings	Cumulative Cash Flow
				Inverter Replacement	Maintenance Package	Rebates/ Property Tax Credits	SRECs		(On SRECs and Rebates)			
0	\$0	\$0	\$0	-\$28,938	No						-\$28,938	-\$28,938
1	\$2,065	\$1,243	\$822		\$0	\$1,000	\$1,527	\$8,681	-\$834		\$12,031	-\$16,907
2	\$2,168	\$1,305	\$863		\$0		\$1,526		-\$504		\$2,389	-\$14,518
3	\$2,277	\$1,371	\$906		\$0		\$1,525		-\$503		\$2,431	-\$12,087
4	\$2,390	\$1,440	\$950		\$0		\$1,334		-\$440		\$2,284	-\$9,803
5	\$2,510	\$1,513	\$997		\$0		\$1,333		-\$440		\$2,331	-\$7,472
6	\$2,636	\$1,589	\$1,047		\$0		\$762		-\$251		\$1,808	-\$5,664
7	\$2,767	\$1,669	\$1,099		\$0		\$761		-\$251		\$1,860	-\$3,804
8	\$2,906	\$1,753	\$1,153		\$0		\$571		-\$188		\$1,724	-\$2,080
9	\$3,051	\$1,841	\$1,210		\$0		\$570		-\$188		\$1,780	-\$300
10	\$3,203	\$1,934	\$1,270		\$0		\$380		-\$125		\$1,650	\$1,350
11	\$3,364	\$2,031	\$1,333		\$0		\$380		-\$125		\$1,712	\$3,062
12	\$3,532	\$2,133	\$1,399		\$0		\$190		-\$63		\$1,588	\$4,651
13	\$3,708	\$2,241	\$1,468		\$0		\$190		-\$63		\$1,657	\$6,308
14	\$3,894	\$2,353	\$1,540		\$0		\$190		-\$63		\$1,730	\$8,038
15	\$4,089	\$2,472	\$1,617	-\$1,092	\$0		\$190		-\$63		\$714	\$8,752
16	\$4,293	\$2,596	\$1,697		\$0		\$189		-\$63		\$1,886	\$10,638
17	\$4,508	\$2,727	\$1,780		\$0		\$189		-\$62		\$1,970	\$12,608
18	\$4,733	\$2,864	\$1,869		\$0		\$189		-\$62		\$2,058	\$14,666
19	\$4,970	\$3,009	\$1,961		\$0		\$189		-\$62		\$2,150	\$16,816
20	\$5,218	\$3,160	\$2,058		\$0		\$0		\$0		\$2,058	\$18,874
20-Year Total	\$68,281	\$41,244	\$27,037	-\$30,030	\$0	\$1,000	\$12,186	\$8,681	-\$4,351		\$18,874	
21	\$5,479	\$3,319	\$2,160		\$0		\$0		\$0		\$2,160	\$21,034
22	\$5,753	\$3,486	\$2,267		\$0		\$0		\$0		\$2,267	\$23,301
23	\$6,041	\$3,662	\$2,379		\$0		\$0		\$0		\$2,379	\$25,680
24	\$6,343	\$3,846	\$2,497		\$0		\$0		\$0		\$2,497	\$28,176
25	\$6,660	\$4,040	\$2,620		\$0		\$0		\$0		\$2,620	\$30,796
26	\$6,993	\$4,243	\$2,750		\$0		\$0		\$0		\$2,750	\$33,546
27	\$7,342	\$4,457	\$2,886		\$0		\$0		\$0		\$2,886	\$36,432
28	\$7,710	\$4,681	\$3,029		\$0		\$0		\$0		\$3,029	\$39,461
29	\$8,095	\$4,917	\$3,178		\$0		\$0		\$0		\$3,178	\$42,639
30	\$8,500	\$5,164	\$3,336		\$0		\$0		\$0		\$3,336	\$45,975
30-Year Total	\$137,196	\$83,059	\$54,137	-\$30,030	\$0	\$1,000	\$12,186	\$8,681	-\$4,351		\$45,975	

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