System Advisor Model Report

PVWatts	0.86 kW Nameplate	33.45, -111.98
Residential	$1.26/W Installed Cost	UTC -7

Performance Model

PV System Specifications	
System nameplate size	0.86 kW
Module type	0
DC to AC ratio	1.22
Rated inverter size	0.7 kW
Inverter efficiency	96 %
Array type	fixed roof mount
Array tilt	20 degrees
Array azimuth	180 degrees
Ground coverage ratio	N/A
Total system losses	14.08 %
Shading	no

Performance Adjustments	
Availability/Curtailment	none
Degradation	0.5 %/yr
Hourly or custom losses	none

Results	Solar Radiation	AC Energy
	(kWh/m2/day)	(kWh)
Jan	4.85	101
Feb	5.64	105
Mar	6.75	135
Apr	7.59	143
May	8	151
Jun	8.11	144
Jul	7.3	137
Aug	7.07	133
Sep	6.96	126
Oct	6.24	121
Nov	5.35	107
Dec	4.49	95
Year	6.53	1,502

Financial Model

Project Costs	
Total installed cost	$1,082
Salvage value	$0

Analysis Parameters	
Project life	25 years
Inflation rate	2.5%
Real discount rate	6.4%

Project Debt Parameters (Mortgage)	
Debt fraction	100%
Amount	$1,082
Term	25 years
Rate	4%

Tax and Insurance Rates	
Federal income tax	15 %/year
State income tax	7 %/year
Sales tax (% of indirect cost basis)	5%
Insurance (% of installed cost)	0 %/year
Property tax (% of assessed val.)	0 %/year

Incentives	
Federal ITC	26%

Electricity Demand and Rate Summary
Annual peak demand 4.3 kW
Annual total demand 10,829 kWh
Generic Residential
Fixed charge: $10/month
Monthly excess with kWh rollover
Tiered TOU energy rates: 4 periods, 1 tier

Results	
Nominal LCOE	4.6 cents/kWh
Net present value	$2,800
Payback period	2.8 years

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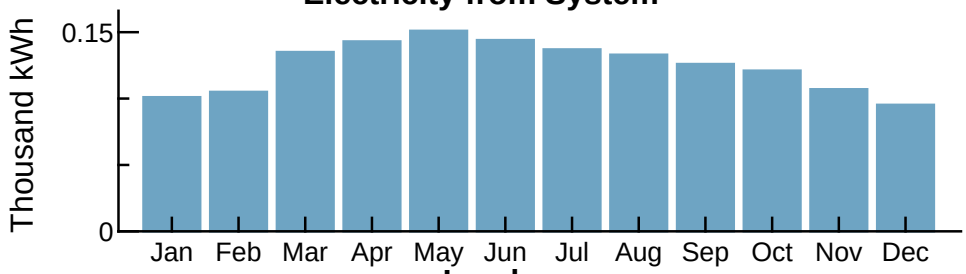
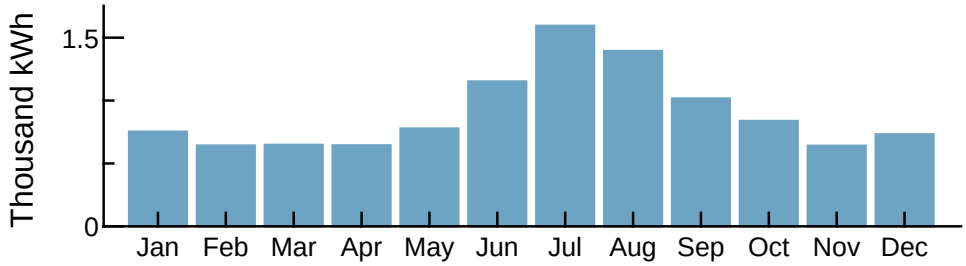
Year 1 Monthly Generation and Load Summary

Electricity from System



Load



Year 1 Monthly Electric Bill and Savings ($)

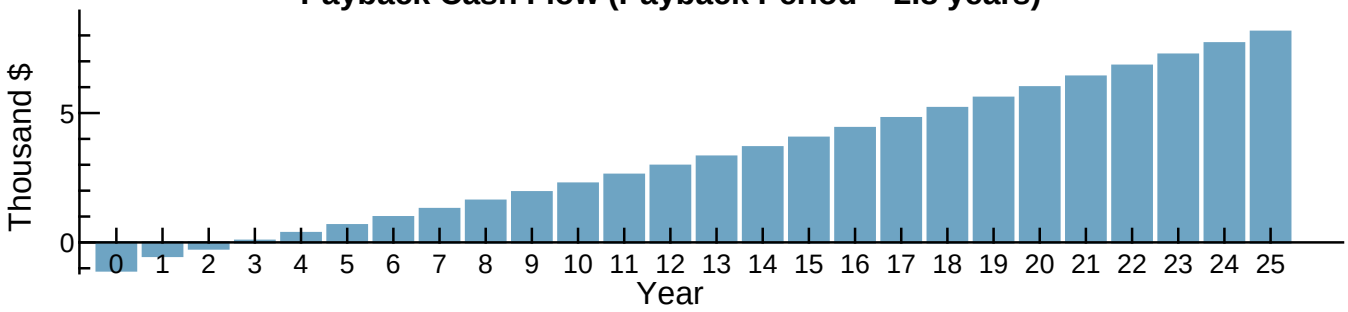
Month	Without System	With System	Savings
Jan	160	140	20
Feb	138	117	21
Mar	139	112	27
Apr	138	109	28
May	175	143	31
Jun	254	224	29
Jul	348	320	28
Aug	306	278	27
Sep	224	198	26
Oct	188	163	24
Nov	138	116	21
Dec	156	137	19
Annual	2,369	2,063	306

NPV Approximation using Annuities

Annuities, Capital Recovery Factor (CRF) = 0.1023		
Investment	$0	Sum:
Expenses	$-0	$200
Savings	$0	NPV = Sum / CRF:
Energy value	$300	$2,000

Investment = Installed Cost - Debt Principal - IBI - CBI
Expenses = Operating Costs + Debt Payments
Savings = Tax Deductions + PBI
Energy value = Tax Adjusted Net Savings
Nominal discount rate = 9.06%

Payback Cash Flow (Payback Period = 2.8 years)



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This performance model does not specify any loss diagram items.
Current case name is untitled