

Custom Analysis prepared for
Demo Resi



SOLAR AND STORAGE

PROPOSAL

Generated on Jul 10, 2024 | Enact Systems



Address

7110 Sellers Avenue, Philadelphia, Pennsylvania 19082





Accelerating clean energy

Users in

20+ countries

Enact's software platform is transforming how solar and energy storage resources are designed, deployed and managed, with users in 20+ countries. Enact's platform enables sales teams to design, price and sell remotely, finalize contracts, and track project execution.

Provides

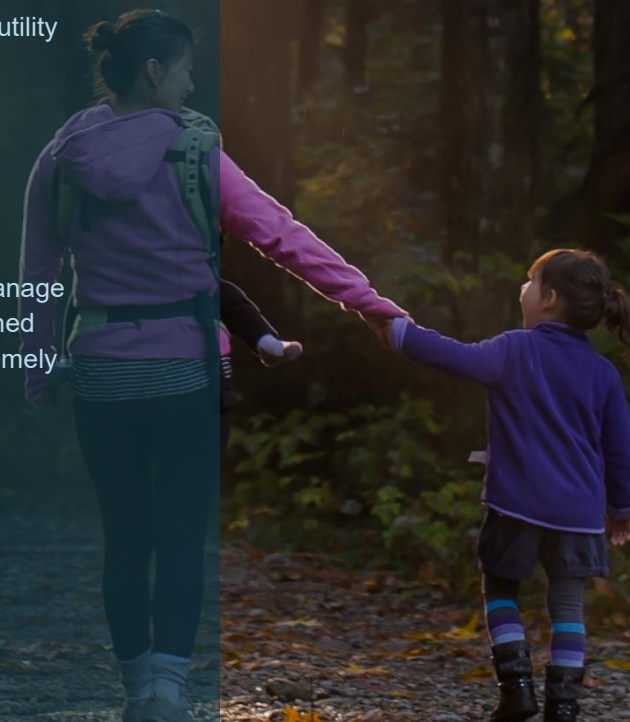
One stop solution

Enact also provides an all-in-one digital service for homeowners looking to buy solar and/or energy storage solutions. Customers can obtain unbiased digital proposals custom designed for their energy needs, delivered by local installers in their area. Customers can also leverage the Enact App to track solar system performance analytics, utility bill savings, and a whole lot more.

Make decision with

Accurate and unbiased data

We use our own proprietary software platform used by developers and solar installers globally to create and manage your residential solar project. The experience we've gained from building our platform allows us to provide you extremely accurate and unbiased data to help you make the best decision for your home.



What People Say



Anil,
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3 vendors and have been the best post support installation experience as well.



Anil,
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3 vendors and have been the best post



Anil, CA
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3



Anil, CA
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3 vendors
Go for it!



Anil, CA
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3 vendors and have been the best post support



Anil, CA
Homeowner Fremont

I have experienced three installations and this was the best. They also gave the best quotation amongst 3 vendors and have been the best post support installation experience as well.

The Enact Advantage



Design

Custom design of your home using your energy data to meet your consumptions and charging needs.

Equipment Options

Open to all brands, meaning hundreds of options for our customers.

Financial Options

Open to all options from multiple providers, such as loans, leases, and more.

Price

Transparent on equipment, labour, and other costs.

Promise

Track your monthly savings live and compare against your proposal.



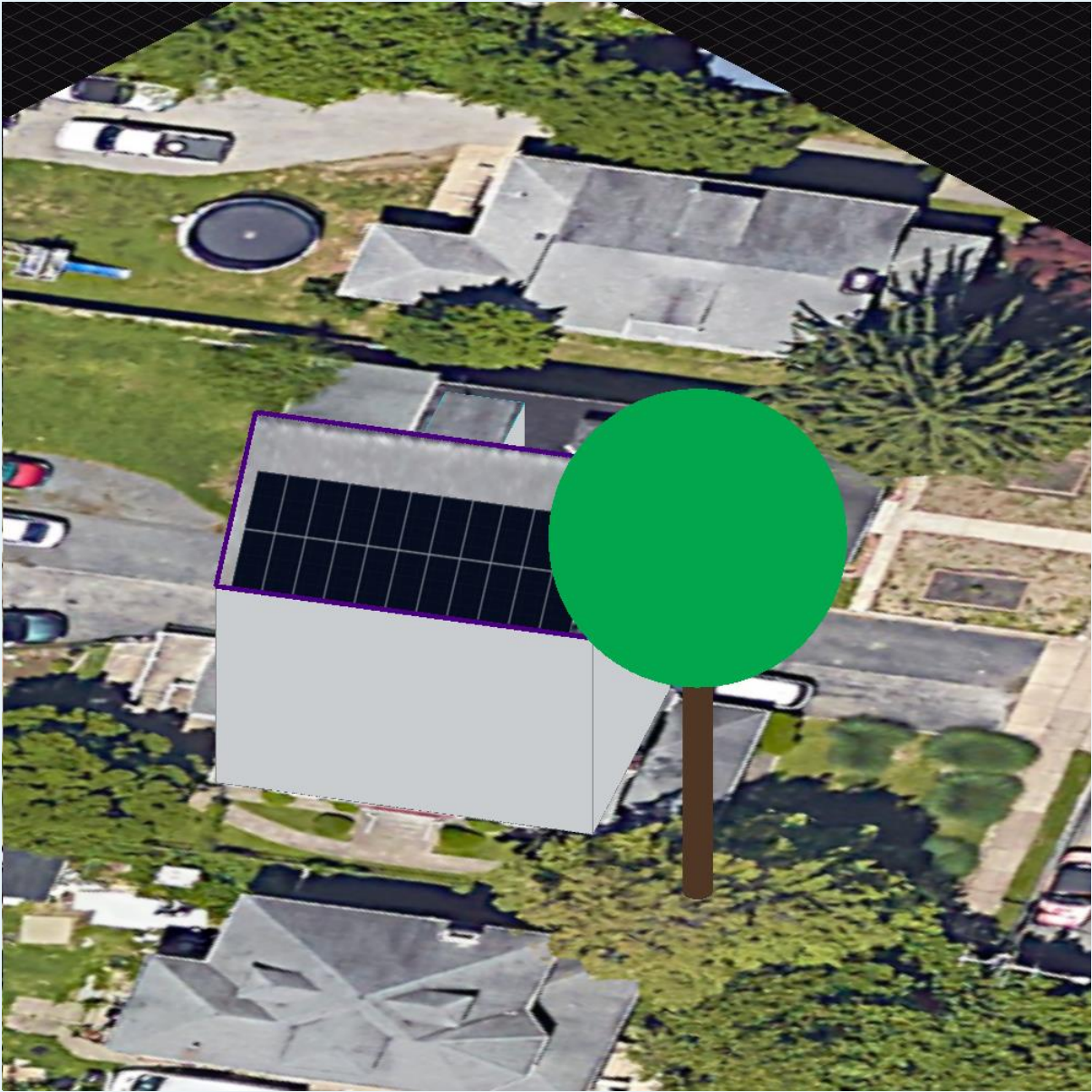
Executive Summary

System Capacity

Solar PV System Capacity	15.58 kW(DC)
Annual Solar PV Generation	14,324 kWh
Annual Energy Offset Percent	78.00%
First Year Utility Costs Avoided	2,514

Financial Details

Total Project Cost	\$18,696
Incentives and Rebates	\$5,609
Net Investment	\$13,087
Simple Payback	4.74 years
25 Year Net Savings	\$106,365

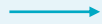


7110 Sellers Avenue Philadelphia, Pennsylvania 19082

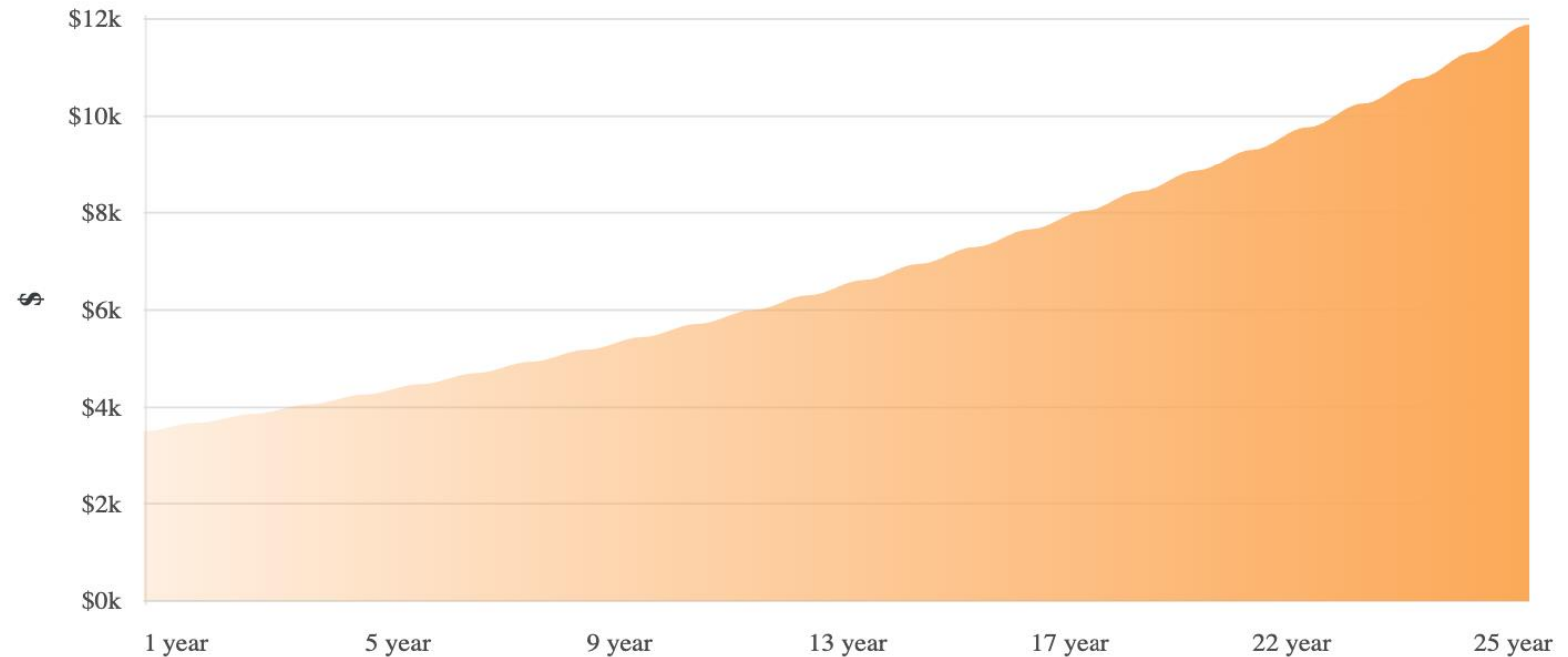
Cost of Doing Nothing For 25 Years



This graph shows the cost of doing nothing over 25 Years.



You will spend \$167,490 if you don't act today



Utility bill today
\$ 292 / mo

Utility bill in 25th Year
\$ 990 / mo

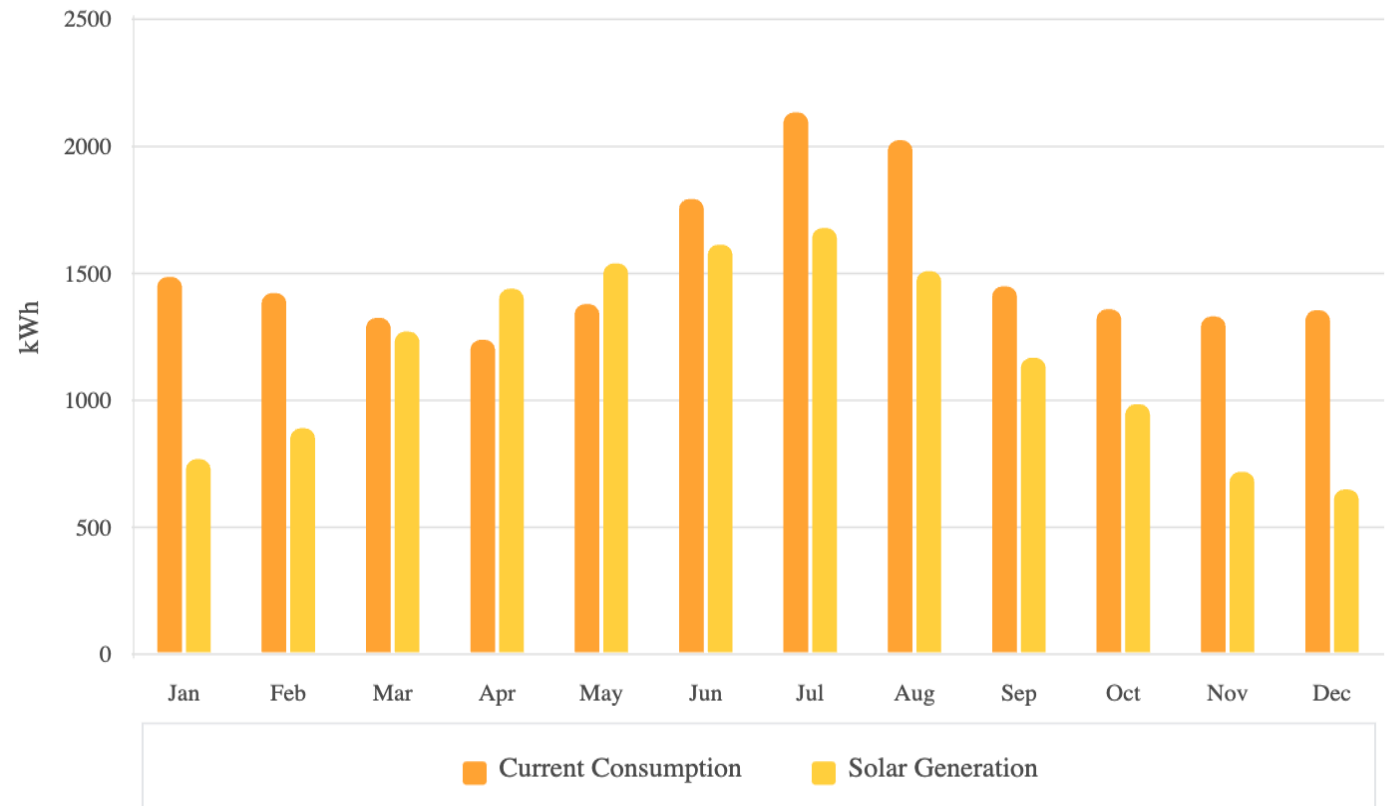
Total utility bill over 25 Years
\$ 179,374

Utility Escalator : 5%

Energy Offset

Your Annual Energy Offset
78.00%

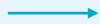
This graph compares your current monthly consumption to the monthly solar generation of first year.



Average Monthly Bill for Year 1



This graph compares your current average monthly bill to the proposed bill after going solar or solar + storage.



Utility bills you will save each month \$209



Your Utility Information

Financials

Current Annual Bill \$3,509

Current Monthly Bill \$292

Current Cost per kWh \$0.191

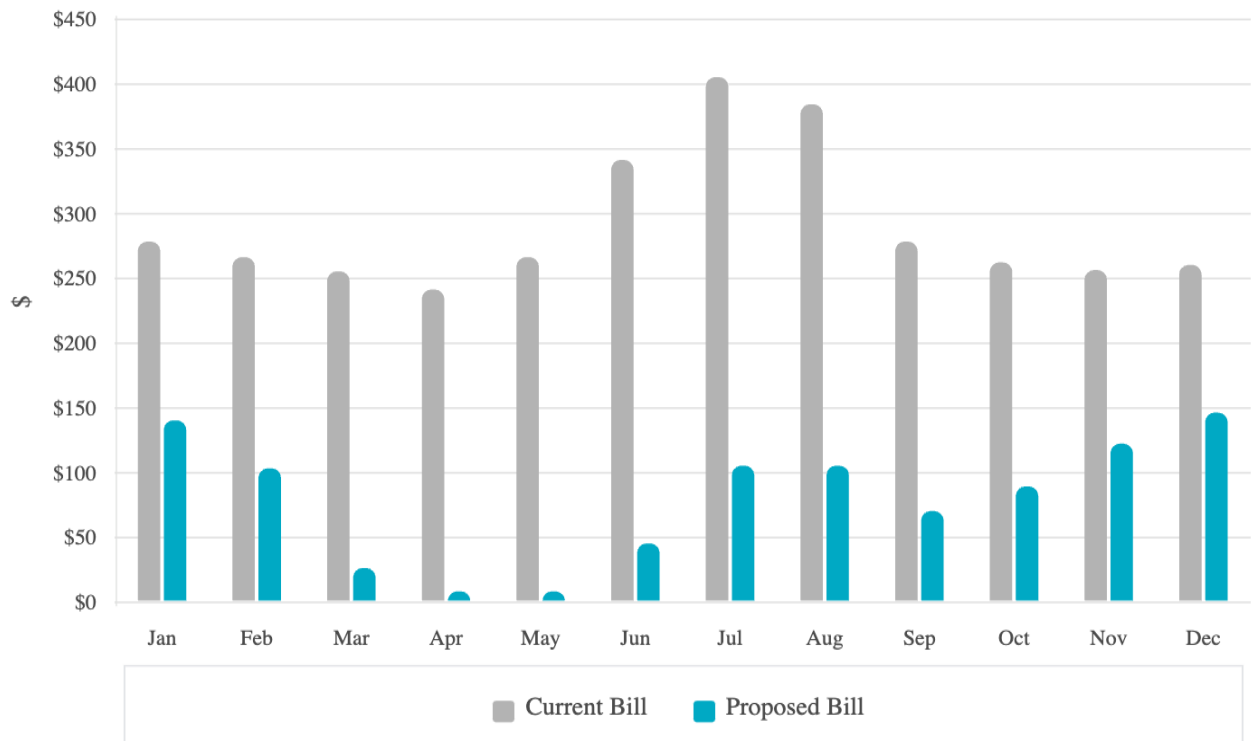
Utility

Electricity Provider PECO Energy Co

Rate Schedule R - Residential

Annual kWh Usage 18,389 kWh

Over a year your Utility bills will be reduced by
72.00%



Financial Analysis



Your Savings over 25 years is \$106,365

Your First Year Utility Costs Avoided	\$2,514
Payback	4.74 years
Your Estimated 25 Year Net Utility Savings	\$106,365
Total System Price	\$18,696



Proposed System with PV System size of 15.58 kW(DC) ■ ■

Design Overview

PV System Size	15.58 kW(DC)
DC to AC Power	15.58 kW(DC)/11.4 kW(AC)
Installation Type	Flush
Production Ratio	920 kWh/KWp/year
Monitoring System	Enact Engage



PV Modules

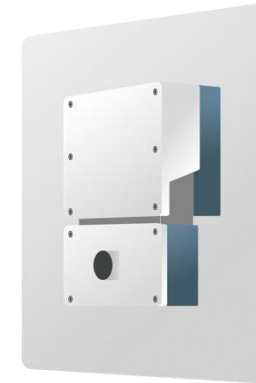
Quantity	38 (nos)
Manufacturer	Hanwha Q CELLS
Model	Q.PEAK DUO L-G5.2 410
Description	400W Monocrystalline module
Warranty	25 Years Performance Warranty



Proposed System with PV System size of 15.58 kW(DC) ■ ■

Inverters

Quantity	1 (nos)
Manufacturer	Fortress Power
Model	Avalon 11.4kW
Description	
Warranty	5 Year Warranty



Storage

Quantity	1 (nos)
Manufacturer	Tesla
Model	Powerwall +
Battery Total Rated Capacity	13.5 kWh
Battery Available Capacity	12.38 kWh



Next Steps



Week 1 **Technical Site Visit**

1

We'll work with your schedule to find a time to have a qualified site Technician come out and confirm the size and solar access of your proposed installation site.

Week 2 **Engineering & Design**

2

We will assemble the final designs and purchase agreement at this stage. We will work with you to finalise all the details of the project and answer any questions you may have.

Week 3-6 **Permits & Approvals**

3-6

Our Project Operations Team will work to obtain all the necessary local permits and approvals to install and interconnect your new solar system.

Week 6 **Installation**

6

A trained Installation Team will complete all civil and electrical works necessary to install your new solar system in a timely manner.

Week 7-10 **Testing & Approval**

7-10

We will coordinate all system inspections requested by the utility company and/or local electrical inspector.

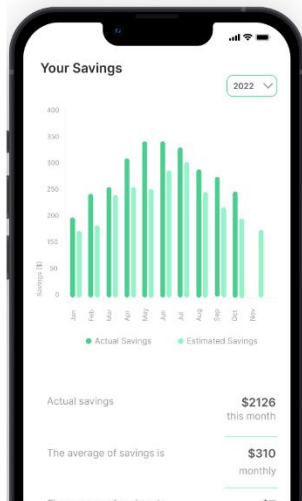
Week 10 **Handover**

10

Once the utility company grants final approval, we'll walk you through turning on your new solar system and monitoring your electricity production. We'll be here should you have any questions over the next 25 years!

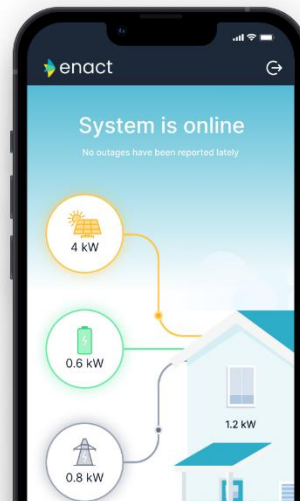
The Enact App

Discover the Enact mobile app, your real-time window into the performance of your solar and energy system. Empowering you with comprehensive insights, this all-in-one solution enables users to unprecedentedly manage their solar power system. Explore features like visualizing solar and storage powerflow, tracking utility bill savings, and analyzing system performance, complete with estimated versus actual savings comparisons. Additionally, uncover the peak times and seasons of system use, enabling you to take even greater control of your solar system and maximize your savings.



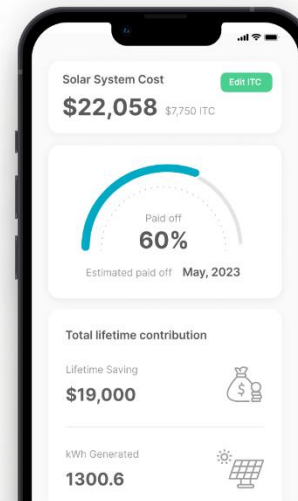
Simplicity

Experience the ease of monitoring your solar and energy system's real-time performance through our user-friendly Enact Home mobile app.



Transparency

Gain unparalleled transparency into your solar power system's operation, including powerflow data and detailed performance analytics.



Financial Insights

Take control of your energy savings with valuable financial insights such as utility bill savings and comparisons of estimated versus actual savings.

Already have solar ?

Schedule a call with us to receive personalised insights about your system.



<https://calendly.com/kavya-kosana/solar-scorecard-review>

Connect With Us ..

Schedule a call



[https://calendly.com/
enact-services](https://calendly.com/enact-services)



noreply@envato.com



(855) 503-6228



www.enact-systems.com



6200 Stoneridge mall rd. #300, Pleasanton, CA 94588



***Metrics are accurate as of January 1, 2023**

Tree Saved



256

Cars Removed



2

CO2 Offset (KGS)

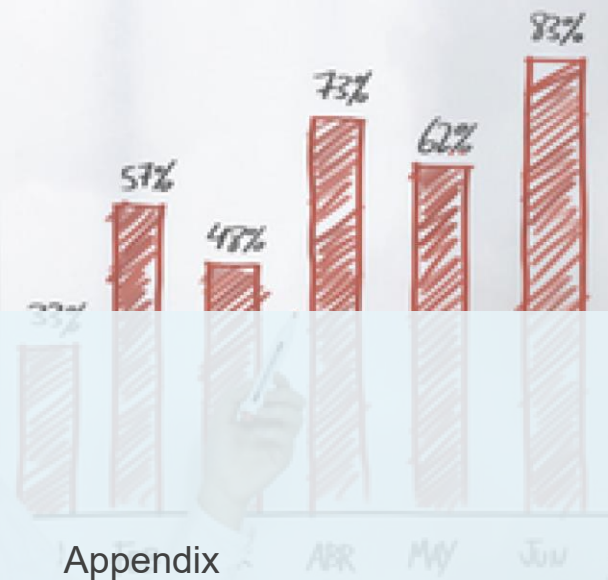


10000 MT

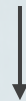
Waste Avoided



3.4



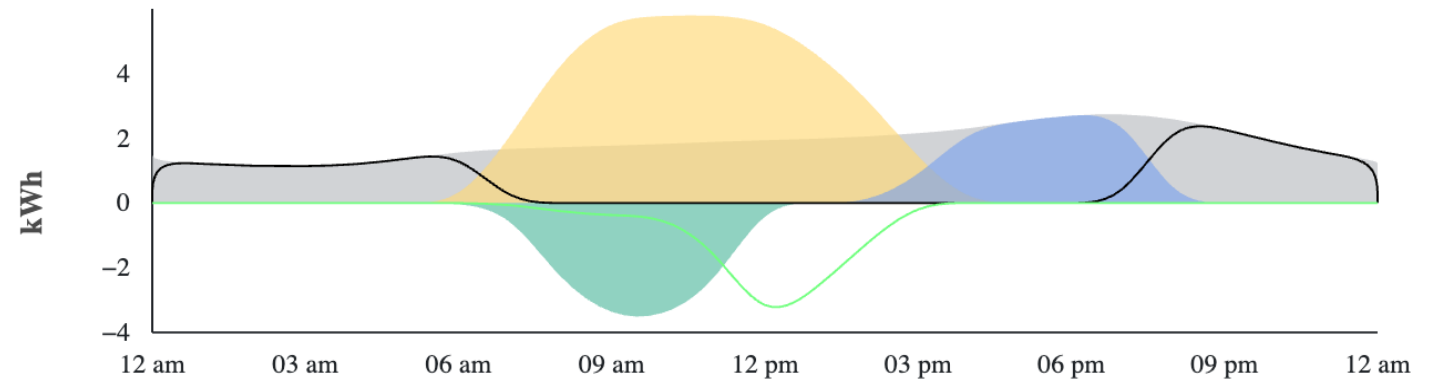
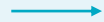
Additional charts available in
our analytics section.



Load Analysis



This graph shows your hourly load curves corresponding to solar generation, storage charge/discharge, and grid import/export.



● Current grid consumption

● Solar generation

● Storage charge

● Storage discharge

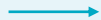
— Proposed grid consumption

— Grid export

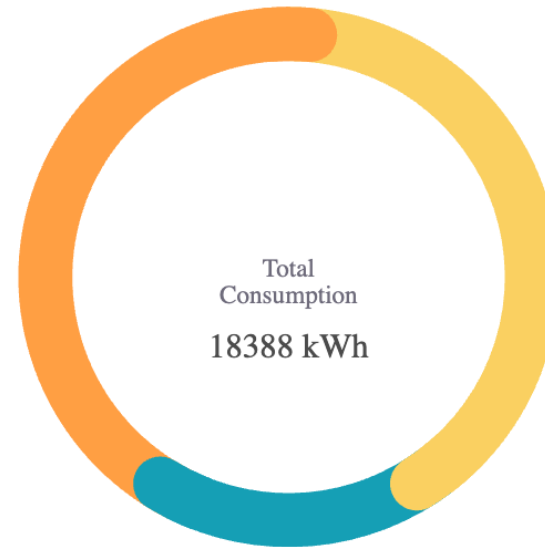
Consumption Mix – Proposed for Year 1



This graph illustrates the energy sources you will need to meet your first-year requirement.



Total Consumption
18,389 kWh



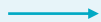
- Solar
7,307 kWh (40%)
- Discharge
3,254 kWh (18%)
- Grid Import
7,827 kWh (43%)



Grid Independence % for Year 1 (Solar & Storage)



This graph depicts your hourly grid independence over the first year. So, if 100%, then no power is drawn from the grid.



You are 60% independent from the grid

	12am	1	2	3	4	5	6am	7	8	9	10	11	12pm	1	2	3	4	5	6pm	7	8	9	10	11
Jan	3%	3%	3%	3%	3%	3%	3%	9%	73%	81%	83%	87%	92%	91%	95%	91%	79%	68%	59%	42%	1%	0%	0%	0%
Feb	0%	0%	0%	0%	0%	0%	0%	49%	78%	89%	95%	93%	95%	92%	93%	90%	85%	70%	64%	60%	16%	0%	0%	0%
Mar	0%	0%	0%	0%	0%	0%	19%	79%	93%	97%	99%	99%	99%	99%	98%	97%	93%	90%	87%	84%	77%	37%	0%	0%
Apr	0%	0%	0%	0%	0%	4%	66%	83%	96%	98%	100%	100%	100%	100%	100%	100%	100%	98%	91%	86%	81%	63%	26%	0%
May	0%	0%	0%	0%	0%	30%	72%	86%	97%	97%	100%	100%	100%	100%	99%	97%	97%	92%	88%	81%	75%	68%	46%	2%
Jun	0%	0%	0%	0%	0%	27%	77%	87%	93%	97%	100%	100%	100%	100%	100%	97%	96%	92%	86%	76%	58%	10%	0%	0%
Jul	0%	0%	0%	0%	0%	17%	69%	88%	95%	97%	99%	99%	99%	100%	100%	100%	96%	92%	80%	71%	26%	0%	0%	0%
Aug	0%	0%	0%	0%	0%	2%	55%	83%	96%	94%	99%	100%	100%	100%	100%	99%	99%	97%	88%	72%	9%	0%	0%	0%
Sep	0%	0%	0%	0%	0%	0%	62%	87%	91%	92%	96%	92%	92%	93%	94%	89%	85%	79%	77%	71%	50%	4%	0%	0%
Oct	0%	0%	0%	0%	0%	0%	18%	78%	86%	91%	96%	100%	98%	97%	95%	92%	86%	82%	69%	64%	36%	0%	0%	0%
Nov	0%	0%	0%	0%	0%	0%	0%	53%	76%	84%	86%	88%	89%	91%	86%	76%	62%	60%	60%	48%	2%	0%	0%	0%
Dec	0%	0%	0%	0%	0%	0%	0%	9%	72%	84%	92%	88%	88%	91%	89%	86%	68%	54%	41%	29%	0%	0%	0%	0%



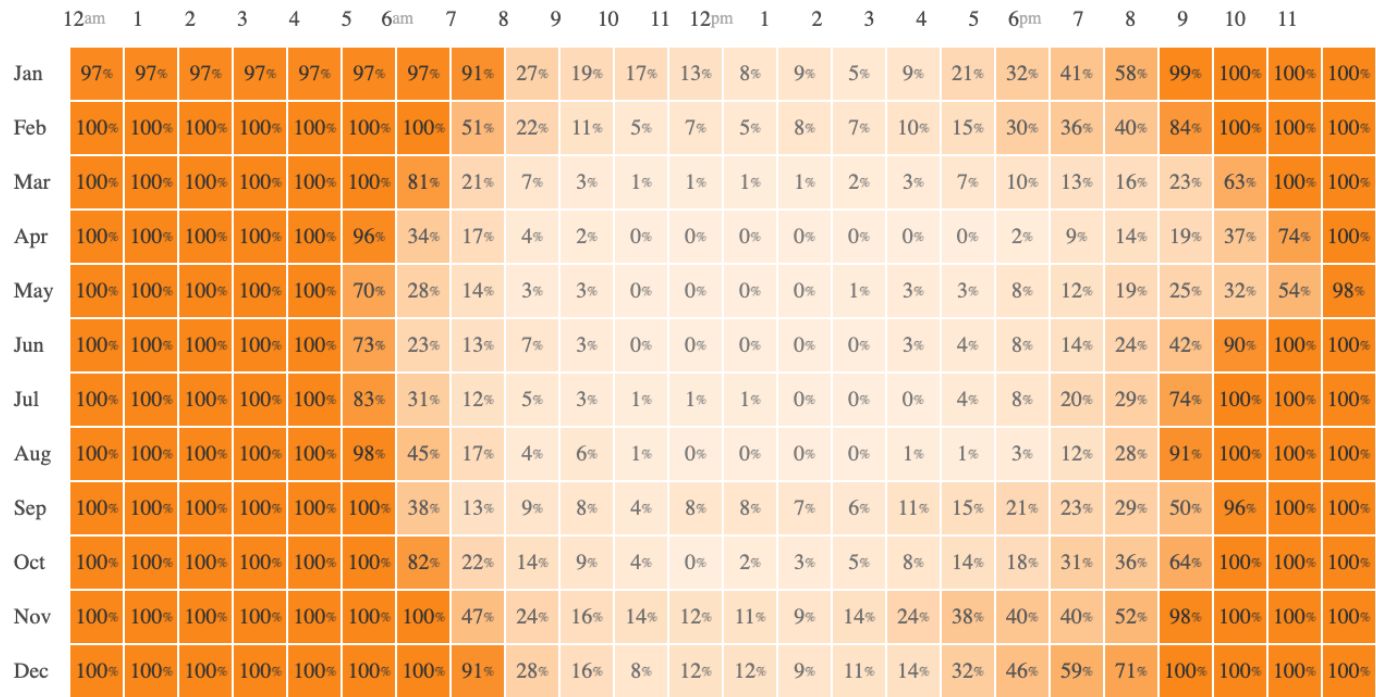
Grid Import Proposed for Year 1



This graph depicts your hourly grid import over the first year. So, if 100%, then you are drawing the entire energy need from grid.



Your energy needs imported from the grid is 7827 kWh



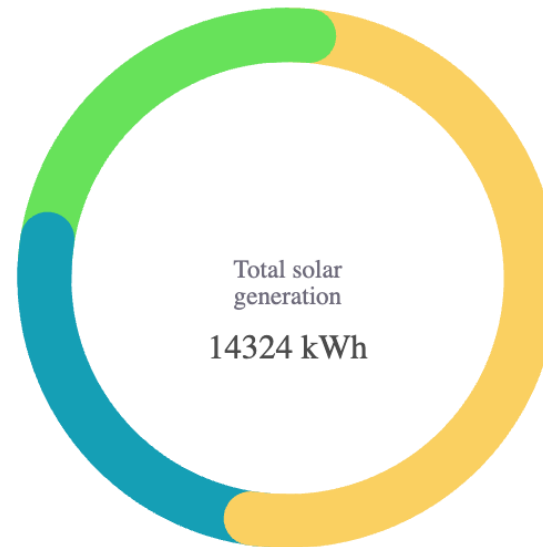
Solar Distribution Proposed for Year 1



This graph illustrates the distribution of solar energy generated in year 1 by usage.



Total Solar Generation
14,324 kWh



- Load
7,307 kWh (51%)
- Storage Charge
3,602 kWh (25%)
- Grid Export
3,415 kWh (24%)

Grid Export % Proposed for Year 1



*This graph depicts your hourly
grid export over the first year.
So, if 100%, then you are
exporting the entire solar
energy generated to the grid.*



	12am	1	2	3	4	5	6am	7	8	9	10	11	12pm	1	2	3	4	5	6pm	7	8	9	10	11
Jan	0%	0%	0%	0%	0%	0%	0%	0%	3%	4%	4%	4%	14%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Feb	0%	0%	0%	0%	0%	0%	0%	0%	3%	4%	4%	8%	29%	33%	27%	13%	0%	0%	0%	0%	0%	0%	0%	0%
Mar	0%	0%	0%	0%	0%	0%	0%	3%	5%	6%	10%	31%	42%	44%	43%	30%	3%	0%	0%	0%	0%	0%	0%	0%
Apr	0%	0%	0%	0%	0%	0%	1%	3%	5%	6%	26%	45%	50%	55%	49%	35%	13%	0%	0%	0%	0%	0%	0%	0%
May	0%	0%	0%	0%	0%	0%	2%	3%	5%	6%	27%	40%	46%	47%	45%	34%	17%	0%	0%	0%	0%	0%	0%	0%
Jun	0%	0%	0%	0%	0%	0%	1%	2%	4%	5%	12%	33%	45%	41%	39%	28%	6%	0%	0%	0%	0%	0%	0%	0%
Jul	0%	0%	0%	0%	0%	0%	0%	2%	4%	5%	5%	23%	41%	37%	30%	20%	1%	0%	0%	0%	0%	0%	0%	0%
Aug	0%	0%	0%	0%	0%	0%	0%	1%	3%	5%	5%	11%	29%	37%	28%	16%	0%	0%	0%	0%	0%	0%	0%	0%
Sep	0%	0%	0%	0%	0%	0%	0%	3%	5%	5%	5%	28%	41%	38%	32%	18%	0%	0%	0%	0%	0%	0%	0%	0%
Oct	0%	0%	0%	0%	0%	0%	0%	3%	4%	5%	5%	20%	32%	32%	27%	7%	0%	0%	0%	0%	0%	0%	0%	0%
Nov	0%	0%	0%	0%	0%	0%	0%	1%	4%	4%	4%	9%	22%	21%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dec	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%	4%	4%	10%	13%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Investment Cashflows



YEAR BY YEAR SAVINGS



Please note that all prices in this proposal are valid or one month (30 days) from 72.00%.



Year	Current Utility Bill	New Utility Bill	Utility Savings	Incentives	Upfront Cost & O&M	Annual Cashflow	Cumulative Cashflow
0	\$0	\$0	0		\$18,696	-\$18,696	-\$18,696
1	\$3,509	\$995	2,514			\$8,123	-\$10,573
2	\$3,685	\$1,046	2,639			\$2,639	-\$7,934
3	\$3,869	\$1,099	2,770			\$2,770	-\$5,164
4	\$4,062	\$1,155	2,908			\$2,908	-\$2,257
5	\$4,266	\$1,214	3,052			\$3,052	\$795
6	\$4,479	\$1,275	3,204			\$3,204	\$3,999
7	\$4,703	\$1,340	3,363			\$3,363	\$7,362
8	\$4,938	\$1,408	3,530			\$3,530	\$10,892
9	\$5,185	\$1,480	3,705			\$3,705	\$14,597
10	\$5,444	\$1,555	3,889			\$3,889	\$18,486
11	\$5,716	\$1,634	4,083			\$4,083	\$22,569
12	\$6,002	\$1,717	4,285			\$4,285	\$26,854
13	\$6,302	\$1,804	4,498			\$4,498	\$31,352
14	\$6,617	\$1,896	4,722			\$4,722	\$36,074
15	\$6,948	\$1,992	4,956			\$4,956	\$41,030
16	\$7,296	\$2,093	5,202			\$5,202	\$46,233
17	\$7,660	\$2,200	5,461			\$5,461	\$51,694
18	\$8,043	\$2,311	5,732			\$5,732	\$57,426
19	\$8,446	\$2,429	6,017			\$6,017	\$63,443
20	\$8,868	\$2,552	6,316			\$6,316	\$69,758
21	\$9,311	\$2,682	6,629			\$6,629	\$76,388
22	\$9,777	\$2,818	6,959			\$6,959	\$83,346
23	\$10,266	\$2,962	7,304			\$7,304	\$90,650
24	\$10,779	\$3,112	7,667			\$7,667	\$98,317
25	\$11,318	\$3,270	8,048			\$8,048	\$106,365
Total	\$167,490	\$48,038	\$119,452				