



**APPLICATION FOR
HISTORIC AREA WORK PERMIT**
HISTORIC PRESERVATION COMMISSION
301.563.3400

FOR STAFF ONLY:
HAWP# _____
DATE ASSIGNED _____

APPLICANT:

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Tax Account No.: _____

AGENT/CONTACT (if applicable):

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property _____

Is the Property Located within an Historic District? Yes/District Name _____
 No/Individual Site Name _____

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: _____ Street: _____

Town/City: _____ Nearest Cross Street: _____

Lot: _____ Block: _____ Subdivision: _____ Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- | | | |
|---|--|--|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Deck/Porch | <input type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Fence | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof | <input type="checkbox"/> Window/Door |
| | | <input type="checkbox"/> Other: _____ |

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent _____
Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	Owner's Agent's mailing address
Adjacent and confronting Property Owners mailing addresses	

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

Work Item 1: _____	
Description of Current Condition:	Proposed Work:

Work Item 2: _____	
Description of Current Condition:	Proposed Work:

Work Item 3: _____	
Description of Current Condition:	Proposed Work:

**HISTORIC AREA WORK PERMIT
CHECKLIST OF
APPLICATION REQUIREMENTS**

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Exc avation/Land scaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*



Prepared by:

Colette Hayward

Maryland Solar Solutions, Inc.

410-363-4300

colette@marylandsolarsolutions.com

Quote #: 4353558

**A personalized Solar Electric
Analysis for:**

Marcel Schmidt,

10124 Meadowneck Ct, Silver Spring

MD 20910

240-421-2850

moschmi.1@gmail.com



Solar Energy System Proposal

Dear Marcel,

Maryland Solar Solutions, Inc. is privileged to present your Solar Energy System Proposal.

Best Regards,

Colette Hayward

Maryland Solar Solutions, Inc.

© Maryland Solar Solutions, Inc.
11436 Cronridge Dr. Suite V
Owings Mills MD 21117

Phone: 410-363-4300
Email:
mssicontact@marylandsolarsolutions.com
Web: www.marylandsolarsolutions.com

Scan QR code on your phone
to access the online proposal.



Recommended System Option

80%
Consumption Offset

\$53,717
Lifetime Electricity Bill Savings

\$16,706
Net Cost of this solar system

\$39,496
Estimated net savings over system lifetime



Imagery © Nearmap

Your Solution

REC Pure-R Black Series

7.140 kW of Solar Power
17 x REC420AA Pure-R
 420 Watt panels
 Up to **22.2%** Module efficiency
8,437 kWh per year

with 20 Year +5 ProTrust*
 Product Warranty.

*ProTrust available through REC
 Certified Solar Professionals



SolarEdge HD Wave Inverter

SolarEdge Technologies Ltd.
7.6 kW Total Inverter Rating
 1 x SE7600H-US [240V]



Power Optimizer

440 W Power Optimizer For Residential Installations
 17 x S440

Warranties: 20 Year Panel Product Warranty, 25 Year Panel Performance Warranty, 12 Year Inverter Product Warranty



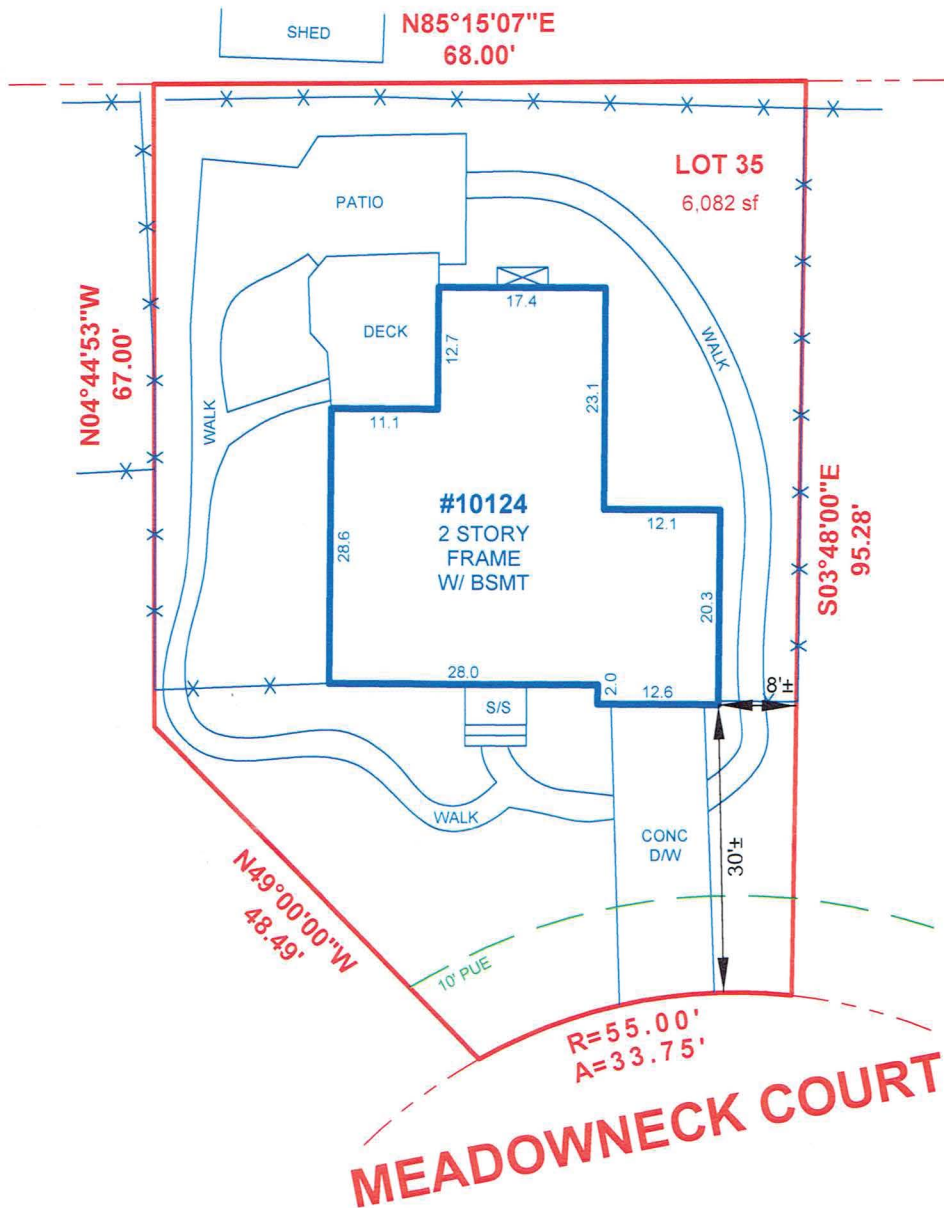
10124

10124

088268



PLAT NO. 14546



THE LEVEL OF ACCURACY OF DISTANCES TO APPARENT PROPERTY LINES IS: $1\pm$

LOCATION DRAWING OF:
#10124 MEADOWNECK COURT
LOT 35
 BLOCK 1
CAPITOL VIEW PARK
 PLAT NO. 14546
 MONTGOMERY COUNTY, MARYLAND
 SCALE: 1"=20' DATE: 05-26-2022
 DRAWN BY: SM FILE #: 225707-200

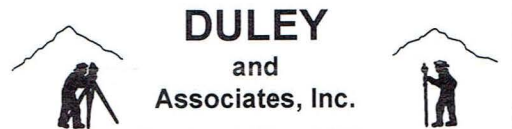
LEGEND:

- X - FENCE
- B/E - BASEMENT ENTRANCE
- B/W - BAY WINDOW
- BR - BRICK
- BRL - BLDG. RESTRICTION LINE
- BSMT - BASEMENT
- C/S - CONCRETE STOOP
- CONC - CONCRETE
- D/W - DRIVEWAY
- Ex. - EXISTING
- FR - FRAME
- MAC - MACADAM
- G - GATE
- O/H - OVERHANG
- PUE - PUBLIC UTILITY ESMT.
- PIE - PUBLIC IMPROVEMENT ESMT.

COLOR KEY:

- (RED) - RECORD INFORMATION
- (BLUE) - IMPROVEMENTS
- (GREEN) - ESMTS & RESTRICTION LINES

A Land Surveying Company



DULEY
and
Associates, Inc.

Serving D.C. and MD.

14604 Elm Street, Upper Marlboro, MD 20772

Phone: 301-888-1111

Fax: 301-888-1114

Email: orders@duley.biz

On the web: www.duley.biz



SURVEYOR'S CERTIFICATE

I HEREBY STATE THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED HEREIN AND IT IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09.13.06 OF THE CODE OF MARYLAND ANNOTATED REGULATIONS. THIS SURVEY IS NOT TO BE USED OR RELIED UPON FOR THE ESTABLISHMENT OF FENCES, BUILDING, OR OTHER IMPROVEMENTS. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING. NO TITLE REPORT WAS FURNISHED TO NOR DONE BY THIS COMPANY. SAID PROPERTY SUBJECT TO ALL NOTES, RESTRICTIONS AND EASEMENTS OF RECORD. BUILDING RESTRICTION LINES AND EASEMENTS MAY NOT BE SHOWN ON THIS SURVEY. IMPROVEMENTS WHICH IN THE SURVEYOR'S OPINION APPEAR TO BE IN A STATE OF DISREPAIR OR MAY BE CONSIDERED "TEMPORARY" MAY NOT BE SHOWN. IF IT APPEARS ENCROACHMENTS MAY EXIST, A BOUNDARY SURVEY IS RECOMMENDED.

DULEY & ASSOC.

WILL GIVE YOU A 100% FULL CREDIT TOWARDS UPGRADING THIS SURVEY TO A "BOUNDARY/STAKE" SURVEY FOR ONE YEAR FROM THE DATE OF THIS SURVEY.

(EXCLUDING D.C. & BALT. CITY)



**Montgomery
Planning**











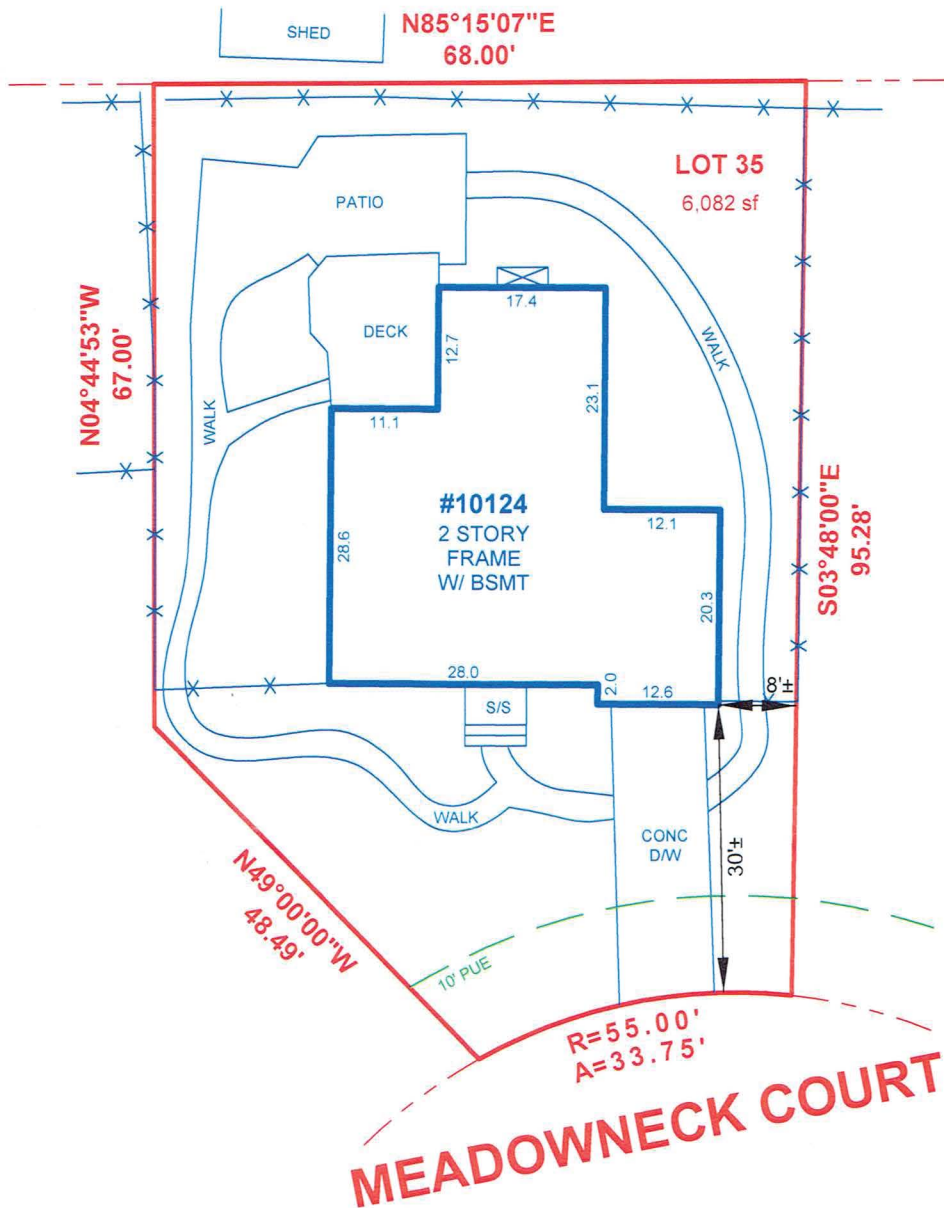
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Prepared by:

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Quote #: 4353558

**A personalized Solar Electric
Analysis for:**

Marcel Schmidt,

10124 Meadowneck Ct, Silver Spring

MD 20910

240-421-2850

moschmi.1@gmail.com



Solar Energy System Proposal

Dear Marcel,

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Best Regards,

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© Maryland Solar Solutions, Inc.
11436 Cronridge Dr. Suite V
Owings Mills MD 21117

Phone: 410-363-4300
Email:
mssicontact@marylandsolarsolutions.com
Web: www.marylandsolarsolutions.com

Scan QR code on your phone
to access the online proposal.





May 02 2024

Proposal for: Marcel Schmidt,

10124 Meadowneck Ct Silver Spring, MD 20910

We are pleased to submit a proposal for your Solar Electric Energy System. Solar electric systems are environmentally friendly and reduce your reliance on variable, volatile electricity rates from your utility. You can now own your own clean energy production!

We have designed a system that achieves the best energy cost savings for you. This includes an analysis of your energy requirements, a study of the best energy production design, and the application of any available state and federal rebates.

What sets Maryland Solar Solutions apart?

- Personalized Attention. We are a small local company. *Your* installation is our primary focus.
- Experience & Training. Your system is designed by NABCEP-certified solar installer and MSSI owner, Colette Hayward who supervises every installation.
- We are the only company that offers a 5 year daily monitoring & maintenance program at an additional cost.

Maryland Solar Solutions, Inc. is committed to making sure that your system is both safe and efficient and will not sell a solar system without these monitoring services:

- 24 hour real time monitoring services to make sure everything is operating efficiently.
- Automatic alerts to let us know if there are any issues
- You will be able to see your energy production in real time online via smart phone.

Quality of our Equipment

- REC Solar Panels - Record Breaking performance in unbiased, independent testing.
 - 25 year warranty on labor, product and performance.
 - +5% output tolerance - More power from each panel.
- SolarEdge Power Optimizers
 - A "Hybrid" solution: the reliability of a traditional inverter with panel-level monitoring and fault detection.
 - A greater efficiency than a microinverter; greater energy production; greater safety.

We are committed to a quality installation and to ensuring your total satisfaction with our products and service.

The next step is signing the necessary agreements so we can reserve your rebate and begin the engineering and permitting processes.

This proposal is valid for 10 days.

We look forward to helping you achieve energy independence, make a positive environmental impact, and ensure a great investment. Please contact us with any questions.

Colette Hayward - President, MSSI

This proposal reflects all incentives (state and local grants, tax credits, SRECs, etc.) as they are allowed, available, and exist under the law as of the date of this proposal. The law and administration of the law by state agencies or quasi-state agencies can change between the date of this proposal and the time at which you sign the contract and can have impact on the value of these incentives. Incentives may be discontinued or be reduced without notice. We, MSSI, cannot be held responsible for any incentives that are available, or valued at today's rates, that are changed, used up, or reduced in value beyond today's date. We will endeavor to submit your paperwork to the necessary state agencies as quickly as possible, however, some of the paperwork required for these filings rely on action by agencies and utilities over whom we have no control. Liability limitation: This analysis includes estimated performance and economic incentives. Actual performance and economic incentives may vary in amount or availability. Please consult with a tax advisor about any tax credits or deductions, including interest payments. Additionally, this proposal does NOT include a separate maintenance and monitoring fee schedule nor does this proposal cover fees for SREC aggregation sale and auction services through Maryland Solar Solutions, Inc.

WARRANTY: Maryland Solar Solutions, Inc. includes a labor warranty. This warranty includes residential monitoring services for the period of warranty. Maryland Solar Solutions warranty is separate from manufacturer's warranties.

Recommended System Option

80%
Consumption Offset

\$53,717
Lifetime Electricity Bill Savings

\$17,538
Net Cost of this solar system

\$38,664
Estimated net savings over system lifetime



Imagery © Nearmap

Your Solution

REC Pure-R Black Series

7.140 kW of Solar Power
17 x REC420AA Pure-R
 420 Watt panels
 Up to **22.2%** Module efficiency
8,437 kWh per year

with 20 Year +5 ProTrust*
 Product Warranty.

*ProTrust available through REC
 Certified Solar Professionals



SolarEdge HD Wave Inverter

SolarEdge Technologies Ltd.
7.6 kW Total Inverter Rating
 1 x SE7600H-US [240V]



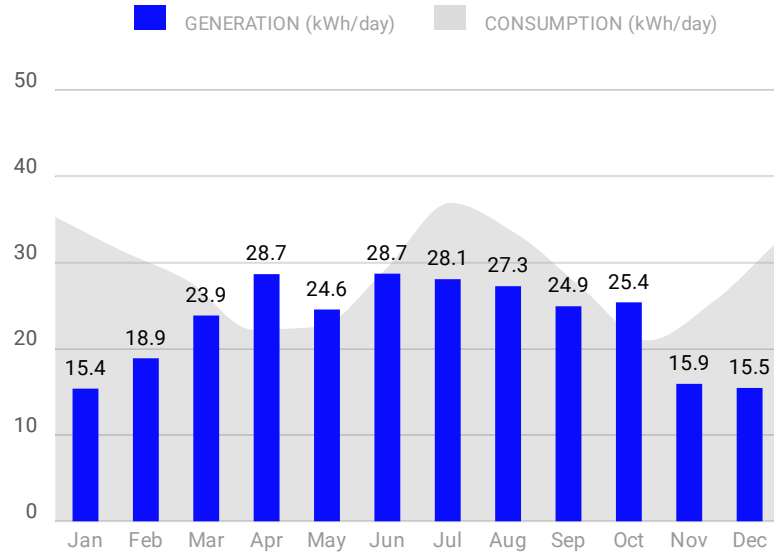
Power Optimizer

440 W Power Optimizer For Residential Installations
 17 x S440

Warranties: 20 Year Panel Product Warranty, 25 Year Panel Performance Warranty, 12 Year Inverter Product Warranty

System Performance

80%
Energy From Solar



<p>44% Self-consumption</p>	<p>56% Export to grid</p>
--	--------------------------------------

System Performance Assumptions: System Total losses: 9.1%, Inverter losses: 1.0%, Optimizer losses: 1.4%, Shading losses: 20.3%, Performance Adjustment: 0%, Output Calculator: System Advisor Model 2020.02.29.r2. Panel Orientations: 17 panels with Azimuth 176 and Slope 28.

The solar system(s) quoted in this proposal are not intended to be portable.

Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.

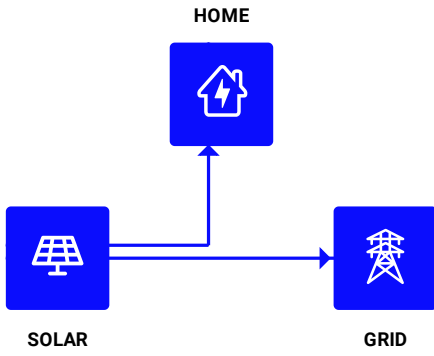


Each Year	
<p>80% Of CO₂, SO_x & NO_x</p>	<p>3 tons Avoided CO₂ per year</p>

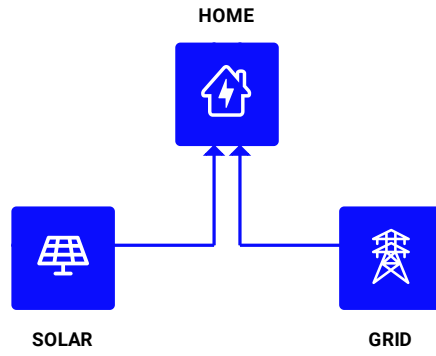
Over System Lifetime		
<p>63,734 Car miles avoided</p>	<p>660 Trees planted</p>	<p>73 Long haul flights avoided</p>

How your system works

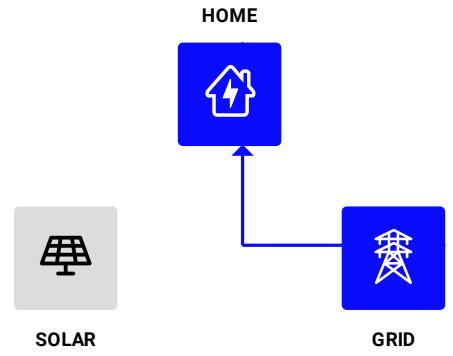
Generating Excess Solar



Partially Offset Usage



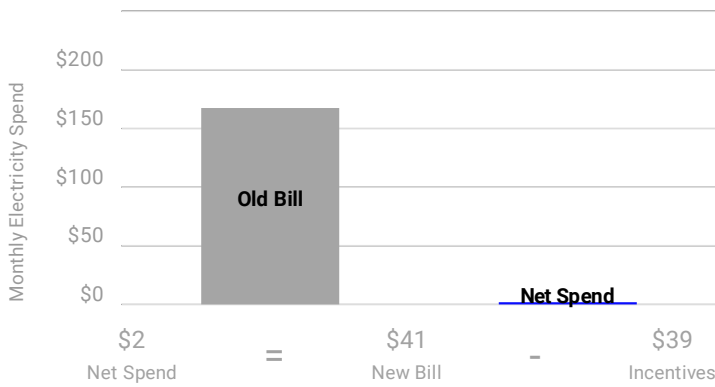
Night



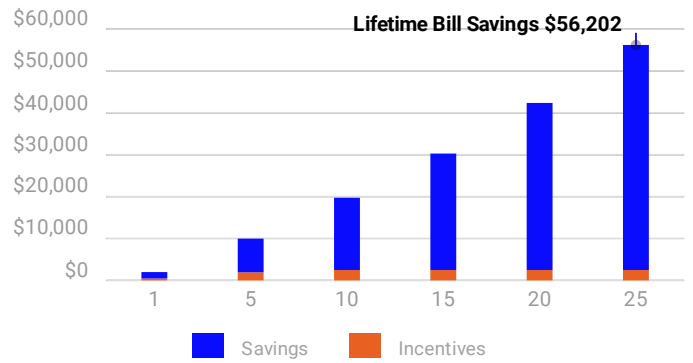


Electricity Bill Savings

First Year Monthly Bill Savings



Cumulative Bill Savings



Month	Solar Generation (kWh)	Electricity Consumption before solar (kWh)	Electricity Consumption after solar (kWh)	Utility Bill before solar (\$)	Utility Bill after solar (\$)	Maryland SRECs (\$)	Cumulative Energy Credit (\$)	Estimated Savings (\$)
Jan	477	1,094	618	188	110	26	0	78
Feb	529	879	350	153	66	29	0	87
Mar	740	867	127	151	29	41	0	121
Apr	860	667	(193)	118	9	47	0	109
May	761	700	(62)	124	9	42	11	116
Jun	862	873	12	188	9	48	8	179
Jul	870	1,145	274	243	56	48	0	187
Aug	845	1,033	188	220	47	47	0	173
Sep	748	811	63	175	21	41	0	153
Oct	787	650	(137)	141	9	43	28	132
Nov	478	766	288	134	28	26	0	106
Dec	479	1,014	535	175	96	26	0	79

Performance Based Incentives

Performance Based Incentives (Over System Lifetime)	\$2,484.25 \$465.73 in year 1
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Your projected energy cost is calculated by considering a 3.0% increase in energy cost each year, due to trends in the raising cost of energy. This estimate is based on your selected preferences, current energy costs and the position and orientation of your roof to calculate the efficiency of the system. Projections are based on estimated usage of 10500 kWh per year, assuming Residential Service (Montgomery County) Electricity Tariff.

Your electricity tariff rates may change as a result of installing the system. You should contact your electricity retailer for further information.

Proposed Tariff Details - Pepco - (MD) R (Montgomery County)
Energy Charges



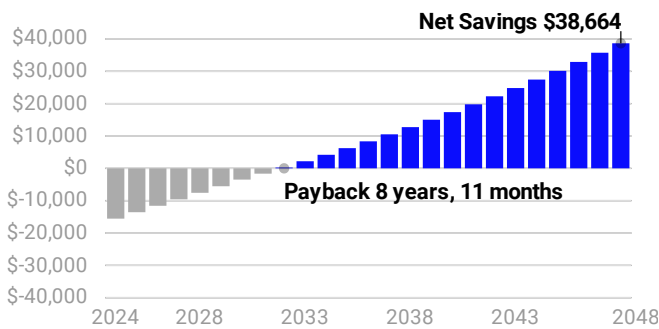
Summer Usage Charge <i>All Day from 31 May to 30 Oct</i>	\$0.20 / kWh
Winter Usage Charge <i>All Day from 31 Oct to 30 May</i>	\$0.16 / kWh
Fixed Charges	
Fixed Charge	\$8.54 / month



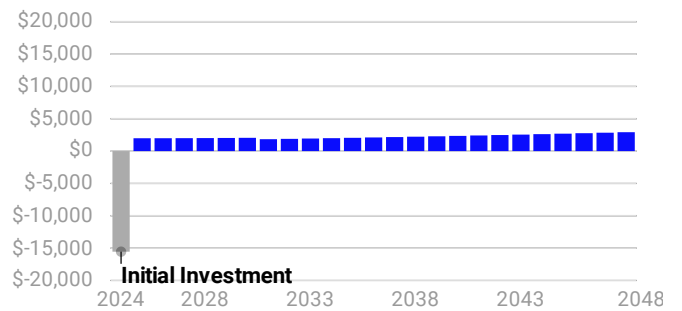
Net Financial Impact Cash

$$\begin{array}{rcl}
 \$56,202 & - & \$17,538 \\
 \text{Utility Bill Savings} & & \text{Net System Cost} \\
 \hline
 & = & \$38,664 \\
 & & \text{Estimated Net Savings}
 \end{array}$$

Cumulative Savings From Going Solar



Annual Savings From Going Solar



\$38,664

Net Present Value

**8 Years
10 Months**

Discounted Payback
Period

220%

Total Return on
Investment

11.0%

Rate of Return on
Investment

Year	Electricity Consumption (kWh)	Solar Generation (kWh)	Utility Bill (before solar) (\$)	Utility Bill (after solar) (\$)	Maryland SRECs (\$)	Total Energy Spend (After) (\$)	Annual Savings (from solar) (\$)	System Costs (Net of Dealer Incentives) (\$)	Customer Incentives (Upfront) (\$)	Net Savings (\$)	Cumulative Impacts (\$)
2024	10,500	8,437	2,010	488	466	23	1,987	25,054	7,516	(15550)	(15550)
2025	10,500	8,416	2,070	507	423	84	1,986	0	0	1985	(13564)
2026	10,500	8,395	2,132	526	384	142	1,990	0	0	1989	(11574)
2027	10,500	8,374	2,196	545	348	197	1,999	0	0	1998	(9576)
2028	10,500	8,353	2,262	566	316	250	2,012	0	0	2012	(7563)
2029	10,500	8,332	2,330	587	287	300	2,030	0	0	2029	(5533)
2030	10,500	8,311	2,400	609	261	348	2,051	0	0	2051	(3482)
2031	10,500	8,290	2,472	631	0	631	1,840	0	0	1840	(1642)
2032	10,500	8,268	2,546	655	0	655	1,891	0	0	1891	249
2033	10,500	8,247	2,622	679	0	679	1,943	0	0	1943	2192
2034	10,500	8,226	2,701	704	0	704	1,997	0	0	1996	4189
2035	10,500	8,205	2,782	730	0	730	2,052	0	0	2051	6240
2036	10,500	8,184	2,865	757	0	757	2,108	0	0	2108	8349



Year	Electricity Consumption (kWh)	Solar Generation (kWh)	Utility Bill (before solar) (\$)	Utility Bill (after solar) (\$)	Maryland SRECs (\$)	Total Energy Spend (After) (\$)	Annual Savings (from solar) (\$)	System Costs (Net of Dealer Incentives) (\$)	Customer Incentives (Upfront) (\$)	Net Savings (\$)	Cumulative Impacts (\$)
2037	10,500	8,163	2,951	785	0	785	2,166	0	0	2166	10515
2038	10,500	8,142	3,040	814	0	814	2,226	0	0	2226	12741
2039	10,500	8,121	3,131	844	0	844	2,287	0	0	2287	15028
2040	10,500	8,100	3,225	874	0	874	2,350	0	0	2350	17379
2041	10,500	8,079	3,322	907	0	907	2,415	0	0	2414	19794
2042	10,500	8,057	3,421	940	0	940	2,481	0	0	2481	22275
2043	10,500	8,036	3,524	974	0	974	2,550	0	0	2549	24825
2044	10,500	8,015	3,630	1,010	0	1,010	2,620	0	0	2619	27444
2045	10,500	7,994	3,738	1,047	0	1,047	2,692	0	0	2691	30136
2046	10,500	7,973	3,851	1,085	0	1,085	2,766	0	0	2765	32902
2047	10,500	7,952	3,966	1,124	0	1,124	2,842	0	0	2841	35744
2048	10,500	7,931	4,085	1,165	0	1,165	2,920	0	0	2919	38664

Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 0.0%



Quotation

Payment Option: Cash

17 x REC Solar 420 Watt Panels (REC420AA Pure-R) 1 x SE7600H-US [240V] (SolarEdge Technologies Ltd.) 17 x S440	
Standard System Price	\$23,865.60
SolarEdge Inverter Warranty Extension (25 yrs)	\$233.00
Critter Guard	\$1,195.00
Educator Discount on Critter Guard (20%)	\$-240.00
Total System Price	\$25,053.60
Purchase Price	\$25,053.60

Additional Incentives

Federal Investment Tax Credit (ITC) <small>The Federal Solar Tax Credit or Federal Investment Tax Credit (ITC) for systems that are placed in service in 2022 or later and begin construction before 2033.</small>	\$7,516.08
Net System Cost	\$17,537.52

Price excludes Retailer Smart Meter should you want us to install your Smart Meter it will be an additional cost.

Payment Milestones

Initial Deposit	7,516.08
First Day of Installation	7,516.08
Upon Completion of Installation	7,516.08
Upon Interconnection Signoff by Utility	2,505.36
Total	25,053.60



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SOLAR'S MOST TRUSTED



REC ALPHA PURE-R SERIES

PRODUCT SPECIFICATIONS

COMPACT PANEL SIZE

9 A PANEL CURRENT
COMPATIBLE WITH MLPE

430 WP
223 $\frac{W}{M^2}$



ELIGIBLE



LEAD FREE
ROHS COMPLIANT

EXPERIENCE



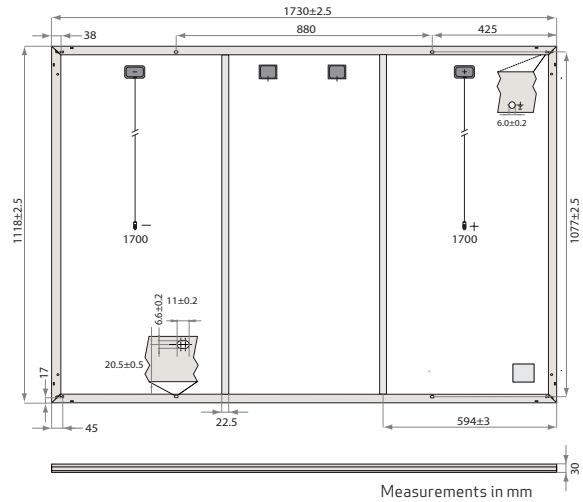
PERFORMANCE

REC ALPHA PURE-R SERIES

PRODUCT SPECIFICATIONS

GENERAL DATA

Cell type:	80 half-cut REC heterojunction cells with lead-free, gapless technology
Glass:	3.2 mm solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black)
Junction box:	4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm ²) in accordance with IEC 62852, IP68 only when connected
Cable:	4 mm ² solar cable, 1.7 + 1.7 m in accordance with EN 50618
Dimensions:	1730 x 1118 x 30 mm (1.93 m ²)
Weight:	21.5 kg
Origin:	Made in Singapore



ELECTRICAL DATA

Product Code*: RECxxxAA Pure-R

	410	420	430
Power Output - P _{MAX} (Wp)	410	420	430
Watt Class Sorting - (W)	0/+10	0/+10	0/+10
Nominal Power Voltage - V _{MPP} (V)	49.4	50.0	50.5
Nominal Power Current - I _{MPP} (A)	8.30	8.40	8.52
Open Circuit Voltage - V _{OC} (V)	59.2	59.4	59.7
Short Circuit Current - I _{SC} (A)	8.81	8.89	8.97
Power Density (W/m ²)	212	218	223
Panel Efficiency (%)	21.2	21.8	22.3
Power Output - P _{MAX} (Wp)	312	320	327
Nominal Power Voltage - V _{MPP} (V)	46.6	47.1	47.6
Nominal Power Current - I _{MPP} (A)	6.70	6.78	6.88
Open Circuit Voltage - V _{OC} (V)	55.8	56.0	56.3
Short Circuit Current - I _{SC} (A)	7.12	7.18	7.24

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of P_{MAX}, V_{OC} & I_{SC} ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). * Where xxx indicates the nominal power class (P_{MAX}) at STC above.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
System voltage:	1000 V
Test load (front):	+ 7000 Pa (713 kg/m ²)*
Test load (rear):	- 4000 Pa (407 kg/m ²)*
Series fuse rating:	25 A
Reverse current:	25 A

* See installation manual for mounting instructions.
Design load = Test load / 1.5 (safety factor)

WARRANTY

	Standard	REC ProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	All	≤25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

See warranty documents for details. Conditions apply

CERTIFICATIONS (PENDING)

IEC 61215:2016, IEC 61730:2016, UL 61730	
IEC 62804	PID
IEC 61701	Salt Mist
IEC 62716	Ammonia Resistance
ISO 11925-2	Ignitability (EN 13501-1 Class E)
IEC 62782	Dynamic Mechanical Load
IEC 61215-2:2016	Hailstone (35mm)
IEC 62321	Lead-free acc. to RoHS EU 863/2015
ISO 14001, ISO 9001, IEC 45001, IEC 62941	



TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of P _{MAX} :	-0.26 %/°C
Temperature coefficient of V _{OC} :	-0.24 %/°C
Temperature coefficient of I _{SC} :	0.04 %/°C

*The temperature coefficients stated are linear values

DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

