1717 E. Park Street
P.O. BOX 87
Two Rivers, WI 54241-0087

ARCHITECTURAL CONTROL COMMITTEE

Wednesday, November 18, 2026

Committee Room 3rd Floor, City Hall 1:30 pm

1. CALL TO ORDER
2. Roll Call: Committee Members: Matt Heckenlaible, Kay Koach, and Adam Taylor.
3. ACTION ITEM
    a. Review plans for the installation of a ground mounted solar array on Lot 14, Block 4, Sandy Bay Highlands, Subdivision No. 3 (346 Rawley Court), Submitted by Olson Solar Energy.
4. Adjournment

TWO RIVERS WISCONSIN

Submit to
Inspections Dept
City of Two Rivers
P.O. Box 87
Two Rivers, WI 54241-0087
Email: zoning@two-rivers.org
Fax: 920-793-5512

BUILDING PERMIT APPLICATION
NEW CONSTRUCTION & ADDITIONS

1. Project Adress 346 Rawley Ct, Two Rivers WI 54241

2. Owner Lee Hilde Phone 907 696 0173 Email: _____

3. Building/Structure: ☑ Residence ☐ Commercial ☐ Industrial ☐ Institutional ☑ Accessory ☐ Early Start

4. Contractor Olson Solar Energy Phone 608 780 2347 Email: design@olsonsolarenergy.com

   Dwelling Contractor License No. 101901067-DC Exp Date 10/31/2026

   Dwelling Qualifier License No. 111901151-DCQ Exp Date 11/05/2027

5. Plans Required:

   a. Application for a building permit shall be submitted together with no less than two sets of complete plans and specifications. DSPS approved plans (additions & new construction) shall require three sets of plans (see Item b.7). Please also submit form SBD5832 for new 1&2 Family Dwellings.

   b. Plans shall be drawn to scale of not less than 1/8 inch per foot and shall include the following:

      1. A plot plan showing the physical dimensions of the lot, location of existing and proposed building or addition, location of the parcel with respect to all adjoining streets, alleys, all proposed driveways and off-street parking and loading facilities, bodies of water and other major physical features such as drainage ditches, hills, railroad tracks, wells and disposal systems, tanks or similar features.
      2. Floor plans for each level including the basement.
      3. Elevation plans for all elevations plans for all elevations including proposed and existing grade date.
      4. Cross section plan.
      5. Complete construction details.
      6. Heat loss calculations for all new buildings and for all major additions to existing buildings.
      7. If approval of the Wisconsin Department of Safety and Professional Services (DSPS) is required, three (3) sets of plans must be submitted for approval, one set of which shall remain on file in the office of the Building Inspector.
      8. Plans to be reviewed under the Wisconsin Department of Safety and Professional Services-Two Rivers Certification Program shall be submitted with all plan review and inspection fees as prescribed by DSPS 302 of the Wisconsin Administrative Code.
      9. Plans not showing adequate detail to allow complete review shall be rejected.

6. List of Contractors and Costs (Mechanicals require separate permits):

   a. General _____ Cost _____

   b. Electrician Olson Solar Energy Cost 34576

   c. HVAC _____ Cost _____

   d. Plumber _____ Cost _____

   e. Foundation _____ Cost _____

   f. Excavator _____ Cost _____

Project Description / Plot Plan:

Two Rivers

The undersigned here by accepts full responsibility for determining the existence and location of any property lines, easements, covenants, utility service lines, etc., that may affect the above described premises. I certify that the information set forth on this form is complete and accurate and hereby agree to comply with all applicable codes of the City of Two Rivers and the State of Wisconsin and with any conditions attached hereto.

Signed _____ Date 8/5/2026

Permit Fee 100.12

Building Permit Fee Schedule (rounded to the nearest whole number)

$0.18 per square foot (Residential)	$2,500 Maximum Fee for New Residential Homes
2.5% of valuation (Commercial)	$100,000 Maximum Fee for New Commercial Buildings
$100 Minimum Fee	$100 Early Start Fee

Dept of Safety & Professional Services
Industry Services Division
Wisconsin Stats. 101.63, 101.73

Wisconsin Uniform Building Permit Application

Instructions on back of second ply. The information you provide may be used by other government agency programs [(Privacy Law, s. 15.04 (1)(m)]

Application No.

Parcel No. 05316500401400

PERMIT REQUESTED ☑ Constr. ☐ HVAC ☑ Electric ☐ Plumbing ☐ Erosion Control ☐ Other:

Owner's Name	Mailing Address	Tel.
Lee Hilde	346 Rawley Ct, Two Rivers, WI 54241	907 696 0173

Contractor Name & Type	Lic/Cert#	Exp Date	Mailing Address	Telephone & Email
Dwelling Contractor (Constr.) Olson Solar Energy	101901067-DC	10/31/2026	1447 Oak Forest Dr, Onalaska WI 54650	608 780 2347
Dwelling Contr. Qualifier (The Dwelling Contr. Qualifier shall be an owner, CEO, COB or employee of the Dwelling Contr.)	111901151-DCQ	11/05/2027	1447 Oak Forest Dr, Onalaska WI 54650	608 780 2347
HVAC				
Electrical Contractor Olson Solar Energy	1456265-EC	06/30/2030	1447 Oak Forest Drive, Onalaska, WI 54650	608 780 2347
Electrical Master Electrician Andrew Wettstein	879234-ME	06/30/2027	1447 Oak Forest Drive, Onalaska, WI 54650	608 780 2347
Plumbing				

PROJECT LOCATION | Lot area _____ Sq.ft. | ☐ One acre or more of soil will be disturbed | ☐ Town ☐ Village ☑ City of Two Rivers | _____ 1/4, _____ 1/4, of Section _____, T _____ N, R _____ E/W

Building Address	County	Subdivision Name	Lot No.	Block No.
346 Rawley Ct, Two Rivers WI 54241	Manitowoc			

Zoning District(s)	Zoning Permit No.	Setbacks:	Front ft.	Rear ft.	Left ft.	Right ft.

1. PROJECT
☐ New ☐ Repair
☐ Alteration ☐ Raze
☐ Addition ☐ Move
☒ Other:

2. AREA INVOLVED (sq ft)

	Unit 1	Unit 2	Total
Unfin. Bsmt			
Living Area			
Garage			
Deck/ Porch			
Totals			

3. OCCUPANCY
☐ Single Family
☐ Two Family
☐ Garage
☐ Other:

4. CONST. TYPE
☐ Site-Built
☐ Mfd. per WI UDC
☐ Mfd. per US HUD

5. STORIES
☐ 1-Story
☐ 2-Story
☐ Other:
☐ Basement

6. ELECTRIC
Entrance Panel Amps: _____
☐ Underground
☐ Overhead

7.WALLS
☐ Wood Frame
☐ Steel
☐ ICF
☐ Timber/Pole
☐ Other:

8. USE
☐ Seasonal
☑ Permanent
☐ Other:

9. HVAC EQUIP.
☐ Furnace
☐ Radiant Basebd
☐ Heat Pump
☐ Boiler
☐ Central AC
☐ Fireplace
☐ Other:

10. SEWER
☐ Municipal
☐ Sanitary Permit# _____

11. WATER
☐ Municipal
☐ On-Site Well

12. ENERGY SOURCE

Fuel	Nat Gas	LP	Oil	Elec	Solid	Solar Geo
Space Htg	☐	☐	☐	☐	☐	☐
Water Htg	☐	☐	☐	☐	☐	☐

13. HEAT LOSS
_____ BTU/HR Total Calculated Envelope and Infiltration Losses (available from "Total Building Heating Load" on Rescheck report)

14. EST. BUILDING COST w/o LAND
$ 34,576.00

I understand that I: am subject to all applicable codes, laws, statutes and ordinances, including those described on the reverse side of the last ply of this form; am subject to any conditions of this permit; understand that the issuance of this permit creates no legal liability, express or implied, on the state or municipality; and certify that all the above information is accurate. If one acre or more of soil will be disturbed, I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and the owner shall sign the statement on the back of the permit if not signing below. I expressly grant the building inspector, or the inspector's authorized agent, permission to enter the premises for which this permit is sought at all reasonable hours and for any proper purpose to inspect the work which is being done.

☐ **I vouch that I am or will be an owner occupant of this dwelling for which I am applying for an erosion control or construction permit without a Dwelling Contractor Certification and have read the cautionary statement regarding contractor responsibility on the second page of this form.**

APPLICANT (Print:) Lee Hilde **Sign:** Lee Hilde **DATE** 08/05/26

APPROVAL CONDITIONS This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty. ☐ **See attached for conditions of approval.**

ISSUING JURISDICTION ☐ Town of ☐ County of _____ ☐ Village of ☐ State _____ ☐ City of

State-Contracted Inspection Agency#: _____

Municipality Number of Dwelling Location

FEES:		PERMIT(S) ISSUED	WIS PERMIT SEAL #	PERMIT ISSUED BY:
Plan Review	$	☐ Construction		Name _____
Inspection	$	☐ HVAC		Date 8/5/2026 Tel. _____
Wis. Permit Seal	$	☐ Electrical		Cert No. _____
Other	$	☐ Plumbing		Email: _____
Total	$	☐ Erosion Control		

SBD-5823(R08/17) Distribute: ☐ Ply 1 – Issuing Jurisdiction; ☐ Ply 2- Issuer forwards to state w/in 30 days; ☐ Ply 3- Inspector; ☐ Ply 4- Applicant

INSTRUCTIONS

The owner, builder or agents shall complete the application form down through the Signature of Applicant block and submit it and building plans and specifications to the enforcing jurisdiction, which is usually your municipality or county. Permit application data is used for statewide statistical gathering on new one- and two-family dwellings, as well as for local code administration. **Please type or use ink and press firmly with multi-ply form.**

PERMIT REQUESTED

- Check off type of Permit Requested, such as structural, HVAC, Electrical or Plumbing.
- Fill in owner's current Mailing Address and Telephone Number.
- If the project will disturb one acre or more of soil, the project is subject to the additional erosion control and stormwater provisions of ch. NR 151 of the WI Administrative Code. Checking this box will satisfy the related notification requirements of ch. NR 216.
- Fill in Contractor and Contractor Qualifier Information. Per s. 101.654 (1) WI Stats., an individual taking out an erosion control or construction permit shall enter his or her dwelling contractor certificate number, and name and certificate number of the dwelling contractor qualifier employed by the contactor, unless they reside or will reside in the dwelling. Per s. 101.63 (7) Wis. Stats., the master plumber name and license number must be entered before issuing a plumbing permit.

PROJECT LOCATION

- Fill in Building Address (number and street or sufficient information so that the building inspector can locate the site.
- Local zoning, land use and flood plain requirements must be satisfied before a building permit can be issued. County approval may be necessary.
- Fill in Zoning District, lot area and required building setbacks.

PROJECT DATA - Fill in all numbered project data blocks (1-14) with the required information. All data blocks must be filled in, including the following:

2. Area (involved in project):
   Basements - include unfinished area only
   Living area - include any finished area including finished areas in basements
   Two-family dwellings - include separate and total combined areas
3. Occupancy - Check only "Single-Family" or "Two-Family" if that is what is being worked on. In other words, do not check either of these two blocks if only a new detached garage is being built, even if it serves a one or two family dwelling. Instead, check "Garage" and number of stalls. If the project is a community based residential facility serving 3 to 8 residents, it is considered a single-family dwelling.
9. HVAC Equipment - Check only the major source of heat, plus central air conditioning if present. Only check "Radiant Baseboard" if there is no central source of heat.
10. Sewage - Indicate if the dwelling will be served by municipal sewer or privately owned treatment system. If a private system is used, include the Sanitary Permit number. Note: A building permit cannot be issued for a new dwelling that utilizes a privately owned wastewater treatment system until a sanitary permit has been issued. This applies to any new or existing private onsite wastewater treatment system that will be used by the dwelling.
13. Heat Loss – Provide heat loss summation data (BTUs/HR) derived from the ResCheck report or the "Heating System Sizing Summary Calculator" available on the Division's website: http://dsps.wi.gov/Programs/Industry-Services/Industry-Services-Programs/One-and-Two-Family-UDC.
14. Estimated Cost - Include the total cost of construction, including materials and market rate labor, but not the cost of land or landscaping.

SIGNATURE – The owner or the contractor's authorized agent shall sign and date this application form. If you do not possess the Dwelling Contractor certification, then you will need to check the owner-occupancy statement for any erosion control or construction permits.

CONDITIONS OF APPROVAL - The authority having jurisdiction uses this section to state any conditions that must be complied with pursuant to issuing the building permit.

ISSUING JURISDICTION: This must be completed by the authority having jurisdiction.

- Check off Jurisdiction Status, such as town, village, city, county or state and fill in Municipality Name
- Fill in State Inspection Agency number only if working under state inspection jurisdiction.
- Fill in Municipality Number of Dwelling Location
- Check off type of Permit Issued, such as construction, HVAC, electrical or plumbing.
- Fill in Wisconsin Uniform Permit Seal Number, if project is a new one- or two-family dwelling.
- Fill in Name and Inspector Certification Number of person reviewing building plans and date building permit issued.

(Part of Ply 4 for Applicants)

Cautionary Statement to Owners Obtaining Building Permits

101.65(lr) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654 (2) (a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1) (a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Cautionary Statement to Contractors for Projects Involving Building Built Before 1978

If this project is in a dwelling or child-occupied facility, built before 1978, and disturbs 6 sq. ft. or more of paint per room, 20 sq. ft. or more of exterior paint, or involves windows, then the requirements of ch. DHS 163 requiring Lead-Safe Renovation Training and Certification apply. Call (608)261-6876 or go to the Wisconsin Department of Health Services' lead homepage for details of how to be in compliance.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service center.

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management standards, and will comply with those standards.

Owner's Signature: Lee Hill Date: 08/05/26

Submit to
Inspection Dept
City of Two Rivers
PO Box 87
Two Rivers, WI 54241-0087
Email: zoning@two-rivers.org
Fax: 920-793-5512

ELECTRICAL PERMIT APPLICATION

1. Project Address 346 Rawley Ct, Two Rivers WI 54241
2. Owner Lee Hilde Phone 907 696 0173
3. Building Use: ☑ 1-Family ☐ 2-Family ☐ Multi-Family ☐ Commercial ☐ Accessory
4. Description: ☑ New ☐ Addition ☐ Alteration ☐ Service ☐ Code Correct
5. Contractor Olson Solar Energy Phone 608 780 2347
5. Master Electrician # 879234 Expiration Date 06/30/2027
6. Electrical Contractor License # 1456265 Expiration Date 06/30/2030

Type of Work	Number
Openings for Switches	
Openings for Receptacles	
Fixtures	
Range	
Dishwasher	
Garbage disposal	
Microwave	
Fans (exhaust)	
Fans (ceiling/paddle)	
Washer	
Dryer	
Post/Spot/Flood lights	
Central air	
Furnace	
Boiler	
Electric heating units	
Water heater	
Signs	
Motors	
Subfeeders #6AWG or larger	

Service _____ AMP ____U/G ____O/H

Description and Fees

Other:

Solar installation

Electrical Permit Fees (rounded to the nearest whole number)

2.0% of valuation (Residential)

2.5% of valuation (Commercial)

$50 Minimum Fee

Project Cost $_____

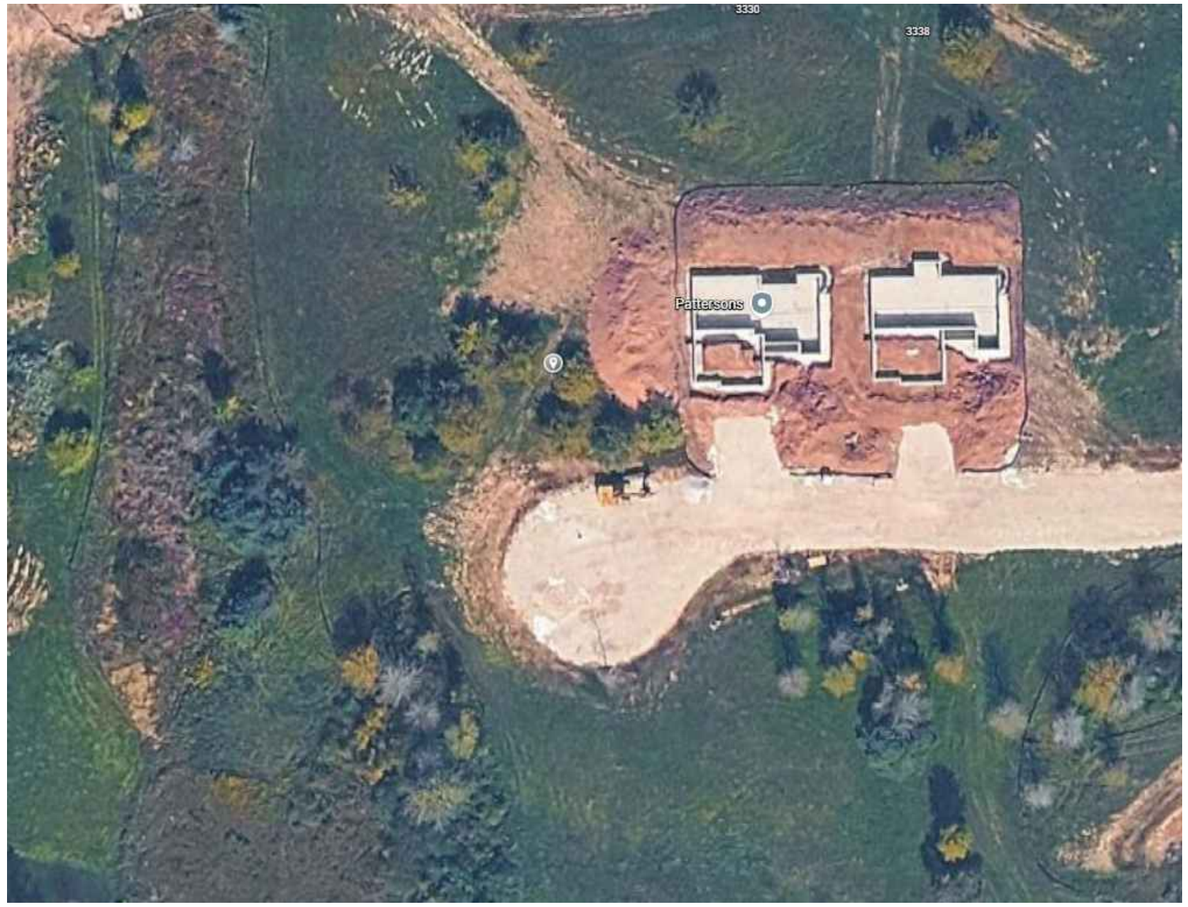
Permit Fee $_____

The undersigned hereby applies for a permit for the execution of electrical installation for light, heat or power, as described above. It is hereby certified by the undersigned owner, or his agent, that the information set forth on this application is complete and accurate and hereby agree to comply with all applicable ordinances/codes of the City of Two Rivers and the State of Wisconsin, along with any conditions attached hereto.

Signed: _____ Date 8/5/2026

(Electrical Contractor or Owner Occupant of Single-Family Dwelling)

AERIAL IMAGE



GENERAL NOTES

1. THIS PROJECT INVOLVES THE INSTALLATION OF A GRID-INTERACTIVE PV SYSTEM. PV MODULES WILL BE MOUNTED USING A PRE-ENGINEERED MOUNTING SYSTEM. THE MODULES WILL BE ELECTRICALLY CONNECTED TO THE LOCAL UTILITY USING MEANS AND METHODS CONSISTENT WITH THE RULES ENFORCED BY THE LOCAL UTILITY AND AUTHORITY HAVING JURISDICTION.
2. THIS DOCUMENT HAS BEEN PREPARED TO DESCRIBE THE DESIGN OF A PROPOSED PV SYSTEM WITH ENOUGH DETAIL TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS. THE DOCUMENT SHALL NOT BE RELIED UPON AS A SUBSTITUTE FOR FOLLOWING MANUFACTURER INSTALLATION INSTRUCTIONS. THE SYSTEM SHALL COMPLY WITH ALL MANUFACTURER INSTALLATION INSTRUCTIONS, AS WELL AS ALL APPLICABLE CODES. NOTHING IN THIS DOCUMENT SHALL BE INTERPRETED IN A WAY THAT OVERRIDES THEM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DETAILS IN THIS DOCUMENT.
3. THIS DOCUMENT IS BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY VARY AND REQUIRE MODIFICATIONS IN CONSTRUCTION DETAILS.
4. THE DIMENSIONS AND MEASUREMENTS SHOWN IN THIS DOCUMENT ARE BASED ON AERIAL IMAGERY AND OTHER AVAILABLE INFORMATION, AND ARE TO BE TREATED AS APPROXIMATED TO SHOW A GENERAL IDEA OF EQUIPMENT LOCATION AND PROPERTY SIZE.
5. ANY CHANGES TO THIS DESIGN AT THE TIME OF INSTALLATION DUE TO FIELD CONDITIONS MUST BE REPORTED TO THE DESIGNER AND AHJ.

SCOPE OF WORK

INSTALLATION OF GROUND-MOUNTED UTILITY INTERACTIVE PV SYSTEM
12 KW DC & 7.66 KW AC

PV MODULES - 20 VSUN VSUN600N-144BMH-DG
INVERTER(S) - 10 HOYMILES HM-800NT

RACKING - UNIRAC GFT
FOUNDATION - DRIVEN PILE

APPLICABLE CODES & STANDARDS

GOVERNING CODES

1. ALL WORK SHALL COMPLY WITH:
   - 1.1 2023 NATIONAL ELECTRICAL CODE
   - 1.2 2015 INTERNATIONAL BUILDING CODE
   - 1.3 2018 INTERNATIONAL FIRE CODE
   - 1.4 2015 WISCONSIN UNIFORM DWELLING CODE
   - 1.5 AND ALL OTHER STATE AND LOCAL AMENDMENTS TO BUILDING AND ELECTRICAL CODES

STRUCTURAL CRITERIA

1. WIND EXPOSURE CATEGORY: C
2. WIND SPEED: 106.0 MPH
3. GROUND SNOW LOAD: 35.0 PSF

ELECTRICAL NOTES

1. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION
2. ALL RACEWAYS ON ROOFTOPS SHALL BE PLACED MORE THAN 7/8" ABOVE THE ROOFTOP. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600V AND 90°C WET ENVIRONMENT
3. WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY
4. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26
5. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS
6. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS, AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS
7. WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUCTORS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY
8. ARRAY GROUNDING TO BE INSTALLED PER RACKING MANUFACTURER'S INSTRUCTION
9. ARRAY RACKING TO BE BONDED WITH CONTINUOUS COPPER E.G.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG
10. THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE.

OLSON SOLAR ENERGY

OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

UTIL - TWO RIVERS WATER & LIGHT
AHJ - TWO RIVERS (CITY)
OCCUPANCY - II
CONSTRUCTION - SFR
ZONING - RESIDENTIAL

SHEET INDEX

PV-1	COVER PAGE
PV-2	SITE PLAN
PV-3	ATTACHMENT DETAILS
PV-4	THREE LINE DIAGRAM
PV-5	ELECTRICAL LABELS
PV-6+	SPEC SHEETS

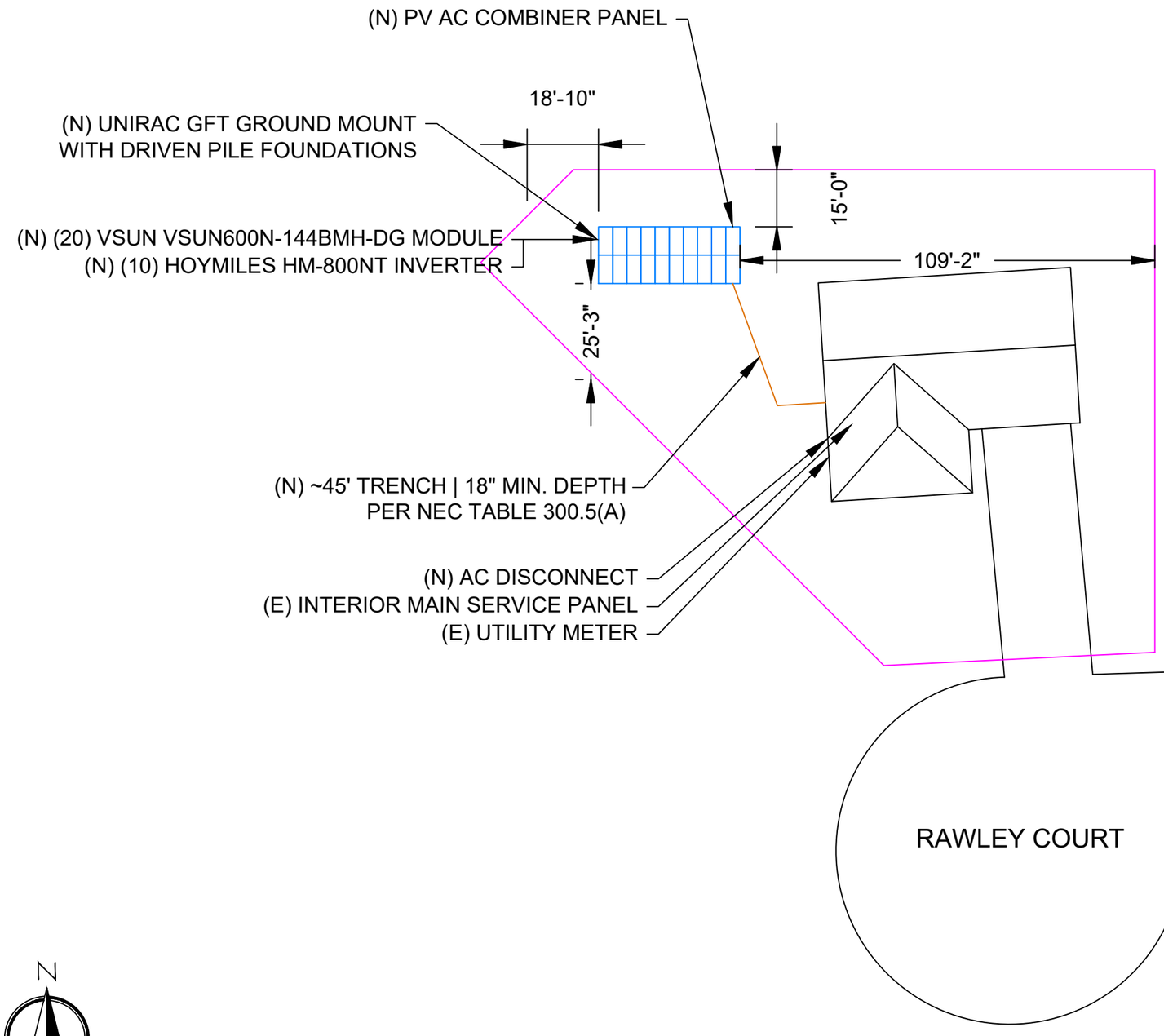
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DRAWN BY: RIGHT ANGLE ENGINEERING	

LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME	SHEET NUMBER
COVER PAGE	PV-1

SYSTEM RATING
12 DC KW
7.66 AC KW

ARRAY INFORMATION			
ARRAY SECTION	PANEL COUNT	ARRAY TILT	AZIMUTH
1	20	30	180



N

OLSON SOLAR ENERGY

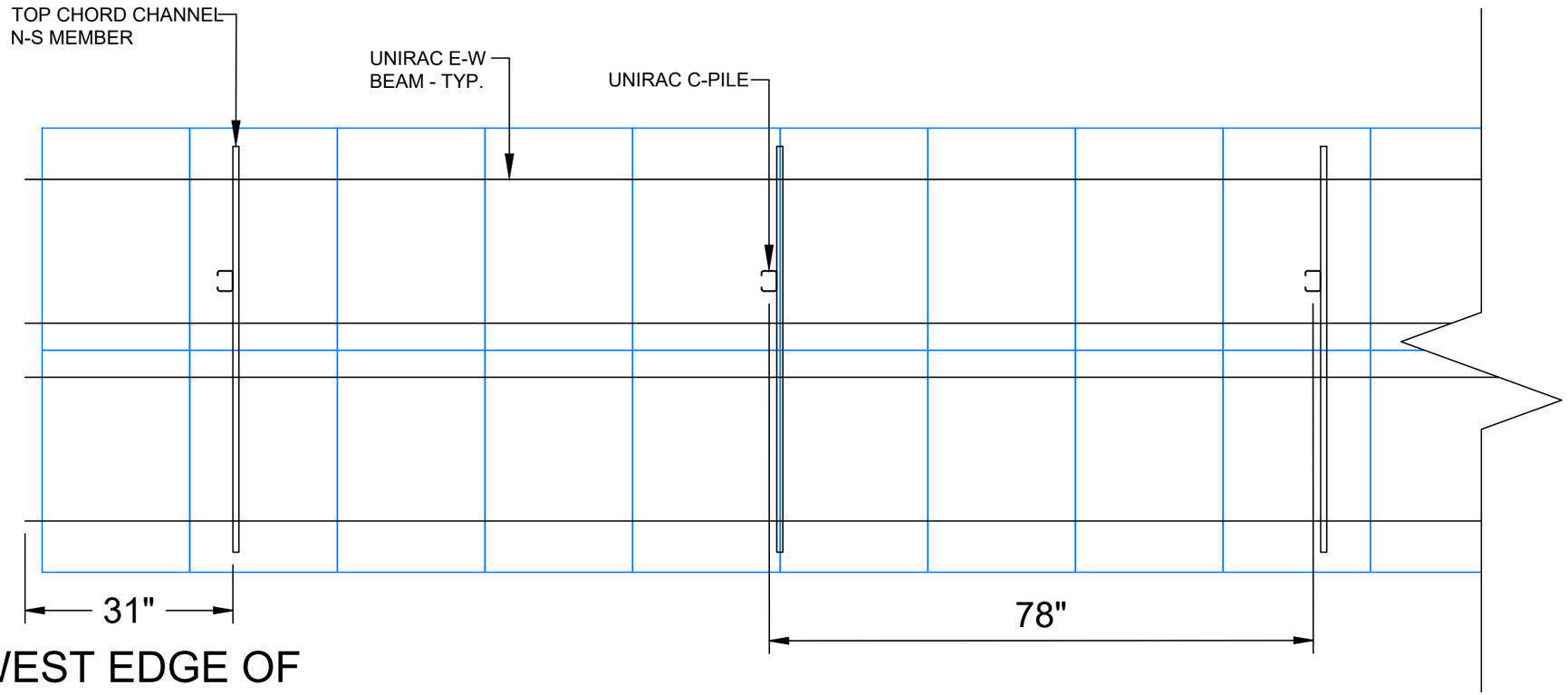
OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

SCALE: 1" = 32.5276' | DATE: 10/8/2026

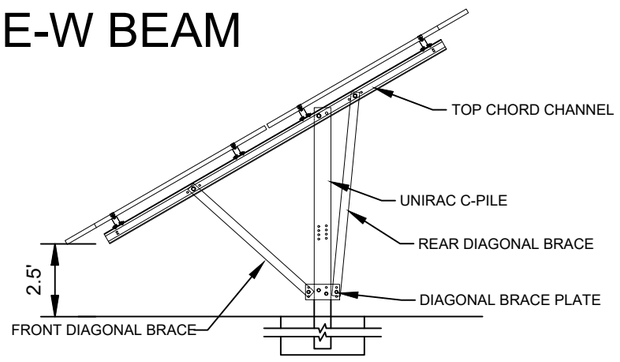
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LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME	SHEET NUMBER
SITE PLAN	PV-2

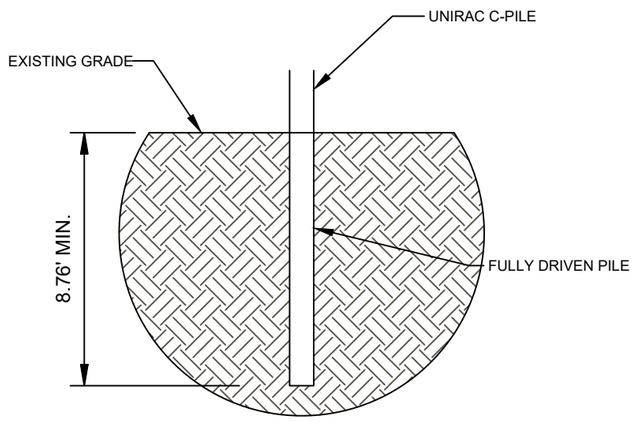


WEST EDGE OF TOP CHORD CHANNEL TO END OF E-W BEAM

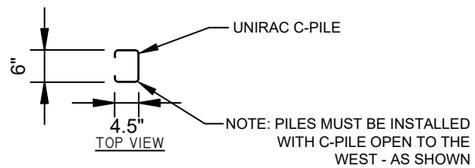


SECTION VIEW OF GFT FOUR-RAIL OPTION - 30° TILT

PILE TO PILE



SIDE VIEW



TOP VIEW

OLSON SOLAR ENERGY

OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

RACKING & STRUCTURAL INFORMATION

RACKING - UNIRAC GFT
FOUNDATION - DRIVEN PILE

SCALE: NTS	DATE: 10/8/2026
DRAWN BY: RIGHT ANGLE ENGINEERING	

LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

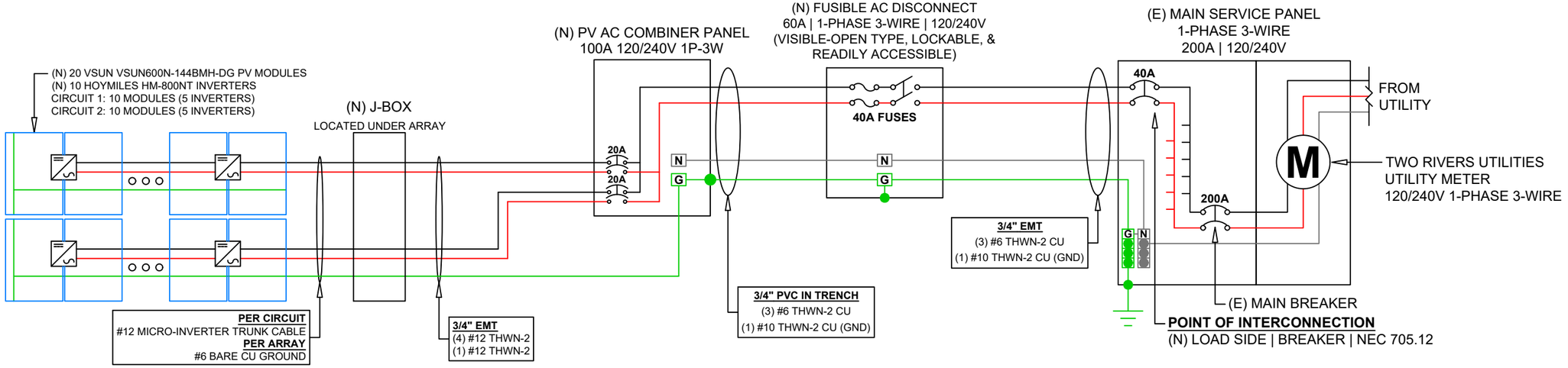
SHEET NAME	SHEET NUMBER
ATTACHMENT DETAILS	PV-3

WIRE LEGEND

- PV ARRAY L1
- PV ARRAY L2
- NEUTRAL CONDUCTOR
- EGC & GEC

SYSTEM RATING
12 DC KW
7.66 AC KW

INVERTER SPECIFICATIONS	
MANUFACTURER/MODEL	HOYMILES HM-800NT
MAX INPUT DC POWER (WDC)	N/A
MAX OUTPUT AC POWER (WAC)	766
NOMINAL OUTPUT VOLTAGE (VAC)	240.0
MAX INPUT VOLTAGE (VDC)	60.0
MAX OUTPUT CURRENT (AAC)	3.19
MAX INPUT CURRENT (ADC)	25.0
OUTPUT COMPATIBILITY	1-PHASE 3-WIRE



OLSON SOLAR ENERGY

OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

SCALE: NTS | DATE: 10/8/2026

DRAWN BY: RIGHT ANGLE ENGINEERING

LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME	SHEET NUMBER
LINE DIAGRAM	PV-4

NEC 690.13(B) & 690.54
LOCATED AT PV SYSTEM DISCONNECT

PV SYSTEM AC DISCONNECT
RATED AC OUTPUT CURRENT: 31.9 AAC
NOMINAL OPERATING AC VOLTAGE: 240 VAC

NEC 690.13(B) & 706.15(C)
LOCATED AT PV SYSTEM DISCONNECT

WARNING

ELECTRICAL SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD
SIDES MAY BE
ENERGIZED IN THE OPEN POSITION

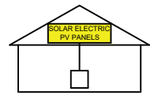
NEC 690.56(C)(2)
LOCATED AT PV SYSTEM DISCONNECT

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

NEC 690.56(C)
LOCATED AT UTILITY METER

SOLAR PV SYSTEM IS EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUTDOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY



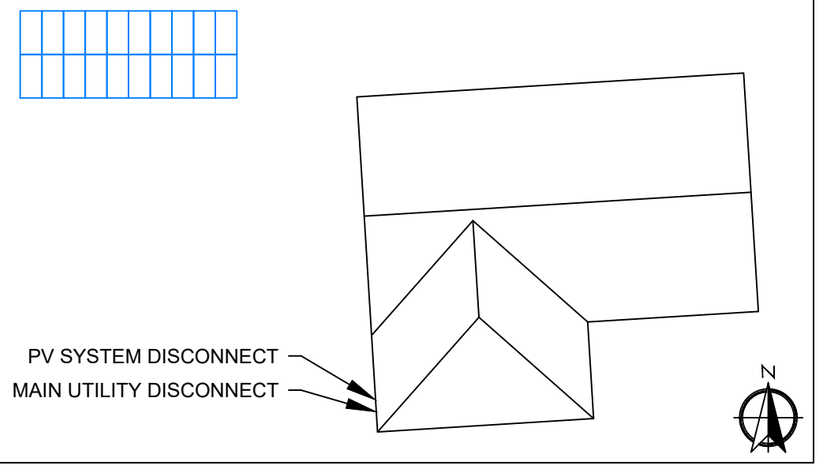
NEC 705.12(B)(3)(2)
LOCATED AT POINT OF INTERCONNECTION

WARNING

POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT
DEVICE

NEC 690.56(A) & (B), 705.10
LOCATED AT UTILITY METER

CAUTION: MULTIPLE SOURCES OF POWER



OLSON SOLAR ENERGY

OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

SCALE: NTS
DATE: 10/8/2026

DRAWN BY: RIGHT ANGLE ENGINEERING

LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME
ELECTRICAL LABELS

SHEET NUMBER
PV-5

600W
Highest power output

23.23%
Module efficiency

1.0%
First-year degradation warranty

0.40%
Annual degradation over 30 years

12 YEAR
Quality Assurance

30 YEAR
Power Output Guauantee

ASSEMBLED IN THE USA



VSUN
Innovative & Smart

VSUN600N-144BMH-DG

VSUN600N-144BMH-DG VSUN595N-144BMH-DG
VSUN590N-144BMH-DG VSUN585N-144BMH-DG
VSUN580N-144BMH-DG VSUN575N-144BMH-DG

KEY FEATURES

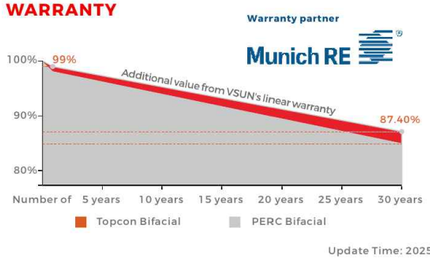
- TOPcon technology
- Higher output power
- MBB technology with Circular Ribbon
- Positive tolerance offer
- Bifacial cells, converting more sunlight into electricity
- Better shading tolerance
- Better temperature coefficient
- Excellent PID Resistance
- Lower LCOE
- UL 61730 & CSA 61730

ABOUT VSUN

Invested by Fuji Solar, VSUN SOLAR is a solar solution provider with headquartered in Tokyo, Japan that offers reliability, high efficiency solar products and technology globally. VSUN is rated as BNEF Tier 1 PV module manufacturer, PVEL Lab "Best performer" and EcoVadis "Bronze Award".

PRODUCT CERTIFICATION

WARRANTY



Update Time: 2025.04.01
Version: 1.0

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN600N-144BMH-DG	VSUN595N-144BMH-DG	VSUN590N-144BMH-DG	VSUN585N-144BMH-DG	VSUN580N-144BMH-DG	VSUN575N-144BMH-DG
Maximum Power - Pmax (W)	600	595	590	585	580	575
Open Circuit Voltage - Voc (V)	52.9	52.69	52.48	52.25	52.02	51.81
Short Circuit Current - Isc (A)	14.03	13.98	13.93	13.88	13.83	13.77
Maximum Power Voltage - Vmpp (V)	44.92	44.71	44.5	44.29	44.08	43.86
Maximum Power Current - Impp (A)	13.36	13.31	13.26	13.21	13.16	13.11
Module Efficiency	23.23%	23.03%	22.84%	22.65%	22.45%	22.26%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1,5; module temperature 25°C. Pmax Sorting : 0~5W. Measuring Tolerance: ±3%.
Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Electrical Characteristics with different rear side power gain(reference to 600 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Impp (A)	Pmax gain
630	52.90	14.73	44.92	14.03	5%
649	52.90	15.43	44.92	14.70	10%
708	52.98	16.84	44.84	16.03	20%
738	52.98	17.54	44.84	16.70	25%

Material Characteristics

Dimensions	2278×1134×35mm (L×W×H) 89.69*44.65*1.38 inches (L×W×H)
Weight	32.7kg / 72.09lbs
Frame	Silver anodized aluminum profile
Front Glass	AR-coating Semi-toughened glass, 2.0mm
Back Glass	Glazed & Semi-toughened glass, 2.0mm
Cells	12×12 pcs mono solar cells series strings
Junction Box	IP68, 3 diodes
Cable	Potrait: + / - 1 2 0 0 m m (cable length can be customized) , 1×4 mm2 or 12AWG
Connector	Staubli MC4

System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	80%±10%
Fire Rating	Class C for IEC and TYPE 29 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C
Maximum Surface Load	+5400/-2400 Pa +113/-50 psf
Application class	class A
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

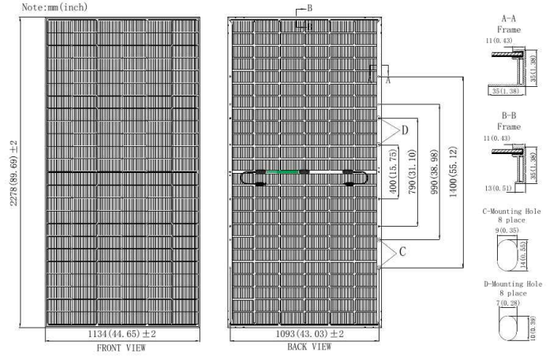
Packaging

Dimensions(L×W×H)	2310×1125×1253mm / 90.94*44.29*49.33inches
Quantity per pallet	31 pcs
Container 20'	155
Container 40'	310
Container 40'HC	620 or 558 for US

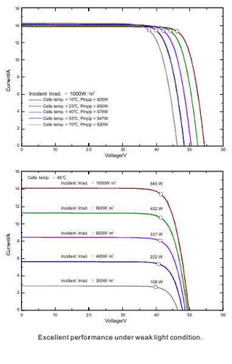
Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.24%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.29%/°C

Dimensions



IV-Curves



Excellent performance under weak light condition.

Update Time: 2025.04.01
Version: 1.0

OLSON SOLAR ENERGY

OLSON SOLAR ENERGY
1447 OAK FOREST DR
ONALASKA,WI 54650
6087802347
LICENSE # 1456265

EQUIPMENT SPECIFICATION NOTES

1. ALL ELECTRICAL EQUIPMENT SHALL BE CERTIFIED ACCORDING TO AHJ AND NATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE.
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SCALE: NTS
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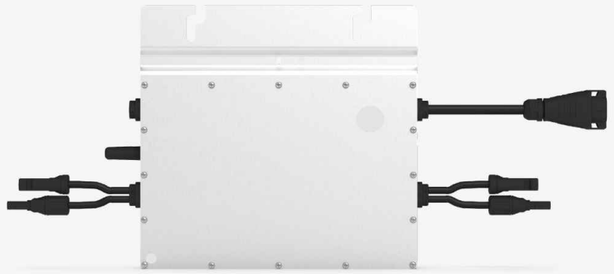
LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME
MFG. SPEC SHEETS

SHEET NUMBER
PV-6

hoymiles

Open Energy For All



Microinverter Datasheet

HM-600NT
HM-700NT
HM-800NT

Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once and maximize the PV production of your installation. With a maximum DC voltage of 60 V, Hoymiles microinverter is a PV Rapid Shutdown Equipment and conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218.

All of the three models listed are equipped with reactive power control and can meet the requirements of IEEE 1547, UL 1741 and CA Rule21.

Features

01 Easy installation, just plug and play

02 With Reactive Power Control, compliant with CA Rule 21

03 Compliant with U.S. NEC-2017&NEC-2020 690.12 rapid shutdown

04 External antenna for stronger communication with DTU

05 High reliability: NEMA 6 (IP67) enclosure, 6000 V surge protection

Technical Specifications

Model	HM-600NT		HM-700NT		HM-800NT	
Input Data (DC)						
Commonly used module power (W)	240 to 405+		280 to 470+		320 to 540+	
Maximum input voltage (V)	60					
MPPT voltage range (V)	16-60					
Start-up voltage (V)	22					
Maximum input current (A)	2 × 11.5		2 × 11.5		2 × 12.5	
Maximum input short circuit current (A)	2 × 15					
Number of MPPTs	2					
Number of inputs per MPPT	1					
Output Data (AC)						
Peak output power (VA)	600		700		800	
Maximum continuous output power (VA)	590		696		766	
Maximum continuous output current (A)	2.46	2.84	2.90	3.35	3.19	3.68
Nominal output voltage/range (V)[1]	240/211-264	208/183-228	240/211-264	208/183-228	240/211-264	208/183-228
Nominal frequency/range (Hz)[1]	60/55-65					
Power factor (adjustable)	> 0.99 default 0.8 leading ... 0.8 lagging					
Total harmonic distortion	< 3%					
Maximum units per 10 AWG branch[2]	9	8	8	7	7	6
Maximum units per 12 AWG branch[2]	6	5	5	4	5	4
Efficiency						
CEC peak efficiency	96.7%					
CEC weighted efficiency	96.5%					
Nominal MPPT efficiency	99.8%					
Nighttime power consumption (mW)	<50					
Mechanical Data						
Ambient temperature range (°C)	-40 to +65					
Dimensions (W × H × D [mm])	250 × 170 × 28					
Weight (kg)	2.6					
Enclosure rating	Outdoor-NEMA 6 (IP67)					
Cooling	Natural convection – No fans					
Features						
Communication	2.4 GHz Proprietary RF (Nordic)					
Type of isolation	Galvanically Isolated HF Transformer					
Monitoring	S-Miles Cloud[3]					
Warranty	Up to 25 years					
Compliance	UL 1741, IEEE 1547, UL 1741 SA (240 Vac), UL 1741 SB, CA Rule 21 (240 Vac)[4], CSA C22.2 No. 107.1-16, FCC Part 15B, FCC Part 15C					
PV Rapid Shutdown	Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218 Rapid Shutdown of PV Systems					

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System
* The HM-800NT microinverter complies with both CA Rule 21 (240 Vac) and CA Rule 21 (208 Vac).

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hoymiles.com
sales@hoymiles.com

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ONALASKA,WI 54650
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SCALE: NTS | DATE: 10/8/2026

DRAWN BY: RIGHT ANGLE ENGINEERING

LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME
MFG. SPEC SHEETS

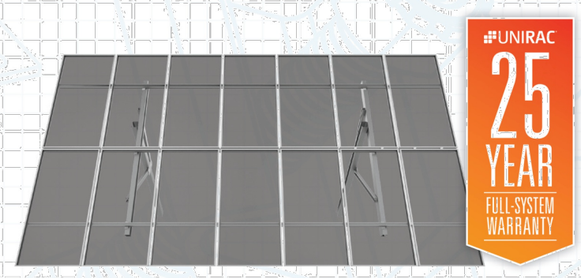
SHEET NUMBER
PV-7

GROUND FIXED TILT

UNIRAC
BETTER SOLAR STARTS HERE

IN STOCK AND READY TO SHIP

- Standardized components and kitted hardware bring ease of stocking and repeatability from 2KW to multi-MW.
- North America's largest ground mount distributor network ensures the fastest lead times and empowers you to finish your projects on schedule.

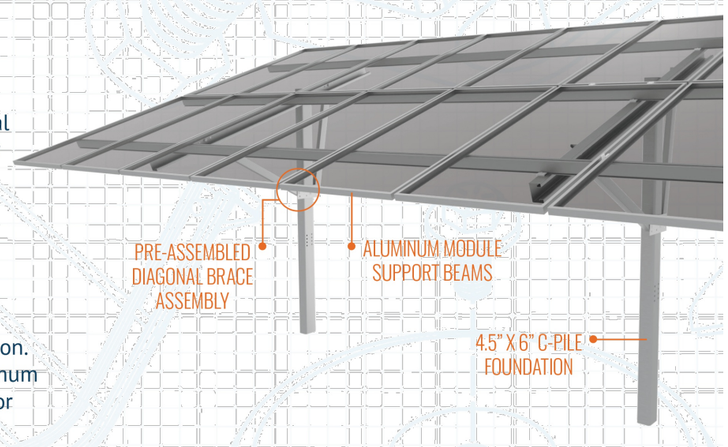


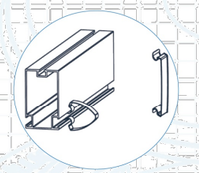
PERMIT - READY

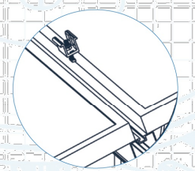
- Pre-engineered regional designs save you valuable time. Industry-leading commercial customer service supports you across your project, from design and logistics through installation.

INSTALLATION EXPERIENCE

- Kitted hardware, integrated bonding, and pre-assembled parts streamline construction. Straightforward connections ensure maximum strength and require no specialized labor or training.
- Lightweight components allow for one or two-person assembly.
- System flexibility enables you to mount all the most common residential and commercial modules on shared rails or at standard module quarter points.
- Choose from multiple foundations and 3, 4, 5, or 6-rail designs to optimize your projects.




SNAP ON WIRE
MANAGMENT


TOP MOUNTING MODULE CLAMPS
W/ INTEGRATED BONDIN

WHY TO CHOOSE GROUND FIXED TILT

GROUND FIXED TILT (GFT) is a single post geometry system with 20 and 30 tilt options. It's engineered using standard lightweight ground mount components that are in stock and ready to ship from North America's largest ground mount distribution network. UNIRAC's unmatched commercial project support makes construction easy, from permitting through installation, including region specific engineering. GFT's refined solution, including a new shared rail design, delivers enhanced system and labor optimization. Plus, enjoy peace of mind with SOLARMOUNT Mounting Technology and UNIRAC's industry-leading 25-year warranty.

FOR QUESTIONS OR CUSTOMER SERVICE CONTACT:
505-242-6411 | SALES@UNIRAC.COM | WWW.UNIRAC.COM
PUB2025JUN13-V1

CONFORMS TO UL2703

ISO 9001:2015 14001:2015 CERTIFIED

OLSON SOLAR ENERGY

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LEE HILDE
346 RAWLEY COURT, TWO RIVERS
TWO RIVERS,WI 54241

SHEET NAME	SHEET NUMBER
MFG. SPEC SHEETS	PV-8

Hello, Lee Hilde

We are excited to hear that you are considering solar!

Thank you for including Olson Solar Energy in your decision- making process.



OUR STORY

Olson Solar Energy was founded and is owned and operated by twin brothers Cameron and Brandon Olson. The Olsons hold a true passion for solar energy and value a strong work ethic and excellent customer service.

THE OLSON SOLAR ENERGY ADVANTAGE

- Our systems are designed and installed by skilled professionals, with specific attention given to each owner's preferences and project requirements.
- We work with the highest quality components and materials, as well as an industry leading 25-year warranty on our workmanship.
- We maintain highly reputable relationships with local utility providers as well as municipalities and other governing authorities by ensuring each system is installed within all proper procedural guidelines.
- We are local. Our company owners, sales associates, electricians, installation and tech service crews each live and work in the communities we serve.

Summary

12,134

kWh Produced Annually



Solar Design for:

123 Johnson St, Manitowoc WI 54220

Mike Kerska

SOLAR SALES MANAGER

608.386.9837

OLSON SOLAR ENERGY

What is the solution?



28

0819 - VSUN 440W Solar Panels
SOLAR PANELS

14

1625 - HM-800NT Micro Inverter
INVERTERS

12,134

kWh Energy Produced

12.3

KW DC System

OLSON SOLAR ENERGY

Your solar package estimate



Lee Hilde
123 Johnson St, Manitowoc WI 54220

Description	qty	Total	Watts
PV Modules			
VSUN Solar 440w MONO-Perc Bi-Facial Full Black Mesh Module	28		12320
Inverters & Accessories			
HoyMiles HM-800NT MicroInverter 800w Bus Cable Connection 2:1	14		
HoyMiles 7821361 DTU-PRO Wireless Communication Module			
Package Includes Inverter supporting materials, wiring and installation			
Mounting & Racking			
Premium Racking System - Asphalt			
Package Includes all racking supporting materials and installation			
Turn Key Installation			
PV Safety Labels NEC 2020 Pack			
MATERIALS SHIPPING/FREIGHT COSTS			
ELECTRIC INSTALLATION/GRID TIE			
OLSON SOLAR ENERGY SYSTEM DESIGN			
PERMITTING			
OLSON SOLAR ENERGY INSTALLATION LABOR			
ADDITIONAL SERVICES			
Total	**$**	**41,852.59**	**$ 3.40**

Final Costs	
Multiple System Buy Discount	**$ (1,232.00)**
Total System Cost Today	**$ 40,620.59**
Total System Cost per Watt	$ 3.30
Estimated Focus on Energy*	$ (2,400.00)
Estimated Federal Credit (30%)**	
Total Cost after Incentives	$ 38,220.59
Total Cost per Watt after Incentives	$ 3.10

10/22/2026 | All Estimates valid for 30 days.
*Incentives based on third party funds and may be depleted, are not guaranteed.
** Always consult a tax professional regarding federal tax credit eligibility.

OLSON SOLAR ENERGY

Investment analysis data

Lee Hilde
123 Johnson St, Manitowoc WI 54220

Proposed Net Investment	$ 38,220.59

Your Olson Solar Energy Estimate minus estimated incentives

Utility Provider	ater & Light Utility (WPPI)
Current Price Per Watt	$ 0.1075
Annual kWh Produced	12134
Payback (years)	0
25 Year Net Savings	$ 5,652.12

Interest Rate†	8.74%
Years of loan	12
Monthly Payment	$429.38

†Estimated interest rate for common solar loan. Consult your preferred lender for actual rate and payment terms.

Increase in property value	$ 24,843.38

					POTENTIAL FINANCE OPTIONS		
Year	Annual kWh Produced	Annual Value	Accumulated Value	Savings	Finance Monthly Payment	Monthly +/- Difference of Going Solar	Weekly +/- Difference of Going Solar
0	0	$ -	$ -	$ (38,220.59)	$ -		
1	12134	$ 1,304.16	$ 1,304.16	$ (36,916.43)	$ 429.38	$ (320.70)	$ (76.36)
2	12061	$ 1,335.23	$ 2,639.39	$ (35,581.20)	$ 429.38	$ (318.12)	$ (75.74)
3	12023	$ 1,367.03	$ 4,006.42	$ (34,214.17)	$ 429.38	$ (315.47)	$ (75.11)
4	11984	$ 1,399.60	$ 5,406.02	$ (32,814.57)	$ 429.38	$ (312.75)	$ (74.46)
5	11946	$ 1,432.93	$ 6,838.95	$ (31,381.64)	$ 429.38	$ (309.97)	$ (73.80)
6	11908	$ 1,467.07	$ 8,306.02	$ (29,914.57)	$ 429.38	$ (307.13)	$ (73.13)
7	11869	$ 1,502.01	$ 9,808.03	$ (28,412.56)	$ 429.38	$ (304.22)	$ (72.43)
8	11831	$ 1,537.79	$ 11,345.82	$ (26,874.77)	$ 429.38	$ (301.24)	$ (71.72)
9	11794	$ 1,574.42	$ 12,920.24	$ (25,300.35)	$ 429.38	$ (298.18)	$ (71.00)
10	11756	$ 1,611.92	$ 14,532.16	$ (23,688.43)	$ 429.38	$ (295.06)	$ (70.25)
11	11718	$ 1,650.32	$ 16,182.48	$ (22,038.11)	$ 429.38	$ (291.86)	$ (69.49)
12	11681	$ 1,689.63	$ 17,872.11	$ (20,348.48)	$ 429.38	$ (288.58)	$ (68.71)
13	11643	$ 1,729.88	$ 19,601.98	$ (18,618.61)	$ 429.38	$ (285.23)	$ (67.91)
14	11606	$ 1,771.08	$ 21,373.07	$ (16,847.53)			
15	11569	$ 1,813.27	$ 23,186.33	$ (15,034.26)			
16	11532	$ 1,856.46	$ 25,042.80	$ (13,177.80)			
17	11495	$ 1,900.68	$ 26,943.48	$ (11,277.11)			
18	11458	$ 1,945.96	$ 28,889.43	$ (9,331.16)			
19	11422	$ 1,992.31	$ 30,881.74	$ (7,338.85)			
20	11385	$ 2,039.77	$ 32,921.51	$ (5,299.08)			
21	11349	$ 2,088.35	$ 35,009.86	$ (3,210.73)			
22	11312	$ 2,138.10	$ 37,147.96	$ (1,072.63)			
23	11276	$ 2,189.03	$ 39,336.98	$ 1,116.39			
24	11240	$ 2,241.17	$ 41,578.15	$ 3,357.56			
25	11204	$ 2,294.55	$ 43,872.71	$ 5,652.12			

10/22/2026 | All Estimates valid for 30 days.
*Incentives based on third party funds and may be depleted, are not guaranteed.
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OLSON SOLAR ENERGY

Investment analysis summary

Lee Hilde
123 Johnson St, Manitowoc WI 54220

YOUR ESTIMATED SAVINGS

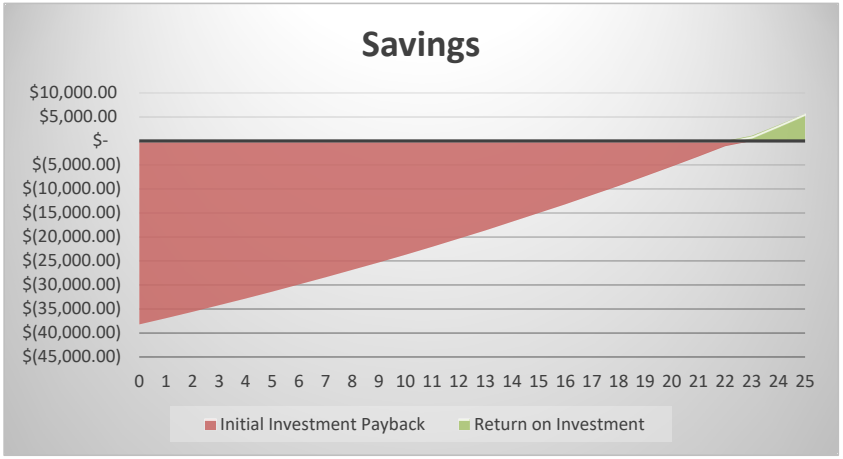
$ 5,652.12	**25 YEAR NET SAVINGS**
$ 38,220.59	Net Investment
0	Payback (yrs)
$ 24,843.38	Increase in Property Value**

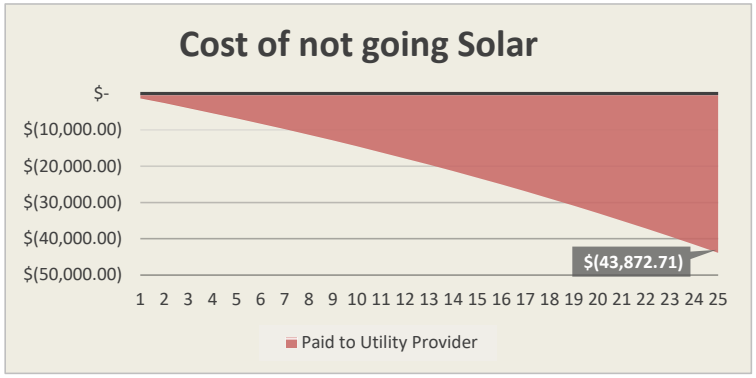
FINANCE ESTIMATE

8.74%	Estimated Intereste Rate
12	Loan term (yrs)
$ 429.38	Estimated Monthly Payment

If you choose to seek a financing for your solar system, compare this number to your current monthly electric utitily bill to realize instant savings!

$ (320.70)	**First Year monthly +/- Difference of Going Solar**





Savings calculations based on current utility price per watt and include a national average of a 3% annual rate increase.
*** Based on a Lawrence Berkeley National Laboratory Study, 65% of the cost of solar is recovered when a home is sold.*

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OLSON SOLAR ENERGY

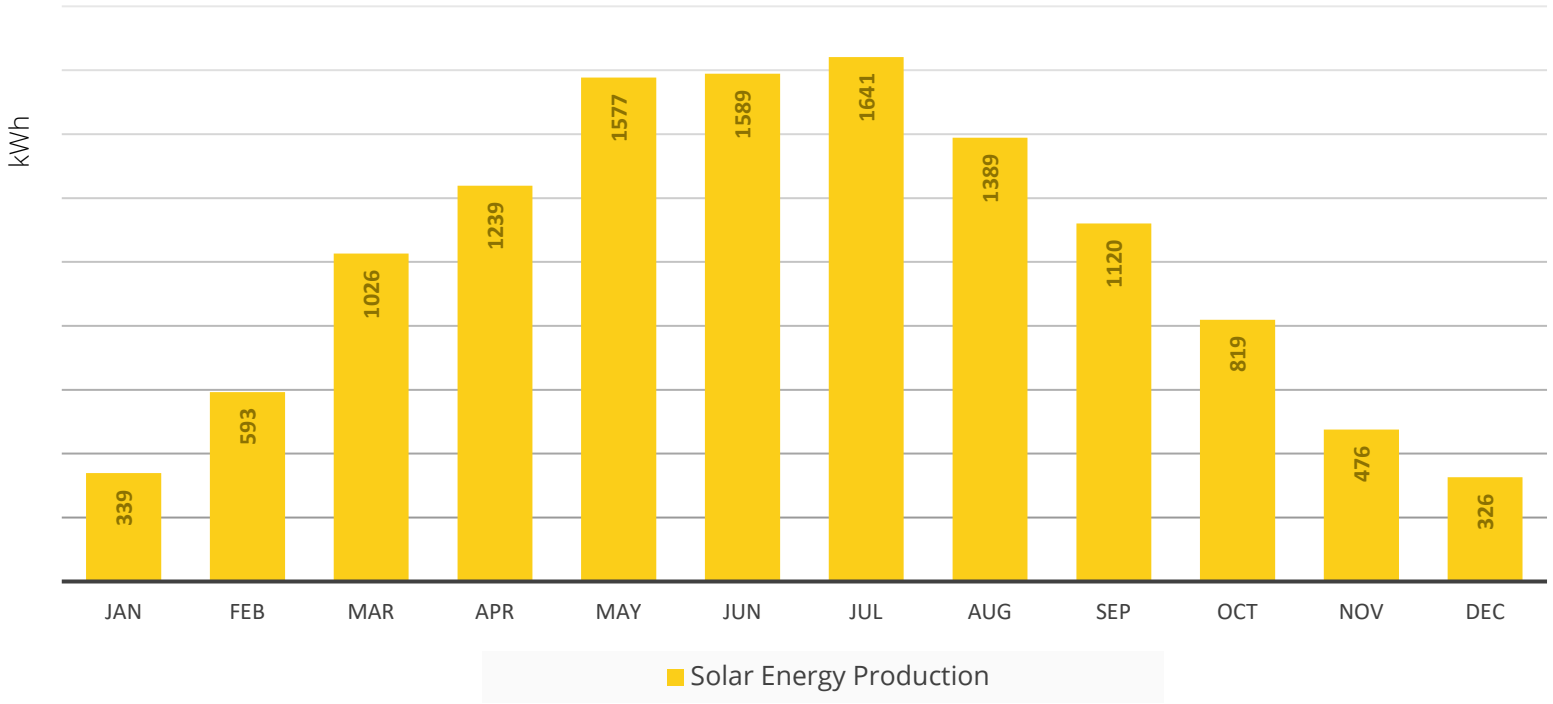
How much solar energy will be produced?

12,134

kWh Energy Produced Annually by Solar

100%

of your kWh Energy Current Annual Usage* Any remaining will be provided by the grid



OLSON SOLAR ENERGY

Beyond the gold

Over a 25 year period of using solar energy you will have saved:



4,369

TREES



19,308

GALLONS OF GAS



366,609

MILES DRIVEN

OLSON SOLAR ENERGY



OLSON SOLAR ENERGY

ENERGY SAVINGS REPORT FOR

Lee Hilde

123 Johnson St, Manitowoc, WI 54220

(608) 386-9837

mike.kerska@olsonsolarenergy.com

This proposal is not a bid for work, but an estimated loan calculator for the work order that will be provided by the Installation Contractor. Disclaimers and disclosures are located on the

OLSON SOLAR ENERGY

About us

We are excited to hear that you are considering solar!

Thank you for including Olson Solar Energy in your decision- making process.



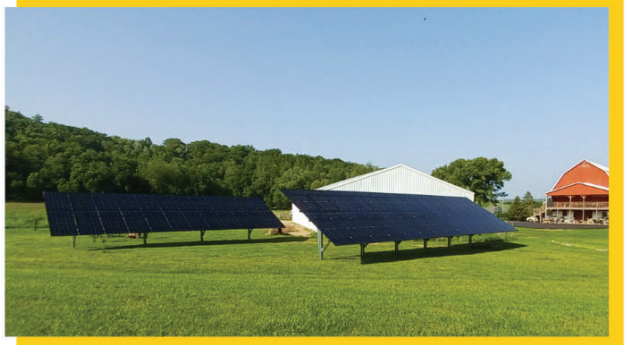
OUR STORY

Olson Solar Energy was founded and is owned and operated by twin brothers Cameron and Brandon Olson. The Olsons hold a true passion for solar energy and value a strong work ethic and excellent customer service.

THE OLSON SOLAR ENERGY ADVANTAGE

- Our systems are designed and installed by skilled professionals, with specific attention given to each owner's preferences and project requirements.
- We work with the highest quality components and materials, with 25-year warranties on modules, inverters, and mounting materials, as well as an industry leading 25-year warranty on our workmanship.
- We maintain highly reputable relationships with local utility providers as well as municipalities and other governing authorities by ensuring each system is installed within all proper procedural guidelines.
- We are local. Our company owners, sales associates, electricians, installation and tech service crews each live and work in the communities we serve.













Solar Makes ¢ents

Net Metering Means Less Worry



Why Rent When You Can Own?



Predictable Energy, Predictable Budget



Saving Green and Going Green



Your Solar Design

Modules

VSUN VSUN485N-120BMH-BB (x20)

Inverter

Hoymiles HM-800NT(x10)

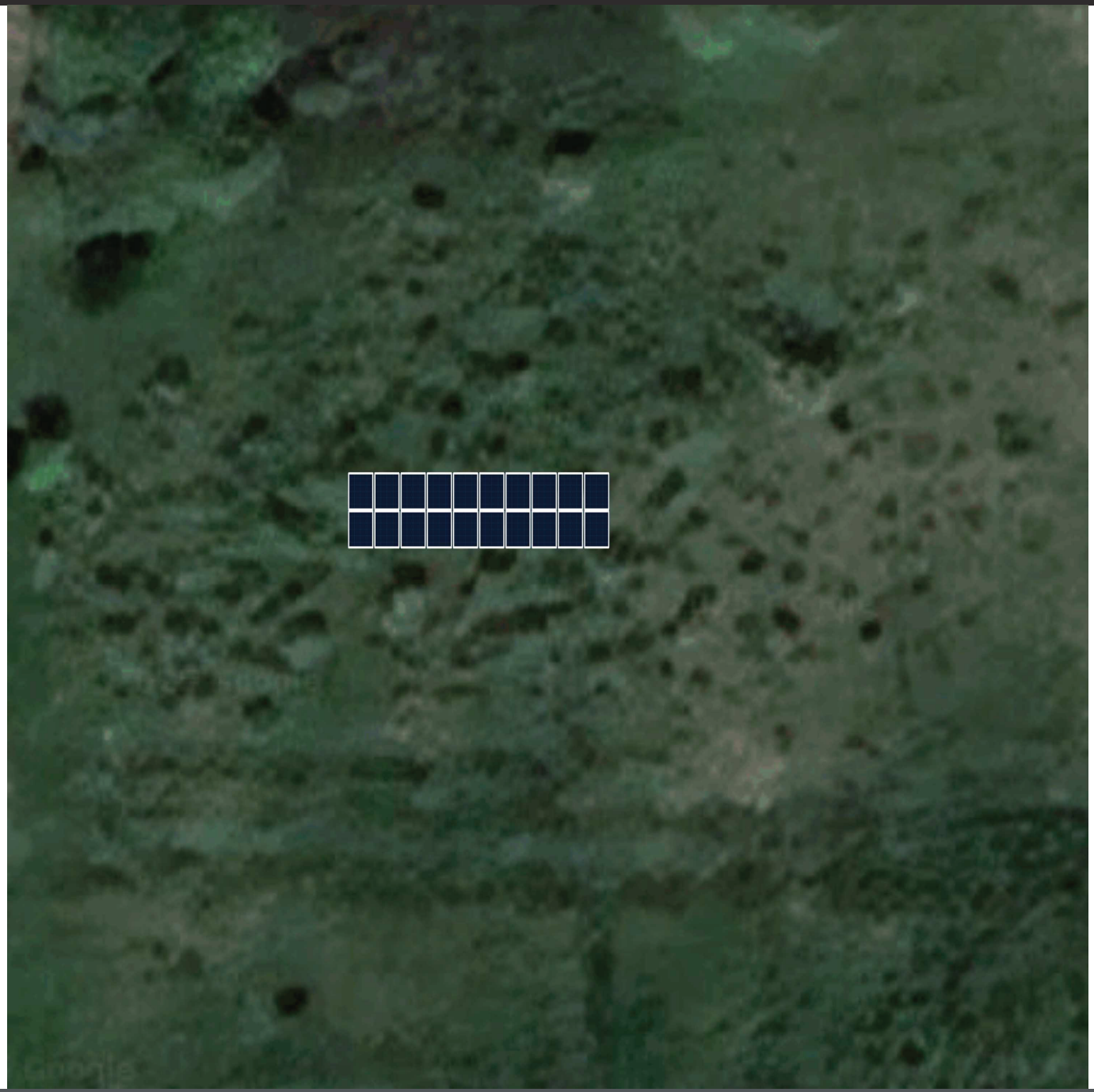
System Size

9.7 kW

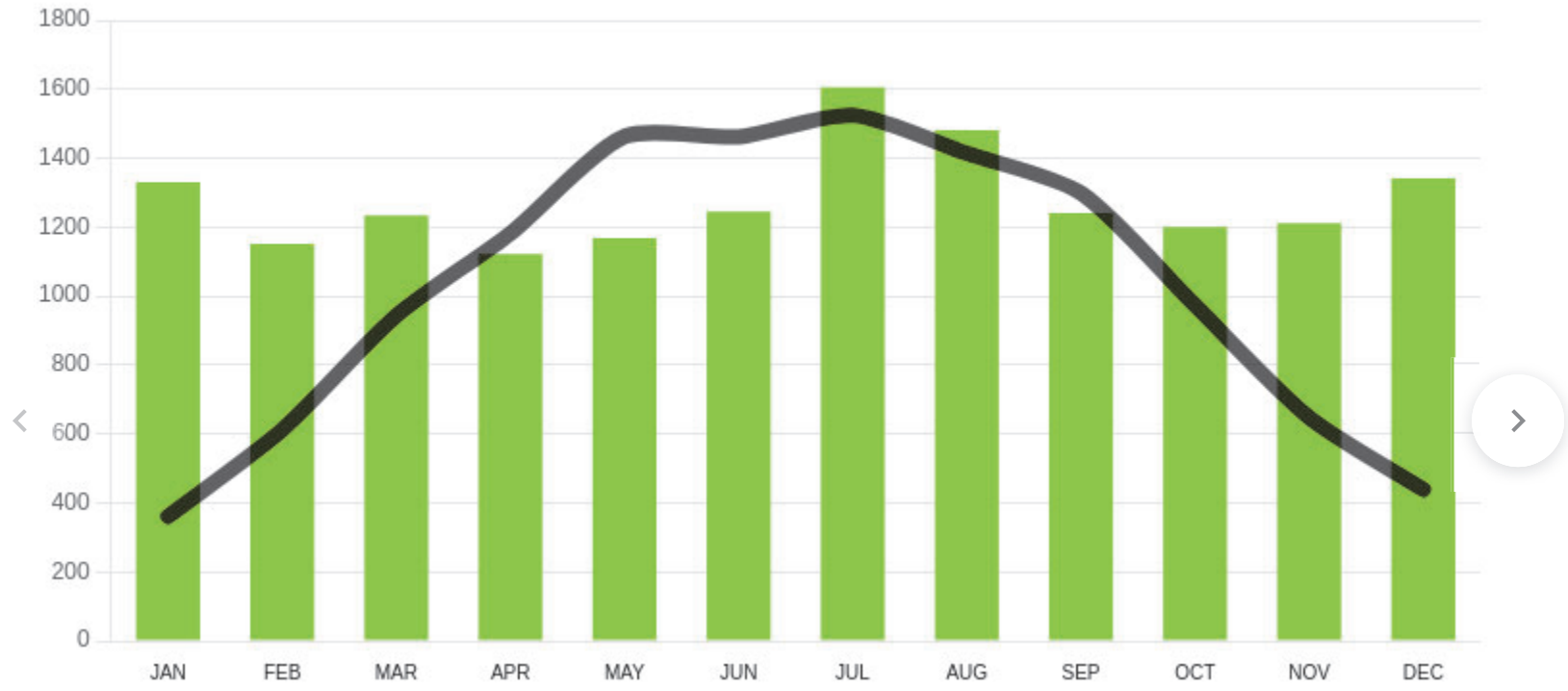
Estimated Yearly Production

12,320 kWh

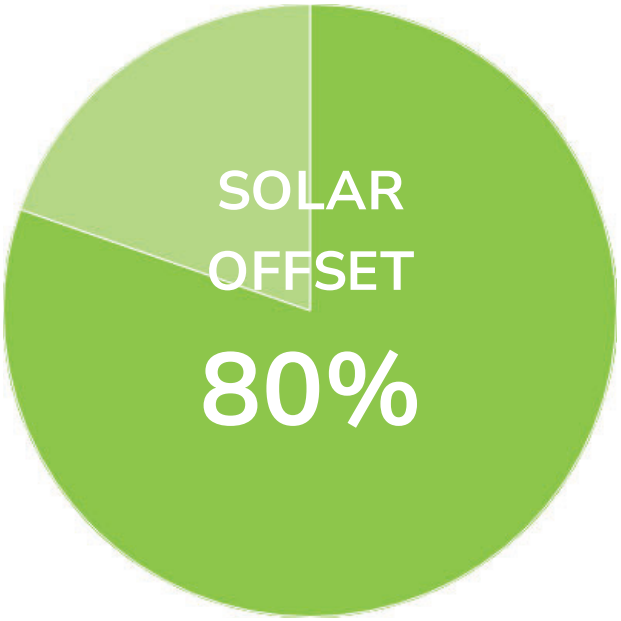
SYSTEM DETAILS



UPDATE USAGE

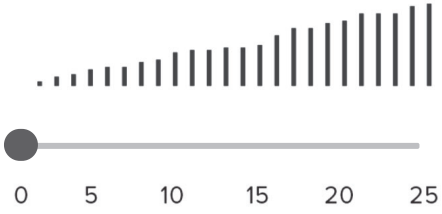


Annual | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec



YOUR CURRENT UTILITY BILL

$150



Current Cost per kWh **$0.117/kWh**



25-YEAR SAVINGS

$18,329

YOUR SOLAR PAYMENT

$0.00

New Utility Bill: $43

Avg. 25-yr Cost per Solar kWh**$0.11/kWh**

Cash

Select Finance Option

HOW WILL YOU USE

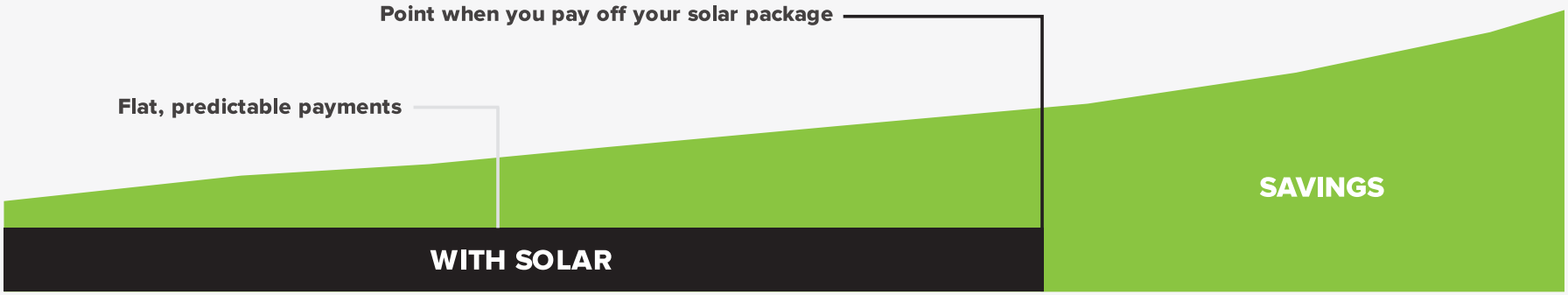
YOUR INCENTIVE?

☑ Focus on Energy $2,400.00

Cash Price	**$34,576.00**
Focus on Energy	($2,400.00)
Net System Cost	**$32,176**

OLSON SOLAR ENERGY

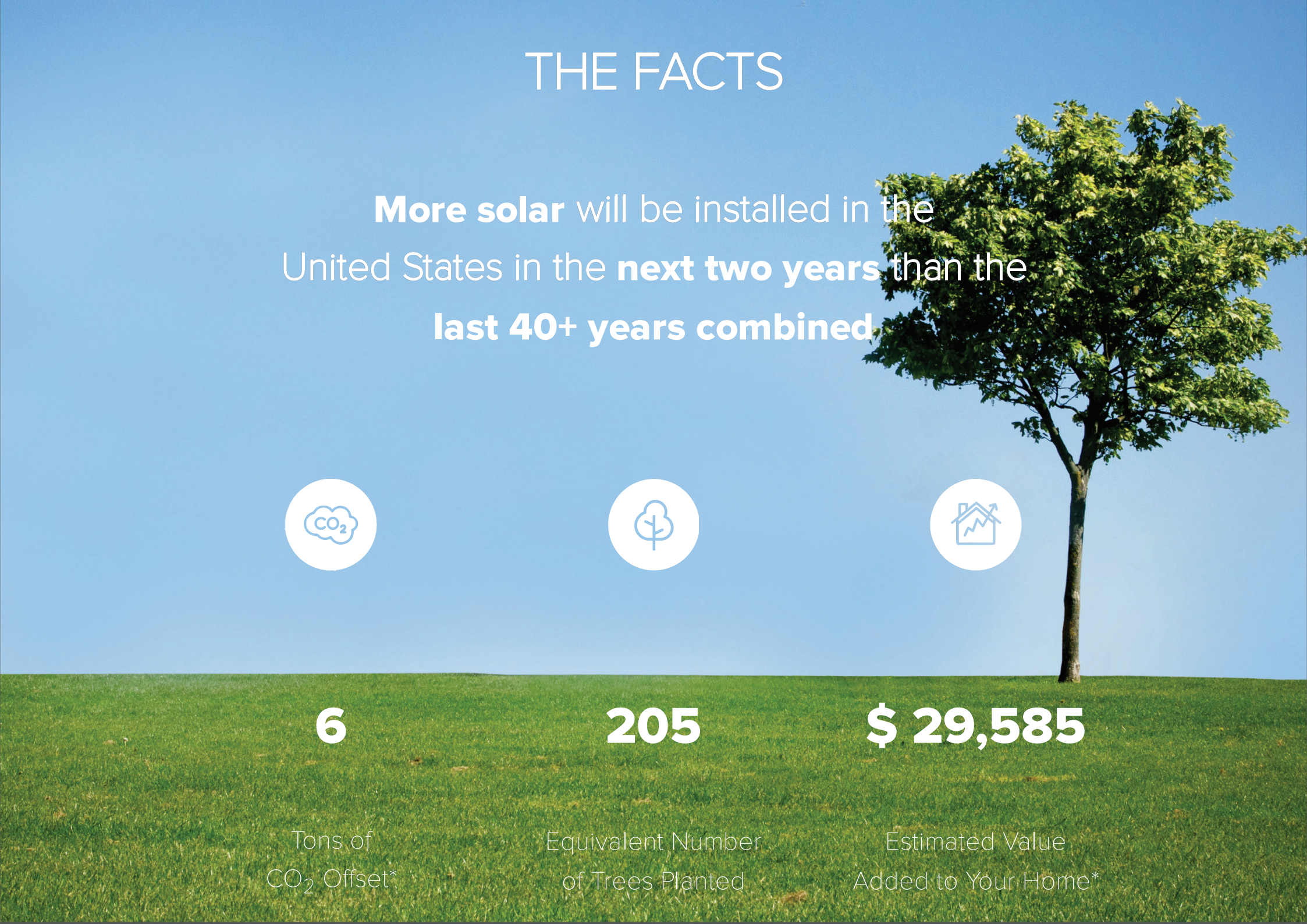
THE SAVINGS



$150 Current Average Bill	**$400** Average Bill in 25 years
$1,800 Current Annual Bill	**$4,798** Annual Utility Bill in 25 years
$74,953 25 year cost of doing nothing	

THE FACTS

More solar will be installed in the United States in the **next two years** than the **last 40+ years combined**.



6

Tons of CO_2 Offset*

205

Equivalent Number of Trees Planted

$ 29,585

Estimated Value Added to Your Home*

PROPOSAL DETAILS

Utility

Annual Utility Bill	**$1,800**
Current Consumption	**15,332 kWh**
Estimated Cost Per KWh	**$0.117/kWh**
Annual Utility Price Escalator	**4%**
Current Rate Plan	**Residential Service**
Post Solar Rate Plan	**Residential Service**
Utility Company	**Two Rivers Water & Light**

System

System Size	**9.7 kW**
Year 1 Solar Production	**12,320 kWh**
Annual Degradation	**0.395%**
25 Year System Production	**293,216 kWh**
Estimated Cost Per KWh	**$0.11/kWh**

Cost

Total Cost	**$34,576.00**
Post Solar Annual Utility Bill	**$517**

Olson Solar Energy, LLC does not provide tax or legal advice. You should consult your tax advisor for more information. The interest rate provided in this proposal is subject to credit approval by the financing provider for your loan. The data provided in this proposal is a preliminary estimate and does not represent a binding agreement or obligation. No party provides and guarantees, warranties, or representations regarding the production, utility rate increases, or any other data in this sales proposal. This proposal is a preliminary estimate and not an approval for financing. [1]