

OCALA UTILITY SERVICES
OCALA, FLORIDA

ORIGINAL SHEET NO. 19.0

**APPLICATION FOR INTERCONNECTION OF
CUSTOMER-OWNED RENEWABLE
GENERATION SYSTEMS**

TIER 1 - Ten (10) kW or Less

TIER 2 - Greater than 10 kW and Less Than or Equal to 100 kW

TIER 3 - Greater than 100 kW and Less Than or Equal to Two (2) MW

Note: These customer-owned renewable generation system size limits may be subject to a cumulative enrollment limit on net-metering customers located in the area served by the City of Ocala Utility Services. Please refer to the Ocala Utility Services Net-Metering Rate Schedule.

Ocala Utility Services electric customers who install customer-owned renewable generation systems (RGS) and desire to interconnect those facilities with the Ocala Utility Services system are required to complete this application. When the completed application and fees are returned to Ocala Utility Services, the process of completing the appropriate Tier 1, Tier 2 or Tier 3 Interconnection Agreement can begin. This application and copies of the Interconnection Agreements may be obtained at Ocala Utility Services, located at 201 SE 3rd Street, Ocala, Florida 34471, or may be requested by email from OUS@ocalafl.org.

1. Customer Information

Name: Claire Nelson
Mailing Address: 6191 NE 64th St
City: Silver Springs State: FL Zip Code: 34488
Phone Number: (321) 914-9469 Alternate Phone Number: _____
Email Address: chnnel04@yahoo.com Fax Number: _____
Ocala Utility Services Customer Account Number: 528469-236408

2. RGS Facility Information

Facility Location: 6191 NE 64th St, Silver Springs, FL 34488
Ocala Utility Services Customer Account Number: 528469-2364
RGS Manufacturer: VSUN
Manufacturer's Address: 39899 Balentine Dr, Suite 315, Newark, CA, 94560, US
Reference or Model Number: VSUN400-108M-BB(400W) Modules
Serial Number: _____

(Continued on Sheet No.19.1)

OCALA UTILITY SERVICES

ORIGINAL SHEET NO. 19.1

Effective: February 1, 2016

OCALA, FLORIDA
(Continue from Sheet No. 19.0)

3. Facility Rating Information

Gross Power Rating: 12.92 ("Gross power rating" means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with Ocala Utility Services' distribution facilities. For inverter-based systems, the AC nameplate generating capacity shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.)

Fuel or Energy Source: PV Solar

Anticipated In- Service Date: 04/07/23

4. Application Fee

The application fee is based on the Gross Power Rating and must be submitted with this application. The non-refundable application fee is \$320 for Tier 2 and \$470 for Tier 3 installations. There is no application fee for Tier 1 installations.

5. Interconnection Study Fee

For Tier 3 installations, a deposit in the amount of \$2,500 will be paid along with this application in addition to the application fee referenced in Article 4 above. This deposit will be applied toward the cost of an interconnection study. The customer will be responsible for actual costs of the study, not to exceed \$2,500. Should the actual cost of the study be less than the deposit, the difference will be refunded to the customer.

6. Required Documentation

Prior to completion of the Interconnection Agreement, the following information must be provided to the Ocala Utility Services by the customer.

A. Documentation demonstrating that the installation complies with:

1. IEEE 1547 (2003) Standard for Interconnecting Distributed Resources with Electric Power Systems.
2. IEEE 1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems.
3. UL 1741 (2005) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources.

B. Documentation that the customer-owned renewable generation has been inspected and approved by local code officials prior to its operation in parallel with the Ocala Utility Services system to ensure compliance with applicable local codes.

(Continued on Sheet No. 19.2)

OCALA UTILITY SERVICES
OCALA, FLORIDA

ORIGINAL SHEET NO. 19.2

Effective: February 1, 2016

(Continued from Sheet No. 19.1)

C. Proof of insurance in the amount of:

Tier 1 - \$100,000.00

Tier 2 - \$1,000,000.00

Tier 3 - \$2,000,000.00

Customer

By: Claire Nelson

Date: February 4, 2023

(Print Name)

Claire Nelson

840bca9fb9452535900c07ebcdcacb98324f39b0e0a

(Signature)

Effective: February 1, 2016



9/11/2023

RE: 6191 NE 64th ST, Ocala, FL 344xx

Claire Nelson,

The City of Ocala Electric Utility (OEU) has received your net metering application for the installation of a customer-owned renewable generation system (RGS) at the address listed above.

This letter is to provide you with approval or denial for the **12.92 kW_{AC}** RGS listed on your application.

(**X**) Your application has been **approved** for the maximum system nameplate rating stated on your application.

Your application will be approved for a **Tier 2** size system.

() Your application has been **denied** for the system size stated on your application. It exceeds what is allowable under the OEU Net Metering tariffs. The maximum size that would be allowed for this address is _____ **kW_{AC}** maximum RGS nameplate rating.

Prior to OEU moving forward with further processing of your application, please ensure that you have submitted the following items for review and acceptance:

- Application payment (if applicable), based on the system tier size in the application.
- Application information must be fully completed along with the OEU-approved maximum RGS nameplate rating (kW_{AC}) and signed by the OEU customer.
- Proof of the required general liability insurance based on the tier level of your application.

Use the Net Metering Customer Checklist on the www.OcalaFL.org website for further details.

The City of Ocala Electric Utility looks forward to working with you as you pursue your solar-based renewable generation system.

Sincerely,

A handwritten signature in blue ink, appearing to read "Randy Hahn", is written over a blue circular stamp.

Randy Hahn, C.P.M. (or designee)
Electric Engineering Manager
City of Ocala Electric Utility

American Strategic Insurance Corp
1 ASI Way
St. Petersburg, FL 33702
Phone: (727) 374-2502

PROGRESSIVE
UMBRELLA

Premises Only Liability Declarations Page

Agent:

Professional Property & Casualty, LLC
2050 Winter Springs Blvd
Oviedo, FL 32765

Agent Code: 418438

For Policy Service, Call: (407) 366-7746

Total Policy Premium:
\$210
Policy Number:
FLU156993
Plan Type:
UMB
Policy Period: From: 03/04/2023 To: 03/04/2024

Effective Date of Transaction: 03/04/2023

Transaction Type: New Business

Named Insured:

CLAIRE NELSON
6191 NE 64TH ST
SILVER SPRINGS, FL 34488

Premises Location(s):

6191 NE 64TH ST, SILVER SPRINGS, FL 34488-1127

Coverage Limit: \$ 1,000,000

Coverages	Limit	Premium
Liability Base Premium	\$ 1,000,000	\$200.00
Surcharges & Discounts		Premium
Desired Coverage Limit		\$0.00
Increased Underlying Property Liability		\$0.00
Territory Factor (UIM)		\$0.00
Premises Only Credit		(\$59.00)
Swimming Pool/Spas		\$40.00
Minimum Limit Premium Adjustment		\$0.00
Managing General Agent Fee		\$25.00
Florida Insurance Guaranty Association Fee		\$3.62
TOTAL POLICY PREMIUM:		\$210.00

All Insureds:

Nelson, Claire

Policy Forms:

Amendment of Policy Provisions - Florida

ASI PUP FL SP 10 20

Premises Liability

ASI PUP 005 09 99

Auto Liability Exclusion - Florida

ASI PUP FL ALE 10 20

Public Or Livery Conveyance Exclusion - Florida

ASI PUP FL PCE 10 20

Personal Umbrella Liability Policy

DL 98 01 06 98

Additional Interest:

David L Pratt

President

Jana Bell

Agent

Policyholder: CLAIRES NELSON

Policy ID: FLU156993

Required Retained Limits**All Automobiles, Motorcycles, Motorhomes, Mopeds, and All Road Licensed Vehicles:****Required Retained Limits** (Does not apply for Premises Only Liability policies)

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL for policies with any drivers age 22-79

\$500,000 / \$500,000 / \$500,000 or \$500,000 CSL for policies with any drivers 21 and younger or 80 and older *

All Automobiles and Motorhomes Requesting UM Coverage:**Required Retained Limits**

UM: \$250,000 / \$500,000 / \$100,000 or \$300,000 CSL for policies with any drivers age 22-79

UM: \$500,000 / \$500,000 / \$500,000 or \$500,000 CSL for policies with any drivers 21 and younger or 80 and older

Comprehensive Personal Liability, Homeowners, or Farm Comprehensive Personal Liability:**Required Retained Limits**

\$300,000

Residential Rental Properties Covered Under the Dwelling Fire Policy for 1-4 Family Residences:**Required Retained Limits**

\$300,000

Personal Injury Coverage Endorsed to the Homeowners Policy (whenever available):**Required Retained Limits** (Does not apply for Premises Only Liability policies)

\$300,000

All Recreational Vehicles Including Golf Carts, Utility Vehicles, Trail Bikes or Other Vehicles Not Required to be Licensed:**Required Retained Limits** (Does not apply for Premises Only Liability policies)

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL

Watercraft:**Required Retained Limits** (Does not apply for Premises Only Liability policies)

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL

* Required Retained Limits are reduced to \$250,000/\$500,000/\$100,000 or \$300,000 CSL when the Underlying Automobile Surcharge is applied.

Detailed Schedule**Automobiles****Make****Model**

N/A

N/A

Motorcycles and Mopeds**Make****Model**

N/A

N/A

Watercraft**Make****Model****Length (ft)****MPH**

N/A

N/A

N/A

N/A

Golf Carts, Utility Vehicles or Recreational Vehicles**Make****Model**

N/A

N/A

Motorhomes**Make****Model**

N/A

N/A

OCALA UTILITY SERVICES
OCALA, FLORIDA

ORIGINAL SHEET NO. 20.0

Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this "Agreement") is entered into this 2nd day of February, 20 , by and between the Florida Municipal Power Agency, a governmental joint action agency created and existing under the laws of the State of Florida (hereinafter "FMPA"), the City of Ocala doing business as Ocala Utility Services, a body politic (hereinafter "OUS"), and Claire Nelson, a retail electric customer of OUS (hereinafter "Customer").

Section 1. Recitals

1.01. OUS and Customer have executed OUS' Standard Interconnection Agreement for a Customer-Owned Renewable Generation System (RGS) pursuant to which OUS has agreed to permit interconnection of Customer's renewable generation to OUS' electric system at Customer's presently-metered location, and Customer has agreed to deliver excess electric energy generated by Customer's Renewable Generation System to OUS' electric distribution system;

1.02. The City of Ocala and FMPA have entered into the All-Requirements Power Supply Contract, dated as of May 1, 1986, (hereinafter the "ARP Contract") pursuant to which the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OUS with all energy and capacity necessary to operate the OUS electric system, which limits OUS' ability to directly purchase excess energy from customer-owned renewable generation.

1.03. In order to promote the development of small customer-owned renewable generation by permitting OUS to allow its customers to interconnect with OUS' electric system and to allow OUS' electric customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OUS' electric customers interconnected to OUS' electric system.

NOW THEREFORE, for and in consideration of the mutual covenants and agreements set forth herein, the Parties covenant and agree as follows:

Section 2. Interconnection

2.01. Customer shall not begin parallel operations with the OUS electric distribution system until Customer has executed OUS' electric Standard Interconnection Agreement for Small Customer-Owned Renewable Generation and is in compliance with all terms and conditions

(Continued on Sheet No. 20.1)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.0)

ORIGINAL SHEET NO. 20.1

OUS requires that the customer install and operate the RGS in accordance with all applicable safety codes and standards. OUS shall establish and enforce terms and conditions of operation and disconnection of all interconnected customer-owned renewable generation as it relates to the effect of the RGS on OUS' electric distribution system.

Section 3. Metering

3.01 In accordance with the OUS' Standard Interconnection Agreement for Customer-Owned Renewable Generation, OUS shall install metering equipment at the point of delivery capable of recording two separate meter readings: (1) the flow of electricity from OUS to the Customer, and (2) the flow of excess electricity from the Customer to OUS. OUS shall take meter readings on the same cycle as the otherwise applicable rate schedule.

Section 4. Purchase of Excess Customer-Owned Renewable Generation

4.01. Customer-owned renewable generation shall be first used for Customer's own load and shall offset Customer's demand for OUS' electricity. All electric power and energy delivered by OUS to Customer shall be received and paid for by Customer to OUS pursuant to the terms, conditions and rates of the OUS otherwise applicable rate schedule.

4.02. Excess customer-owned renewable generation shall be delivered to the OUS Electric distribution system. For purposes of this Agreement, the term "excess customer-owned renewable generation" means any kWh of electrical energy produced by the customer-owned renewable generation system that is not consumed by Customer and is delivered to the OUS electric distribution system. FMPA agrees to purchase and receive, and Customer agrees to sell and deliver, all excess customer-owned renewable generation at the energy rate established by FMPA, which shall be calculated in accordance with Schedule A. Excess customer-owned renewable generation shall be purchased in the form of a credit on Customer's monthly energy consumption bill from OUS.

4.03. In the event that a given monthly credit for excess customer-owned renewable generation exceeds the total billed amount for Customer's consumption in any corresponding month, then the excess credit shall be applied to the subsequent month's bill. Excess energy credits produced pursuant to the preceding sentence shall accumulate and be used to offset Customer's energy consumption bill for a period of not more than twelve (12) months. At the end of each calendar year, any unused excess energy credits shall be paid by OUS to the Customer in accordance with the OUS Electric Net-Metering Service Rate Schedule.

(Continued on Sheet No. 20.2)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.1)

ORIGINAL SHEET NO. 20.2

4.04. FMPA and OUS shall not be required to purchase or receive excess customer-owned renewable generation, and may require Customer to interrupt or reduce production of customer-owned renewable generation, (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any OUS equipment or part of OUS' system; or (b) if either FMPA or OUS determine, in their sole judgment, that curtailment, interruption, or reduction is necessary because of emergencies, forced outages, force majeure, or compliance with any applicable electric code or standard.

4.05. Customer acknowledges that its provision of electricity to OUS hereunder is on a first-offered, first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OUS pursuant to the Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OUS customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OUS electric system.

Section 5. Renewable Energy Credits

5.01. Customer shall offer FMPA a first right of refusal before selling or granting to any third party the right to the Green Attributes associated with its customer-owned renewable generation that is interconnected to OUS electric distribution system. The term "Green Attributes" shall include any and all credits, certificates, benefits, environmental attributes, emissions reductions, offsets, and allowances, however entitled, attributable to the generation of electricity from the customer-owned-renewable generation and its displacement of conventional energy generation.

5.02. Any additional meter(s) installed to measure total renewable electricity generated by the Customer for the purposes of measuring Green Attributes, including and renewable energy certificates (or similarly titled credits for renewable energy generated), shall be installed at the expense of the Customer, unless determined otherwise during negotiations for the sale of the Customer's credits to FMPA.

Section 6. Term and Termination

6.01. This Agreement shall become effective upon execution by all Parties, and shall remain in effect thereafter on a month-to-month basis until terminated by any Party upon thirty (30) days written notice to all other Parties.

6.02. This Agreement shall terminate immediately and without notice upon: (a) termination of the electric distribution service by OUS or (b) failure by Customer to comply with any of the

(Continued on Sheet No. 20.3)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.2)

ORIGINAL SHEET NO. 20.3

terms and conditions of this Agreement or OUS' Standard Interconnection Agreement for Customer-Owned Renewable Generation.

Section 7. Miscellaneous Provisions

7.01. Assignment. It is understood and agreed that no party may transfer, sell, mortgage, pledge, hypothecate, convey, designate, or otherwise assign this Agreement, or any interest herein or any rights or obligations hereunder, in whole or in part, either voluntarily or by operation of law, (including, without limitation, by merger, consolidation, or otherwise), without the express written consent of the other parties (and any such attempt shall be void), which consent shall not be unreasonably withheld. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the parties and their respective successors and permitted assigns.

7.02 Amendment. It is understood and agreed that FMPA and OUS reserve the right, on no less than an annual basis, to change any of the terms and conditions, including pricing, in this Agreement on sixty (60) days advance written notice. FMPA and OUS may make such changes on an immediate basis in the event any applicable law, rule, regulation or court order requires them. In such event, FMPA and OUS will give Customer as much notice as reasonably possible under the circumstances.

7.03. Indemnification. To the fullest extent permitted by laws and regulations, and in return for adequate, separate consideration, Customer shall defend, indemnify, and hold harmless FMPA and OUS, their officers, directors, agents, guests, invitees, and employees from and against all claims, damages, losses to persons or property, whether direct, indirect, or consequential (including but not limited to fees and charges of attorneys, and other professionals and court and arbitration costs) arising out of, resulting from, occasioned by, or otherwise caused by the operation or misoperation of the customer-owned renewable generation, or the acts or omissions of any other person or organization directly or indirectly employed by the Customer to install, furnish, repair, replace or maintain the customer-owned renewable generation system, or anyone for whose acts any of them may be liable.

7.04. Governing Law. The validity and interpretation of this Agreement and the rights and obligations of the parties shall be governed and construed in accordance with the laws of the State of Florida without regard for any conflicts of law provisions that might cause the law of other jurisdictions to apply. All controversies, claims, or disputes arising out of or related to this Agreement or any agreement, instrument, or document contemplated hereby, shall be brought exclusively in the County or Circuit Court for Marion County, Florida, or the United States District Court sitting in Marion County, Florida, as appropriate.

(Continued on Sheet No. 20.4)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.3)

ORIGINAL SHEET NO. 20.4

7.05. Enforcement of Agreement. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable attorney's fees and costs for trial, alternative dispute resolution, and/or appellate proceedings.

7.06. Severability. To the extent any provision of this Agreement is prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.

7.07. Third Party Beneficiaries and Sovereign Immunity. This Agreement is solely for the benefit of FMPA, OUS, and Customer and no right nor shall any cause of action accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than FMPA, OUS, or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon FMPA, OUS, and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by either FMPA or OUS of the sovereign immunity applicable to either or both of them as established by Florida Statutes, 768.28.

IN WITNESS WHEREOF, Customer and OUS have executed this Agreement the day and year first above written.

City of Ocala Utility Services

By: Janice Mitchell
Title: CFO
Date: 11/29/2023

Florida Municipal Power Agency

By: VP of IT/OT and System Ops
Title: VP of IT/OT and System Ops
Date: 11/29/2023

Customer

By: Claire Nelson **Date:** February 4, 2023
(Print Name)
Claire Nelson
(Signature)

Customer's City of Ocala Utility Services Account Number: 528469-236408

(Continued on Sheet No. 20.5)

**OCALA ELECTRIC UTILITY
OCALA, FLORIDA**
(Continued from Sheet No. 20.4)

**FIRST REVISED SHEET NO. 20.5
CANCELS ORIGINAL SHEET NO. 20.5**

IN WITNESS WHEREOF, Customer and OEU have executed this Agreement the day and year first above written

City of Ocala Electric Utility

By: DocuSigned by:
Janice Mitchell
Title: CFO
Date: 11/29/2023

Florida Municipal Power Agency

By: DocuSigned by:
[Signature]
Title: VP of IT/OT and System Ops
Date: 11/29/2023

Customer

By: CLARA NELSON Date: 03-28-2023
(Print Name)
[Signature]
(Signature)

Customer's City of Ocala Electric Utility Account Number: 528469-236408

Approved as to form and legality:

DocuSigned by:
William E. Sexton
William E. Sexton
City Attorney

(Continued on Sheet No. 20.6)

Issued by: Michael Poucher, P.E.

Effective: October 1, 2019

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.4)

ORIGINAL SHEET NO. 20.5

Approved as to form and legality:

DocuSigned by:

William E. Sexton

William E. Sexton

City Attorney

(Continued on Sheet No. 20.6)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 20.5)

ORIGINAL SHEET NO. 20.6

**Tri-Party Net-Metering Power Purchase Agreement
Schedule A**

I. All-Requirements Project Calculation of Excess Customer-Owned Renewable Generation Credit

- a) FMPA shall pay OUS for the excess kWh energy delivered by customer-owned renewable generation to OUS' electric system. Every month, OUS shall determine the total kWh of customer-owned renewable generation that is delivered to OUS' electric system, and shall send the information to FMPA as soon as it becomes available, but no later than the second working day of every month. FMPA will then provide a monthly payment to OUS in the form of a credit on the ARP power bill for the excess energy delivered to the distribution grid. The ARP Renewable Generation Credit will be calculated as follows:

ARP Renewable Generation Credit = Quarterly Energy Rate * Monthly kWh of excess customer-owned renewable generation

Quarterly Energy Rate = 3 month average of ARP energy rate. FMPA will update the Quarterly Energy Rate every April 1, July 1, October 1 and January 1.

- b) As part of the monthly bill adjustment, FMPA will also increase OUS' kWh billing amount by the same kWh amount as the customer-owned renewable generation purchased by FMPA. This adjustment is necessary because excess customer generation that flows onto OUS' electric system has been purchased by FMPA, but will remain on OUS' electric system and be used by OUS to meet its other customers' electric needs. As a result, OUS' monthly ARP bill will be adjusted accordingly to reflect FMPA's subsequent sale of this energy to OUS.

II. Payment for Unused Excess Energy Credits

- a) Monthly excess energy credits shall accumulate and be used to offset the Customer's following month energy consumption bill for a period of not more than twelve (12) months.
- b) At the end of each calendar year, OUS shall pay the Customer for any unused excess energy credits in accordance with the OUS Electric Net-Metering Service Rate Schedule.

OCALA UTILITY SERVICES
OCALA, FLORIDA

ORIGINAL SHEET NO. 22.0

Tier 2
Standard Interconnection Agreement
Customer-Owned Renewable Generation System

This **Agreement** is made and entered into this 2nd day of February, 2023, by and between Claire Nelson, (hereinafter called "**Customer**"), located at 6191 NE 64th St in Silver Springs, Florida, and the City of Ocala doing business as Ocala Utility Services (hereafter called "**OUS**"), a body politic. Customer and OUS shall collectively be called the "**Parties**". The physical location/premise where the inter-connection is taking place: 6191 NE 64th St Silver Springs, FL 34488.

WITNESSETH

Whereas, a Tier 2 Renewable Generation System (RGS) is an electric generating system that uses one or of more of the following fuels or energy sources: hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or hydroelectric power as defined in Section 377.803, Florida Statutes, rated at more than 10 kilowatts (10 kW) but not greater than 100 kilowatts (100 kW) alternating current (AC) power output and is primarily intended to offset part or all of the customer's current electric requirements; and

Whereas, OUS operates an electric system serving parts of the City of Ocala and Marion County; and

Whereas, Customer has made a written Application to OUS, a copy being attached hereto, to interconnect its RGS with OUS' electrical supply grid at the location indentified above; and

Whereas, the City of Ocala and the Florida Municipal Power Agency (hereinafter called "FMPA") have entered into the All-Requirements Power Supply Contract pursuant to which OUS has agreed to purchase and receive, and FMPA has agreed to sell and supply OUS with all energy and capacity necessary to operate OUS's electric system, which limits OUS' ability to directly purchase excess energy from customer-owned renewable generation; and

Whereas, in order to promote the development of small customer-owned renewable generation by permitting OUS to allow its customers to interconnect with OUS's electric system and to allow OUS customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OUS customers interconnected to OUS' electric system; and

Whereas, OUS desires to provide interconnection of a RGS under conditions which will insure the safety of OUS customers and employees, reliability and integrity of its distribution system;

(Continued on Sheet No. 22.1)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.0)

ORIGINAL SHEET NO. 22.1

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements herein set forth, the parties hereto covenant and agree as follows:

1. The Customer shall be required to enter into a Tri-Party Net-Metering Purchase Power Agreement with FMPA and OUS.
2. "Gross power rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with OUS distribution facilities. For inverter-based systems, the GPR shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.
3. This agreement is strictly limited to cover a Tier 2 RGS as defined above. It is the Customer's responsibility to notify OUS of any change to the GPR of the RGS by submitting a new application for interconnection specifying the modifications at least 30 days prior to making the modifications. In no case should modifications to the RGS be made such that the GPR increases above the 100 kilowatts (100 kW) limit.
4. The RGS GPR must not exceed 90 percent (90%) of the Customer's OUS distribution service rating at the Customer's location. If the GPR does exceed the 90 percent (90%) limit, the Customer shall be responsible to pay the cost of upgrades to the distribution facilities required to accommodate the GPR capacity and ensure the 90 percent (90%) threshold is not breached.
5. The Customer shall be required to pay a non-refundable application fee of \$50 for the review and processing of the application.
6. The Customer shall fully comply with OUS' Rules and Regulations and Electric Service Specifications as those documents may be amended or revised by OUS from time to time.
7. The Customer certifies that its installation, its operation and its maintenance shall be in compliance with the following standards:
 - a. IEEE-1547 (2003) Standard for Interconnecting Distributed Resources with Electric Power System;
 - b. IEEE-1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnection Distributed Resources with Electric Power Systems;
 - c. UL-1741 (2005) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed *Energy Resources*.
 - d. The National Electric Code, state and/or local building codes, mechanical codes and/or electrical codes;
 - e. The manufacturer's installation, operation and maintenance instructions.

(Continued on Sheet No. 22.2)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.1)

ORIGINAL SHEET NO. 22.2

8. The Customer is not precluded from contracting for the lease, operation or maintenance of the RGS with a third party. Such lease may not provide terms or conditions that provide for any payments under the agreement to any way indicate or reflect the purchase of energy produced by the RGS. Customer shall not enter into any lease agreement that results in the retail purchase of electricity; or the retail sale of electricity from the customer-owned renewable generation. Notwithstanding this restriction, in the event that Customer is determined to have engaged in the retail purchase of electricity from a party other than OUS, then Customer shall be in breach of this Agreement and may be subject to the jurisdiction of the Florida Public Service Commission and to fines/penalties.

9. The Customer shall provide a copy of the manufacturer's installation, operation and maintenance instructions to OUS. If the RGS is leased to the Customer by a third party, or if the operation or maintenance of the RGS is to be performed by a third party, the lease and/or maintenance agreements and any pertinent documents related to these agreements shall be provided to OUS.

10. Prior to commencing parallel operation with OUS' electric system, Customer shall have the RGS inspected and approved by the appropriate code authorities having jurisdiction. Customer shall provide a copy of this inspection and approval to OUS.

11. The Customer agrees to permit OUS, if it should so choose, to inspect the RGS and its component equipment and the documents necessary to ensure compliance with this Agreement both before and after the RGS goes into service and to witness the initial testing of the RGS equipment and protective apparatus. OUS will provide Customer with as much notice as reasonably possible, either in writing, email, facsimile or by phone as to when OUS may conduct inspections and or document review. Upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, Customer agrees to provide OUS access to the Customer's premises for any purpose in connection with the performance of the obligations required by this Agreement or, if necessary, to meet OUS' legal obligation to provide service to its customers. At least ten (10) business days prior to initially placing the customer-owned renewable generation system in service, Customer shall provide written notification to OUS advising OUS of the date and time at which Customer intends to place the system in service, and OUS shall have the right to have personnel present on the in-service date in order to ensure compliance with the requirements of this Agreement.

12. Customer certifies that the RGS equipment includes a utility-interactive inverter or interconnection system equipment that ceases to interconnect with the OUS system upon a loss of OUS power. The inverter shall be considered certified for interconnected operation if it has been submitted by a manufacturer to a nationally recognized testing laboratory (NRTL) to comply with UL 1741. The NRTL shall be approved by the Occupational Safety & Health Administration (OSHA).

(Continued on Sheet No. 22.3)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.2)

ORIGINAL SHEET NO. 22.3

13. If Customer adds another RGS which (i) utilizes the same utility-interactive inverter for both systems; or (ii) utilizes a separate utility-interactive inverter for each system, then Customer shall provide OUS with sixty (60) days advance written notice of the addition.

14. The Customer shall not energize the OUS system when OUS' system is deenergized. The Customer shall cease to energize the OUS system during a faulted condition on the OUS system and/or upon any notice from OUS that the deenergizing of Customer's RGS equipment is necessary. The Customer shall cease to energize the OUS system prior to automatic or non-automatic reclosing of OUS' protective devices. There shall be no intentional islanding, as described in IEEE 1547, between the Customer's and OUS's systems.

15. The Customer is responsible for the protection of its generation equipment, inverters, protection devices, and other system components from damage from the normal and abnormal operations that occur on OUS's electric system in delivering and restoring system power. Customer agrees that any damage to any of its property, including, without limitation, all components and related accessories of its RGS system, due to the normal or abnormal operation of OUS' electric system, is at Customer's sole risk and expense. Customer is also responsible for ensuring that the customer-owned renewable generation equipment is inspected, maintained, and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.

16. The Customer must install, at their expense, a manual disconnect switch of the visible load break type to provide a separation point between the AC power output of the customer-owned renewable generation system and any Customer wiring connected to OUS' electric system such that back feed from the customer-owned renewable generation system to OUS' electric system cannot occur when the switch is in the open position. The manual disconnect switch shall be mounted separate from the meter socket on an exterior surface adjacent to the meter. The switch shall be readily accessible to OUS and capable of being locked in the open position with an OUS padlock. When locked and tagged in the open position by OUS, this switch will be under the control of OUS.

17. Subject to an approved inspection, including installation of acceptable disconnect switch, this Agreement shall be executed by OUS within thirty (30) calendar days of receipt of a completed application. Customer must execute this Agreement and return it to OUS at least thirty (30) calendar days prior to beginning parallel operations with OUS's electric system, subject to the requirements of Sections 18 and 19, below, and within one (1) year after OUS executes this Agreement.

(Continued on Sheet No. 22.4)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.3)

ORIGINAL SHEET NO. 22.4

18. Once OUS has received Customer's written documentation that the requirements of this Agreement have been met, all agreements and documentation have been received and the correct operation of the manual switch has been demonstrated to an OUS representative, OUS will, within fifteen (15) business days, send written notice that parallel operation of the RGS may commence.

19. OUS requires the Customer to maintain general liability insurance for personal injury and property damage in the amount of not less than one million dollars (\$1,000,000.00).

20. OUS will furnish, install, own and maintain metering equipment capable of measuring the flow of kilowatt-hours (kWh) of energy. The Customer's service associated with the RGS will be metered to measure the energy delivered by OUS to Customer, and also measure the energy delivered by Customer to OUS. Customer agrees to provide safe and reasonable access to the premises for installation, maintenance and reading of the metering and related equipment. The Customer shall not be responsible for the cost of the installation and maintenance of the metering equipment necessary to measure the energy delivered by the Customer to OUS.

21. The Customer shall be solely responsible for all legal and financial obligations arising from the design, construction, installation, operation, maintenance and ownership of the RGS.

22. The Customer must obtain all permits, inspections and approvals required by applicable jurisdictions with respect to the generating system and must use a licensed, bonded and insured contractor to design and install the generating system. The Customer agrees to provide OUS with a copy of the local building code official inspection and certification of installation. The certification shall reflect that the local code official has inspected and certified that the installation was permitted, has been approved, and has met all electrical and mechanical qualifications.

23. In no event shall any statement, representation, or lack thereof, either express or implied, by OUS, relieve the Customer of exclusive responsibility for the Customer's system. Specifically, any OUS inspection of the RGS shall not be construed as confirming or endorsing the system design or its operating or maintenance procedures or as a warranty or guarantee as to the safety, reliability, or durability of the RGS. OUS's inspection, acceptance, or its failure to inspect shall not be deemed an endorsement of any RGS equipment or procedure. Further, as set forth in Sections 15 and 26 of this Agreement, Customer shall remain solely responsible for any and all losses, claims, damages and/or expenses related in any way to the operation or misoperation of its RGS equipment.

24. Notwithstanding any other provision of this Interconnection Agreement, OUS, at its sole and absolute discretion, may isolate the Customer's system from the distribution grid by whatever means necessary, without prior notice to the Customer. To the extent practical, however, prior

(Continued on Sheet No. 22.5)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.4)

ORIGINAL SHEET NO. 22.5

notice shall be given. The system will be reconnected as soon as practical once the conditions causing the disconnection cease to exist. OUS shall have no obligation to compensate the Customer for any loss of energy during any and all periods when Customer's RGS is operating at reduced capacity or is disconnected from OUS' electrical distribution system pursuant to this Interconnection Agreement. Typical conditions which may require the disconnection of the Customer's system include, but are not limited to, the following:

- a. OUS utility system emergencies, forced outages, uncontrollable forces or compliance with prudent electric utility practice.
- b. When necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any OUS equipment, any part of OUS' electrical distribution system or Customer's generating system.
- c. Hazardous conditions existing on OUS's utility system due to the operation of the Customer's generation or protective equipment as determined by OUS.
- d. Adverse electrical effects (such as power quality problems) on the electrical equipment of OUS' other electric consumers caused by the Customer's generation as determined by OUS.
- e. When Customer is in breach of any of its obligations under this Interconnection Agreement or any other applicable policies and procedures of OUS.
- f. When the Customer fails to make any payments due to OUS by the due date thereof.

25. Upon termination of services pursuant to this Agreement, OUS shall open and padlock the manual disconnect switch and remove any additional metering equipment related to this Agreement. At the Customer's expense, within thirty (30) working days following the termination, the Customer shall permanently isolate the RGS and any associated equipment from OUS' electric supply system, notify OUS that the isolation is complete, and coordinate with OUS for return of OUS' lock.

26. To the fullest extent permitted by law, and in return for adequate, separate consideration, Customer shall indemnify, defend and hold harmless OUS, any and all of their members of its governing bodies, and its officers, agents, and employees for, from and against any and all claims, demands, suits, costs of defense, attorneys' fees, witness fees of any type, losses, damages, expenses, and liabilities, whether direct, indirect or consequential, related to, arising from, or in any way connected with:

- a. Customer's design, construction, installation, inspection, maintenance, testing or operation of Customer's generating system or equipment used in connection with this Interconnection Agreement, irrespective of any fault on the part of OUS.
- b. The interconnection of Customer's generating system with, and delivery of energy from the generating system to, OUS' electrical distribution system, irrespective of any fault on the part of OUS.

(Continued on Sheet No. 22.6)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.5)

ORIGINAL SHEET NO. 22.6

- c. The performance or nonperformance of Customer's obligations under this Interconnection Agreement or the obligations of any and all of the members of Customer's governing bodies and its officers, contractors (and any subcontractor or material supplier thereof), agents and employees.

Customer's obligations under this Section shall survive the termination of this Interconnection Agreement.

27. Customer shall not have the right to assign its benefits or obligations under this Agreement without OUS' prior written consent and such consent shall not be unreasonably withheld. If there is a change in ownership of the RGS, Customer shall provide written notice to OUS at least thirty (30) days prior to the change in ownership. The new owner will be required to assume, in writing, the Customer's rights and duties under this Agreement, or execute a new Standard Interconnection Agreement. The new owner shall not be permitted to net meter or begin parallel operations until the new owner assumes this Agreement or executes a new Agreement.

28. This Agreement supersedes all previous agreements and representations either written or verbal heretofore made between OUS and Customer with respect to matters herein contained. This Agreement, when duly executed, constitutes the only Agreement between parties hereto relative to the matters herein described. This Agreement shall continue in effect from year to year until either party gives sixty (60) days notice of its intent to terminate this Agreement.

29. This Agreement shall be governed by and construed and enforced in accordance with the laws, rules and regulations of the State of Florida and OUS's tariff as it may be modified, changed, or amended from time to time, including any amendments modification or changes to OUS' Net-Metering Service Rate Schedule, the schedule applicable to this Agreement. The Customer and OUS agree that any action, suit, or proceeding arising out of or relating to this Interconnection Agreement shall be initiated and prosecuted in the state court of competent jurisdiction located in Marion County, Florida, and OUS and the Customer irrevocably submit to the jurisdiction and venue of such court. To the fullest extent permitted by law, each Party hereby irrevocably waives any and all rights to a trial by jury and covenants and agrees that it will not request a trial by jury with respect to any legal proceeding arising out of or relating to this Interconnection Agreement.

None of the provisions of this Interconnection Agreement shall be considered waived by either Party except when such waiver is given in writing. No waiver by either Party of any one or more defaults in the performance of the provisions of this Interconnection Agreement shall operate or be construed as a waiver of any other existing or future default or defaults. If any one or more of the provisions of this Interconnection Agreement or the applicability of any provision to a specific situation is held invalid or unenforceable, the provision shall be modified to the minimum extent necessary to make it or its application valid and enforceable, and the validity

(Continued on Sheet No. 22.7)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.6)

ORIGINAL SHEET NO. 22.7

and enforceability of all other provisions of this Interconnection and all other applications of such provisions shall not be affected by any such invalidity or unenforceability. This Interconnection Agreement does not govern the terms and conditions for the delivery of power and energy to non-generating retail customers of OUS' electrical distribution system.

30. This Agreement incorporates by reference the terms of the tariff filed with the Florida Public Service Commission by OUS, including OUS' Net-Metering Service Rate Schedule, and associated technical terms and abbreviations, general rules and regulations and standard electric service requirements (as may be applicable) are incorporated by reference, as amended from time to time. To the extent of any conflict between this Agreement and such tariff, the tariff shall control.

31. OUS and Customer recognize that the Florida Statutes and/or the Florida Public Service Commission Rules, including those directly addressing the subject of this Agreement, may be amended from time to time. In the event that such statutes and/or rules are amended that affect the terms and conditions of this Agreement, OUS and Customer agree to supersede and replace this Agreement with a new Interconnection Agreement which complies with the amended statutes/rules.

32. Customer acknowledges that its provision of electricity to OUS hereunder is on a first-offered first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OUS pursuant to the OUS' Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OUS customers, exceeds 2.5 percent (%) of the aggregate customer peak demand on OUS's electric system.

33. This Agreement is solely for the benefit of OUS and Customer and no right nor any cause of action shall accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than OUS or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon OUS and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by OUS of the sovereign immunity applicable to OUS as established by Florida Statutes, 768.28.

(Continued on Sheet No. 22.8)

OCALA UTILITY SERVICES
OCALA, FLORIDA
(Continued from Sheet No. 22.7)

ORIGINAL SHEET NO. 22.8

IN WITNESS WHEREOF, Customer and OUS have executed this Agreement the day and year first above written.

OUS:

By: DocuSigned by:
Janice Mitchell
5519894385604E1...

Title: CFO

Date: 11/29/2023

Customer:

By: Claire Nelson

(Print Name)

Claire Nelson

840bca9fb9452535900c07ebcdcacb98324f39b0e0e

(Signature)

Date: February 4, 2023

OUS Account Number:

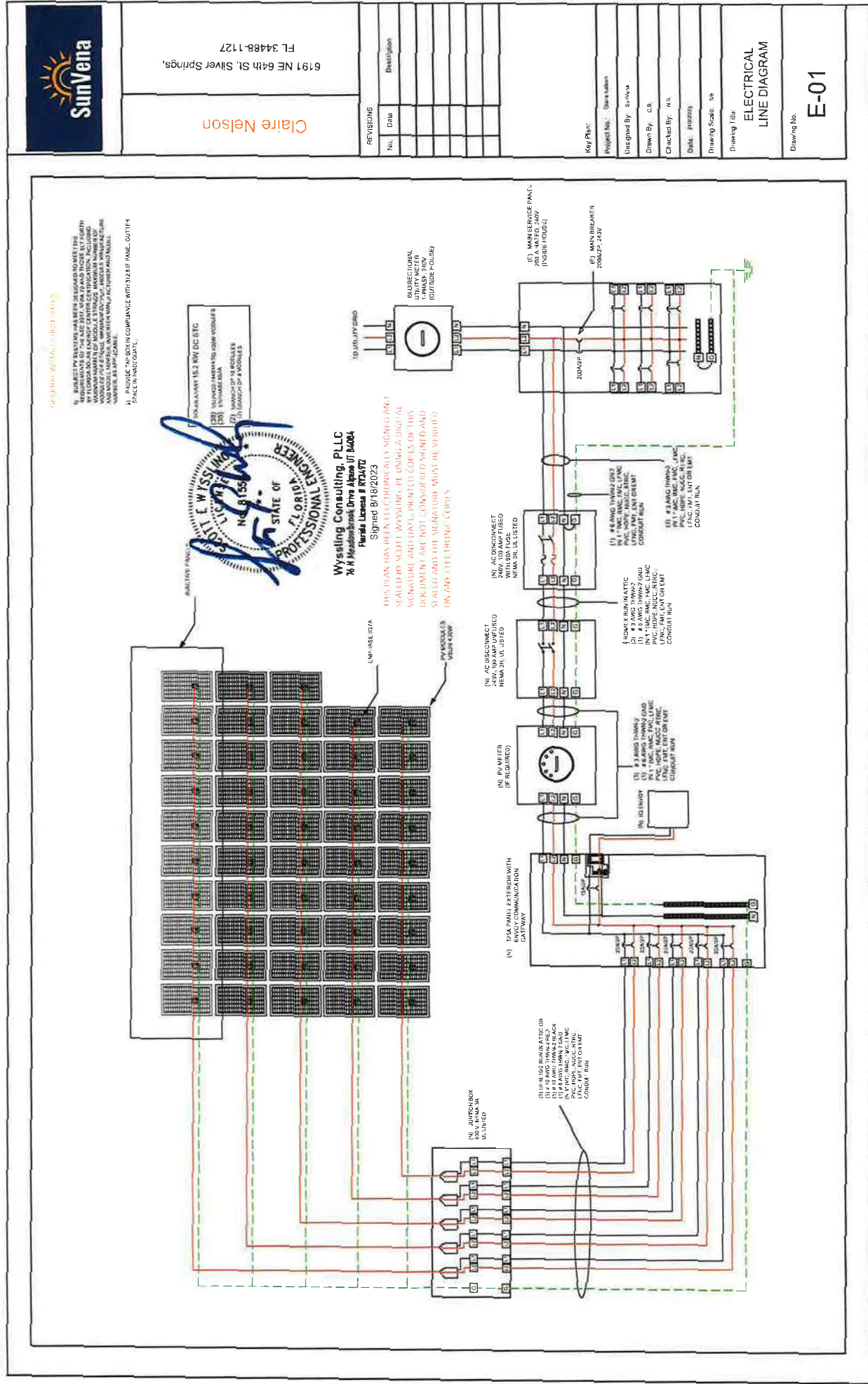
528469-236408

Approved as to form and legality:

DocuSigned by:
William E. Sexton
80190F54E85E2A9

William E. Sexton

City Attorney





Scott E. Wyssling, PE
Coleman D. Larsen, SE, PE
Gregory T. Elvestad, PE

76 North Meadowbrook Drive
Alpine, UT 84004
office (201) 874-3483
swyssling@wysslingconsulting.com

August 18, 2023
revised October 4, 2023

Sunvena Solar LLC
4005 Church Street
Sanford, FL 32771

Scott Wyssling, PE

Digitally signed by Scott Wyssling, PE
DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting, OU=Engineering,
CN="Scott Wyssling, PE", E=swyssling@wysslingconsulting.com
Reason: I am the author of this document
Location: your signing location here
Date: 2023.10.04 15:14:26-06'00'
Foxit PDF Editor Version: 11.1.0

Re: Engineering Services
Nelson Residence
6191 North East 64th Street, Silver Springs, FL
15.200 kW System

To Whom It May Concern:

We have received information regarding solar panel installation on the roof of the above referenced structure. Our evaluation of the structure is to verify the existing capacity of the roof system and its ability to support the additional loads imposed by the proposed solar system.

A. Site Assessment Information

1. Site visit documentation identifying attic information including size and spacing of framing for the existing roof structure.
2. Design drawings of the proposed system including a site plan, roof plan and connection details for the solar panels. This information will be utilized for approval and construction of the proposed system.

B. Description of Structure:

Roof Framing: Assumed prefabricated wood trusses at 24" on center. All truss members are constructed of 2x4 dimensional lumber.
Roof Material: Composite Asphalt Shingles
Roof Slope: 31.1 & 30.9 degrees
Attic Access: Inaccessible
Foundation: Permanent

C. Loading Criteria Used

- **Dead Load**
 - Existing Roofing and framing = 7 psf
 - New Solar Panels and Racking = 3 psf
 - TOTAL = 10 PSF
- **Live Load** = 20 psf (reducible) – 0 psf at locations of solar panels
- **Ground Snow Load** = 0 psf
- **Wind Load** based on ASCE 7-16
 - Ultimate Wind Speed = 140 mph (based on Risk Category II)
 - Exposure Category C

Analysis performed of the existing roof structure utilizing the above loading criteria is in accordance with the FBC 2020 (7th Edition) including provisions allowing existing structures to not require strengthening if the new loads do not exceed existing design loads by 105% for gravity elements and 110% for seismic elements. This analysis indicates that the existing framing will support the additional panel loading without damage, if installed correctly.

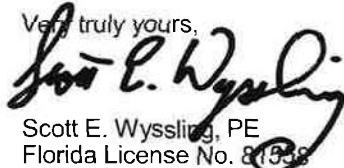
D. Solar Panel Anchorage

1. The solar panels shall be mounted in accordance with the most recent EcoFasten installation manual. If during solar panel installation, the roof framing members appear unstable or deflect non-uniformly, our office should be notified before proceeding with the installation.
2. The maximum allowable withdrawal force for a #12 lag screw is 211 lbs per inch of penetration as identified in the National Design Standards (NDS) of timber construction specifications. Based on (2) screws with a minimum penetration depth of 2", the allowable capacity per connection is greater than the design withdrawal force (demand). Considering the variable factors for the existing roof framing and installation tolerances, the connection using (2) #12 lag screw with a minimum of 2" embedment will be adequate and will include a sufficient factor of safety.
3. Considering the wind speed, roof slopes, size and spacing of framing members, and condition of the roof, the panel supports shall be placed no greater than 48" on center.

Based on the above evaluation, this office certifies that with the racking and mounting specified, the existing roof system will adequately support the additional loading imposed by the solar system. This evaluation is in conformance with the FBC 2020 (7th Edition), current industry standards, and is based on information supplied to us at the time of this report.

Should you have any questions regarding the above or if you require further information do not hesitate to contact me.

Very truly yours,


Scott E. Wyssling, PE
Florida License No. 81558
COA #RY34912



Wyssling Consulting, PLLC
76 N Meadowbrook Drive Alpine UT 84004
Florida License # RY34912
Signed 10-04-23

THIS PLAN HAS BEEN ELECTRONICALLY SIGNED AND
SEALED BY SCOTT WYSSLING, PE USING A DIGITAL
SIGNATURE AND DATE. PRINTED COPIES OF THIS
DOCUMENT ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES

Claire Nelson

[illegible]

Project No.:	0400 Nelson
Designed By:	S. Molina
Drawn By:	CA
Checked By:	MS
Date:	10/02/2020
Drawing Scale:	3/8"

Table:
ELECTRICAL
WIRING
DIAGRAM

E-01

21. PROVIDE TAB BOX IN COMPLIANCE WITH 3-3.2 IF PANEL GUTTER SPACE IN W/ROQUATE.

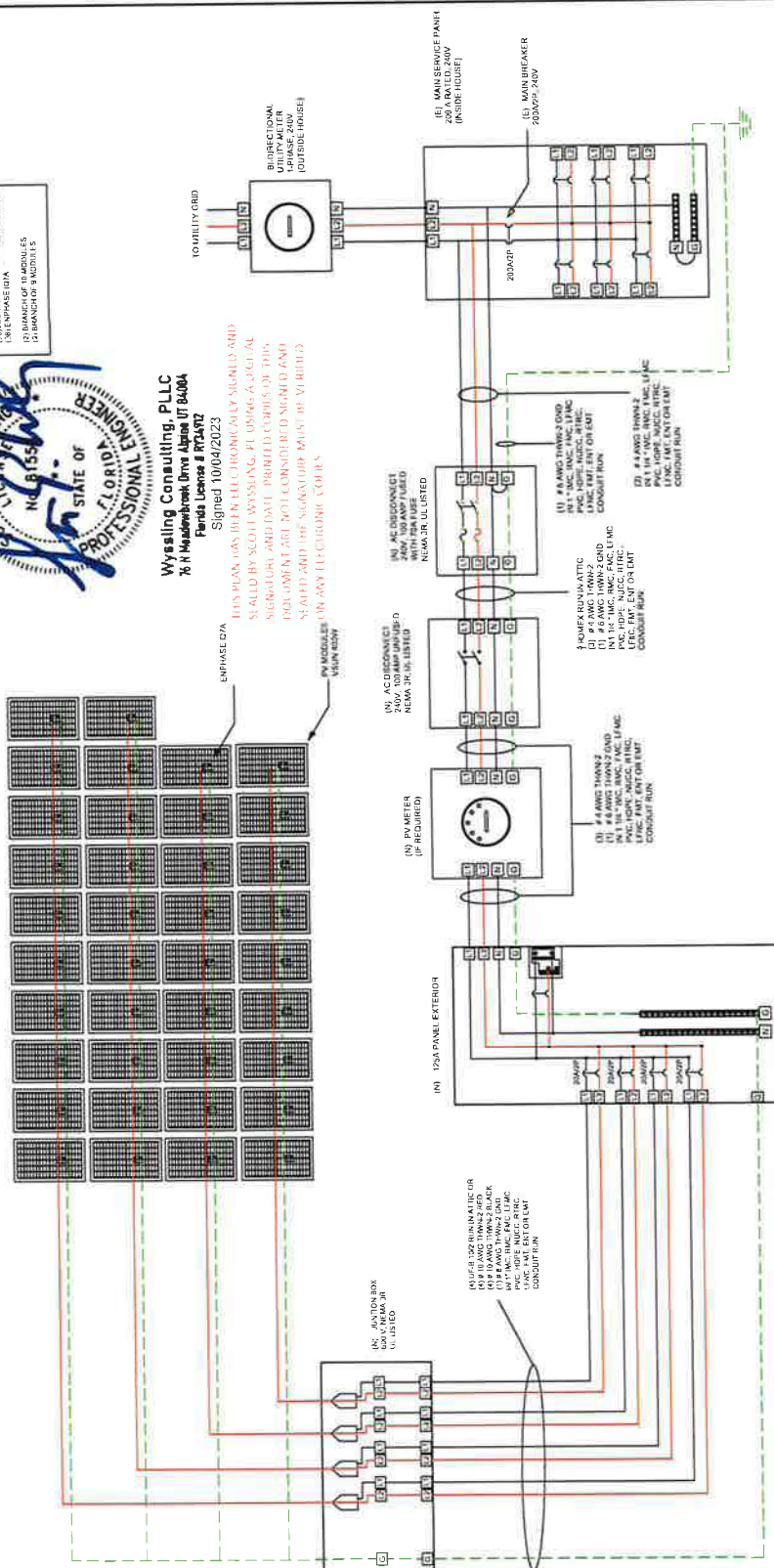
(1) 0.6 MW
13.2 kW AC

(2) BRANCH OF 18 MODULES
(3) BRANCH OF 9 MODULES

Wyssling Consulting, PLLC
76 N Meadowbrook Drive Alpine UT 84004
Florida License # RT34912

Signed 10/04/2023

27A





ELECTRICAL CALCULATIONS



Wyssling Consulting, PLLC
76 N. McAndrews Drive Alpine, UT 84004

THIS PLAYERS BEEN ELECTRONICALLY SIGNED AND
 SIGNED BY SCOTT WYSS INC. PLEASE A DIGITAL
 SIGNATURE AND DATE. PRINTED COPIES OF THIS
 DOCUMENT ARE NOT CONSIDERED SIGNED AND
 SIGNED AND THE SIGNATURE MUST BE VERIFIED
 ON ANY ELECTRONIC COPIES

Signed 10/04/2023

Florida License # 7034972

NO IN THE NEIGHBORHOOD UNIT'S AGENTS OF 10/04/2023

DESCRIPTION	# OF IV MODULES	KW
CIRCUIT #1	10	4.00
CIRCUIT #2	10	4.00
CIRCUIT #3	9	3.60
CIRCUIT #4	9	3.60
CIRCUIT #5		
CIRCUIT #6		
TOTAL ARRAY (KW) DC	38	15.20
TOTAL ARRAY (KW) AC	38	13.22
SYSTEM VOLTAGE	240V L-L - PHASE	

DESIGN TEMPERATURE	
MIN. AMBIENT TEMPERATURE °F	34
MAX. AMBIENT TEMPERATURE °F	117
W. TEMPERATURE DEGRADE FACTOR NRC 310.10.2(1)(a)	0.96

IMPACT CALCULATION

CIRCUIT #	MAX AMPS	1.25 X MAX AMP	AWG	75°C AMPACITY	AMBIENT TEMP	TEMP DERATE	CONDUIT FILL	*FILL DERATE	DERATE IMPACTY
1	14.50	18.13	#10	35	95	0.96	6	0.8	23.60
2	14.50	18.13	#10	35	95	0.96	6	0.8	21.24
3	13.05	16.31	#10	35	95	0.96	6	0.8	21.24
4	13.05	16.31	#10	35	95	0.96	6	0.8	
5									
6									
AC COMBINER PANEL	55.10	68.88	#4	85	95	0.96	3	1	71.74

* CONDUIT FILL DENSITY FACTOR NEC 310.15(B)(3)(a)	0.8-1
---	-------

COPY OVER CURRENT PROTECTION

AMPACITY	SELECTED OCPD
750	70

MAX VOLTAGE DROP CALCULATION

CIRCUIT #	AWG	CIRCULAR MILLS	Current (A)	Voltage (V)	MAX LENGTH (ft)
1	#10	10383	14.50	240	83
2	#10	10383	14.50	240	83
3	#10	10383	13.05	240	93
4	#10	10383	13.05	240	93
5					
6	#4	41740	55.10	240	88

ELECTRICAL NOTES

- [illegible]

MODULE SPECIFICATION	
INPUT Fz	V5UN000-144A
PEAK POWER	602 W
RATED VOLTAGE	41.00 V
RATED CURRENT	9.76 A
INPUT VOLTAGE RANGE (V _{IN})	49.30 V
SHORT-CIRCUIT CURRENT (I _{SC})	10.77 A
INVERTER SPECIFICATIONS	
MANUFACTURER	ENPHASE
MODEL NO.	107A
MAXIMUM INPUT VOLTAGE	58 V
MAXIMUM POWER	345 VA
NOMINAL AC OUTPUT VOLTAGE	246 V
NOMINAL AC OUTPUT CURRENT	1.45 A

INVERTER SPECIFICATIONS	
MANUFACTURER	EPHASE
MODEL NO.	NOVA
MAX DC INPUT VOLTAGE	58 V
MAX OUTPUT POWER	349 VA
MINIMUM AC OUTPUT VOLTAGE	24C V
MINIMUM AC OUTPUT CURRENT	1.45 A

[illegible]

Key Plan

Product No.: 0400-0000

Designed By: Systems

Drawn By: 2A

Checked By: N.S.

Date: 11/20/2023

Division Scale: 51F

Overview Table

WIR

CALCUL

Drawdown Mtd:

CL

1

1



VSUN405-108M-BB

405W

Highest power output

20.75%

Module efficiency

12years

Material & Workmanship warranty

25years

Linear power output warranty



MBB technology with Circular Ribbon

Higher output power

Half-cell Technology

Positive tolerance offer

VSUN, a BNEF Tier-1 PV module manufacturer invested by Fuji Solar, has been committed to providing greener, cleaner and more intelligent renewable energy solutions. VSUN is dedicated to bringing reliable, customized and high-efficient products into various markets and customers worldwide



VSUN405-108M-BB VSUN400-108M-BB
VSUN395-108M-BB VSUN390-108M-BB

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN405-108M-BB	VSUN400-108M-BB	VSUN395-108M-BB	VSUN390-108M-BB
Maximum Power	405 W	400 W	395 W	390 W
Open Circuit Voltage	37.36 V	37.2 V	37.03 V	36.8 V
Short Circuit Current	11.18 A	11.14 A	11.09 A	11.05 A
Maximum Power Voltage	31.7 V	31.7 V	31.7 V	31.7 V
Maximum Power Current	12.75 A	12.62 A	12.47 A	12.46 A
Module Efficiency	20.75%	20.68%	20.62%	20.59%

Standard Test Conditions (STC) irradiance 1000 W/m², AM 1.5, module temperature 25°C. Power Tolerance: ±1%. Power & Voltage 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 at Normal Operating Cell Temperature(NOCt)

Module Type	VSUN405-108M-BB	VSUN400-108M-BB	VSUN395-108M-BB	VSUN390-108M-BB
Maximum Power	392.1 W	386.4 W	381.7 W	377.3 W
Open Circuit Voltage	36.7 V	36.5 V	36.3 V	36.1 V
Short Circuit Current	11.14 A	11.11 A	11.05 A	11.01 A
Maximum Power Voltage	31.6 V	31.6 V	31.6 V	31.6 V
Maximum Power Current	12.71 A	12.59 A	12.45 A	12.44 A
Normal Operating Cell Temperature (NOCT)	45.0°C	45.0°C	45.0°C	45.0°C

Maximum Ratings

NOCT	45.0°C
Voltage Temperature Coefficient	-0.27%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.12%/°C

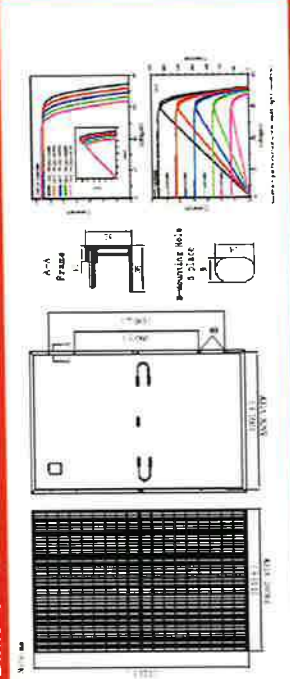
Material Characteristics

Cell	Monocrystalline Silicon
Weight	21.5 kg
Frame	Black anodized aluminum profile
Front Glass	3.2 mm tempered safety glass, 12 mm
Backsheet	EVA (ethylene vinyl acetate)
Cell Interconnection	Composite film
Cell	12.5 cells monocrystalline solar cells series strings
Cell Connector	IP68, 1.4 mm
Cell Connector	IP68, 1.4 mm (cable length can be customized, 1.4 m max, compatible with MCA)

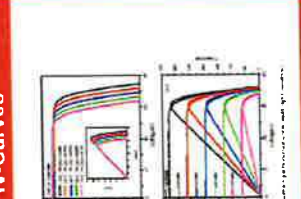
System Design

Temperature Range	-40 °C to +85 °C
Wind Loading	Maximum wind speed of 21 m/s
Maximum Surface Load	5400 Pa
System Voltage	Class A

Dimensions



IV-Curves



Claire Nelson
6191 NE 64th St, Silver Springs,
FL 34488-1127

REVISIONS

No.	Date	Description

Key Data:

Project No.	00000000
Designed By	00000000
Drawn By	00000000
Checked By	00000000
Date	2023/03/01
Drawing Scale	1:1
Drawing Title	MODULE DATASHEET
Drawing No.	DS-01

ROCK-IT SYSTEM 3.0

Designed with the installer in mind

EcoFasten Solar specializes in solar roof attachments that are fast and easy to install, straightforward, secure and cost-effective. EcoFasten offers a wide variety of standard products as well as custom solutions, for a one-stop source for all of your rooftop anchoring needs. Products are rigorously tested and approved above and beyond industry standards in-house and by third party agencies. EcoFasten's patented conical sealing system has been in service in the snow guard and solar industries for over two decades.

FEATURES

- New and improved design
- Fastest, easiest to level system on the market
- Integrated electrical bundling
- SIMPLE - only 4 components

system components* - REQUIRED

system components* - OPTIONAL

*Typical Solar products are produced by the following U.S. brands:
 8,151,522 8,153,500 8,181,598 8,186,718 8,186,799
 8,209,914 8,245,456 8,272,174 8,275,557 9,000,008
 9,135,040 9,175,076 9,172,813

EcoFasten Solar

U.S. Brands

Rock-It Solar products are produced by the following

U.S. Brands:

8,151,522 8,153,500 8,181,598 8,186,718 8,186,799

8,209,914 8,245,456 8,272,174 8,275,557 9,000,008

9,135,040 9,175,076 9,172,813

www.ecofastensolar.com

info@ecofastensolar.com

877-859-3947

1

Claire Nelson
 6191 NE 64th St. Silver Springs,
 FL 34488-1127

No.	Date	Description

Key Plan

Project No.: 0406 Nelson

Designed By: SunVena

Drawn By: c.b.

Checked By: n.s.

Date: 10/20/2023

Drawing Scale: as

Drawing Title:

Attachment DATASHEET

DS-04

6191 NE 64th St, Silver Springs,
FL 34488-1127

Claire Nelson

[illegible]

Key Plan:

Project No.: Dave Nelson

Designed By: SunVena

Drawn By: C A

Checked By: N.S.

1

continued

Drawing Scale:

Drawing Title:

SAFETY PLANS SET

Drawing No.

SF-01

SAFETY PLAN

INSTRUCTIONS

1. USE SYMBOLS IN KEY TO MARK UP ON SHEET.
2. SAFETY PLANS MUST BE MARKED BEFORE YOU START AS PART OF THE PLAN.
3. OCCURENT ALL ADDITIONAL HAZARDS ON THIS PLAN A MAKE NOTES ON THE SHEET.

IN CASE OF EMERGENCY CALL 911

FOREMAN CONTACT INFORMATION

NAME: _____

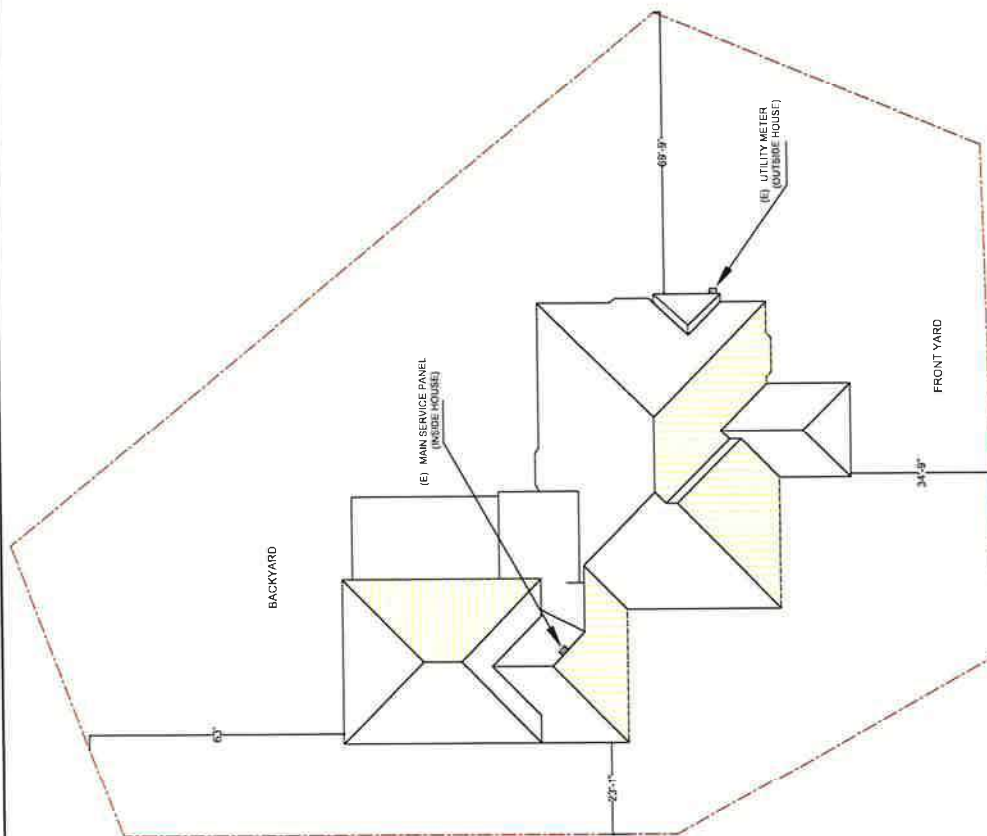
ADDRESS

ALL EMPLOYEES ON SITE SHALL BE MADE AWARE OF THE SAFETY PLAN.

1
1

MARK UP KEY

- | | |
|------|-----------------------------|
| (P) | PERMANENT ANCHOR |
| (T) | TEMPORARY ANCHOR |
| (D) | DELINEATOR FOR WARNING LINE |
| (G) | GUARD LINE STANCHION |
| (IL) | INSTALLER LADDER |
| (AL) | AUDITION LADDER |
| (J) | JUNCTION/COMBINER BOX |
| (J) | STUBOUT |
| (X) | SKYLIGHT |
| () | NO LADDER ACCESS |
| () | RESTRICTED AREA |
| () | CONDUIT |
| (S) | SERVICE DROP |
| (P) | POWER LINES |
| (G) | GAS SERVICE |
| (ST) | SEPTIC TANK |
| (GT) | LP GAS TANK |



FALL PROTECTION EQUIPMENT

- | | |
|--|--|
| <input type="checkbox"/> PERSONAL FALL ARREST SYTEM | <input type="checkbox"/> ANCHOR |
| <input type="checkbox"/> Retractable
<input type="checkbox"/> Full Body Harness | <input type="checkbox"/> Ridge Anchor
<input type="checkbox"/> Metal Roof Anchor
<input type="checkbox"/> Super G Anchor |

Open with Google Docs

American Strategic Insurance Corp
1 ASI Way
St. Petersburg, FL 33702
Phone: (727) 374-2502

PROGRESSIVE
UMBRELLA

Premises Only Liability Declarations Page

Agent:
Professional Property & Casualty, LLC
2050 Winter Springs Blvd
Oviedo, FL 32765

Agent Code: 418438
For Policy Service, Call: (407) 366-7746

Total Policy Premium: \$210
Policy Number: FLU156993
Plan Type: UMB

Policy Period: From: 03/04/2023 To: 03/04/2024

Effective Date of Transaction: 03/04/2023
Transaction Type: New Business

Named Insured:
CLAIRE NELSON
6191 NE 64TH ST
SILVER SPRINGS, FL 34488

Premises Location(s):
6191 NE 64TH ST, SILVER SPRINGS, FL 34488-1127

Coverage Limit: \$ 1,000,000

Coverages	Limit	Premium
Liability Base Premium	\$ 1,000,000	\$200.00

Surcharges & Discounts	Premium
Desired Coverage Limit	\$0.00
Increased Underlying Property Liability	\$0.00
Territory Factor (UIM)	\$0.00
Premises Only Credit	(\$39.00)
Swimming Pool Spas	\$40.00
Minimum Limit Premium Adjustment	\$0.00
Managing General Agent Fee	\$25.00
Florida Insurance Guaranty Association Fee	\$3.62
TOTAL POLICY PREMIUM:	\$210.00

All Insureds:
Nelson, Claire

Policy Forms:
Amendment of Policy Provisions - Florida
Premises Liability
Auto Liability Exclusion - Florida
Public Or Livery Conveyance Exclusion - Florida
Personal Umbrella Liability Policy

ASI PUP FL SP 10 20
ASI PUP 005 09 49
ASI PUP FL ALE 10 20
ASI PUP FL PCE 10 20
DL 95 01 06 98

Additional Interest:

Certificate Of Completion

Envelope Id: 7E3FE09EA1B442F9B0466B0DD04E3E8D

Status: Completed

Subject: Revised: Tri-Party Net Metering Agreement (ELE)240048-Claire Nelson

Source Envelope:

Document Pages: 41

Signatures: 8

Certificate Pages: 5

Initials: 0

AutoNav: Enabled

Envelope Stamping: Enabled

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Envelope Originator:

Porsha Ullrich

110 SE Watula Avenue

City Hall, Third Floor

Ocala, FL 34471

pullrich@ocalafl.gov

IP Address: 216.255.240.104

Record Tracking

Status: Original

11/28/2023 3:31:18 PM

Holder: Porsha Ullrich

pullrich@ocalafl.gov

Location: DocuSign

Security Appliance Status: Connected

Pool: StateLocal

Storage Appliance Status: Connected

Pool: City of Ocala - Procurement & Contracting

Location: DocuSign

Signer Events

William E. Sexton

wsexton@ocalafl.org

City Attorney

City of Ocala

Security Level: Email, Account Authentication
(None)**Signature**

DocuSigned by:



B07DCFC4E86E429...

Signature Adoption: Pre-selected Style

Using IP Address: 216.255.240.104

Timestamp

Sent: 11/28/2023 3:44:51 PM

Viewed: 11/29/2023 8:35:41 AM

Signed: 11/29/2023 8:36:08 AM

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Janice Mitchell

jmittell@ocalafl.org

CFO

Security Level: Email, Account Authentication
(None)

DocuSigned by:



55198B43858A4E1...

Signature Adoption: Pre-selected Style

Using IP Address: 216.255.240.104

Sent: 11/29/2023 8:36:10 AM

Viewed: 11/29/2023 8:40:30 AM

Signed: 11/29/2023 8:40:57 AM

Electronic Record and Signature Disclosure:

Accepted: 11/29/2023 8:40:30 AM

ID: 289b6796-205a-46b7-bbf1-71b63e92c6dd

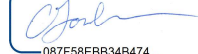
Chris Gowder

chris.gowder@fmpa.com

VP of IT/OT and System Ops

Security Level: Email, Account Authentication
(None)

DocuSigned by:



087F58EBB34B474...

Signature Adoption: Uploaded Signature Image

Using IP Address: 38.77.131.2

Sent: 11/29/2023 8:40:59 AM

Viewed: 11/29/2023 9:16:49 AM

Signed: 11/29/2023 9:17:50 AM

Electronic Record and Signature Disclosure:

Accepted: 11/29/2023 9:16:49 AM

ID: 52f4d18d-335d-43ca-a020-1f28409849ff

In Person Signer Events**Signature****Timestamp****Editor Delivery Events****Status****Timestamp****Agent Delivery Events****Status****Timestamp****Intermediary Delivery Events****Status****Timestamp**

Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	11/28/2023 3:44:52 PM
Certified Delivered	Security Checked	11/29/2023 9:16:49 AM
Signing Complete	Security Checked	11/29/2023 9:17:50 AM
Completed	Security Checked	11/29/2023 9:17:50 AM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

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If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact City of Ocala - Procurement & Contracting:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: contracts@ocalafl.org

To advise City of Ocala - Procurement & Contracting of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at contracts@ocalafl.org and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from City of Ocala - Procurement & Contracting

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to contracts@ocalafl.org and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with City of Ocala - Procurement & Contracting

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to contracts@ocalafl.org and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

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To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

By selecting the check-box next to ‘I agree to use electronic records and signatures’, you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify City of Ocala - Procurement & Contracting as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by City of Ocala - Procurement & Contracting during the course of your relationship with City of Ocala - Procurement & Contracting.