

230218

OCALA ELECTRIC UTILITY
OCALA, FLORIDA

FIRST REVISED SHEET NO. 19.0
CANCELS 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 Electric Utility. Please refer to the Ocala Electric Utility Net-Metering Rate Schedule.

Ocala Electric Utility customers who install customer-owned renewable generation systems (RGS) and desire to interconnect those facilities with the Ocala Electric Utility system are required to complete this application. When the completed application and fees are returned to Ocala Electric Utility, 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 Electric Utility, located at 201 SE 3rd Street, Ocala, Florida 34471, or may be requested by email from OEU@ocalafl.org.

1. Customer Information

Name: Adalgiza Velasco

Mailing Address: 1807 SE 8th Ave

City: Ocala State: FL Zip Code: 34471

Phone Number: (352) 426-3233 Alternate Phone Number: _____

Email Address: adavelasco14@gmail.com Fax Number: _____

Ocala Electric Utility Customer Account Number: 514425-160129

2. RGS Facility Information

Facility Location: 1807 SE 8th Ave Ocala, FL 34471

Ocala Electric Utility Customer Account Number: 514425-160129

RGS Manufacturer: FREEDOM FOREVER

Manufacturer's Address: _____

Reference or Model Number: FF-MP-BBB-370

Serial Number: _____

(Continued on Sheet No.19.1)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

3. Facility Rating Information

Gross Power Rating: 8.177 (“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 Electric Utility’s 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: Solar

Anticipated In- Service Date: _____

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 \$375 for Tier 2 and \$750 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 the estimated costs of the study (to be determined at time of application) must 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 the actual costs of the study. Should the actual cost of the study be less than the deposit, the difference will be refunded to the customer. Customer agrees to comply with all interconnection requirements identified in the interconnection study report.

6. Required Documentation

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

- A. Documentation demonstrating that the installation complies with (or most current version at time of inspection approval):
1. IEEE 1547 (2018) 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 (2010) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources.

(Continued on Sheet No. 19.2)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 19.1)

FIRST REVISED SHEET NO. 19.2
CANCELS ORIGINAL SHEET NO. 19.2

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 Electric Utility system to ensure compliance with applicable local codes. OEU will also require proof of commission testing by a qualified 3rd party testing company (not affiliated in any way with the manufacturer, vendor or installation contractor), for compliance with all required and applicable codes, standards, and interconnection study requirements, prior to setting of OEU metering equipment.

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: Adalgiza Velasco Date: 12/19/2022
(Print Name)

Adalgiza Velasco
(Signature)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

**Tier 1 – Standard Interconnection Agreement
Customer-Owned Renewable Generation System**

This **Agreement** is made and entered into this 21st day of December, 2022, by and between Adalgiza Velasco, (hereinafter called "**Customer**"), located at 1807 SE 8th Ave in Ocala, Florida, and the City of Ocala doing business as Ocala Electric Utility (hereinafter called OEU), a body politic. Customer and OEU shall collectively be called the "**Parties**". The physical location/premise where the interconnection is taking place: 1807 SE 8th Ave Ocala, FL 34471.

WITNESSETH

Whereas, a Tier 1 Renewable Generation System (RGS) is an electric generating system that uses one or 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 no more than ten (10) kilowatts (10 kW) alternating current (AC) power output and is primarily intended to offset part or all of the Customer's current electric requirements; and

Whereas, OEU operates an electric system serving the City of Ocala; and

Whereas, Customer has made a written Application to OEU, a copy being attached hereto, to interconnect its RGS with OEU' electrical supply grid at the location identified 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 the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU' 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 OEU to allow its customers to interconnect with OEU's electric system and to allow OEU 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 OEU customers interconnected to OEU's electric system; and

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

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

(Continued on Sheet No. 21.1)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

1. The Customer shall be required to enter into a Tri-Party Net-Metering Purchase Power Agreement with FMPA and the City of Ocala Electric Utility (OEU).
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 and operate in parallel with OEU's 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 1 RGS as defined above. It is the Customer's responsibility to notify OEU 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. Increase in GPR above the ten kilowatt (10 kW) limit would necessitate entering into a new agreement at either Tier 2 or Tier 3 which may impose additional requirements on the Customer. In no case does the Tier 1, Tier 2 or Tier 3 agreement cover increases in GPR above two megawatts (2MW).
4. The RGS GPR must not exceed 90 percent (90%) of the Customer's OEU calculated distribution service rating at the Customer's location (including shared electric facilities). 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. OEU will not allow a RGS GPR greater than required to offset the customer's annual kWh energy consumption (based on customer's historical consumption data or by means of estimated usage of similar type of service as determined by OEU).
5. The Customer shall not be required to pay any special fees due solely to the installation of the RGS.
6. The Customer shall fully comply with OEU's Design Standards following NEC standards 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 (or most current version at time of inspection approval):
 - a. IEEE-1547 (2018) 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 (2010) 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 to Sheet No. 21.2)

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Electric Utility Director

Effective: October 1, 2019

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 OEU, 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 OEU. 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 OEU.

10. Prior to commencing parallel operation with OEU's 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 OEU.

11. The Customer agrees to permit OEU, 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. OEU will provide Customer with as much notice as reasonably possible, either in writing, email, facsimile or by phone as to when OEU 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 OEU 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 OEU's 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 OEU advising of the date and time at which Customer intends to place the system in service, and OEU shall have the right to have personnel present on the in-service date in order to ensure compliance with the requirements of this Agreement.

(Continued on Sheet No. 21.3)

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Electric Utility Director

Effective: October 1, 2019

12. The Customer's RGS must have an appropriately sized grid-tie inverter system that includes applicable protective systems. Customer certifies that the RGS equipment includes an OEU interactive inverter or interconnection system equipment that ceases to interconnect with the OEU system upon a loss of OEU's electric 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).

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

14. The Customer shall not energize the OEU system when OEU's system is deenergized. The Customer shall cease to energize the OEU system during a faulted condition on the OEU system and/or upon any notice from OEU that the deenergizing of Customer's RGS equipment is necessary. The Customer shall cease to energize the OEU system prior to automatic or non-automatic reclosing of OEU's protective devices. There shall be no intentional islanding, as described in IEEE 1547, between the Customer's and OEU' 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 OEU 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 OEU 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 OEU's system, such that back feed from the customer-owned renewable generation system to OEU's 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 OEU and capable of being locked in the open position with an OEU padlock. When locked and tagged in the open position by OEU, this switch will be under the control of OEU.

(Continued on Sheet No. 21.4)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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

18. Once OEU 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 OEU representative, OEU will, within fifteen (15) business days, send written notice that parallel operation of the RGS may commence.

19. OEU requires the Customer to maintain general liability insurance for personal injury and property damage in the amount of not less than one hundred thousand dollars (\$100,000.00).

20. OEU 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 OEU to Customer, and measure the energy delivered by Customer to OEU. 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 OEU.

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 OEU 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.

(Continued on Sheet No. 21.5)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

23. In no event shall any statement, representation, or lack thereof, either express or implied, by OEU, relieve the Customer of exclusive responsibility for the Customer's system. Specifically, any OEU 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. OEU'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, OEU, 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 notice shall be given. The system will be reconnected as soon as practical once the conditions causing the disconnection cease to exist. OEU 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 OEU's 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. OEU system emergencies, forced outages, uncontrollable forces or compliance with prudent electric OEU practice.
- b. When necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any OEU equipment, any part of OEU's electrical distribution system or Customer's generating system.
- c. Hazardous conditions existing on OEU's system due to the operation of the Customer's generation or protective equipment as determined by OEU.
- d. Adverse electrical affects (such as power quality problems) on the electrical equipment of OEU's other electric consumers caused by the Customer's generation as determined by OEU.
- e. When Customer is in breach of any of its obligations under this Interconnection Agreement or any other applicable policies and procedures of OEU.
- f. When the Customer fails to make any payments due to OEU by the due date thereof.

25. Upon termination of services pursuant to this Agreement, OEU 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 OEU's electric supply system, notify OEU that the isolation is complete, and coordinate with OEU for return of OEU's lock.

(Continued to Sheet No. 21.6)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

26. To the fullest extent permitted by law, and in return for adequate, separate consideration, Customer shall indemnify, defend and hold harmless OEU, 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 OEU.
- b. The interconnection of Customer's generating system with, and delivery of energy from the generating system to, OEU's electrical distribution system, irrespective of any fault on the part of OEU.
- 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, agents, contractors (and any subcontractor or material supplier thereof) 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 OEU's 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 OEU 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 OEU 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.

(Continued on Sheet No. 21.7)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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 OEU's tariff as it may be modified, changed, or amended from time to time, including any amendments modification or changes to OEU's Net-Metering Service Rate Schedule, the schedule applicable to this Agreement. The Customer and OEU 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 OEU 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 and enforceability of all other provisions of this Interconnection Agreement 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 OEU's electrical distribution system.

30. This Agreement incorporates by reference the terms of the tariff filed with the Florida Public Service Commission by OEU, including OEU's 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. OEU 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, OEU and Customer agree to supersede and replace this Agreement with a new Interconnection Agreement, which complies with the amended statutes/rules.

(Continued on Sheet No. 21.8)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 21.7)

FIRST REVISED SHEET NO. 21.8
CANCELS ORIGINAL SHEET NO. 21.8

32. Customer acknowledges that its provision of electricity to OEU 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 OEU pursuant to the OEU's Net-Metering Service Rate Schedule, (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU system.

33. This Agreement is solely for the benefit of OEU 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 OEU 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 OEU 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 OEU of the sovereign immunity applicable to OEU as established by Florida Statutes, 768.28.

(Continued on Sheet No. 21.9)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 21.8)

FIRST REVISED SHEET NO. 21.9
CANCELS ORIGINAL SHEET NO. 21.9

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

City of Ocala Electric Utility:

By: Ken Whitehead

Title: Asst. City Manager

Date: 01 / 27 / 2023

Customer:

By: Adalgiza Velasco
(Print Name)

Adalgiza Velasco
(Signature)

Date: 12/19/2022

City of Ocala Electric Utility Account Number:

514425-160129

Approved as to form and legality:

William E. Sexton

William E. Sexton
City Attorney

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this “Agreement”) is entered into this 21st day of December, 2022, 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 Electric Utility, a body politic (hereinafter “OEU”), and Adalgiza Velasco, a retail electric customer of OEU (hereinafter “Customer”).

Section 1. Recitals

1.01. OEU and Customer have executed OEU’s Standard Interconnection Agreement for a Customer-Owned Renewable Generation System (RGS) pursuant to which OEU has agreed to permit interconnection of Customer’s renewable generation to OEU’s 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 OEU’s 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 OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU’s 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 OEU to allow its customers to interconnect with OEU’s electric system and to allow OEU’s 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 OEU’s electric customers interconnected to OEU’s 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 OEU electric distribution system until Customer has executed OEU’s electric Standard Interconnection Agreement for Small Customer-Owned Renewable Generation and is in compliance with all terms and conditions

OEU requires that the customer install and operate the RGS in accordance with all applicable safety codes and standards. OEU 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 OEU’s electric distribution system.

(Continued on Sheet No. 20.1)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

Section 3. Metering

3.01 In accordance with the OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation, OEU shall install metering equipment at the point of delivery capable of recording two separate kWh meter readings: (1) the flow of electricity from OEU to the Customer (Delivered), and (2) the flow of excess electricity from the Customer to OEU. OEU 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 OEU's electricity. All electric power and energy delivered by OEU to Customer shall be received and paid for by Customer to OEU (Received) pursuant to the terms, conditions and rates of the OEU otherwise applicable rate schedule.

4.02. Excess customer-owned renewable generation shall be delivered to the OEU 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 OEU 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 OEU.

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 OEU to the Customer in accordance with the OEU Electric Net-Metering Service Rate Schedule.

(Continued on Sheet No. 20.2)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

4.04. FMPA and OEU 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 OEU equipment or part of OEU's system; or (b) if either FMPA or OEU 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 OEU 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 OEU pursuant to the Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU 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 OEU 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 OEU or (b) failure by Customer to comply with any of the terms and conditions of this Agreement or OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation.

(Continued on Sheet No. 20.3)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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 OEU 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 OEU 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 OEU 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 OEU, 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)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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, OEU, 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, OEU, 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, OEU, 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 OEU of the sovereign immunity applicable to either or both of them as established by Florida Statutes, 768.28.

(Continued on Sheet No. 20.5)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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: Ken Whitehead

Title: Asst. City Manager

Date: 01 / 27 / 2023

Florida Municipal Power Agency

By: [Signature]

Title: Bus Dev & Sys Ops Director

Date: 01 / 28 / 2023

Customer

By: Adalgiza Velasco

(Print Name)

Adalgiza Velasco

(Signature)

Date: 12/19/2022

Customer's City of Ocala Electric Utility Account Number: 514425-160129

Approved as to form and legality:

William E. Sexton

William E. Sexton
City Attorney

(Continued on Sheet No. 20.6)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

**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 OEU for the excess kWh energy delivered by customer-owned renewable generation to OEU's electric system. Every month, OEU shall determine the total kWh of customer-owned renewable generation that is delivered to OEU's 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 OEU 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 OEU's 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 OEU's electric system has been purchased by FMPA, but will remain on OEU's electric system and be used by OEU to meet its other customers' electric needs. As a result, OEU's monthly ARP bill will be adjusted accordingly to reflect FMPA's subsequent sale of this energy to OEU.

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, OEU shall pay the Customer for any unused excess energy credits in accordance with the OEU Electric Net-Metering Service Rate Schedule.

Universal Property & Casualty Insurance Company,
 A Stock Company
 Glo Evolution Risk Advisors, Inc.
 1110 W. Commercial Blvd
 Fort Lauderdale, FL 33309

Homeowners
 Declaration Effective
 1/18/2022



AMENDED: Updates, Wind Mitigation

THIS IS NOT A BILL

For Policy or Claims Questions Contact Your Agent Listed Below

Policy Number	FROM	Policy Period	TO	Agent Code
1501-1004-0348	12/09/2021		12/09/2022	8011

[MORTGAGEE BILLED]
 12:01 AM Standard Time

Named Insured and Address

ADALGIZA VELASCO
 1807 SE 8TH AVENUE
 Ocala, FL 34471
 (352) 426-3233

Agent Name and Address

Carey Insurance
 203 NE 8th Avenue
 Ocala, FL 34470
 (352) 732-0800

Insured Location

1807 SE 8TH AVE OCALA, FL 34471 MARION COUNTY

Premium Summary

Basic Coverages Premium	Attached Endorsements Premium	Assessments / Surcharges	MGA Fees/Policy Fees	Total Policy Premium (Including Assessments & Surcharges)
\$2,174.00	(\$452.00)	\$540.00	\$27.00	\$2,289.00

Rating Information

Form	Construction	Year	Townhouse/ Rowhouse	Number of Families	Occupied	Protection Class	Territory	ACEG
HO3	Masonry	1973	N	1	Y	2	792	99
Courty	Dwelling Replacement Cost	Personal Property Replacement Cost	Burglar	Fire	Sprinkler	Protective Device Credits:		
Marion	Y	Y	N	N	N			

We will provide the insurance described in this policy in return for the premium and compliance with all applicable provisions of this policy. For renewals: If we elect to continue this insurance, we will renew this policy if you pay the required renewal premium for each successive policy period subject to our premiums, rules and forms then in effect. You must pay us prior to the end of the current policy period or else this policy will expire.

Insurance is provided only with respect to the following coverages for which a limit of liability is specified, subject to all the conditions of this policy.

COVERAGES - SECTION I	LIMITS	PREMIUMS	COVERAGES - SECTION II	LIMITS	PREMIUMS
Coverage A - Dwelling	\$262,854	\$2,174.00	Coverage E - Personal Liability	\$300,000	\$18.00
Coverage B - Other Structure	\$26,295		Coverage F - Medical Payments	\$3,000	\$5.00
Coverage C - Personal Property	\$131,427				
Coverage D - Loss of Use	\$52,571				

NOTE: The portion of your premium for hurricane coverage is: \$1,020.83
 The portion of your premium for all other coverages is: \$1,268.17

Section I Coverages Subject to a 2.0% of Coverage A - \$5,257 Hurricane Deductible Per Calendar Year.

Section I Coverages Subject to \$1,000 All Other Perils (Non-Hurricane, Non-Sinkhole) Deductible Per Loss.
 Section I Coverages Subject to a 10% - of Coverage A \$26,285.40 Sinkhole Deductible.

The Ordinance or Law Coverage amount is 25% of Coverage A - \$65,714

THIS POLICY CONTAINS A SEPARATE DEDUCTIBLE FOR HURRICANE LOSSES WHICH MAY RESULT IN HIGH OUT-OF-POCKET EXPENSES TO YOU.

Flood coverage is not provided by Universal Property & Casualty Insurance Company and is not part of this policy.

Carey Insurance

Country: [Signature]

Title

Step J [Signature]
 Chief Executive Officer

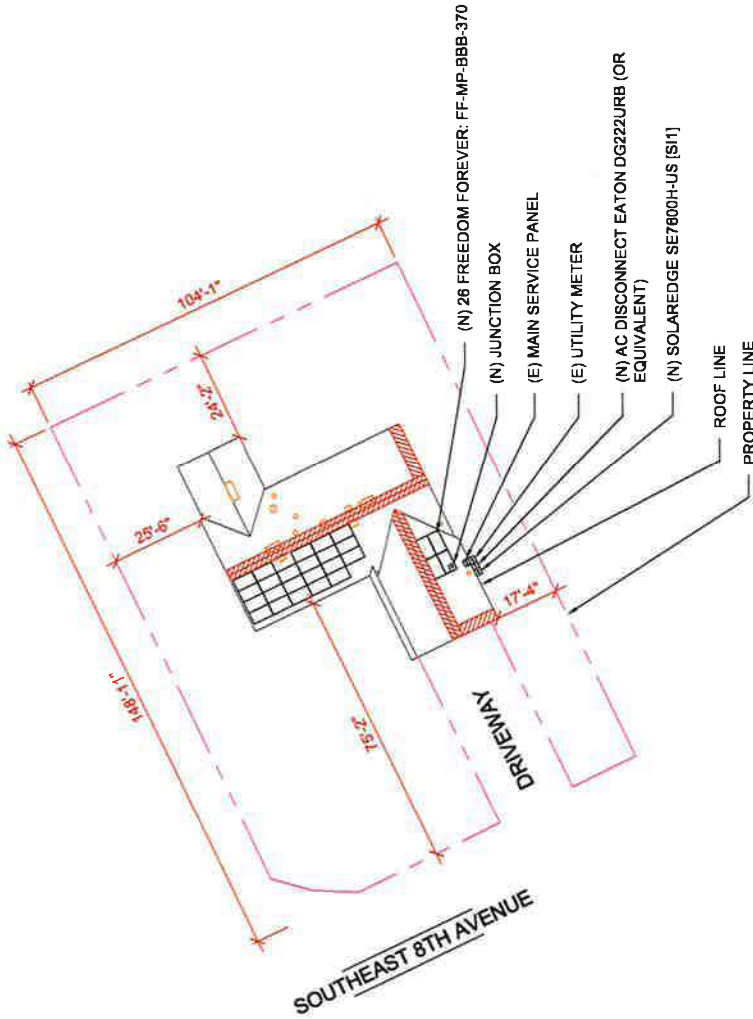


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 Date: 2022.08.31
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TOTAL ROOF AREA RIDGE SETBACK CALCS:
 TOTAL ROOF AREA: 3087 SQ FT
 SINGLE MODULE AREA: 19.60867116 SQ FT
 TOTAL NUMBER OF MODULES: 26
 TOTAL AREA OF MODULES: 509.83 SQ FT
 ROOF COVERAGE: 16.62%
 FIRE SPRINKLERS : NO

THIS SYSTEM DESIGNED WITH:
 WIND SPEED: 145
 WIND EXPOSURE: C

LEGEND:	
	CHIMNEY
	PIPE VENT
	MODULES
	CONDUIT
	SETBACK
	AC DISCONNECT
	UTILITY METER
	JUNCTION BOX
	INVERTER
	MAIN SERVICE PANEL



ROOF AREA: 3087 SQ FT		
CLIENT:	ADALGIBA VELASCO 1807 SOUTHEAST 8TH AVENUE, Ocala, FL 34471 CITY OF OCALA UTILITY, Ocala ELECTRIC UTILITY PHONE: (352) 428-3333 EMAIL: ADAVELASCO14@GMAIL.COM	
SYSTEM:	SYSTEM SIZE (DC): 26 X 370 = 9,800 kW SYSTEM SIZE (AC): 7,600 kW @ 240V MODULES: 26 X FREEDOM FOREVER OPTIMIZERS: 26 X SOLAREEDGE S440 INVERTER: SOLAREEDGE SE7600H-US (S11)	
NO.	REVISIONS	DATE
	REVIEWED BY	

freedom
 FREEDOM FOREVER LLC
 2818 CONSULATE DR SUITE 800, ORLANDO, FL 32835
 TEL: (407) 385-1075
 GREG ALBRIGHT
 CONTRACTOR LICENSE
 CERTIFIED ELECTRICAL CONTRACTOR
 EC13000008

SITE PLAN	
JOB NO:	26516
DATE:	8/29/22
DESIGNED BY:	A.A.
SHEET:	PV.2

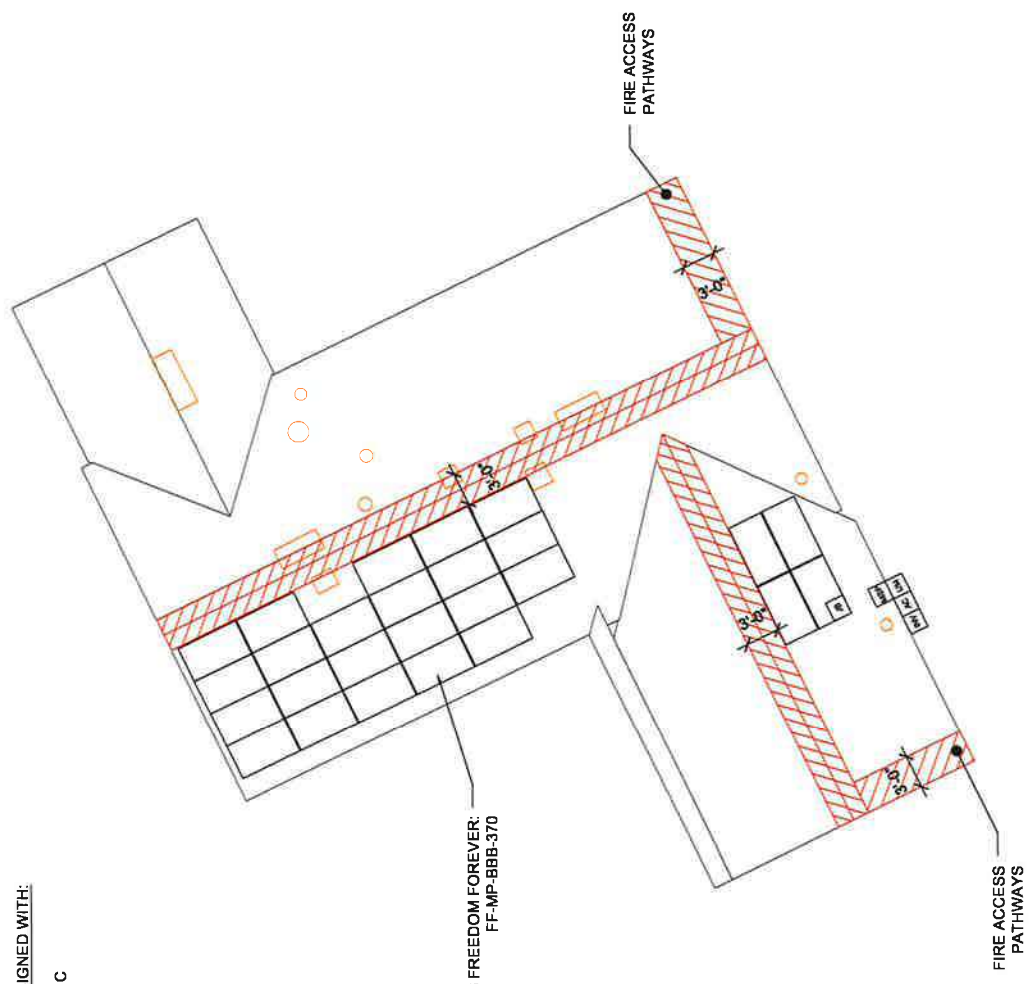
1
 SITE PLAN
 SCALE: 1/32" = 1'-0"

TOTAL ROOF AREA: 3087 SQ. FT
 ARRAY COVERAGE: 16.62%
 SYSTEM DISTRIBUTED WEIGHT: 1.04 LBS
 ROCKIT MICRO RAIL POINT-LOAD: 9.78 LBS

MODIFIED SETBACKS PROPOSED AT RIDGE:
 TOTAL ARRAY AREA = 509.83 SF
 TOTAL ROOF AREA = 3087 SF
 TOTAL ARRAY AREA AS A % TO ROOF AREA = 16.62%
 16.62% < 33%

THIS SYSTEM DESIGNED WITH:
 WIND SPEED: 145
 WIND EXPOSURE: C

LEGEND:	
	CHIMNEY
	PIPE VENT
	MODULES
	CONDUIT
	SETBACK
	AC DISCONNECT
	UTILITY METER
	JUNCTION BOX
	INVERTER
	MAIN SERVICE PANEL



(N) 26 FREEDOM FOREVER:
 FF-MP-BBB-370

1

ROOF PLAN
 SCALE: 3/32" = 1'-0"

NOTES:
 1. EMT CONDUIT ATTACHED TO THE ROOF USING CONDUIT MOUNTS
 2. ATTACHED CLAMPS AT 25% FROM THE EDGE AND 50% FROM THE CENTER OF THE MODULES
 3. JUNCTION BOX IS MOUNTED TO THE RAIL.



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 Maniraguha
 Date: 2022.08.31
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ROOF AREA: 3087 SQ FT			
CLIENT:	ADALGISA VELASCO 1807 SOUTHEAST 8TH AVENUE, OCALA, FL 34471 CITY OF OCALA UTILITY: OCALA ELECTRIC UTILITY PHONE: (352) 478-3323 EMAIL: ADAVELASCO14@GMAIL.COM		
SYSTEM:	SYSTEM SIZE (DC): 26 X 370 = 9,800 MW SYSTEM SIZE (AC): 7,600 MW @ 240V MODULES: 70 X FREEDOM FOREVER OPTIMIZERS: 20 X SOLAREDDGE 9440 INVERTER: SOLAREDDGE BE7600H-JB (B1)		
NO.	REVISIONS	REVIEWED BY	DATE
 FREEDOM FOREVER LLC 2618 CONSULATE DR SUITE 800, ORLANDO, FL 32817 TEL: (407) 384-0705 SREGALBRIGHT CONTRACTOR LICENSE: CERTIFIED ELECTRICAL CONTRACTOR CE13088268		ROOF PLAN WITH MODULES LAYOUT JOB NO.: DATE: 08/31/2022 SHEET: 269516 A.A. PV-2A	

BACKFEED BREAKER SIZING
 MAX. CONTINUOUS OUTPUT 32 00A @ 240V
 32.00 X 1.25 = 40.00AMPS 40A BREAKER - OK
 SEE 705.12 OF 2017 NEC
 200 X 1.20 = 240
 240 - 200 = 40A ALLOWABLE BACKFEED



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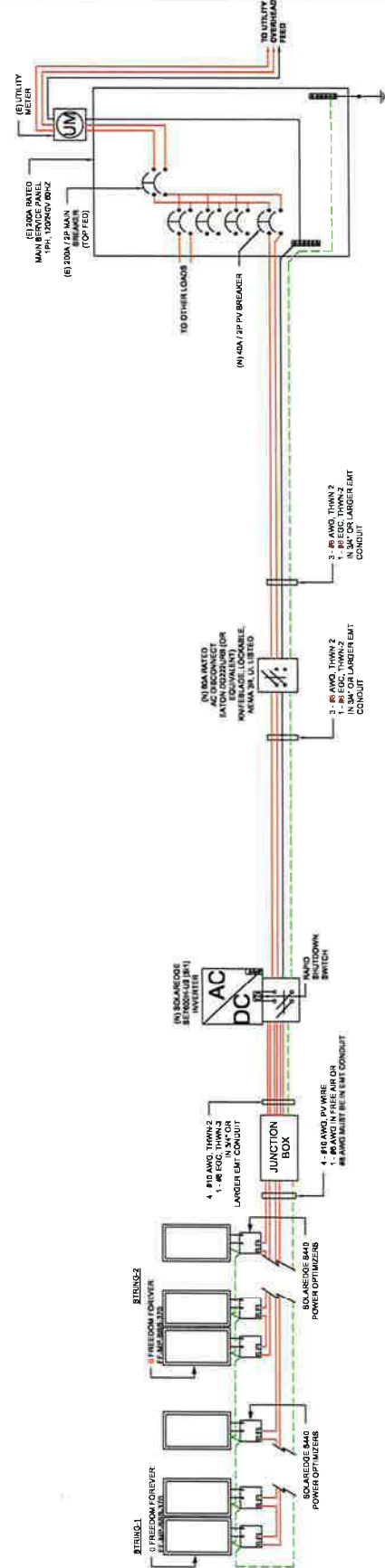
CLIENT:
 ADALGISA VELASCO
 1807 SOUTHEAST 8TH AVENUE, OCALA, FL
 34471
 CITY OF OCALA
 UTILITY: OCALA ELECTRIC UTILITY
 PHONE: (352) 428-3535
 EMAIL: ADAVELASCO14@GMAIL.COM

SYSTEM:
 SYSTEM SIZE (DC): 28 X 370 = 9 820 kW
 SYSTEM SIZE (AC): 7 800 kW @ 240V
 MODULES: 28 X FREEDOM FOREVER
 INVERTER: 28 X SOLAREDDO 6440
 OPTIMIZERS: 28 X SOLAREDDO 6440
 INVERTER, SOLAREDDO 867800H-US (81)

NO.	REVISIONS	DATE

freedom
 FREEDOM FOREVER LLC
 2818 CONSULATE DR SUITE 800, ORLANDO,
 FL 32819
 Tel: (800) 365-0715
 SPEED AL BREYER
 CONTRACTOR LICENSE:
 CERTIFIED ELECTRICAL CONTRACTOR
 EC1308086

JOB NO:	DATE:	DESIGNED BY:	BHEET:
282576	08/29/2022	A.A.	PV.4



NOTE:
 CONDUIT AND CONDUCTORS SPECIFICATIONS ARE BASED
 ON MINIMUM CODE REQUIREMENTS AND ARE NOT MEANT
 TO LIMIT UP-SIZING AS REQUIRED BY FIELD CONDITIONS



370 Watt

120 HALF-CELL MONOFACIAL MODULE FF-MP-BBB-370

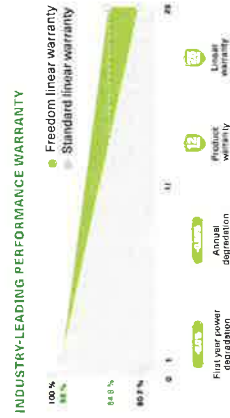
High module conversion efficiency up to 20.31%

Excellent weak light performance

Withstanding harsh environment

Lower operating temperature

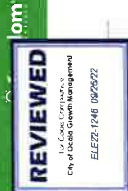
Extreme weather loading



CERTIFICATIONS AND STANDARDS

UL 61720, UL 61716, ISO 9001, ISO 14001, IEC 61701, IEC 61702, IEC 61716, DIN EN 60909-2:09

FF-MP-BBB-370 Module Specifications



ELECTRICAL CHARACTERISTICS

Characteristics	FF-MP-BBB-370
Maximum Power (P _{max})	370W
Maximum Power Voltage (V _{mp})	34.40V
Maximum Power Current (I _{mp})[A]	10.76A
Open Circuit Voltage (V _{oc})[V]	41.80V
Short Circuit Current (I _{sc})[A]	11.26A
Module Efficiency	20.31%
Operating Module Temperature	-40 °C to +85 °C
Power Tolerance	0/+5W

STC

Irradiance of 1000W/m², AM1.5, cell Temperature 25 °C

MECHANICAL CHARACTERISTICS

Cell Type	Mono perc, 166mm-half cells, 120(6x10-6x10)
Weight	20.3 kgs (44.9 lbs.)
Dimension	1765 x 1038 x 35mm, (69.06449 x 40.87 x 1.38in.)
Superstructure	High Transmission, Low Iron & Semi-Tempered Glass (3.2 mm)
Junction Box	1200 mm
Connector	Stäubli EVO2
Frame & Installation	Anodized aluminum profile

OPERATIONS CHARACTERISTICS

Operational Temperature	-40 °C to +85 °C
Max System Voltage	1500VDC (EU)
Max Series Fuse Rating	20A (EU)
Safety Class	Class II
Fire Rating	Type 1
Temperature Ratings	
Temperature Coefficient of P _{max}	-0.38%/°C
Temperature Coefficient of V _{oc}	-0.304%/°C
Temperature Coefficient of I _{sc}	+0.050%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

MECHANICAL LOADING

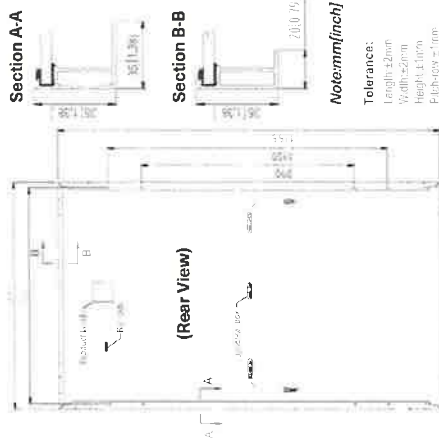
Snow Load	5,400 Pa (113 lb/ft ²)
Rear-Side Design Load	2,400 Pa (60 lb/ft ²)

PACKAGING INFORMATION

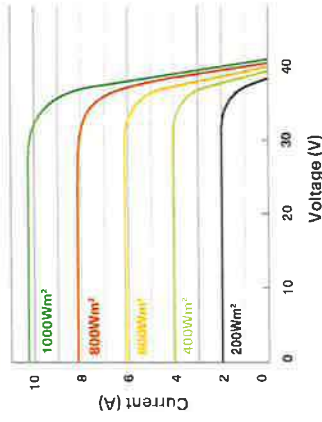
Container	20' GP	40' HC
Pellets per Container	6	28
Pieces per Container	188	806
Pieces per Pallet	31	31
Packaging Box Weight	878 kg (1937 lbs.)	
Packaging Box Dimensions	1785 x 1130 x 1180 mm, (70.28 x 44.92 x 46.48 in.)	

CERTIFICATIONS AND STANDARDS

UL 61720, UL 61716, ISO 9001, ISO 14001, IEC 61701, IEC 61702, IEC 61716, DIN EN 60909-2:09

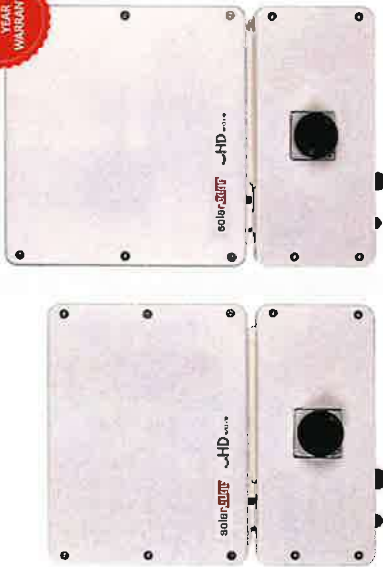


CURRENT-VOLTAGE CURVE



Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020 per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

solaredge.com



Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXBXX4							
OUTPUT								
Rated AC Power Output	3000	3800 @ 240V 3500 @ 208V	5000	5000	7600	10000	11400 @ 240V 10000 @ 208V	
Maximum AC Power Output	3000	3800 @ 240V 3500 @ 208V	5000	5000	7600	10000	11400 @ 240V 10000 @ 208V	
AC Output Voltage Min., Nom., Max. (V)	240	240	240	240	240	240	240	
AC Output Voltage Min., Nom., Max. (V) @ 208V	-	208	208	208	208	208	208	
AC Frequency (Nominal)	59.3 - 60 - 60.5 Hz							
Maximum Continuous Output Current @240V	12.5	16	21	21	32	42	47.5	
Maximum Continuous Output Current @208V	-	16	-	24	-	-	48.5	
Power Factor	1, Adjustable - 0.85 to 0.95							
GFD Threshold	1							
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power @240V	4650	5000	7750	9320	11800	15500	16950	
Maximum DC Power @208V	-	5700	-	7150	-	-	13500	
Transformerless, Ungrounded	Yes							
Maximum Input Voltage	480							
Normal DC Input Voltage	380							
Maximum Input Current @240V	8.5	10.5	13.5	16.5	20	27	30.5	
Maximum Input Current @208V	-	9	-	13.5	-	-	27	
Max. Input Short Circuit Current	45							
Reverse Polarity Protection	Yes							
Ground Fault Indication Detection	600V, Sensitivity							
Maximum Inverter Efficiency	99	99.2					-	99 @ 240V 98.5 @ 208V
CLC Weighted Efficiency	99							
Nighttime Power Consumption	< 2W							

1) For other regional settings, please contact SolarEdge support.
2) A higher current source may be used, the inverter will limit its input current to the values listed.

/ Single Phase Inverter with HD-Wave Technology for North America

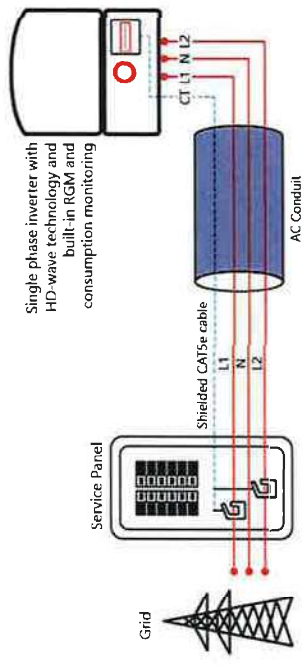
SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US
ADDITIONAL FEATURES	Supported Communication Interfaces: RF485, Ethernet, ZigBee (optional), Cellular (optional) Revenue Grade Metering: ANSI C12.20 Consumption metering: Optional Inverter Commissioning: With the SetApp mobile application using Built-in Wi-Fi Access Point for Local Connection Rapid Shutdown - NEC 2014, NEC 2017 and NEC 2020, 690.12: Automatic Rapid Shutdown upon AC Grid Disconnect						
STANDARD COMPLIANCE	Safety: UL1741, UL1741SA, UL1898B, CSA C22.2 Canadian AEC according to TLL M-07 Grid Connection Standards: IEEE519, Rule 11, Rule 14 (NH) Emissions: FCC Part 15 Class B						
INSTALLATION SPECIFICATIONS	AC Output Conduit Size / AWG Range: 1" Maximum / 14-6 AWG DC Input Conduit Size / # of Straps: 1" Maximum / 12 Straps / 14-6 AWG Dimensions with Safety Switch (WxHxD): 17.7 x 14.6 x 6.8 / 7.00 x 370 x 174 Weight with Safety Switch: 22 / 10 / 25.1 / 11.4 Noise: < 25 Cooling: Natural Convection Operating Temperature Range: -40 to 140 / -40 to $e60^{\circ}\text{F}$ Protection Rating: NEMA 4X (Inverter with Safety Switch) (1) Inverter with Revenue Grade Meter (RGM) is available in US only. (2) Inverter with Revenue Grade Meter (RGM) is available in US only. (3) Inverter with Revenue Grade Meter (RGM) is available in US only. (4) Full power up to 14400VA (120V) for power distribution refer to: https://www.solaredge.com/technical-specifications/temperature-operating-range.html						

How to Enable Consumption Monitoring

By simply wiring current transformers through the inverter's existing AC conduits and connecting them to the service panel, homeowners will gain full insight into their household energy usage helping them to avoid high electricity bills



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RoHS

CITY OF OCALA BUILDING PERMIT

THIS CARD TO BE POSTED ON STREET SIDE OF LOT BEFORE WORK IS STARTED
The Issuance of this Permit is conditioned upon full compliance with the provisions of the laws as set forth and provided for in Chapter 7 of the Ocala Code of Ordinances.

Permit No. ELE22-1246 Date 9/28/2022

Location 1807 SE 8TH AVE Parcel No. 2920-011-012

Owner VELASCO ADALGIZA

Contractor FREEDOM FOREVER FLORIDA - EC

Zone _____ Use _____

Setbacks: Front _____ Side _____ Rear _____

BUILDING	PLUMBING	HARV	ELECTRIC
Footings _____ INSPECTOR _____ Date _____	Ground Rough _____ INSPECTOR _____ Date _____	Rough _____ INSPECTOR _____ Date _____	Temp. Serv. _____ INSPECTOR _____ Date _____
Slab _____ INSPECTOR _____ Date _____	Rough _____ INSPECTOR _____ Date _____	Final _____ INSPECTOR _____ Date _____	UFER Grd. _____ INSPECTOR _____ Date _____
Lintel _____ INSPECTOR _____ Date _____	Final _____ INSPECTOR _____ Date _____	SITE	Slab _____ INSPECTOR _____ Date _____
Roof Sheathing _____ INSPECTOR _____ Date _____	Sewer _____ INSPECTOR _____ Date _____	Drainage _____ INSPECTOR _____ Date _____	Rough In _____ INSPECTOR _____ Date _____
Wall Sheathing _____ INSPECTOR _____ Date _____	Water Serv. _____ INSPECTOR _____ Date _____	Driveway _____ INSPECTOR _____ Date _____	Above ceiling _____ INSPECTOR _____ Date _____
Framing _____ INSPECTOR _____ Date _____	Septic Tank _____ INSPECTOR _____ Date _____	Utilities _____ INSPECTOR _____ Date _____	Semi Perm _____ INSPECTOR _____ Date _____
Dry-In _____ INSPECTOR _____ Date _____	GAS	Final _____ INSPECTOR _____ Date _____	Under-Ground _____ INSPECTOR _____ Date _____
Lath _____ INSPECTOR _____ Date _____	Rough-In _____ INSPECTOR _____ Date _____	Rough _____ INSPECTOR _____ Date _____	Serv Ugrd. _____ INSPECTOR _____ Date _____
Insulation _____ INSPECTOR _____ Date _____	Final _____ INSPECTOR _____ Date _____	Final _____ INSPECTOR _____ Date _____	Change of Serv. _____ INSPECTOR _____ Date _____
Final _____ INSPECTOR _____ Date _____	Other _____ _____	Other _____ _____	Final _____ INSPECTOR _____ Date _____
Other _____ _____			

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH A WATER MANAGEMENT DISTRICTS, STATE AGENCIES OR FEDERAL AGENCIES.

The City of Ocala Building Division is not liable in any civil action for any inaccurate information submitted by an owner or contractor using the authority's electronic confirmation system for permits that are submitted and approved per Florida Statutes Chapter 713, OWNER'S ELECTRONIC SUBMISSION STATEMENT: Under penalty of perjury, I declare that all the information contained in this building permit application is true and correct.

FOR FIRE INSPECTONS CALL: (352) 629-8398

For Inspections Visit: <http://crwtrakit.ocalaf1.org/eTRAKIT3/>

Andrew Babbitt, Chief Building Official

Phone (352) 629 - 8421

Search Projects

Contractors

- Search Contractors
- Pay Fees

Properties

- Search Property

Inspections

- Schedule

Shopping Cart

- Pay All Fees

Permit #BLD22-2922

Permit Info Site Info Contacts ** Fees \$0.00 Inspections(1) Chronology Reviews

Address: 1807 SE 8TH AVE

City/State/Zip: OCALA, FL,

Properties

- Search Property

Inspections

- Schedule

Type	Result	Scheduled Date	Time	Completed	Time	More Info
**FINAL BUILDING	APPROVED	10/17/2022		10/17/2022		

Contractors

- Search Contractors
- Pay Fees

Properties

- Search Property

Inspections

- Schedule

Shopping Cart

- Pay All Fees

Permit #ELE22-1246

Permit Info Site Info Contacts ** Fees \$0.00 Inspections(1) Chronology ** Reviews **

Address: 1807 SE 8TH AVE

City/State/Zip: OCALA, FL,

- Pay Fees

Properties

- Search Property

Inspections

- Schedule

Type	Result	Scheduled Date	Time	Completed	Time	More Info
**FINAL ELECTRIC	APPROVED	10/17/2022		10/17/2022		

Title	FOR SIGNATURES - Application for Interconnection of.....
File name	2711_001.pdf
Document ID	0dc8b4bf498fec4b14f2e09c36e5f2dd7280fbe
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History

 SENT	01 / 27 / 2023 14:52:32 UTC-5	Sent for signature to William E. Sexton (wsexton@ocalafl.org), Ken Whitehead (kwhitehead@ocalafl.org) and Florida Municipal Power Agency (chris.gowder@fmpa.com) from slewis@ocalafl.org IP: 216.255.240.104
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Title	FOR SIGNATURES - Application for Interconnection of.....
File name	2711_001.pdf
Document ID	0dc8b4bf498fec4b14f2e09c36e5f2dd7280fbe
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History



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The document has been completed.