### Interoffice Memorandum

**APPROVED** BY ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS JUN 2 4 2014 KHINA

### AGENDA ITFM

June 2, 2014

TO:

Mayor Teresa Jacobs

-AND-

**Board of County Commissioners** 

FROM:

Jon V. Weiss, P.E., Director

Community, Environmental and Development

Services Department

CONTACT PERSON: Lori Cunniff, CEP, CHMM, Deputy Director Community, Environmental and Development

**Services Department** 

(407) 836-1405

SUBJECT:

June 24, 2014 — Consent Item

Orlando Utilities Commission Commercial Solar Service

Agreement Customer-Sited Solar System

The Environmental Protection Division (EPD) is requesting approval of the Commercial Solar Service Agreement (CSSA) between Orlando Utilities Commission (OUC) and Orange County Government pertaining to the 38.88 kilowatt solar photovoltaic (PV) system located on the roof of the covered parking area at the Orange County Sheriff's Office (OCSO) Administrative Offices at 2500 West Colonial Drive, Orlando. The OCSO solar PV system was purchased and installed with Energy Efficiency and Conservation Block Grant funding obtained from the U.S. Department of Energy and became operational at the end of September 2013.

OUC offers its customers solar incentives that include net metering and a PV credit program. With net metering, anytime the solar PV system generates more energy than is used, the excess energy flows out to the OUC grid and OUC will purchase the kilowatt-hours (kWhs) as set forth in OUC's Net Metering for Customer Owned Renewable Generation tariff or other tariffs on file with the Florida Public Service Commission (FPSC), which may be changed from time to time. With the solar PV credit, the customer receives a monthly credit per kWh produced by the PV system regardless of whether the energy was used by the customer or sent back to the OUC grid. In return. OUC receives the environmental attributes (e.g., renewable energy certificates) associated with the solar energy produced. OUC accumulates the environmental attributes to more cost effectively meet its renewable energy portfolio goals. The price Page Two June 24, 2014 – Consent Item Orlando Utilities Commission Commercial Solar Service Agreement Customer-Sited Solar System

for the environmental attributes is set forth in OUC's Electric Tariff (Solar PV Credit Program Rider) on file with the FPSC, which may be changed from time to time.

The term of the Agreement is for a period of five years from the date of the first utility bill where the purchase and sale of "environmental attributes" have been initiated. The agreement will automatically renew for successive terms of five (5) years unless terminated by written notice by either party.

The current estimated monthly production of the solar system is 4,374 kWh. The current accumulated production credits will be paid at a rate of \$0.05 per kWh. From September 27, 2013 to May 19, 2014 the production of the solar system was 33,864 kWh; therefore, credit due to Orange County is currently \$1,693.20.

Upon, BCC approval of the CSSA and final execution, OUC will activate the three production meters (installed on September 27, 2013) in the OUC billing system. Solar credits earned based on PV system production will be used to offset the cost of electric bills for the OCSO.

The OUC CSSA was reviewed by the County Attorney's Office and approved as to form.

ACTION REQUESTED: Approval of Commercial Solar Service Agreement (CSSA) Customer-Sited Solar Systems between Orlando Utilities Commission and Orange County for property located at the Orange County Sheriff's Office whose electric service address is 2500 West Colonial Drive, Orlando, Florida 32804. District 6.

JVW/LC: mg

Attachments



# APPROVED BY ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS JUN 2 4 2014 KHINP

## Commercial Solar Service Agreement (CSSA) Customer-Sited Solar Systems

This Agreement is made and entered into by and between the Orlando Utilities Commission ("OUC" or "Company"), a statutory commission existing under the laws of the State of Florida, whose address is 100 West Anderson St., Orlando, Florida 32802, and Orange County, a charter county and political subdivision of the State of Florida Orange County, a charter county and political subdivision of the State of Florida ("Customer"), whose electric service address is 2500 W. Colonial Dr. Orlando, Florida 32804, (the "Service Address"), and is effective as of the date last signed below.

- 1. **REPRESENTATIONS.** The signatories hereto individually and collectively make the following representations:
  - a) They are individually authorized and competent to sign this Agreement and that they have read the Agreement and agree to be bound by its terms.
  - b) Customer owns the solar system(s) in the state of Florida at the Service Address set forth above, and whose primary business is not the generation of electricity for retail or wholesale sale from the same Service Address and for the purpose of this Agreement is the person in whose name electric service is listed at the Service Address.
  - c) The solar system(s) for consideration under this agreement is/are:
    - Solar Photovoltaic System

Size: <u>38.880</u> KW (DC capacity)

☐ Solar Thermal Water Heating System

Size: Sq. Ft. (Collector)

- d) OUC shall provide customer with a one-time solar thermal meter credit of two-hundred-fifty dollars (\$250) to offset the cost of installing each BTU meter.
- 2. PURCHASE AND SALE. On the terms and subject to the conditions set forth in this Agreement, the Customer agrees to sell and OUC agrees to purchase from Customer all of the environmental attributes associated with the generation of solar energy, including but not limited to, all renewable energy certificates, "green tags", carbon offsets, or other tradable environmental interests (collectively "Environmental Attributes") generated by the solar system(s) at the Service Address. An Environmental Attribute is separate and apart from the energy produced and may be independently transferred or conveyed. OUC will accumulate the Environmental Attributes to more cost effectively meet its renewable energy portfolio goals which benefits all OUC customers.
- 3. **TERM.** The term of this Agreement shall commence on the Effective Date and shall continue for a period of five (5) years from the date of the first utility bill ("Bill Date") where the Purchase and Sale of Environmental Attributes have been initiated. This agreement shall automatically renew for successive Terms of five (5) years hence, unless terminated by written notice of such intention from either party to the other at least sixty (60) days prior to expiration date of the initial Term or subsequent Terms. The Agreement may also be terminated if the customer moves out of the premise and therefore closes the account with OUC. Either party may terminate this Agreement for convenience by giving no less than ninety (90) days notice prior to the effective date of termination.



**CSSA** 

4. **PURCHASE PRICE**. The price for the Environmental Attributes shall be a payment based on OUC's receipt of all Environmental Attributes generated by the solar system(s). The price for the Environmental Attributes will be set forth in the Company's Electric Tariff (Solar Photovoltaic Credit Program Rider and/or Solar Thermal Credit Rider) on file with the Florida Public Service Commission (FPSC) which may be changed from time to time.

### 5. TERMS AND CONDITIONS

- a) Customer shall be solely responsible for ensuring that the solar system(s) equipment installed for this program meets all applicable codes, standards, and regulatory requirements.
- b) The solar system(s) shall be located at the Service Address at all times during the term of this Agreement.
- c) For Solar Photovoltaic (PV) Systems:
  - c1. The Customer must receive electric power from OUC.
  - c2. The Customer must provide OUC with a copy of the electrical one-line diagram for the PV system.
  - c3. The Gross Power Rating of the PV system shall not exceed two (2) megawatts as defined in Appendix A (F.A.C. 25-6.065).
  - c4. The Customer shall complete a PV Interconnection Application and Compliance Form attached and incorporated herein as Exhibit A, and be granted permission by OUC to interconnect to its electric distribution system prior to the operation of the proposed PV system. The Customer agrees to maintain compliance with all of OUC's interconnection requirements.
  - c5. If any excess energy is generated by the PV system at the Service Address, OUC shall receive all of this excess energy. The Customer will receive compensation for any excess energy in the form of a consumption offset to the customer's energy consumption as shown on the next billing cycle as set forth in the Company's Net Metering for Customer Owned Renewable Generation tariff or other tariffs on file with the FPSC which may be changed from time to time. The Customer's "Billed Energy" shall be applied to the applicable standard tariff energy rate and shall be calculated as the difference between the OUC supplied energy and the energy exported to the OUC grid from the Customer's PV system.
  - c6. If this agreement is terminated as provided for in Section 3, the Customer will remain eligible to interconnect to OUC's distribution system; however, the Customer shall not be billed based on the Solar Photovoltaic Rider, but on an otherwise applicable tariff rate.
- d) For Solar Thermal Water Heating Systems:
  - d1. Solar thermal water heating systems must be used for potable or process water heating.
  - d2. Solar pool water heating systems are excluded under this agreement.
  - d3. The OUC standard BTU meter size is ¾". Immediately notify OUC of thermal systems requiring larger BTU meters for special orders and allow additional delivery time.



CSSA

- e) OUC shall purchase and own all Environmental Attributes produced by the solar system(s), and the Customer shall not be allowed to sell the Environmental Attributes to any party other than OUC during the initial and all subsequent terms of this Agreement. Upon the customer notice to terminate this agreement under section 3, OUC shall have the right of first refusal with respect to any and all bona fide offers to purchase Environmental Attributes and agrees to exercise such right of first refusal, if at all, within thirty (30) days of receiving written notification by Customer of a bona fide offer.
- f) This Agreement is assignable by Customer to any subsequent purchaser of the Service Address, pursuant to section 5(o) below.
- g) Under the terms of this Agreement, OUC does not imply any representation or warranty by OUC of the design, installation or operation of the solar equipment, and OUC expressly disclaims any and all warranties of the equipment as to workmanship, quality, or performance, including the fitness of the equipment for the purpose intended.
- h) OUC shall not be responsible or liable for any personal injury or property damage caused by the solar system(s) or any individual component equipment of the system(s).
- i) To the fullest extent permitted by law, each party to this Agreement shall be solely responsible for all claims, demands, damages, liabilities, interest, attorney fees, costs and expenses, of whatsoever kind or nature arising out of its acts, errors, or omissions, in connection with this Agreement. Nothing contained herein shall constitute a waiver by either party of its sovereign immunity or the provisions of section 768.28, Florida Statutes.
- j) This Agreement and the terms contained in the Agreement shall be binding and enforceable against the parties for as long as the Agreement remains in effect.
- k) If any disputes arise concerning this Agreement, including but not limited to enforcement of any term or condition of the Agreement, parties specifically agree to be responsible for their own attorney's fees and costs, whether incurred at trial or on appeal unless awarded as part of any settlement or judgment. Failure of either party to enforce any term or condition of this Agreement shall not constitute a waiver of that term or condition or of any other term or condition of this Agreement.
- I) The parties agree that a cause of action for breach of any provision of this Agreement shall not accrue with regard to statutory time limitations until the non-breaching party actually discovers the breach.
- m) If any of the representations of the Customer are false or incorrect, such false or incorrect representation shall constitute a material breach of this Agreement.
- n) This Agreement shall be exclusively governed by and interpreted in accordance with the laws of the State of Florida.
- o) This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the respective parties hereto, and shall not be assigned by either party without the written consent of the other party, which consent shall not be unreasonably withheld. Customer is released from any and all future liability under this Agreement upon its assignment.



CSSA

- p) By executing this Agreement, Customer grants to OUC permission to share information concerning the location of the Environmental Attributes sold to OUC by Customer under this Agreement to other Utilities, Municipalities, Cooperatives and other entities that may be involved with the transaction of Environmental Attributes for the limited purpose of ensuring that the Environmental Attributes associated with the Customer's solar system have not been sold to another entity and to meet the reporting requirements of FPSC Rule 25-6.065.
- q) Customer acknowledges that as a Municipal Utility, OUC is required to provide public information on the location and size of the solar system(s) to both public and private entities upon written request unless the solar customer is otherwise exempt.
- r) OUC will own, read, and maintain the solar system(s) meter(s).
- s) During normal business hours, Customer hereby grants to OUC, it's employees, agents, and contractors a non-exclusive license of free access to all areas where solar system meter(s) are installed for any purpose necessary or appropriate to allow OUC to exercise any rights secured to or performance of any obligations imposed by this Agreement.



IN WITNESS WHEREOF, Customer and OUC executed this Agreement which is effective on the date last signed below.

| Date: 6.24.14  | By: Board of County Commissioners  By: Alica County Teresa Jacobs  Orange County Mayor   |
|--|--|
| Date: <b>JUN 2 4 2014</b>  | ATTEST: Martha O. Haynie, County Comptroller as Clerk of the Board of County Complissioners  By: Atil Deputy Clerk   |
| STATE OF FLORIDA COUNTY OF ORANGE  The foregoing instrument was acknowledged before me the By Op. 1 Halchandani . He is persona as identification. | Ily known to me or has produced  |
| (Notarial Seal)  KATHERINE A. HEARD MY COMMISSION # FF 64 1553 EXPIRES: November 14, 2017 Bondot Thru Budget Notary Services                       | Notary Public, State of Florida  Print Name:   ### Attended The Attend |



Attorney for OUC

ORLANDO UTILNIES COMMISSION: By: Elizabeth M. Mason By: Kenneth P. Ksionek Title: Assistant Secretary Title: General Manager and CEO Date: 5-14-14 STATE OF FLORIDA COUNTY OF ORANGE The foregoing instrument was acknowledged before me this \( \frac{\frac{1}{20}}{20} \) by KENNETH P. KSIONEK, as General Manager & CEO of Orlando Utilities Commission, a municipal utility chartered under the laws of the State of Florida, on behalf of the Commission. He is personally known to me or has produced Pouscual Kucuz as identification. (Notarial Seal) KATHLEEN L PLAJSTEK MY COMMISSION # EE 164576 EXPIRES: April 19, 2016
nded Thru Notary Public Underwriters Notary Public, State of Florida Print Name: \_\_\_\_\_ Form of Execution of the foregoing Agreement is hereby approved:

5/1-1/14



### **Exhibit A Interconnection Application and Compliance Form** For Photovoltalc Systems Up to 2 MW

| **Modifies Address: 2500 U. COUNTY N. 32 804  Street Address: 2500 U. COUNTY N. 32 804  Street Address: 250 U. COUNTY SEERIF-COPPLE  **Contact Name: GLUS FINANCE  **Email: Email: Ema       | and a manner of the state of th |               |
|--|--|---------------|
| **Mailing Address: 2500 U. CODNAL C.  **City, State & Zip: DELANZO, SU: 32804  Street Address: (fl different from above):  City, State & Zip: DELANZO, SU: 32804  Street Address: (fl different from above):  Deytime Phone: 407 254 19472   |  |               |
| City, State & Zip:  "Optione Phone: 107 254 9472 sat:  "Email:  "Email: Email:        | Company Harne: CRANGE CTY SHEK INTO CONFICE DUC Account No.: 982361 0001   |               |
| Street Address (If different from above):  City, State & Jip:  "Duytine Phone:  "Option Phone:  "Option Phone:  "Option Phone:  "System Name/Model: Orlande County Stiesair-Coppic  "Array Oc Power at STC (Wester) 88,600  "SSEC Design Raview Approvel No.; MIO-19-01018-CRT  Ilst Manufacture/Model: Orlande County Stiesair-Coppic  "Array Oc Power at STC (Wester) 88,600  "Inverted SOLECTRIA PVI-13.5 Batteries (If applicable):  "Annual Control Phone:  "System Location:  ROOF OVER TACTICAL VEHICLE SHARKING:  "Inverted SOLECTRIA PVI-13.5 Batteries (If applicable):  "System Location:  ROOF OVER TACTICAL VEHICLE SHARKING:  "Inverted SOLECTRIA PVI-13.5 Batteries (If applicable):  "System Location:  ROOF OVER TACTICAL VEHICLE SHARKING:  "Inverted SOLECTRIA PVI-13.5 Batteries (If applicable):  "System Location:  ROOF OVER TACTICAL VEHICLE SHARKING:  "Inverted Solectria PVI-14 DOM LOCATED BESIND METER LOATION  "ACT Disconnect Location:  "Address:  SINSTALA RIDGE CONTRACTOR NATIONAL SELECTRIA PVI-13.5 Batteries (If applicable):  "Interest Silving Control Recommended States (Inverted Solectria PVI-14 DOM LOCATED BESIND METER LOATION  "Address:  SINSTALA RIDGE CONTRACTOR NATIONAL SELECTRIA PVI-13.5 Batteries (If applicable):  "Address:  "Address:  SINSTALA RIDGE CONTRACTOR NATIONAL SELECTRIA PVI-13.5 Batteries (If applicable):  "Address:  "Address:  "Address:  SINSTALA RIDGE CONTRACTOR NATIONAL SELECTRIA PVI-13.5 Batteries (If applicable):  "Address:  "Address:  "Address:  "Address:  "Address:  "AD INSTALA RIDGE CONTRACTOR NATIONAL PVI-13.5 Batteries (If applicable):  "Address:  "Address:  "Address:  "Address:  "Address:  "Address:  "Address:  "AD INSTALA RIDGE CONTRACTOR NATIONAL PVI-13.5 Batteries (If applicable):  "Address:       |  |               |
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| *System Name/Addet: ORANGE COUNTY SHERRIFEOFFICE  *Array DC Power at STC (Wests) B8,000  *FSEC Design Review Approval No.; WO-13-010TB-CRT  ISIS Manufacture/Model No. for:  *Modules: SHARP NO240-QCJ  *Inverted: BCLECTRIA PV-13.3 Batteries (if epplicable):  *System Location: ROOF OVER TACTICAL VEHICLE-PARKING:  *Inverted: BCLECTRIA PV-13.3 Batteries (if epplicable):  *System Location: ROOF OVER TACTICAL VEHICLE-PARKING:  *Inverted: BCLECTRIA PV-13.3 Batteries (if epplicable):  *System Location: ROOF OVER TACTICAL VEHICLE-PARKING:  *Inverted: BCLECTRIA PV-13.3 Batteries (if epplicable):  *PL License No.: PLAN ROOM LOCATED BERIND METER LOATION  *ACDISCONITION ROOM REPORT REPORT OF REPORT ROOM REP       | and the same of th | 31            |
| *System Name/Model: ORANGE COUNTY Shierds SOFFICE  *Array DC Power at STC (Wests) 88,000   | Posytime Phone: 107 254 - 1412 Feet: Email:  |               |
| *Array DC Power at STC (Wetts) 88,800 "FSEC Design Review Approved No.: WIO-13-01018-CRT Ilst Manufacturer/Model No. for: *Modules: SHARP NO240-OCJ 'Inverted: BOLECTRIA Pul-13.3 Batteries (if applicable): *System Location: ROOF OVER TACTICAL VSHICLE?*ARKING 'Inverter Location: PLAN ROOM LOCATED BEHIND METER LOATION *AC Disconnect Location: DIRECTLY BELOW ARRAY ON WALL FACING WEST COLONIAL.  C. INSTACTORS CONTRACTOR INTERCECTOR *Investalisation Contractor Name: SUMWORKS SOLAR BYSTEMS; INC. *PL License No.: CYC56661 *Instalisation Contractor Name: SUMWORKS SOLAR BYSTEMS; INC. *PL License No.: CYC56661 *Address: 5191 SHAWLAND RD *City, State & Zip: JACKSON/NELE, FLORIDA \$2254 *Dayting Phone: 904-731-2069 Fel; 504-731-1847 **Email: JASON/SMITHQBIJMWORKSSOLAR.COM Proposed Installation Date: 820/2018  D. PINISHAY-SIC CASP PISS FALL AREA CYCREMENTS  1. The system hardware is in compliance with Underlyffers Laboratories (UI) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photovokials Systems and UL 1708, Standard for Safety: First-Plate Photovokials Medules and Panels.  2. The system has been installed in compliance with Underlyffers Laboratories (UI) Standard 1741-2005, Standard Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and logal building codes. As Installed, the system meets the technical requirements of the OUC Interconnection Requirements.  S. All menufacturers' werrantles and inflext, and till propting installation has been permitted and passed inspection.  *Signed (Contractor): **Date: 1001/2019 **Company: **SUNCORR SOURCES (SAFE)** **Date: 1001/2019 **Supress Acid Courter Statem Para System Varrantly Informatics, and an appeal on manual. I have read and agree to comply with DUC's inverconnection Requirements attached height of Appointma, Also, they been instructed in the operation of the system.  **Supress Acid Courter Statements**  **Company: **SUNCORR SOURCES (SAFE)**  **Company: **SUNCORR SOURCES (SAFE)**  **Company: **SUNC      |  |               |
| LIST Manufacturer/Model No. for:  *Modulas: SHARP NOZADGG.  *Inverted: SOLECTRIA PV-13.5  *System Location: ROOF OVER TACTICAL VEHICLE*PARKING  *Inverter Location: PAN ROOM LOCATED SERIND METER LOATION  *AC Disconnect Location: DIRECTILY BELOW ARRAY DN WALL FACANG WEST COLONIAL.  LINETALIZATION CONTROL NATIONAL STREET LOAD ASSESSMENT OF THE STREET LOAD ASSESSMENT        |  |               |
| *Modulas: SHARP NO2ACQCJ *[Inverted: SCLEOTRIA PVI-13.5 Battaries (if applicable):  *System Location: ROOF OVER TACTICAL VEHICLE PARKING *Inverter Location: PLAN ROOM LOCATED SERIND METER LOATION  *AC Disconnect Location: DIRECTLY BELOW ARRAY ON WALL FACENG WEST COLONIAL.  **Enstruction: Contractor Name: SUNWORKS SOLAR SYSTEMS; INC. **FLicense No.: CYC55681  *Address: 5191 SHAWLAND RD  **Othy, State & Zip: JACKSONWILLE, FLORIDA 32264  **Deytime Phone: 904-731-2089 Feb. 904-731-1847 **Email: JASON SMITH@SUNWORKSSOLAR.COM  *Proposed Installation Date: \$2202018  **D. HANDWEST 4-3 DISTALLATION (OCCUPANT)  **In system hardware is in compliance with Underprifers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photosocitals Systems and UL 1703, Standard for Safety: Firt-Plate Photosocitals Modules and Painels.  2. The system has been installed in compliance with Underprifers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photosocitals Systems in Electrical Code (NEC), and local building codes. As Installed, the system meets the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' werranties as an effect, and the presentation has been permitted and passed inspection.  *Signed Contractor): **Company: **SUNCOME BOARD INTERCEDIAL**  **Company: **SUNCOME BOARD INTE      | *Array DC Power at STC (Watts) 86,800 *FSEC Design Raview Approvel No.: WO-13-01018-CRT  |               |
| *System Location: PLAN ROOM LOCATED BEHIND METER LOATION *AC Disconnect Location: DIRECTLY BELOW ARRAY ON WALL FACING WEST COLONIAL **CHINESTRA FASTOS FOON FRANCES NO METER LOATION **ACRES: \$191 SHAWAAND RO **Acres: \$191 SHAWAAND RO **City, State & Zip: JACKSONVILLE, FLORIDA \$2254 **Daytime Phone: \$04-731-208 **Polytime Phone: \$04-731-208 **Proposed Installation Date: \$2202018 **D. HANDER SHE SAN DISTALLATION CONDITIONS **In the system hardware is in compliance with Underlyffers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photowoltaic Systems and UL 1708, Standard for Safety: First-Plate Photowoltaic Modules and Painels. **2. The system has been installed in compliance with Underlyffers Laboratories (UL) Standard for Safety: First-Plate Photowoltaic Modules and Painels. *2. The system has been installed in compliance with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC interconnection Requirements.  *3. All manufacturers' werranties as in effect, and this system less been permitted and passed inspection. *5Igned (Contractor): **Date: 10/01/2019 **Name (Print): DATE: 4 Appendix Also, there been instructed in the operation of the system. **Signed (Contractor): **Date: 01/04/2014 **Company: **Submonus source systems. **Date: 01/04/2014 **Company: **Date: 01/04/2014 **Company: **Date: 01/04/2014 **Company: **Submonus source systems. **Date: 01/04/2014 **Company: 01/ |  |               |
| **PLICENSE NO.: CVCS6661  **Institution Contractor Name: SURWORKS SOLAR SYSTEMS; INC.  **PLICENSE NO.: CVCS6661  **Institution Contractor Name: SURWORKS SOLAR SYSTEMS; INC.  **PLICENSE NO.: CVCS6661  **Address: 5191 SHAWLAND RD  **City, State & Zip: JACKSONYILLE, FLORIDA 52254  **Optime Phone: 904-731-2069  **Proposed Installation Date: \$2202018  **Deptime Phone: 904-731-2069  **Proposed Installation Date: \$2202018  **D. HOUNDAY-ZEE CAST SISTALLATION CONTRIBUTION  I. The system hardware is in compliance with Under refers Laboratories (UL) Standard for Safety: Fire-Plate Photovoltale Medules and Panels.  2. The system has been installed in compliance with IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As Installed, the system ments the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' worranties and in effect, and the promphetalish in his been permitted and passed inspection.  **Signed (Contractor):  **Company: **Standard South Protections**  **Installed (Contractor):  **Company: **Standard South Protections**  **Installed (Contractor):  **Date: 10/01/2018  **Company: **Standard South Protections**  **Plate: 10/01/2018  **Company: **Standard South Protections**  **Plate: 10/01/2018  **Company: **Standard South Protections**  **Plate: 01/01/2018  **Company: **Standard South Protections**  **Date: 01/01/2018     | *Modules: SHARP NO240-QCJ *Inverted: SOLECTRIA PVI-13.3 Batteries (if applicable):   |               |
| *Installation Contractor Name: SURWORKS SOLAR SYSTEMS; INC.  *FLLicense No.: CYCSSSST  *Acidress: 5191 SHAWLAND RD  *City, State & Zip: JACKSONWILLE, FLORIDA \$2254  *City, State & Zip: JACKSONWILLE, FLORIDA \$2254  *Proposad Installation Dete: 8/20/2018  *Proposad Installation Dete: 8/20/2018  *In Have Noted Card First Administration (Confidence of the United Proposad Installation Dete: 8/20/2018  *In Have Noted Card First Administration (Confidence of the United Proposad Installation Dete: 8/20/2018  *In Have Noted Card First Administration (Confidence of the United Proposad Installation Dete: 8/20/2018  *In Have Noted Installation (Confidence of the United Proposad Installation Instal     | *System Location: ROOF OVER TACTICAL VEHICLE PARKING: *Inverter Location: PLAN ROOM LOCATED BEHIND M   | METER LOATION |
| *Installation Contractor Name; SUNWORKS SOLAR SYSTEMS; INC.  *PL License No.; CVCSSSS1  *Address: 5191 SHAWLAND RD  *City, State & Zip: JACKSON/RLE, FLORIDA 32251  *Deyting Phone: 904-731-209  *Proposed Installation Date: 820/2018  DI HAMILANDE CLUB SIDES (ACCIDENTATION COMMENTATION COMMENTS COMMENTATION COMMENTATION COMMENTS COMMENTATION COMMENTS        | *AC Disconnect Location: DIRECTLY BELOW ARRAY ON WALL FACING WEST COLONIAL   |               |
| *Address: 5191 SHAWLAND RD *City, State & Zip: JACKSCNVILLE, FLORIDA 32254 *Deytime Phone: 804-731-2099 *Proposed Installation Date: 82202018  D. Harrick State & Zip: JACKSCNVILLE, FLORIDA 32254  D. Harrick State & Zip: JACKSCNVILLE, FLORIDA 32254  D. Harrick State & Compliance with Underpripers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllars for Use in Photovoltaic Systems and UL 1708, Standard for Safety: Firt-Plate Photovoltaic Modules and Panels.  2. The system has been installed in compliance with ULI 1708, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Cole (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC Interconnection Requirements.  S. All manufacturers' wereardies as in effect, and the system installation has been permitted and passed inspection.  *Signed (Contractor):  **Date: 1001/2018  **Name (Print): DAVID In Sept.  **Company: **Abmones sourcewassia.mo. **Permit No. SLDC2013-02878  I have been given system warrantly information, and an inperation manual. I have read and agree to comply with DUC's interconnection Requirements attached helpfl (a) Appendit Also, they been instructed in the operation of the system.  **Signed (Course):  **United Also (Company): **Date: 01 06 2014.  2. Satisfies OUC Interconnection Requirements  OUC Representative Signature:  Dute: 01 06 2014.  2. Satisfies Ouc Interconnection Requirements  OUC Representative Signature:  Dute: 01 06 2014.   |  |               |
| *City, State & Zip: JACKSON/NLE, FLORIDA \$2254  *Deytime Phone: 904-731-2099 Feb. 904-731-1847 *Email: JASON/SMITH@SUNWORKSSOLAR.COM  Proposed Installation Date: 820/2018  2. The system hardware is in compliance with Underlyfipers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and  Charge Controllers for Use in Photovoltaic Systems and UL 1703, Standard for Safety: Fist-Piete Photovoltaic Modules and Panels.  2. The system has been installed in compliance with IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As Installed, the system meets the tachnical requirements of the OUC Interconnection Requirements.  5. All manufacturers' werrantles and effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Name (Print): DAVID H. SASTH  **Company: «Limited and agree to comply with DUC's interconnection Requirements attached helpfl at Appendix Also, Tory Deen Instructed in the operation of the system.  *Signed (Owner):  **Signed (Owner):  *      | *Installation Contractor Name: SUNWORKS SOLAR SYSTEMS, INC. *FL License No.: CYCSSSS1  |               |
| Proposed Installation Date: 872/2018  D. HAMPY SEC 433 DE FALLATION COMPRIANT  1. The system hardware is in compliance with Underpripers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic System and UL 1708, Standard for Safety: Firt-Plate Photovoltaic Modules and Panels.  2. The system has been installed in compliance with tEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' werrantles as in effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Company: **SUMMORGE SOLUTION (1982)**  I have been given system verrantly information, as an apperation manual, I have read and agree to comply with DUC's interconnection Requirements attached height a Aspendithy Also, they been instructed in the operation of the system.  *Signed (Owner):  **Out Representative Name (Print):  QUIC Representative Name (Print):  QUIC Representative Signature:   | *Address: 5191 SHAWLAND RD   |               |
| Proposed Installation Date: 872/2018  D. HAMPY SEC 433 DE FALLATION COMPRIANT  1. The system hardware is in compliance with Underpripers Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic System and UL 1708, Standard for Safety: Firt-Plate Photovoltaic Modules and Panels.  2. The system has been installed in compliance with tEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' werrantles as in effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Company: **SUMMORGE SOLUTION (1982)**  I have been given system verrantly information, as an apperation manual, I have read and agree to comply with DUC's interconnection Requirements attached height a Aspendithy Also, they been instructed in the operation of the system.  *Signed (Owner):  **Out Representative Name (Print):  QUIC Representative Name (Print):  QUIC Representative Signature:   | *City, State & Zip: JACKSON/BLE, FLORIDA \$2254  |               |
| D. HARDOVARIE GAID DISTALLATION (CO-MENDE)  1. The system hardware is in compliance with Underlyfiters Laboratories (UL) Standard 1741-2005, Standard for Static inverters and Charge Controllers for Use in Photovoltaic Systems and UL 1703, Standard for Safety: Fist-Pists Photovoltaic Modules and Panels.  2. The system has been installed in compliance with IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' wearranties as an effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Page (Contractor):  **Page (Print): DAVID H. Serth  **Company: **SUMMONIA BOOK SYSTEM AND SUDCEO13-02878**  I have been system verrapty information, and in permitted manual. I have read and agree to comply with DUC's interconnection Requirements attached helps of Aspendix (Also,) they been instructed in the operation of the system.  **Signed (Owner):  **Unitary Approval**  2. Satisfies OUC Interconnection Requirements  OUC Representative Name (Print):  **Company: **Date: **Date       |  | MOO.RAJOBE    |
| D. HARDWARE CAND DISTALLATION COMMENTED  1. The system hardware is in compliance with Underpriters Laboratories (UL) Standard 1741-2005, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems and UL 1703, Standard for Safety: Firt-Pists Photovoltaic Modules and Panels.  2. The system has been installed in compliance with EEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' wearranties as an effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Panel: 10/01/2019  *Name (Print): DAVID H. Serth  **Company: SUMMORIA SCANDARD (INSTALLATION)  **Company: SUM       | Proposed Installation Date: 8/20/2018  |               |
| Charge Controllers for Use in Photovoltaic Systems and UL 1703, Standard for Safety: Firt-Plate Photovoltaic Modules and Panels.  2. The system has been installed in compliance with IEEE 25A7, Standard for interconnecting Distributed Resources with: Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system ments the technical requirements of the OUC Interconnection Requirements.  5. All manufacturers' werrantles as an effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  *Name (Print): DAVID H. SWITH  *Company:        |  |               |
| 2. The system has been installed in compliance with IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system ments the technical requirements of the OUC interconnection Requirements.  5. All manufacturers' werranties as an effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  **Page: 10/01/2018  **Company: **Company: **Summarise, and. **Permit No. 8LDC2013-02878  **Company: **Summarise accompany: **Summarise, and. **Permit No. 8LDC2013-02878  **Company: **Summarise accompany with DUC's interconnection Requirements attached helpfl at Appendix a Also, (they been instructed in the operation of the system.  **Signed (Owner):  **Company: **Date: 01/06/2514  **Company: **Date: 01/06/2514  **Company: **Date: 01/06/2514  **Date: 01/06/25       | 1. The system hardware is in compliance with Underlyifters Laboratories (UL) Standard 1741-2005, Standard for Static Inve  | rbers and     |
| Systems the currently adopted National Electrical Code (NEC), and local building codes. As installed, the system meets the technical requirements of the OLIC Interconnection Requirements.  5. All manufacturers' werrantles as in effect, and this system installation has been permitted and passed inspection.  *Signed (Contractor):  *Plate: 10/01/2013  *Company: **Summons sourcements are "Permit No. BLDC2013-02878  *Company: **Summons sourcements are read and agree to comply with DUC's interconnection Requirements attached helpful at Aspending Also, they been instructed in the operation of the system.  *Signed (Owner):  *Date: 01/06/2514  *Contractor of the contraction Requirements  OUC Representative Name (Print): Pauline fundaments  OUC Representative Signature:  *Condition of the system.  *Date: 01/06/2514  *Date: 01/06/2514  *Contractor of the system.  *Date: 01/06/2514  *Date: 01/06/2514  *Date: 01/06/2514  *Date: 01/06/2514  *Contractor of the system.  *Date: 01/06/2514  *Date: 01/06/2514  *Date: 01/06/2514  *Date: 01/06/2514  *Contractor of the system.  *Date: 01/06/2514  *Date: 01/06/2514  *Contractor of the system.  *Date: 01/06/2514  *Date: 01/06/2514  *Contractor of the system.  *Contractor of the system.  *Contractor of the system.  *Date: 01/06/2514  *Contractor of the system.  *Contractor of the system.  *Contractor of the system.  *Date: 01/06/2514  *Contractor of the system.  *Contractor of the system       | Charge Controllers for Use in Photovoltaic Systems and UL 1703, Standard for Safety: Firt-Plate Photovoltaic Modules an  | d Panels.     |
| requirements of the OUC Interconnection Requirements.  5. All manufacturers' werranties as in effect, and tile system tests listion has been permitted and passed inspection.  *Signed (Contractor):  **Paste: 10/01/2018  *Company: **SAMORRO BOULEMANT NO. **Permit No. **SLOC2013-02878  **Benne (Print): DAVID H. SATH  **Company: **SAMORRO BOULEMANT NO. **Permit No. **SLOC2013-02878  I have been given system warranty information, and in operation manual. I have read and agree to comply with DDC's interconnection Requirements attached helpfl at Appendix Also, they been instructed in the operation of the system.  **Signed (Owner):  **Date: 01/06/2614  **Date: 01/06/2614  CUIC Representative Name (Print): Pauline Furface  **Dute: 01/06/2614  **Date: 01/06/2614   | 2. The system has been installed in compliance with IEEE 1547, Standard for Interconnecting Distribilited Resources with Ele   | ectric Power  |
| requirements of the OUC Interconnection Requirements.  5. All manufacturers' werranties as in effect, and tile system tests listion has been permitted and passed inspection.  *Signed (Contractor):  **Paste: 10/01/2018  *Company: **SAMORRO BOULEMANT NO. **Permit No. **SLOC2013-02878  **Benne (Print): DAVID H. SATH  **Company: **SAMORRO BOULEMANT NO. **Permit No. **SLOC2013-02878  I have been given system warranty information, and in operation manual. I have read and agree to comply with DDC's interconnection Requirements attached helpfl at Appendix Also, they been instructed in the operation of the system.  **Signed (Owner):  **Date: 01/06/2614  **Date: 01/06/2614  CUIC Representative Name (Print): Pauline Furface  **Dute: 01/06/2614  **Date: 01/06/2614   |  |               |
| *Signed (Contractor):  *Name (Print): DAVID It. SATH  *Company: SUMMOND SOLVESTED AND PROPERTY SUMMOND SOLVESTED AND PRINTED A       | requirements of the OUC interconnection Requirements.  |               |
| *Name (Print): DAVID H. SONTH  *Company: *SUMMERS AND CONTROL OF THE PROPERTY        | 5. All manufacturers' warranties and in effect, and this system installation has been permitted and passed inspection.   |               |
| I have been given system warranty information, and in operation manual. I have read and agree to comply with DDC's interconnection Requirements attached helpful of Appendix Also, have been instructed in the operation of the system.  *Signed (Owner):  **Signed (Owner):  **Signed (Owner):  **Oute:  **       | *Signed (Contractor): *Date: 10/01/2018  |               |
| I have been given system warranty information, and an operation manual. I have read and agree to comply with OUC's interconnection Requirements attached helpful at Aspentific Also, (helpful been instructed in the operation of the system.  *Signed (Owner):  **Content Alento A       | Name (Print): DAVID H. SATH *Company: SLAMOND SCLAR STREET, NO. SLDC2  | 013-02673     |
| Requirements attached heleft a Appendix Also, they been instructed in the operation of the system.  *Signed (Owner):  *Date: 01/06/2014  2. Satisfies OUC Interconnection Requirements  OUC Représentative Name (Print): Pauline Furface  OUC Représentative Signature:  2. Satisfies Code Requirements  | F. OWNER ACKNOWLEDGEMENT   |               |
| *Signed (Owner):  1. Satisfies OUC Interconnection Requirements  OUC Représentative Name (Print): Pauline furture  CUC Représentative Signature:  2. Satisfies Code Requirements  Tautil 1. Satisfies Code Requirements  | I have been given system warrapty information, and an operation manual. I have read and agree to comply with DUC's inte  | rconnection   |
| 2. Satisfies OUC Interconnection Requirements  OUC Représentative Name (Print): Pauline Furfaco  OUC Représentative Signature; Pauline Furfaco  Date: 1/13/14  2. Satisfies Code Requirements  |  | A14           |
| 1. Satisfies OUC Interconnection Requirements OUC Représentative Name (Print): Pauline Furforo OUC Représentative Signature; Pauline Furforo Date: 1/13/14 2. Satisfies Code Requirements  |  |               |
| OUC Représentative Name (Print): <u>Pauline</u> furfaco  OUC Representative Signature: <u>Pauline</u> furfaco  Date: 1/13/14  2. Satisfies Code Requirements   |  |               |
| OUC Representative Signature: Poulaire Funçaire Date: 1/13/14  2. Satisfies Code Requirements  |  |               |
| 2. Satisfies Code Requirements   |  | 714           |
|  |  |               |
| hisherm veine funith   | 1 A.J. 25 / A. ME 7/   | 111           |
| Inspector Signature: Date:   |  |               |
| † All areas designated with an * are required. The application will extormatically be returned if incomplete.  |  |               |