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December 11, 2024

Ms. Shannon Hudson
Chief of Economic Impact & Rate Design
Florida Public Service Commission
Bureau of Electric Regulation
Division of Electric and Gas
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Dear Ms. Hudson:

Orlando Utilities Commission ("OUC") hereby submits for your review tariff changes to its net metering for customer-owned renewable generation (now called TruNet Solar), interconnection application, and electric line extension policy. On December 10, 2024, OUC staff presented these proposed changes to the Orlando Utilities Commission Board and they were subsequently adopted. The new interconnection application will be effective January 1, 2025, TruNet Solar will be effective July 1, 2025, and the electric line extension policy will be effective January 1, 2026.

OUC is also submitting the associated changes to the utility tariffs for the City of St. Cloud ("St. Cloud"). The proposed effective dates are the same as OUC with the interconnection application effective January 1, 2025, TruNet Solar effective July 1, 2025, and the electric line extension policy effective January 1, 2026.

TruNet Solar & Interconnection Application

OUC Tariff Sheet Nos. 3.500, 6.501 and 6.504
St. Cloud Tariff Sheet Nos. 5.50, 8.501 and 8.504

TruNet Solar modifies the billing methodology as described in the current net metering policy. All energy delivered by OUC to the customer will be billed at the otherwise applicable full retail rate. Customers with an interconnection application submitted prior to July 1, 2025, will be credited at their applicable retail rate for any energy exported to the grid through June 30, 2025, and the applicable levelized retail fuel rate thereafter. All other customers will be credited at the community solar rate

ORLANDO UTILITIES COMMISSION

Ms. Shannon Hudson

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through June 30, 2030, and the applicable levelized retail fuel rate thereafter. In addition, to reduce customers' costs associated with interconnecting to OUC's grid, the interconnection application is being revised to allow for the use of meter collars.

Electric Line Extension Policy

OUC Tariff Sheet No. 3.020

St. Cloud Tariff Sheet No. 5.02

The required contribution in aid of construction in instances where natural gas services are made available will sunset effective January 1, 2026.

The revised tariff sheets in legislative form and final form are attached. If you have any questions, please do not hesitate to call David Herrick, Supervisor, Corporate Analytics and Planning, at (407) 434-2473.

Sincerely,

A handwritten signature in black ink, appearing to be 'W. Browder', with a long horizontal line extending to the right.

W. Christopher Browder
Chief Legal Officer
Enclosures

CC: Mr. Clint Bullock
Ms. Mindy Brenay
Mr. Chris McCullion
Ms. Veronica Miller

OUC Electric
Final Form

TruNet Solar FOR CUSTOMER-OWNED RENEWABLE GENERATION

For customers with renewable generation equipment that have **completed the interconnection application process** with Orlando Utilities Commission ("OUC") and whose customer-owned renewable generation is eligible for net metering as defined by FPSC rule 25-6.065. Monthly billing will be prepared in the following manner:

- (1) At no additional cost to the customer, metering equipment will be installed by OUC capable of measuring the **energy** supplied to the customer **by OUC** and the **energy** delivered **by the customer** to OUC's electric grid.
- (2) Meter readings will be taken monthly on the same cycle as required under the otherwise applicable rate schedule in accordance with normal billing practices.
- (3) OUC will charge the customer for **all energy delivered by OUC** to the customer in accordance with the otherwise applicable rate schedule.
- (4) **OUC will credit the customer for energy supplied by the customer to OUC during the billing cycle. The credit rate shall be determined as follows:**
 - (a) For customers that have submitted a complete interconnection application to OUC for their applicable premises prior to July 1, 2025:
 - i. The credit rate per kWh until June 30, 2045, shall equal the Non-Fuel Base and Fuel Charge as prescribed in paragraph (3).
 1. For residential customers the Non-Fuel Base Charge shall not include the conservation adder for all additional kWh over 1,000. This is not applicable to Commercial and Industrial customers.
 2. For customers whose otherwise applicable rate schedule is a time of use ("TOU") or time of day ("TOD") rate, the energy supplied by the customer to the OUC grid will be measured by the distinct TOU/TOD time periods for that rate schedule.
 - ii. After June 30, 2045, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.
 - (b) For all other customers, until June 30, 2030, the credit rate per kWh shall equal the Community Solar Energy Rate as shown on Sheet No. 5.925. Beginning on July 1, 2030, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.

Continued From Sheet No. 6.500

APPENDIX A
INTERCONNECTION REQUIREMENTS FOR ALL
RENEWABLE GENERATION SYSTEMS 2 MW AND LESS

A. Definitions

1. "Customer-owned renewable generation system" (RGS) means an electric generating system located on a customer's premise that is designed to offset part or no more than all of the customer's annual electric energy (kWh) requirements with renewable energy at such premise. The term "customer-owned renewable generation" does not preclude the customer of record from contracting for the purchase, lease, operation, or maintenance of an on-site renewable generation system with a third-party under terms and conditions that do not include the retail purchase of electricity from the third-party.
2. "Gross Power Rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generating system that will be interconnected to and operate in parallel with the 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.
 - a. Tier 1 - 10 kW or less
 - b. Tier 2 - greater than 10 kW and less than or equal to 100 kW
 - c. Tier 3 - greater than 100 kW and less than or equal to 2 MW.
3. "Renewable energy", as defined in Section 377.803, Florida Statutes, means electrical, mechanical, or thermal energy produced from a method 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.
4. Photovoltaic (PV) system is a solar electric generator. The array rating is under standard operating conditions (SOC) of 1,000 watts/m² solar irradiance, nominal operating cell temperature, air mass 1.5, and ASTM standard solar spectrum.
5. Inverter, also referred to as a power conditioner, is a DC to AC device that converts PV energy to AC energy for utility interconnection. The inverter contains many control functions, such as voltage and frequency monitoring and protection against islanding.
6. **"Meter Collar" refers to any device that is inserted between the OUC electric meter and the customer meter socket**

B. Application Fees

The customer shall pay the following applicable application fee for this customer owned renewable generation system interconnection:

- | | |
|-----------|------------|
| a. Tier 1 | no charge |
| b. Tier 2 | \$340.00 |
| c. Tier 3 | \$1,300.00 |

C. Standards and Codes

1. Inverters, PV Modules and Panels
 - a. Inverter(s) must be listed and in compliance with Underwriters Laboratories (UL) Subject 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems. Utility-interactive inverters that pass the tests of the UL 1741 standard will be, by definition, "non-islanding" inverters and will comply with the IEEE 1547-2018 interconnection standard.
 - b. Multiple inverter units. For multiple inverter units, verification that the photovoltaic system ceases to energize within 0.16 seconds (per IEEE 1547-2018), upon loss of sensed voltage, is required. This is verified with on-site testing.

Continued On Sheet No. 6.502

Continued From Sheet No. 6.503

10. RGS Equipment Protection. It is the responsibility of the Customer to protect its generating equipment, inverters, protection devices, and other system components from damage by the normal conditions and operations that occur on the part of OUC in delivering and restoring system power. The customer is also responsible for ensuring that its RGS equipment is inspected, maintained and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
11. Isolation Transformer. RGS greater than 20 kW must be interconnected to OUC's system through an isolation transformer (other than RGS owner, no other OUC customer is to be served from this transformer).
12. Transfer Trip and Reclose Blocking. For Tier 2 and Tier 3 RGS where the aggregate generation capacity exceeds 15% of the peak load on any automatic reclosing device, OUC requires transfer trip and reclose-blocking on automatic reclosing devices.
13. System Study. Tier 3 RGS's may require a system study. Additional protective devices may be required, as specified in the OUC "Guide for Producer-Owned Generating Interconnections".
14. **Customer Owned Meter Equipment**
 - a. **Only OUC approved meter collars are eligible for installation**
 - b. **The meter collar shall be customer owned, installed and maintained. Upon approval, installation of the meter collar shall occur through the OUC Change of Service Process.**
 - c. **At the time of application, the customer must disclose the manufacturer, make and model number of the meter collar.**
 - d. **Meter collars must not create a safety issue or interfere with OUC equipment or services. Meter collars must be approved prior to installation and meet the latest revisions of the UL 414 safety standard. The meter socket must carry the UL label.**
 - e. **Installation of any non-approved meter collar shall be grounds for OUC to discontinue service until such meter collar is replaced with a meter collar that has been approved or removed. Except in hazardous or emergency circumstances, OUC will allow customer up to 30 days to replace a non-approved meter collar.**
 - f. **OUC shall have no liability for damage to the meter collar or damage resulting from the installation or use of a meter collar.**
 - g. **The addition of a meter collar after interconnection approval is not permitted. Intent to install a meter collar after interconnection approval will require an additional application for interconnection specifically denoting the desire to modify the system to install an approved meter collar.**
15. **Meter Collar Review by OUC**
 - a. **A manufacturer requesting a meter collar product to be reviewed shall provide a request in writing to green@ouc.com**
 - b. **The manufacturer will ship at no cost to OUC, two production samples of the product. Shipping details will be provided to the manufacturer once a request is received.**
 - c. **Manufacturer to provide product literature to include specifications, product make and model, part numbers and installation manual to be reviewed.**
 - d. **Manufacturer to provide any test results for the product.**
 - e. **Once all required documentation and product samples are received, OUC will notify the manufacturer within 60 days of the results of the meter collar review and subsequent authorization or non-authorization to use within OUC service territory.**



ELECTRIC LINE EXTENSION POLICY

The Orlando Utilities Commission (OUC) recognizes that its purpose is to furnish electric service to customers throughout its entire service area and the City of St. Cloud's service area, but reserves the right to require payment when the additional distribution investment is not considered to be beneficial to the overall system or the request is for underground distribution facilities serving a commercial or multi-family residential customer. This contribution in aid of construction (CIAC) payment will be paid, in advance of material ordering and construction, by the party requesting the extension. In the event the project is cancelled prior to construction, OUC will refund the payment less any unrecoverable costs incurred by OUC.

It will be at OUC's discretion whether a customer will be given the option to install the duct bank system. The CIAC payment for the extension of Underground Distribution Facilities will be based on the following:

Offsite duct bank installation	Single family residential	Commercial/Multi-Family
Customer installed	No charge	\$28/kVA
OUC installed	No charge	\$96/kVA

In addition, the customer will pay 23% of OUC's onsite cost for primary cable, splices, transformers, and any other equipment or materials necessary to provide electric service. Any equipment requested by the customer (such as automatic transfer switchgear, redundant transformers, etc...) that is in addition to OUC's design, if approved by OUC, will be 100% chargeable to the customer.

For residential subdivisions a \$580 per lot CIAC payment will required, from the party requesting the extension in advance of material ordering and construction. Such CIAC payment will be refunded to the responsible party if at least 75 percent of the lots within the subdivision or subdivision phase are occupied (with active meters) within three (3) years of installation.

When more than 20 new electric services are requested within a 12-month period and the expected consumption for each new service is less than 100 kWh per month a \$195 CIAC payment per service for all services over 20 within a 12-month period will be required in advance of material ordering and construction by the party requesting the extension(s). This payment is in addition to any other required CIAC payment.

This electric line extension policy will be used as a guideline for all line extensions. Exceptions to this policy can be approved by the Vice President of the Electric and Water Delivery Business Unit for line extensions determined to have significant strategic importance to the future of OUC.

OUC Electric
Legislative Form

NET-TruNet Solar METERING FOR CUSTOMER-OWNED RENEWABLE GENERATION

For customers with renewable generation equipment that have ~~completed the executed an~~ interconnection ~~agreement application process~~ with Orlando Utilities Commission ("OUC") ~~and~~ whose customer-owned renewable generation is eligible for net metering as defined by FPSC rule 25-6.065, ~~Monthly~~ billing will be prepared in the following manner:

- (1) At no additional cost to the customer, metering equipment will be installed by OUC capable of measuring the ~~difference between the electricity~~ **energy** supplied to the customer ~~from by~~ OUC and the ~~energy electricity generated by the customer and~~ delivered **by the customer** to OUC's electric grid.
- (2) Meter readings will be taken monthly on the same cycle as required under the otherwise applicable rate schedule in accordance with normal billing practices.
- (3) OUC will charge the customer for **all energy used delivered by OUC to the by** ~~the customer in excess of the generation supplied by customer owned renewable generation for the entire billing cycle~~ in accordance with the otherwise applicable rate schedule.
- (4) OUC will credit the customer for energy supplied by the customer to OUC during the billing cycle. The credit rate shall be determined as follows:** ~~During any billing cycle excess customer owned renewable generation delivered to OUC's electric grid will be credited to the customer's energy consumption for the next month's billing cycle.~~
 - (a) For customers that have submitted a complete interconnection application to OUC for their applicable premises prior to July 1, 2025:**
 - i. The credit rate per kWh until June 30, 2045, shall equal the Non-Fuel Base and Fuel Charge as prescribed in paragraph (3).**
 - 1. For residential customers the Non-Fuel Base Charge shall not include the conservation adder for all additional kWh over 1,000. This is not applicable to Commercial and Industrial customers.**
 - 2. For customers whose otherwise applicable rate schedule is a time of use ("TOU") or time of day ("TOD") rate, the energy supplied by the customer to the OUC grid will be measured by the distinct TOU/TOD time periods for that rate schedule.**
 - ii. After June 30, 2045, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.**
 - (b) For all other customers, until June 30, 2030, the credit rate per kWh shall equal the Community Solar Energy Rate as shown on Sheet No. 5.925. Beginning on July 1, 2030, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.**

~~(4)~~ —

~~(5)~~ — Regardless of whether excess energy is delivered to OUC's electric grid, the customer will be required to pay the greater of:



- ~~(a) — the minimum charge as stated in their otherwise applicable rate schedule, or~~
- ~~(b) — the applicable monthly customer charge plus the applicable demand charge for the monthly maximum 15-minute demand measured on OUC's usage meter during the billing period in accordance with the otherwise applicable rate schedule.~~
- ~~(6) For customers whose otherwise applicable rate schedule is a time of use (TOU) or time of day (TOD) rate, the generation supplied by customer-owned renewable generation to OUC will be measured by the distinct TOU/TOD periods of that rate schedule and offset customer usage in the current month or subsequent periods using the distinct TOU/TOD periods of that rate schedule.~~

APPENDIX A
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A. Definitions

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2. "Gross Power Rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generating system that will be interconnected to and operate in parallel with the 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.
 - a. Tier 1 - 10 kW or less
 - b. Tier 2 - greater than 10 kW and less than or equal to 100 kW
 - c. Tier 3 - greater than 100 kW and less than or equal to 2 MW.
3. "Renewable energy", as defined in Section 377.803, Florida Statutes, means electrical, mechanical, or thermal energy produced from a method 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.
4. Photovoltaic (PV) system is a solar electric generator. The array rating is under standard operating conditions (SOC) of 1,000 watts/m² solar irradiance, nominal operating cell temperature, air mass 1.5, and ASTM standard solar spectrum.
5. Inverter, also referred to as a power conditioner, is a DC to AC device that converts PV energy to AC energy for utility interconnection. The inverter contains many control functions, such as voltage and frequency monitoring and protection against islanding.

5-6. "Meter Collar" refers to any device that is inserted between the OUC electric meter and the customer meter socket

B. Application Fees

The customer shall pay the following applicable application fee for this customer owned renewable generation system interconnection:

- | | |
|-----------|------------|
| a. Tier 1 | no charge |
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| c. Tier 3 | \$1,300.00 |

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 - a. Inverter(s) must be listed and in compliance with Underwriters Laboratories (UL) Subject 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems. Utility-interactive inverters that pass the tests of the UL 1741 standard will be, by definition, "non-islanding" inverters and will comply with the IEEE 1547-2018 interconnection standard.
 - b. Multiple inverter units. For multiple inverter units, verification that the photovoltaic system ceases to energize within 0.16 seconds (per IEEE 1547-2018), upon loss of sensed voltage, is required. This is verified with on-site testing.



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Orlando Utilities Commission

~~Second-Third~~ Revised Sheet No. 6.501
Canceling ~~Second-First~~ Revised Sheet No. 6.501

Continued On Sheet No. 6.502

Continued From Sheet No. 6.503

10. RGS Equipment Protection. It is the responsibility of the Customer to protect its generating equipment, inverters, protection devices, and other system components from damage by the normal conditions and operations that occur on the part of OUC in delivering and restoring system power. The customer is also responsible for ensuring that its RGS equipment is inspected, maintained and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
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12. Transfer Trip and Reclose Blocking. For Tier 2 and Tier 3 RGS where the aggregate generation capacity exceeds 15% of the peak load on any automatic reclosing device, OUC requires transfer trip and reclose-blocking on automatic reclosing devices.
13. System Study. Tier 3 RGS's may require a system study. Additional protective devices may be required, as specified in the OUC "Guide for Producer-Owned Generating Interconnections".

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- e. Installation of any non-approved meter collar shall be grounds for OUC to discontinue service until such meter collar is replaced with a meter collar that has been approved or removed. Except in hazardous or emergency circumstances, OUC will allow customer up to 30 days to replace a non-approved meter collar.**
- f. OUC shall have no liability for damage to the meter collar or damage resulting from the installation or use of a meter collar.**
- g. The addition of a meter collar after interconnection approval is not permitted. Intent to install a meter collar after interconnection approval will require an additional application for interconnection specifically denoting the desire to modify the system to install an approved meter collar.**

15. Meter Collar Review by OUC

- a. A manufacturer requesting a meter collar product to be reviewed shall provide a request in writing to green@ouc.com**
- b. The manufacturer will ship at no cost to OUC, two production samples of the product. Shipping details will be provided to the manufacturer once a request is received.**
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ELECTRIC LINE EXTENSION POLICY

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~~When gas service is made available to single and multi-family residential facilities a CIAC payment will be added to the aforementioned payments based on the following:~~

- ~~Single family residential \$595/home~~
- ~~Multi-Family residential \$419/unit~~

For residential subdivisions a \$580 per lot CIAC payment will required, from the party requesting the extension in advance of material ordering and construction. Such CIAC payment will be refunded to the responsible party if at least 75 percent of the lots within the subdivision or subdivision phase are occupied (with active meters) within three (3) years of installation.

When more than 20 new electric services are requested within a 12-month period and the expected consumption for each new service is less than 100 kWh per month a \$195 CIAC payment per service for all services over 20 within a 12-month period will be required in advance of material ordering and construction by the party requesting the extension(s). This payment is in addition to any other required CIAC payment.

This electric line extension policy will be used as a guideline for all line extensions. Exceptions to this policy can be approved by the Vice President of the Electric and Water Delivery Business Unit for line extensions determined to have significant strategic importance to the future of OUC.

St. Cloud Electric Final Form

TruNet Solar FOR CUSTOMER-OWNED RENEWABLE GENERATION

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Continued From Sheet No. 8.500

APPENDIX A
INTERCONNECTION REQUIREMENTS FOR ALL
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- | | |
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Continued On Sheet No. 8.502

Continued From Sheet No. 8.503

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- 15. Meter Collar Review by OUC**
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 - c. Manufacturer to provide product literature to include specifications, product make and model, part numbers and installation manual to be reviewed.
 - d. Manufacturer to provide any test results for the product.
 - e. Once all required documentation and product samples are received, OUC will notify the manufacturer within 60 days of the results of the meter collar review and subsequent authorization or non-authorization to use within OUC service territory.



ELECTRIC LINE EXTENSION POLICY

The Orlando Utilities Commission (OUC) recognizes that its purpose is to furnish electric service to customers throughout its entire service area and the City of St. Cloud's service area, but reserves the right to require payment when the additional distribution investment is not considered to be beneficial to the overall system or the request is for underground distribution facilities serving a commercial or multi-family residential customer. This contribution in aid of construction (CIAC) payment will be non-refundable and will be paid, in advance of material ordering and construction, by the party requesting the extension. In the event the project is cancelled prior to construction, OUC will refund the payment less any unrecoverable costs incurred by OUC.

It will be at OUC's discretion whether a customer will be given the option to install the ductbank system. The CIAC payment for the extension of Underground Distribution Facilities will be based on the following:

Offsite ductbank installation	Single family residential	Commercial/Multi-Family
Customer installed	No charge	\$28/kVA
OUC installed	No charge	\$96/kVA

In addition, the customer will pay 23% of OUC's onsite cost for primary cable, splices, transformers, and any other equipment or materials necessary to provide electric service. Any equipment requested by the customer (such as automatic transfer switchgear, redundant transformers, etc...) that is in addition to OUC's design, if approved by OUC, will be 100% chargeable to the customer.

For residential subdivisions a \$580 per lot CIAC payment will be required, from the party requesting the extension in advance of material ordering and construction. Such CIAC payment will be refunded to the responsible party if at least 75 percent of the lots within the subdivision or subdivision phase are occupied (with active meters) within three (3) years of installation.

When more than 20 new electric services are requested within a 12-month period and the expected consumption for each new service is less than 100 kWh per month a \$195 CIAC payment per service for all services over 20 within a 12-month period will be required in advance of material ordering and construction by the party requesting the extension(s). This payment is in addition to any other required CIAC payment.

This electric line extension policy will be used as a guideline for all line extensions. Exceptions to this policy can be approved by the Vice President of the Electric and Water Delivery Business Unit for line extensions determined to have significant strategic importance to the future of OUC.

St. Cloud Electric Legislative Form



NET-METERING TruNet Solar FOR CUSTOMER-OWNED RENEWABLE GENERATION

For customers with renewable generation equipment that have completed the ~~executed an~~ interconnection agreement application process with Orlando Utilities Commission ("OUC") and whose customer-owned renewable generation is eligible for net metering as defined by FPSC rule 25-6.065, ~~monthly~~ Monthly billing will be prepared in the following manner:

~~(1)~~ (1) At no additional cost to the customer, metering equipment will be installed by OUC capable of measuring the difference between the electricity energy supplied to the customer ~~from by~~ OUC and the energy electricity ~~generated by the customer and~~ delivered by the customer to OUC's electric grid.

~~(2)~~ (2) Meter readings will be taken monthly on the same cycle as required under the otherwise applicable rate schedule in accordance with normal billing practices.

~~(3)~~ (3) OUC will charge the customer for all energy used delivered by OUC to ~~the by the~~ customer in excess of the generation supplied by customer owned ~~renewable generation for the entire billing cycle~~ in accordance with the otherwise applicable rate schedule.

(4) OUC will credit the customer for energy supplied by the customer to OUC during the billing cycle. The credit rate shall be determined as follows:

a) For customers that have submitted a complete interconnection application to OUC for their applicable premises prior to July 1, 2025:

(i) The credit rate per kWh until June 30, 2045, shall equal the Non-Fuel Base and Fuel Charge as prescribed in paragraph Error! Reference source not found..

1. For residential customers the Non-Fuel Base Charge shall not include the conservation adder for all additional kWh over 1,000. This is not applicable to Commercial and Industrial customers.

2. For customers whose otherwise applicable rate schedule is a time of use ("TOU") or time of day ("TOD") rate, the energy supplied by the customer to the OUC grid will be measured by the distinct TOU/TOD time periods for that rate schedule.

(ii) After June 30, 2045, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.

b) For all other customers, until June 30, 2030, the credit rate per kWh shall equal the Community Solar Energy Rate as shown on Sheet No. 5.925. Beginning on July 1, 2030, the credit rate per kWh shall equal the levelized Fuel Charge under the otherwise applicable rate schedule.

~~(4) During any billing cycle excess customer owned renewable generation delivered to OUC's electric grid will be credited to the customer's energy consumption for the next month's billing cycle.~~

~~(5) Regardless of whether excess energy is delivered to OUC's electric grid, the customer will be required to pay the greater of:~~



- ~~(a) The minimum charge as stated in their otherwise applicable rate schedule, or~~
- ~~(b) The applicable monthly customer charge plus the applicable demand charge for the monthly maximum 15-minute demand measured on OUC's usage meter during the billing period in accordance with the otherwise applicable rate schedule.~~
- ~~(6) For customers whose otherwise applicable rate schedule is a time of use (TOU) or time of day (TOD) rate, the generation supplied by customer owned renewable generation to OUC will be measured by the distinct TOU/TOD periods of that rate schedule and offset customer usage in the current month or subsequent periods using the distinct TOU/TOD periods of that rate schedule.~~

Continued From Sheet No. 8.500

APPENDIX A
INTERCONNECTION REQUIREMENTS FOR ALL
RENEWABLE GENERATION SYSTEMS 2 MW AND LESS

A. Definitions

1. "Customer-owned renewable generation system" (RGS) means an electric generating system located on a customer's premise that is designed to offset part or no more than all of the customer's annual electric energy (kWh) requirements with renewable energy at such premise. The term "customer-owned renewable generation" does not preclude the customer of record from contracting for the purchase, lease, operation, or maintenance of an on-site renewable generation system with a third-party under terms and conditions that do not include the retail purchase of electricity from the third-party.
2. "Gross Power Rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generating system that will be interconnected to and operate in parallel with the 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.
 - a. Tier 1 - 10 kW or less
 - b. Tier 2 - greater than 10 kW and less than or equal to 100 kW
 - c. Tier 3 - greater than 100 kW and less than or equal to 2 MW.
3. "Renewable energy", as defined in Section 377.803, Florida Statutes, means electrical, mechanical, or thermal energy produced from a method 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.
4. Photovoltaic (PV) system is a solar electric generator. The array rating is under standard operating conditions (SOC) of 1,000 watts/m² solar irradiance, nominal operating cell temperature, air mass 1.5, and ASTM standard solar spectrum.
5. Inverter, also referred to as a power conditioner, is a DC to AC device that converts PV energy to AC energy for utility interconnection. The inverter contains many control functions, such as voltage and frequency monitoring and protection against islanding.
- 6. "Meter Collar" refers to any device that is inserted between the OUC electric meter and the customer meter socket.**

B. Application Fees

The customer shall pay the following applicable application fee for this customer owned renewable generation system interconnection:

- | | |
|-----------|------------|
| a. Tier 1 | no charge |
| b. Tier 2 | \$340.00 |
| c. Tier 3 | \$1,300.00 |

C. Standards and Codes

1. Inverters, PV Modules and Panels
 - a. Inverter(s) must be listed and in compliance with Underwriters Laboratories (UL) Subject 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems. Utility-interactive inverters that pass the tests of the UL 1741 standard will be, by definition, "non-islanding" inverters and will comply with the IEEE 1547-2018 interconnection standard.
 - b. Multiple inverter units. For multiple inverter units, verification that the photovoltaic system ceases to energize within 0.16 seconds (per IEEE 1547-2018), upon loss of sensed voltage, is required. This is verified with on-site testing.



The *Reliable One*® City of St. Cloud

~~Second-Third~~ Revised Sheet No. 8.501
Canceling ~~Second-First~~ Revised Sheet No. 8.501

Continued On Sheet No. 8.502

ISSUED BY: ~~Bill Sturgeon~~Veronica Miller, City Manager

Effective: ~~June 1, 2022~~January 1, 2025

Continued From Sheet No. 8.503

10. RGS Equipment Protection. It is the responsibility of the Customer to protect its generating equipment, inverters, protection devices, and other system components from damage by the normal conditions and operations that occur on the part of OUC in delivering and restoring system power. The customer is also responsible for ensuring that its RGS equipment is inspected, maintained and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
11. Isolation Transformer. RGS greater than 20 kW must be interconnected to OUC's system through an isolation transformer (other than RGS owner, no other OUC customer is to be served from this transformer).
12. Transfer Trip and Reclose Blocking. For Tier 2 and Tier 3 RGS where the aggregate generation capacity exceeds 15% of the peak load on any automatic reclosing device, OUC requires transfer trip and reclose-blocking on automatic reclosing devices.
13. System Study. Tier 3 RGS's may require a system study. Additional protective devices may be required, as specified in the OUC "Guide for Producer-Owned Generating Interconnections".

14. Customer Owned Meter Equipment

- a. Only OUC approved meter collars are eligible for installation**
- b. The meter collar shall be customer owned, installed and maintained. Upon approval, installation of the meter collar shall occur through the OUC Change of Service Process.**
- c. At the time of application, the customer must disclose the manufacturer, make and model number of the meter collar.**
- d. Meter collars must not create a safety issue or interfere with OUC equipment or services. Meter collars must be approved prior to installation and meet the latest revisions of the UL 414 safety standard. The meter socket must carry the UL label.**
- e. Installation of any non-approved meter collar shall be grounds for OUC to discontinue service until such meter collar is replaced with a meter collar that has been approved or removed. Except in hazardous or emergency circumstances, OUC will allow customer up to 30 days to replace a non-approved meter collar.**
- f. OUC shall have no liability for damage to the meter collar or damage resulting from the installation or use of a meter collar.**
- g. The addition of a meter collar after interconnection approval is not permitted. Intent to install a meter collar after interconnection approval will require an additional application for interconnection specifically denoting the desire to modify the system to install an approved meter collar.**

15. Meter Collar Review by OUC

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~~When gas service is made available to single and multi-family residential facilities a CIAC payment will be added to the aforementioned payments based on the following:~~

- ~~Single family residential \$595/home~~
- ~~Multi-Family residential \$419/unit~~

For residential subdivisions a \$580 per lot CIAC payment will be required, from the party requesting the extension in advance of material ordering and construction. Such CIAC payment will be refunded to the responsible party if at least 75 percent of the lots within the subdivision or subdivision phase are occupied (with active meters) within three (3) years of installation.

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