

Virgin Islands Water & Power Authority  
Customer Relations Department  
STANDARD INTERCONNECTION PROCEDURES

**1. Procedure Title: Net Metering For Renewable Energy Facilities**

**2. Introductory Statement:**

Net Metering is available to certified residential or commercial service customers, **on a first-come, first-served basis**, who operates a solar photovoltaic, wind powered, or other renewable energy system producing 10KW or less, and located and used at Customer's primary, legal residence or establishment where a part or all of the electrical requirements of Customer can be supplied from Customer's generating system. The generating system that is connected in parallel operation with service from the Authority and located on Customer's premises must be manufactured, installed, and operated in accordance with governmental and industry standards and capable of providing single phase or three phase electric energy at 60 Hertz.

**Limitation:** The aggregate capacity of Customer-renewable energy facility shall not exceed 5 MW's on the island of St. Croix and shall not exceed 10 MW's collectively on the islands of St. Thomas-St. John.

**3. Who Is Eligible:**

Net Metering is available to (customers-owned) electric residential and small commercial customers who operate Renewable Energy facilities in parallel with the Authority's system and which meet the V.I. Department of Planning and Natural Resources criteria of a Net Metering Facility. This service is limited to those customers whose generation fuel source is entirely derived from renewable resources and who enter into a Net Metering Agreement (NMA) containing the following stipulations:

- Certification by the Department of Planning and Natural Resources of the SPS/SWS and to secure all applicable permits.
- Agree to provide VIWAPA with the equipment specifications identifying and certifying that the SPS/SWS, inverters and associated equipment design, installation and operation adhere to current IEEE-929, IEEE-1547, UL-1741 standards, the National Electric Code, and the International Building Code.
- Agree to indemnify, hold harmless and defend the VIWAPA from and against any and all liability, proceedings, suits, cost or expense for loss, damage or injury to persons or property, including the SPS/SWS System, in any manner directly or indirectly connected with, or growing out of operation of the Customers SPS/SWS, except in those cases where loss occurs due to the negligent actions of the VIWAPA, and in accordance with VIWAPA's Rules and Regulations. The execution of a standard service liability disclaimer in favor of VIWAPA holding for injuries, losses, or damages owing to an interruption of service or variation in service characteristics and which recognizes the customer's responsibility for protecting its generating equipment, inverters, protection devices, and other system components from the normal and abnormal conditions and operations that occur on the VIWAPA electrical system. Customer to agree to allow VIWAPA to affix to their electrical meter base a standard warning and inspection sign that notify its personnel of the existence of the SPS/SWS.
- To be held responsible for ensuring the SPS/SWS equipment is inspected, maintained and tested in accordance with the manufacturer's instructions to ensure the SPS/SWS and associated equipment are operating correctly and safely.
- At customer's expense, install and maintain a manual disconnect switch of the visible load break type to provide a separation point between the AC power output of the SPS/SWS and any customer facilities connected to the VIWAPA electrical system.
- To allow VIWAPA to furnish, install, and maintain metering equipment to measure the kilowatt-hours delivered by VIWAPA to the customer, and if applicable, the kilowatt demand.
- All energy delivered by VIWAPA will be charged at the established (approved) electric rate for that particular class of service. Energy delivered by the customer to VIWAPA will be credited at the retail rate to the customer's electric account on a monthly basis.

- Agree to pay the PSC approved one time non-refundable Net Metering Agreement processing fee of \$25.00
- VIWAPA has the right to disconnect the customer's SPS/SWS at any time. This may result for the following illustrative reasons:
  1. System maintenance, operation and emergency operations.
  2. Hazardous conditions existing on the VIWAPA system as determined by VIWAPA.
  3. Adverse electrical or effects on the electrical equipment of other VIWAPA electric customers as determined by the VIWAPA.

#### **4. How To Apply:**

All Net Metering customers must execute a Net Metering Agreement which specifically allows for;

- Inspection and Certification from the Department of Planning & Natural Resources.
- Completion of a VIWAPA approved form which details information specific to the location.

#### **5. Monthly Billing:**

All Net metering customers shall be billed monthly for energy charges applicable under the currently effective standard rate schedule and any appropriate rider schedules including the Levelized Energy Adjustment Clause, and other clauses as well as surcharges. Under Net Metering, only the kilowatt-hour (kWh) units of a Customer's bill are affected. **No excess energy credits shall reduce any fixed monthly Customer or demand charges, if any.**

If the electricity supplied by the Authority exceeds the electricity generated by the net metering Customer and fed back to the Authority during the billing period, the net metering Customer shall be billed for the net billable kWh's supplied by the Authority in accordance with the rates and charges under the Authority's standard rate schedule applicable to the Customer.

Where the electricity generated by the net metering Customer exceeds the electricity supplied by the Authority, the Customer shall be credited, during the next billing period, for the excess kWhs generation until the end of the calendar year.

At the end of each calendar year, or in the event of termination of service under this Rider, any excess kWh credits, if any, will be granted by the Customer to the Authority without compensation to the Customer. **(See examples below)**

<b>Example #1 : (Normal Billing)</b>	
Kwh delivered by VIWAPA	1,352
Kwh received from Customer	<u>536</u>
Net kwh	<b>816</b>
Billing:	
Customer Chrg (residential)	\$5.00
Cons Chrg @ 0.071317 x <b>816</b> kwh	58.19
PILOT @ 0.001950 x <b>816</b> kwh	1.59
WHB @ 0.0020 x <b>816</b> kwh	1.63
RES LEAC @ 0.192779 x <b>816</b> kwh	<u>157.29</u>
<b>Net Billing</b>	<b>\$223.70</b>

<b>Example #2: (Credit Billing)</b>	
Kwh delivered by VIWAPA	536
Kwh received from Customer	<u>1,352</u>
Net kwh	<b>(816)</b>
Billing:	
Customer Chrg (residential)	\$5.00
Cons Chrg @ 0.071317 x (816) kwh	(58.19)
PILOT @ 0.001950 x (816) kwh	(1.59)
WHB @ 0.0020 x (816) kwh	(1.63)
RES LEAC @ 0.192779 x (816) kwh	<u>(157.29)</u>
<b>Net Billing</b>	<b>\$(213.70)</b>

**6. Metering:**

The Authority shall furnish and install a standard bi-directional or dual register kilowatt-hour meters. The Customer shall provide any and all related interconnection equipment in accordance with the Authority's technical requirements, including safety and performance standards. The Customer shall be responsible for all costs associated with installation of the standard kilowatt-hour meter.

**7. Interconnection Facilities:**

All Customers operating Net Metering facilities shall contract under the terms of a Standard Interconnection Agreement for Net Metering Facilities.