

## **NORTHEAST NEBRASKA PUBLIC POWER DISTRICT Rate Schedule AC-1**

**Effective: For service rendered on and after January 1, 2016**

**SECTION 1 - APPLICABILITY.** Rate Schedule AC-1 applies to Northeast Nebraska Public Power District ("NORTHEAST") Customers that own and operate a non-dispatchable DG Facility, not exceeding a total nameplate rating 25 kW and which is located on the Customer's premises; produces energy mainly for consumption on site; is interconnected and operates in parallel with NORTHEAST Power's existing facilities; and is measured by NORTHEAST at a single metered facility located at the immediate interconnection point of the Customer's generating facility.

**SECTION 2 - AVAILABILITY.** This service shall be available to Customers of NORTHEAST who agree to the requirements of this tariff and who currently have valid Energy Purchase and Interconnection and Service Agreements with NORTHEAST.

Compensation provided for through this Rate Schedule AC-1 to the Customer is determined using the rates paid by NORTHEAST for wholesale power and energy as its basis. Rate Schedule AC-1 will be revised from time to time as said wholesale rates paid by Northeast are modified. In the event there is any inconsistency between the provisions of this Rate Schedule AC-1 and those rate schedules, which are a part of the NORTHEAST's Wholesale Power Agreement, then the provisions of the NORTHEAST Wholesale Power Contract rate schedules shall govern.

### **SECTION 3 - DEFINITIONS**

- A). "Customer" – Any person, firm, association, or corporation, public or private, that purchases or is eligible to purchase electric energy from the interconnected electric system of NORTHEAST.
- B). "Generation" - The output from the DG Facility installed and owned by the Customer and which output is being purchased by NORTHEAST.
- C). "Point of Delivery" - That point where the Customer delivers power and energy for receipt by NORTHEAST identified as DG Operator Point of Delivery on Exhibit A to the Interconnection and Service Agreement between the Customer and NORTHEAST.
- D). "DG Facility" - All systems, equipment, facilities and other items comprising or necessary to produce, operate, and maintain the Customer's generation, which includes obtaining and delivery of fuel, and the generator systems.

- E). "Metering Equipment" - All equipment used to meter the amount of Customer generation, the amount of electrical power and energy delivered from NORTHEAST to the Customer, and the amount of electrical power and delivered from the DG Facility to the NORTHEAST system.
- F). "Point of Measurement" - That point(s) where the amount of generation, the amount of electrical power and energy delivered from NORTHEAST to the Customer, and the amount of electrical power and delivered from the DG Facility to the NORTHEAST system are metered, all as identified on Exhibit A to the Interconnection and Service Agreement between the Customer and NORTHEAST.
- G). "Compensation Period" - Any calendar month. In the event of a billing for a fraction of a Compensation Period, NORTHEAST shall make a proportionate adjustment of the compensation for such Compensation Period. Compensation will be remitted on a monthly basis.
- H). "Measured Energy" - The number of kilowatts (kW) delivered at any point during any clock hour as measured by kilowatthour metering equipment.
- I). "On-Peak Hours" – That subset of hours as defined in Section 5 of this Rate Schedule.
- J). "Summer Season" – The Billing Periods June through September.
- K). "Winter Season" – The Billing Periods October through May.
- L). "Interconnection Service Agreement" – The Agreement executed by the Customer and NORTHEAST that specifies the interconnection requirements and facilities necessary for service to be provided to DG Operator.
- M). "Energy Purchase Agreement" – This Agreement executed by the Customer and NORTHEAST that specifies the conditions and parameters under which NORTHEAST will purchase the output of the facility owned by the DG Operator.

#### **SECTION 4 - SERVICE CONDITIONS**

1. The Customer agrees to sell and deliver to NORTHEAST, and NORTHEAST agrees to purchase, the entire electric output of the Customer's DG facility. For electric energy sold and delivered to NORTHEAST pursuant to this Agreement, NORTHEAST agrees to pay the Customer an amount equal to the calculated avoided cost as outlined in the Monthly Compensation section of this Rate Schedule AC-1
2. The Customer is solely responsible for all costs associated with its facility, for all costs related to construction or system studies for the facility, for all costs related to any Customer-initiated modifications to the facility, for all maintenance cost of the facility

and for all costs related to any modifications to the facility that may be required by NORTHEAST for purposes of safety and reliability.

3. A Customer's DG facility shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers and qualified independent testing laboratories.
4. The Customer shall, at its expense provide lockable switching equipment capable of isolating the DG facility from NORTHEAST's system. Such equipment shall be approved by NORTHEAST and shall be accessible by NORTHEAST at all times.
5. NORTHEAST shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a DG Facility, or for the acts or omissions of the Customer that causes loss or injury, including death, to any third party.
6. NORTHEAST shall have the right to disconnect the facility from NORTHEAST's supply at the disconnect switch, at its sole discretion, when necessary to maintain safe electrical operating conditions, or if the facility, at any time, adversely affects the operational integrity of NORTHEAST's service to the Customer or other Customers.

**SECTION 5 - MONTHLY COMPENSATION**

For the convenience of owner's of DG facilities the avoided cost calculation is expressed in flat cents per kWh. This calculation is based upon assumptions common to wind generation, but because no actual metering can be available on future sites, these assumptions are based on reasonable knowledge of wind production data. These assumptions can change as more data is obtained and turbine efficiency increases. The assumptions are:

- 30% capacity factor
- 17% coincidence factor
- 58% on peak hours and 42% off peak hours per 2016 wholesale power rate schedule GFPS
- 6.5% credit for distribution line losses avoided

<u>Purchase prices per kWh:</u>	<u>Average Annual</u>	
Wind generation		4.6 ¢
Solar generation		7.3 ¢

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