



**LARGE POWER SERVICE – NONCOINCIDENT DIFFERENTIAL LOAD  
– OWNING TRANSMISSION**

**AVAILABILITY** Available throughout the territory served by Fayetteville Public Works Commission (PWC) in accordance with PWC's established service regulations.

**APPLICABILITY** Applicable to electric service used for nonresidential purposes when the Customer's contract demand or actual metered demand is 10,000 kW or more, the Customer takes service directly from PWC's existing transmission lines of 66,000 volts or higher, and the Customer owns, operates, and maintains all transformation and other equipment normally provided by PWC to nonresidential customers; provided, however, that PWC shall at all times be solely responsible for all metering of the Customer's usage, and provided further that if PWC determines that the existing configuration of PWC's transmission and distribution system necessitates, for economic or technical reasons, connection of the Customer with a demand less than 10,000 kW directly from PWC's existing transmission lines of 66,000 volts or higher, PWC may require the Customer to instead take electric service on the Large Power Service-Noncoincident Differential Load- Owing Transmission rate schedule. Metered demand, for purposes of determining the applicability of this rate schedule, shall be computed on the basis of the highest fifteen (15) minute aggregate demand measured each month by the billing meter installed by PWC at the point of delivery for the Customer and the non-billing meter installed by PWC on the Customer's side of the point of delivery to measure the output of all customer-owned generation, including but not limited to peak shaving generation and generation from qualifying facilities, but excluding generation used solely for emergencies in compliance with the operational limitations and emissions limitations established by the applicable North Carolina Department of Environmental Quality air permit. In accordance with PWC's Service Regulations and Charges, PWC may change the Customer's rate classification.

**CHARACTER OF SERVICE** Service shall be three-phase, sixty hertz alternating current at PWC's standard available voltages except as provided for in the Service Regulations and Charges. Service shall be provided at a single point of delivery through one (1) meter.

**DEFINITIONS**

- A. System Coincident Peak (CP) Demand** shall be the Customer's average kW demand on PWC's system measured during the same 60-minute interval used in the relevant month to determine PWC's Coincident Peak Demand in accordance with the Tenth Amended and Restated Power Supply Coordination Agreement between PWC and Duke Energy Progress (DEP), as amended (PSCA), which may be adjusted from time to time by DEP.
- B. Customer Peak Demand** shall be the greater of: (a) the Customer's highest 15-minute demand recorded during the relevant month; or (b) the Customer's contracted demand.
- C. Adjustment Factor** is eighty-nine percent (89%).
- D. Allowance** shall be, for the relevant month, the lesser of: (a) twenty-five percent (25%) of the Customer Peak Demand; or (b) two thousand (2,000) kW.



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- E. System CP Demand Cost** is defined as the Monthly Capacity Rate charged by DEP to PWC in accordance with the PSCA for the relevant month, which rate is estimated by DEP and remains subject to true up and adjustment in accordance with the PSCA.
- F. Transmission Cost** is defined as the aggregate Transmission Rate per kW and the Ancillary Service Charge per kW for each of the Ancillary Services billed by DEP to PWC in accordance with DEP’s Open Access Transmission Tariff (OATT), as amended for the relevant month, which rate is estimated by DEP and remains subject to true up and adjustment in accordance with the OATT.
- G. Purchased Energy Cost** is defined as the Monthly Energy Rate, on a per kWh basis, charged by DEP to PWC in accordance with the PSCA for the relevant month, which rate is estimated by DEP and remains subject to true up and adjustment in accordance with the PSCA.
- H. System Loss Factor** is defined as the percentage computed as follows:  

$$\frac{\text{(Purchases from Electricity Suppliers - Sales to Ultimate Consumers)}}{\text{(Purchases from Electricity Suppliers)}}$$
 Purchases from Electricity Suppliers and Sales to Ultimate Consumers shall be derived from PWC’s most recently submitted Schedule 2, Part B of PWC’s U.S. Energy Information Agency EIA-861 Annual Electric Power Industry Report that precedes the relevant month which amounts remain subject to true up and periodic adjustment in accordance with Federal Regulations.
- I. Ancillary Credits** is defined as the total amount that is estimated and credited by DEP to PWC pursuant to the PSCA for any charges incurred by PWC pursuant to Schedule 2, Schedule 3, Schedule 5, and Schedule 6 of the OATT that are provided from DEP’s generation resources.

**MONTHLY RATE**

The Customer shall pay monthly a **Basic Facilities Charge**, a **Demand Charge**, and an **Energy Charge** for all metered kWh delivered to the Customer in the relevant month. The monthly **Demand Charge** shall be calculated using the following formula:

$$[(\text{System CP Demand} \times \text{CP Demand Charge}) + (\text{Customer Peak Demand} \times \text{Customer Peak Demand Charge})]$$



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The Customer’s monthly **CP Demand Charge** (per kW) shall be calculated using the following formula:

$$\{[(\text{System CP Demand Cost}-\text{Ancillary Credits}) \times (1+\text{System Loss Factor})] + [(\text{Transmission Cost}) \times (1+ \text{System Loss Factor})]\} \times 93.6\%$$

The monthly **Energy Charge** to be assessed for each metered kWh delivered to the Customer shall be calculated using the following formula:

$$\text{Energy Charge} = [(\text{Purchased Energy Cost}) \times (1+\text{System Loss Factor})]$$

<b>Basic Facilities Charge</b>	<b>\$20,000.00</b>
<b>CP Demand Charge</b>	<b>\$17.25 per kW</b>
<b>Customer Peak Demand Charge</b>	<b>\$7.71 per kW</b>
<b>Energy Charge</b>	<b>\$0.02895 per kWh</b>

The Customer shall also pay a **Noncoincident Demand Differential Charge** for each month in which the Customer Peak Demand for the relevant month exceeds the System CP Demand for the relevant month by more than the Allowance. The **Noncoincident Demand Differential Charge** shall be calculated using the following formula:

$$[\text{Customer Peak Demand} - (\text{System CP Demand} + \text{Allowance})] \times \text{CP Demand Charge} \times \text{Adjustment Factor}$$

The System CP Demand, System CP Demand Cost and the Transmission Cost may be modified and/or trued up by DEP from time to time in accordance with the PSCA and OATT. The System Loss Factor may be modified or trued up from time to time in accordance with Federal regulation.

**TRANSMISSION DISCOUNT** A transmission discount will be given where the customer takes service directly from PWC's transmission lines of 66,000 volts or higher and the customer owns, operates, and maintains the equipment normally provided by PWC. Transmission discount will be given in the form of reduced Customer Peak Demand charges as follows:

<b>Transmission Discount</b>	<b>\$5.65 per kW</b>
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**POWER SUPPLY ADJUSTMENT (PSA)** All stated rates are subject to a monthly power supply adjustment (PSA).

**COAL ASH RIDER** As specified in the Service Regulations and Charges, a monthly surcharge to recover the portion of Duke Energy Progress’ cost of cleaning up coal ash that is allocated to PWC.

**Coal Ash Rider** **\$58.82**

**PAYMENTS** All bills shall be paid in accordance with the terms of the Service Regulations and Charges.

**TAX** Applicable North Carolina sales tax will apply.

\*An additional \$4.00 Community Street Lighting charge applies to each meter on this rate schedule.