

GREENVILLE UTILITIES COMMISSION

ELECTRIC RIDER RR-4

PURCHASE POWER ADJUSTMENTS (PPA)

I. APPLICABILITY:

Applicable to all retail electricity billed under all GUC electric rate schedules whether metered or unmetered unless otherwise excluded in the rate schedule.

II. MONTHLY RATE

A. RATE SCHEDULES TRACKING POWER SUPPLY RATES

For rate schedules automatically adjusted for changes in NCEMPA power supply rates, the Monthly Purchase Power Adjustments shall be calculated as follows:

$$PPA_{TD} = PPR_{TD} * LSF * CSF * CVF^i \quad (\text{for demand})$$

$$PPA_{TE} = PPR_{TE} * LSF * CSF \quad (\text{for energy})$$

Where:

$PPA_{TD}$  - Purchase Power Adjustments (tracking demand) in dollars per kW rounded to the nearest \$0.001 per kW.

$PPR_{TD}$  - Purchased Power Demand Rate in dollars per kW includes NCEMPA Coincident Peak Demand Rate plus Transmission Charges

$PPA_{TE}$  - Purchase Power Adjustments (tracking energy) in dollars per kWh rounded to the nearest \$0.00001 per kW.

$PPR_{TE}$  - Purchased Power Energy Rate in dollars per kWh includes NCEMPA Energy Rate plus Administrative Charges

LSF – Loss Factor in percent based on the losses for the customer classification

CSF – Classification Factor is a factor applied to the associated customer classification

$CVF^i$  – Conversion Factor is used to convert the demand rate to an energy rate as applicable.

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Additional power supply costs not recovered automatically for changes in NCEMPA demand and energy rates are recovered through the PPA<sub>D</sub> as described below:

The monthly bill for electric service computed in accordance with the appropriate electric rate schedule shall be increased or decreased by an amount equal to the product of the applicable non-coincident billing demand (D) in kilowatts (kW) used by the customer during the billing month and the Monthly Purchase Power Adjustments Factor (PPA<sub>D</sub>) calculated as follows:

$$PPA_D = \frac{PPC_D + RA + RS}{S_D}$$

Where:

PPA<sub>D</sub> - Purchase Power Adjustments (demand) in dollars per kW rounded to the nearest \$0.001 per kW.

PPC<sub>D</sub> - Projected Power Costs (demand) allocated to the associated electric rate schedule by calendar quarter period, expressed in dollars less the projected power costs for the quarter to be recovered in the associated rates automatically adjusted for changes in NCEMPA power supply rates. Projected power costs are the sum of:

- all non-recovered purchased power energy, capacity and delivery costs,
- all demand response costs not otherwise recovered in the Base Rates and
- all NCEMPA defeasance debt costs.

RA - Reconciliation Adjustment which is the actual purchased power costs less the revenue collected from the PPA applied during the calendar quarter period which ended three months previously. In the event, the reconciliation adjustment (RA) results in a credit balance, GUC may retain the credit for Rate Stabilization.

RS - Rate Stabilization funds to be used to increase or reduce the PPA<sub>i</sub> by calendar quarter period to provide rate stability, expressed in dollars.

S<sub>D</sub> - Projected Sales of Electricity (demand) expressed in kilowatts (kW) by calendar quarter period, whether metered or unmetered, less the projected sales for the quarter for rate schedules automatically adjusted for changes in NCEMPA power supply rates and those schedules that are exempt from the PPA.

**B. RATE SCHEDULES NOT TRACKING POWER SUPPLY RATES**

Effective November 1, 2023  
Supersedes Schedule dated July 1, 2023

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The monthly bill for electric service computed in accordance with the appropriate electric rate schedule shall be increased or decreased by an amount equal to the product of all energy (E) in kilowatt hours (kWh) used by the customer during the billing month and the Monthly Purchase Power Adjustments Factor (PPA<sub>E</sub>) calculated as follows:

$$PPA_E = \frac{PPC_E + RA + RS}{S_E}$$

Where:

PPA<sub>E</sub> - Purchase Power Adjustments (energy) in dollars per kWh rounded to the nearest \$0.00001 per kWh.

PPC<sub>E</sub> - Projected Power Costs (energy) by calendar quarter period, expressed in dollars less the projected power costs for the quarter to be recovered in rate schedules automatically adjusted for changes in NCEMPA power supply rates and those schedules that are exempt from the PPA. Projected power costs are the sum of:

- all purchased power energy, capacity and delivery costs,
- all demand response costs not otherwise recovered in the Base Rates and
- all NCEMPA defeasance debt costs.

RA - Reconciliation Adjustment which is the actual purchased power costs less the revenue collected from the PPA applied during the calendar quarter period which ended three months previously. In the event, the reconciliation adjustment (RA) results in a credit balance, GUC may retain the credit for Rate Stabilization.

RS - Rate Stabilization funds to be used to increase or reduce the PPA<sub>i</sub> by calendar quarter period to provide rate stability, expressed in dollars.

S<sub>E</sub> - Projected Sales of Electricity (energy) expressed in kilowatt hours (kWh) by calendar quarter period, whether metered or unmetered, less the projected sales for the quarter for rate schedules automatically adjusted for changes in NCEMPA power supply rates and those schedules that are exempt from the PPA.

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III. Summary of Rate Components

<b>RATE SCHEDULE</b>	<b>BASE RATE</b>	<b>PPA</b>	<b>COMBINED RATE</b>
<b>ER-1 RESIDENTIAL</b>			
Connection Charge (\$)	<b>21.00</b>		21.00
Energy: (\$/kWh)	<b>0.01596</b>	<b>0.07818</b>	0.09414
<b>ER-2 RESIDENTIAL TOU-D NET METERING WITH SOLAR</b>			
Connection Charge: (\$)	<b>25.00</b>		25.00
NCP Demand: (\$/kW)	<b>3.75</b>		3.75
Energy: On Peak (\$/kWh)		<b>0.19919</b>	0.19919
Energy: Off Peak (\$/kWh)		<b>0.03926</b>	0.03926
<b>ER-3 RESIDENTIAL RENEWABLE EXCESS ENERGY BUYBACK</b>			
Base Facilities Charge (\$)	<b>21.00</b>		21.00
Energy Charge: (\$/kWh)	<b>0.01596</b>	<b>0.07818</b>	0.09414
Excess Energy Credit: (\$/kWh)		<b>0.05902</b>	0.05902
<b>EG-1 SMALL GENERAL SERVICE</b>			
Connection Charge (\$)	<b>27.00</b>		27.00
Energy: (\$/kWh)			
Block 1 (0 - 1,000kWh)	<b>0.03086</b>	<b>0.07818</b>	0.10904
Block 2 (1,001 - 5,000kWh)	<b>0.02392</b>	<b>0.07818</b>	0.10210
Block 3 (> 5,000kWh)	<b>0.01886</b>	<b>0.07818</b>	0.09704
<b>EG-2 MEDIUM GENERAL SERVICE</b>			
Connection Charge	<b>68.00</b>		68.00
Demand: (\$/kW) (all kW of billing demand in excess of 20 kW)	<b>4.17</b>		4.17
Energy: (\$/kWh)			
All kWh	<b>0.00210</b>	<b>0.07818</b>	0.08028
<b>EG-3 MEDIUM GENERAL SERVICE-CP</b>			
Connection Charge (\$)	<b>85.00</b>		85.00
CP Demand: (\$/kW)		<b>16.45</b>	16.45
NCP Base Demand: (\$/kW)	<b>7.83</b>	<b>3.00</b>	10.83
NCP Excess Demand: (\$/kW)	<b>7.83</b>		7.83
rkVA Demand: (\$/rkVA)	<b>0.25</b>		0.25
Energy: (\$/kWh)		<b>0.03244</b>	0.03244

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<b>RATE SCHEDULE</b>	<b>BASE RATE</b>	<b>PPA</b>	<b>COMBINED RATE</b>
<b>EG-4 LARGE GENERAL SERVICE-CP</b>			
Connection Charge (\$)	<b>185.00</b>		185.00
CP Demand (\$/kW)		<b>21.48</b>	21.48
NCP Base Demand: (\$/kW)	<b>8.27</b>	<b>2.11</b>	10.38
NCP Excess Demand: (\$/kW)	<b>8.27</b>		8.27
rkVA Demand: (\$/rkVA)	<b>0.25</b>		0.25
Energy: (\$/kWh)		<b>0.02705</b>	0.02705
Interruptible Demand (less than 25 MW): (\$/KW)		<b>10.59</b>	10.59
Interruptible Demand (greater than 25 MW): (\$/KW)		<b>14.82</b>	14.82
<b>EG-5 PUBLIC COMMUNICATIONS NETWORK DEVICES</b>			
Connection Charge (\$)	<b>2.10</b>		2.10
Energy: (\$/kWh)	<b>0.03248</b>	<b>0.07818</b>	0.11066
<b>EG-6 TRANSMISSION RATE – CP</b>			
Connection Charge (\$)	<b>3,125.00</b>		3,125.00
All CP Demand (\$/kW)		<b>21.36</b>	21.36
All NCP Demand: (\$/kW)	<b>3.14</b>		3.14
rkVA Demand: (\$/rkVA)	<b>0.25</b>		0.25
Energy: (\$/kWh)		<b>0.02689</b>	0.02689
Interruptible Demand (less than 25 MW): (\$/KW)		<b>10.59</b>	10.59
Interruptible Demand (greater than 25 MW): (\$/KW)		<b>14.82</b>	14.82
<b>EL-1,2,3 LIGHTING SCHEDULES</b>			
Energy: (\$/kWh)		<b>0.04931</b>	0.04931
<b>EL-4 SPORTS FIELD</b>			
Connection Charge (\$)	<b>21.00</b>		21.00
Demand (\$/kW)	<b>2.00</b>		2.00
Energy: (\$/kWh)	<b>0.00500</b>	<b>0.07818</b>	0.08318

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<b>RR-3 – BILATERAL ENERGY CREDIT</b>			
Connection Charge RES: (\$)	<b>12.39</b>		12.39
Connection Charge RES: (\$)	<b>13.86</b>		13.86
Connection Charge RES: (\$)	<b>33.00</b>		33.00
Energy: (\$/kWh)		<b>0.06401</b>	0.06401

IV. Sales Tax Charge: The applicable North Carolina sales tax will be added to all charges listed above.