

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 kWh.

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_D 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_D) calculated as follows:

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

Where:

PPA_D - Purchase Power Adjustments (demand) in dollars per kW rounded to the nearest \$0.001 per kW.

PPC_D - 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_i by calendar quarter period to provide rate stability, expressed in dollars.

S_D - 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

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_E) calculated as follows:

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

Where:

PPA_E - Purchase Power Adjustments (energy) in dollars per kWh rounded to the nearest \$0.00001 per kWh.

PPC_E - 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_i by calendar quarter period to provide rate stability, expressed in dollars.

S_E - 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

RATE SCHEDULE	BASE RATE	PPA	COMBINED RATE
ER-1 RESIDENTIAL			
Connection Charge (\$)	19.00		19.00
Energy: (\$/kWh)	0.01796	0.07818	0.09614
ER-2 RESIDENTIAL TOU-D NET METERING WITH SOLAR			
Connection Charge: (\$)	25.47		25.47
NCP Demand: (\$/kW)	0.27	5.84	6.11
Energy: On Peak (\$/kWh)		0.14026	0.14026
Energy: Off Peak (\$/kWh)		0.03474	0.03474
EG-1 SMALL GENERAL SERVICE			
Connection Charge (\$)	21.00		21.00
Energy: (\$/kWh)			
Block 1 (0 - 1,000kWh)	0.03248	0.07818	0.11066
Block 2 (1,001 - 5,000kWh)	0.02629	0.07818	0.10447
Block 3 (> 5,000kWh)	0.00767	0.07818	0.08585
EG-2 MEDIUM GENERAL SERVICE			
Connection Charge	50.00		50.00
Demand: (\$/kW)	4.17		4.17
Energy: (\$/kWh)			
Block 1 (0 - 12,500kWh)	0.01774	0.07818	0.09592
Block 2 (> 12,500kWh)	0.00210	0.07818	0.08028
EG-3 MEDIUM GENERAL SERVICE-CP			
Connection Charge (\$)	50.00		50.00
CP Demand: (\$/kW)		17.00	17.00
NCP Base Demand: (\$/kW)	7.12	8.49	15.61
NCP Excess Demand: (\$/kW)	5.38		5.38
Energy: (\$/kWh)		0.03027	0.03027

Effective July 1, 2018
Supersedes Schedule dated April 1, 2018

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RATE SCHEDULE	BASE RATE	PPA	COMBINED RATE
EG-4 LARGE GENERAL SERVICE-CP			
Connection Charge (\$)	150.00		150.00
CP Demand (\$/kW)		22.20	22.20
NCP Base Demand: (\$/kW)		13.13	13.13
NCP Excess Demand: (\$/kW)	6.82		6.82
Energy: (\$/kWh)		0.02524	0.02524
EG-5 PUBLIC COMMUNICATIONS NETWORK DEVICES			
Connection Charge (\$)	2.10		2.10
Energy: (\$/kWh)	0.03248	0.07818	0.11066
EL-1,2,3 LIGHTING SCHEDULES			
Energy: (\$/kWh)		0.04970	0.04970
EL-4 SPORTS FIELD			
Connection Charge (\$)	21.00		21.00
Demand (\$/kW)	2.00		2.00
Energy: (\$/kWh)	0.00500	0.07818	0.08318
RR-3 – BILATERAL ENERGY CREDIT			
Connection Charge RES: (\$)	10.03		11.21
Connection Charge RES: (\$)	13.86		13.86
Connection Charge RES: (\$)	33.00		33.00
Energy: (\$/kWh)		0.06257	0.06257

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

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