

**ROANOKE ELECTRIC COOPERATIVE**

**P. O. BOX 1326**

**AHOSKIE, NORTH CAROLINA 27910**

**RATE SCHEDULES**

**EC 31 - SUB. 32**



**APPROVED BY BOARD OF DIRECTORS: JULY 26, 2010  
EFFECTIVE FOR BILLS RENDERED ON OR AFTER  
SEPTEMBER 1, 2010**

**ROANOKE ELECTRIC COOPERATIVE, INC.**  
P.O. BOX 440  
RICH SQUARE, NC 27869

EC 31 SUB. 32

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**NOTE:** All rates are for approximate 30-day billing periods.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE B**  
**Security Light Service**

**AVAILABILITY**

This schedule is available in all territory served by the Cooperative, subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

This schedule is applicable to any consumer of the Cooperative for yard, security, or decorative lighting from dusk to dawn.

**MONTHLY RATE**

**Yard or Security Lights**

100-Watt High Pressure Sodium	\$ 11.10
100-Watt High Pressure Sodium - Decorative	\$ 17.10
400-Watt Metal Halide - Flood	\$ 17.20
175-Watt Metal Halide - Cobra	\$ 31.95
175-Watt Metal Halide Decorative Acorn	\$ 31.75
175-Watt Metal Halide Decorative Acorn w/ 2 Lights	\$ 40.50
175-Watt Metal Halide Decorative Shoebox w/ 2 Lights	\$ 38.00

**Additional Charges:**

For wooden poles required for yard lighting in addition to existing distribution poles, a charge of \$ 1.80 per month per extra pole shall apply.

**Decorative Lighting**

Carrying Charge:       2% of Total Installation Cost

Energy Charge:                       2.848 cents per kWh (based on type of light installed)

**CONDITION OF SERVICE**

Lighting equipment including lamps, fixtures, controls, and conductors will be furnished and maintained by the Cooperative.

Lamp replacement will be made by the Cooperative with an additional charge, except that any damage to lamps and luminary resulting from vandalism shall be charged to the consumer as a separate item on the monthly bill. The bill shall be based upon the Cooperative's actual cost.

Consumer should report outages promptly. Lamps will be serviced only during regular

working hours of the Cooperative.

**WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

**SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE C**  
**Residential Service**

**AVAILABILITY**

This schedule is available in all territory served by the Cooperative, subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

This schedule is applicable for residential use and for use incidental thereto supplied through one meter to each individual residence or apartment unit. Residence is defined as a metered dwelling suitable to be a single family unit with kitchen and bathroom facilities and the primary place in which a member resides.

**TYPE OF SERVICE**

Service under this schedule shall be single-phase, 60 cycles, at one of the Cooperative's available secondary voltages.

**MONTHLY RATE**

Basic Facilities Charge:	\$ 12.75
Energy Charge:	
All kWh	10.64 ¢ per kWh

**MINIMUM CHARGE**

The minimum monthly charge shall be the Basic Facilities Charge shown above.

**WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

**SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE F**  
**Commercial Service**

**AVAILABILITY**

This schedule is available in all territory served by the Cooperative, subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

Applicable to non-residential single-phase and three-phase consumers whose monthly demand never exceeds 1,000 kW.

**TYPE OF SERVICE**

Service under this schedule shall be single-phase or three-phase, 60 cycles, at one of the following voltages: 120/240, 120/208, or 240/480. Motors in excess of one (1) horsepower shall be connected to operate on not less than 208 volts. Motors having a rated capacity in excess of 10 horsepower must be three-phase. However, single-phase motors in excess of 10 horsepower may be served under this Schedule provided the consumer installs a phase converter for operation of same. Motors having a rated capacity 20 or more horsepower must have reduced voltage starters.

**MONTHLY RATE**

Basic Facilities Charges:

Single-Phase	\$ 25.00
Three-Phase	\$ 45.00

Where the monthly billed demand is less than 100 kW the demand and energy charge shall be calculated using the charges and blocks directly below.

Demand Charges:

First 15 kW	\$ 0.00 per kW
All kW over 15	\$ 7.25 per kW

Energy Charges:

First 2,500 kWh	10.89 ¢ per kWh
Next 7,500 kWh	7.75 ¢ per kWh
Next 40,000 kWh	6.56 ¢ per kWh
All kWh over 50,000	5.57 ¢ per kWh

Where the monthly billed demand is 100 kW or greater the charges shall be the lower of the demand and energy charges shown above or the energy charge shown below.

Energy Charge:  
All kWhs

10.55 ¢ per kWh

### **MINIMUM MONTHLY CHARGE**

The minimum monthly charge shall be the highest of the following charges as determined for the consumer in question:

- (1) The appropriate Basic Facilities Charge as stated above, or
- (2) The minimum monthly charge specified in the consumer's contract for power.

### **DETERMINATION OF BILLING DEMAND**

The billing demand shall be the highest of the following:

- (1) The maximum kilowatt demand established for a period of 15 consecutive minutes during the month, as may be adjusted for power factor as provided below,
- (2) Fifty (50) percent of the contract demand, or
- (3) The minimum billing demand that is stated in the consumer's power contract.

### **POWER FACTOR ADJUSTMENT**

The consumer agrees to maintain unity power factor as nearly as practicable. Demand charges will be adjusted for consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent that the average power factor is less than 90 percent lagging.

### **CONDITION OF SERVICE**

Prior to procurement of electric motors and actual service connection thereto, the consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. The consumer shall install or have installed protective devices on all electric motors and equipment to protect same in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

### **WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

### **SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**

Rich Square, North Carolina

**SCHEDULE F - Time-of-Day  
Commercial Service – TOD**

**AVAILABILITY**

This schedule is available on a voluntary and limited basis, at the Cooperative’s option. This rate shall be limited to the availability of appropriate meters, and will be limited further by the saturation and/or impact on the Cooperative’s electric system of consumers utilizing this Rate Schedule in a general area. Effective April 1, 2007, this schedule is closed to new consumers.

**APPLICABILITY**

Applicable to those three-phase and single-phase consumers whose monthly demand has exceeded 25 KW at least once during the most recent twelve months.

**TYPE OF SERVICE**

Service under this schedule shall be single-phase or three-phase, 60 cycles, at one of the following voltages: 120/240, 120/208, or 240/480. Motors having a rated capacity in excess of 10 horsepower must be three-phase. However, single-phase motors in excess of 10horsepower may be served under this Schedule provided the consumer installs a phase converter for operation of same. Motors having a rated capacity 20 or more horsepower must have reduced voltage starters.

**MONTHLY RATE**

Basic Facilities Charges:

Single-Phase	\$ 55.00
Three-Phase	\$ 75.00

Demand Charges:

On-Peak Demand	\$ 13.25 per kW of On-Peak Demand
Off-Peak Demand	\$ 4.25 per kW of Off-Peak Demand

Energy Charges:

On-Peak Energy	5.35 ¢ per On-Peak kWh
Off-Peak Energy	3.55 ¢ per Off-Peak kWh

**MINIMUM CHARGE**

The minimum monthly charge shall be the appropriate Basic Facilities Charge shown above.

**CONDITION OF SERVICE**

Prior to procurement of electric motors and actual service connection thereto, the consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. The consumer shall install or have installed protective devices on all electric motors and equipment to protect same in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public

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authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE F - Time-of-Day  
Commercial Service – TOD**

**DETERMINATION OF BILLING DEMAND**

The On-Peak Billing Demand shall be the maximum kilowatt demand established by the consumer during a 15-minute interval, during on-peak hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor. The Off-Peak Billing Demand shall be the maximum off-peak demand established by the consumer during a 15 minute interval, during off-peak hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor.

**POWER FACTOR ADJUSTMENT**

The consumer agrees to maintain unity power factor as nearly as practicable. Demand charges will be adjusted for consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent, that the average power factor is less than 90 percent lagging.

**ON-PEAK AND OFF-PEAK PERIODS**

December – April

On-Peak Hours: 7:00 AM to 10:00 AM, Monday – Friday  
Off-Peak Hours: All other hours

May – September

On-Peak Hours: 3:00 PM to 6:00 PM, Monday – Friday  
Off-Peak Hours: All other hours

October – November

On-Peak Hours: 7:00 AM to 9:00 AM and 4:00 PM to 8:00 PM, Monday – Friday  
Off-Peak Hours: All other hours

**WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

**SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE F-CDC**  
**Commercial Service – Coordinated Demand Control**

**AVAILABILITY**

This Schedule is available as an option when the Consumer qualifies for service under Commercial Service Schedule F. Availability is subject to determination by the Cooperative that the Consumer's use of power will not interfere with electric service to other consumers or adversely affect the Cooperative's system. This schedule is available only in areas where the Cooperative has a clear communications path for control. Effective April 1, 2007, this schedule is closed to new consumers.

An electric service agreement is required before service is initiated. The agreement will include provisions for reduction of the consumer's demand during system peak periods and installation of any special metering that may be needed. Service is not available hereunder for temporary use, or resale.

**TYPE OF SERVICE**

Service is alternating current, 60 hertz, three-phase at one of the Cooperative's standard delivery voltages, or at another voltage by mutual agreement.

**MONTHLY RATE**

Basic Facilities Charge:	\$125.00
Demand Charges:	
On-Peak Demand	\$ 15.75 per kW of On-Peak demand
Off-Peak Demand	\$ 4.25 per kW of Off-Peak demand
Energy Charge:	
All kWh	6.42 ¢ per kWh

**MINIMUM MONTHLY CHARGE**

The minimum monthly charge shall be the highest of the following charges as determined for the consumer in question:

- (1) The appropriate Basic Facilities Charge as stated above, or
- (2) The minimum monthly charge specified in the consumer's contract for power.

**BILLING DEMAND**

The On-Peak Billing Demand shall be the customer's maximum rate of electric usage during any sixty-minute period, measured in sixty-minute clock hour intervals, expressed in kW and adjusted for power factor, during any period that the Cooperative has asked the customer to control its load during the billing month. The Off-Peak Billing Demand shall be the maximum off-peak demand established by the consumer during a 15 minute interval, during off-peak hours,

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within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor.

### **LOAD MANAGEMENT NOTIFICATION**

Notification from the Cooperative will be by direct telephone communications or automatic signal, as mutually agreed. Consumer will hold the Cooperative harmless in connection with all responses to notification.

### **POWER FACTOR ADJUSTMENT**

The Consumer agrees to maintain unity power factor as nearly as practical. Demand charges will be adjusted for Consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other Consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent, that the average power factor is less than 90 percent lagging.

### **CONDITION OF SERVICE**

Prior to procurement or installation of electric motors, the Consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. All electric motors and equipment shall have protective devices installed in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

### **WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

### **SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE H**  
**Large Commercial Service**

**AVAILABILITY**

This schedule is available in all territory served by the Cooperative, subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

This schedule is applicable to those three-phase consumers whose monthly demand has exceeded 1,000 kW at least once during the most recent twelve months.

**TYPE OF SERVICE**

Service under this schedule shall be three-phase, 60 cycles, at the following voltages: 120/208 or 240/480. Motors having a rated capacity in excess of 40 horsepower must have reduced voltage starters.

**MONTHLY RATE**

Basic Facilities Charge:	\$ 250.00
Demand Charge:	
All kW	\$ 10.50 per kW
Energy Charge:	
All kWh	5.43 ¢ per kWh

**MINIMUM MONTHLY CHARGE**

The minimum monthly charge shall be the highest of the following charges as determined for the consumer in question:

- (1) The appropriate Basic Facilities Charge as stated above, or
- (2) The minimum monthly charge specified in the consumer's contract for power.

**DETERMINATION OF BILLING DEMAND**

The billing demand shall be the highest of the following:

- (1) The maximum kilowatt demand established for a period of 15 consecutive minutes during the month as may be adjusted for power factor as provided below,
- (2) Fifty (50) percent of the contract demand,
- (3) The minimum billing demand that may be provided in the consumer's power contract,  
or
- (4) Seventy-five (75) percent of the highest billing demand established during the preceding 11 months.

### **POWER FACTOR ADJUSTMENT**

The consumer agrees to maintain unity power factor as nearly as practicable. Demand charges will be adjusted for consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent, that the average power factor is less than 90 percent lagging.

### **SERVICE AT PRIMARY VOLTAGE**

If service is furnished at primary distribution voltage, a discount of six (6) percent shall apply to the monthly bill. However, services may be metered at secondary voltage and adjusted to primary metering by adding the estimated transformer losses to the metered kilowatt-hour and kilowatt demand.

### **CONDITION OF SERVICE**

Prior to procurement of electric motors and actual service connection thereto, the consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. The consumer shall install or have installed protective devices on all electric motors and equipment to protect same in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

### **WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

### **SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE H-CDC**  
**Large Commercial Service — Coordinated Demand Control**

**AVAILABILITY**

This Schedule is available as an option when the consumer qualifies for service under Large Commercial Service Schedule H. Availability is subject to determination by the Cooperative that the consumer's use of power will not interfere with electric service to other consumers or adversely affect the Cooperative's system. Effective April 1, 2007, this schedule is closed to new consumers.

An electric service agreement is required before service is initiated. The agreement will include provisions for reduction of the consumer's demand during system peak periods and installation of any special metering, which may be needed. Service is not available hereunder for temporary use, or resale.

**TYPE OF SERVICE**

Service under this schedule is alternating current, 60 hertz, three-phase at one of the Cooperative's standard delivery voltages, or at another voltage by mutual agreement.

**MONTHLY RATE**

Basic Facilities Charges:	\$ 375.00
Demand Charges:	
On-Peak Demand	\$ 18.75 per kW of On-Peak demand
Off-Peak Demand	\$ 4.50 per kW of Off-Peak demand
Energy Charges:	
All kWh	4.28 ¢ per kWh

**MINIMUM MONTHLY CHARGE**

The minimum monthly charge shall be the highest of the following charges as determined for the consumer in question:

- (1) The appropriate Basic Facilities Charge as stated above, or
- (2) The minimum monthly charge specified in the consumer's contract for power.

**BILLING DEMAND**

The On-Peak Billing Demand shall be the customer's maximum rate of electric usage during any sixty-minute period, measured in sixty-minute clock hour intervals, expressed in kW and adjusted for power factor, during any period that the Cooperative has asked the customer to control its load during the billing month. The Off-Peak Billing Demand shall be the maximum off-peak demand established by the consumer during a 15 minute interval, during off-peak hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor. However, the Off-Peak Billing Demand shall not be less than 75% of

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the consumer's maximum integrated fifteen-minute Off-Peak Billing Demand during the most recent twelve billing months.

#### **LOAD MANAGEMENT NOTIFICATION**

Notification from the Cooperative will be by direct telephone communications or automatic signal, as mutually agreed. Consumer will hold the Cooperative harmless in connection with all responses to notification.

#### **POWER FACTOR ADJUSTMENT**

The Consumer agrees to maintain unity power factor as nearly as practical. Demand charges will be adjusted for Consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other Consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent, that the average power factor is less than 90 percent lagging.

#### **CONDITION OF SERVICE**

Prior to procurement or installation of electric motors, the Consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. All electric motors and equipment shall have protective devices installed in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

#### **WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

#### **SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC CONSUMERSHIP CORPORATION**  
Rich Square, North Carolina

**SCHEDULE H - Time-of-Day**  
**Large Commercial Service – TOD**

**AVAILABILITY**

This schedule is available on a voluntary and limited basis, at the Cooperative's option. This rate shall be limited to the availability of appropriate meters, and will be limited further by the saturation and/or impact on the Cooperative's electric system of consumers utilizing this Rate Schedule in a general area.

**APPLICABILITY**

Service under this schedule is applicable to three-phase consumers whose monthly kW demand has exceeded 1,000 kW at least once during the most recent twelve months.

**TYPE OF SERVICE**

Service under this schedule shall be three-phase, 60 cycles, at the following voltages: 120/208 or 277/480. Motors having a rated capacity in excess of 40 horsepower must have reduced voltage starters.

**MONTHLY RATE**

Basic Facilities Charges:	\$ 350.00 per Month
Demand Charges:	
On-Peak Demand – Summer	\$ 14.50 per kW of On-Peak Demand
On-Peak Demand – Winter	\$ 8.50 per kW of On-Peak Demand
Maximum Monthly Demand	\$ 4.50 per kW of Off-Peak Demand
Energy Charges:	
On-Peak Energy	6.21 ¢ per On-Peak kWh
Off-Peak Energy	4.14 ¢ per Off-Peak kWh

**MINIMUM CHARGE**

The minimum monthly charge shall be the highest of the following charges as determined for the consumer in question:

- (3) The appropriate Basic Facilities Charge as stated above,
- (4) \$1.75 times the kVA rating of transformer installed to meet the consumer's load requirements, or
- (5) The minimum monthly charge specified in the consumer's contract for power.

**CONDITION OF SERVICE**

Prior to procurement of electric motors and actual service connection thereto, the consumer shall consult with the Cooperative to verify service characteristics and agree on service conditions. The consumer shall install or have installed protective devices on all electric motors

and equipment to protect same in case the supply of electricity shall fail or be interrupted, or become defective through the act of God, or the public enemy, or state, municipal, or public authority, or any other cause beyond the reasonable control of the Cooperative. The Cooperative shall not be liable for such failure, interruption, or defect.

### **DETERMINATION OF BILLING DEMAND**

The Summer On-Peak Billing Demand shall be the maximum kilowatt demand established by the consumer during a 15-minute interval, during on-peak hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor beginning with the first billing date in the calendar month of June and include four billing months.

The Winter On-Peak Billing Demand shall be the maximum kilowatt demand established by the consumer during a 15-minute interval, during on-peak hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor beginning with the first billing date in the calendar month of October and include eight billing months.

The Maximum Monthly Billing Demand shall be the maximum demand established by the consumer during a 15 minute interval, during all hours, within the month for which the bill is rendered, as indicated or recorded by a demand meter, and adjusted for power factor.

### **ON-PEAK AND OFF-PEAK PERIODS**

#### **A. Summer Periods – April 16 through October 15**

1. On-Peak Hours – 4:00 p.m. to 8:00 p.m. weekdays, excluding designated holidays.
2. Off-Peak Hours – Off-peak hours are all hours other than those shown in paragraph “A1” above.

#### **B. Winter Period – October 16 through April 15**

1. On-Peak Hours – 6:00 a.m. to 10:00 a.m. weekdays, excluding designated holidays.
2. Off-Peak Hours – Off-peak hours are all hours other than those shown in paragraph “B1” above.

#### **C. All hours of the following holidays shall be considered as off-peak:**

New Year’s Day, Good Friday, Fourth of July, Labor Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Eve, and Christmas Day.

### **POWER FACTOR ADJUSTMENT**

The consumer agrees to maintain unity power factor as nearly as practicable. Demand charges will be adjusted for consumers with 50 kW or more of measured demand to correct for average power factor lower than 90 percent, and may be so adjusted for other consumers if the Cooperative deems necessary. Such adjustments will be made by increasing the measured demand 1 percent for each 1 percent, that the average power factor is less than 90 percent lagging.

**SERVICE AT PRIMARY VOLTAGE**

If service is furnished at primary distribution voltage, a discount of six (6) percent shall apply to the monthly bill. However, services may be metered at secondary voltage and adjusted to primary metering by adding the estimated transformer losses to the metered kilowatt-hour and kilowatt demand.

**WHOLESALE POWER COST ADJUSTMENT**

The Cooperative's approved Wholesale Power Cost Adjustment shall be applicable to all service supplied under this Schedule.

**SALES TAX**

Any applicable State and local sales taxes will be added to all services billed under this Schedule.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**RIDER WPCA**  
**Wholesale Power Cost Adjustment Rider**

**APPLICABILITY**

This rider is applicable to and becomes a part of all the Cooperative's Rate Schedules and Riders, which provide for the supply of metered electric service.

**BILLING**

The Cooperative reserves the right to implement a Wholesale Power Cost Adjustment charge at such time as the average cost of purchase power to the Cooperative deviates by 0.001 cents per kWh from the base cost of purchased power used in the design of the Cooperative's retail Rate Schedules. The Wholesale Power Cost Adjustment (WPCA) will be applicable to all kWh billed under Cooperative's retail Rate Schedules and will be calculated as follows:

$$\text{WPCA} = \frac{\text{C} - \text{B} \times \text{P} + \text{D}}{\text{S}} \times \text{T}$$

Where:

- C = Actual purchased power costs for the most recent 6 months available plus the projected purchased power costs for the six months immediately thereafter.
- B = Base cost of purchased power (5.563¢ / kWh) built into the retail rates.
- P = Actual kWh purchases for the most recent 6 months available plus the projected kWh purchases for the six months immediately thereafter.
- D = The total accumulated difference between the Cooperative's WPCA charges and the purchased power posts applicable to this clause through the end of the most recent month available.
- S = Actual kWh sold for the most recent 6 months available plus the projected kWh sold for the six months immediately thereafter.
- T = Gross Receipts Tax Factor = 1.0333

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**RIDER REPS-1**  
**RENEWABLE ENERGY PORTFOLIO STANDARD RIDER**

**APPLICABILITY:**

Service under this Rider is applicable to all retail consumers of the Cooperative for the recovery of the Cooperative's incremental costs associated with meeting their Renewable Energy Portfolio Standard (REPS) pursuant to North Carolina General Statute 62-133.8 and NCUC Rule R8-67.

This Rider is not for resale service. The provisions of the Schedule with which this Rider is used are modified only as shown herein. Service rendered under this Rider is subject to the provisions of the Cooperative's Service Rules and Regulations on file with the state regulatory commission.

**MONTHLY RATE:**

In addition to all other charges stated in the Monthly Rate of the Schedule with which this Rider is used, the following charges shall also apply:

Total Revenue Class	<u>REPS Rate</u>	<u>REPS EMF</u>	<u>Monthly Rate</u>
Residential	\$ 0.13	\$ 0.07	\$ 0.20
Commercial	\$ 0.66	\$ 0.35	\$ 1.01
Industrial	\$ 6.60	\$ 3.54	\$ 10.14

**DEFINITIONS:**

1. Renewable Energy Portfolio Standard (REPS) Rate – The REPS Rate shall be adjusted annually to reflect the incremental and development costs the Cooperative anticipates incurring for the upcoming year to comply with the North Carolina Renewable Energy and Energy Efficiency Portfolio Standard divided by the weighted number of consumers projected in each revenue class over the same twelve month period.
2. Renewable Energy Portfolio Standard Experience Modification Factor (REPS EMF) – The REPS EMF is a rate calculated annually to recover the difference between reasonably and prudently incurred REPS costs and REPS revenues realized during the period under review.

**APPLICABLE TAXES:**

The total charges under the Rider will be increased by applicable sales taxes imposed by any governmental authority.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
Rich Square, North Carolina

**RIDER SRG**  
**Rider for Small Renewable Generation Systems**

**AVAILABILITY**

Service under this Rider is available only to consumers located in the Cooperative's service territory who own a small renewable generator (wind, photovoltaic, biomass-fueled, hydro) that is interconnected directly with and operated in parallel with the Cooperative's distribution system with a capacity of 25 kW or less and contract with the Cooperative to sell all generating capacity and energy to the Cooperative.

Service necessary for the delivery of the consumer's power into the Cooperative's system under this Rider shall be furnished solely to the individual contracting consumer in a single enterprise, located entirely on a single, contiguous premise, and owned by the consumer installing the small renewable generator. Service hereunder shall be restricted to the capacity of the consumer's generating facilities. Power delivered to the Cooperative under this Rider shall not offset or be substituted for power contracted for under any other schedule of the Cooperative.

The obligations of the Cooperative in regards to service under this Rider are dependent upon its securing and retaining all necessary rights-of-way, privileges, franchises, and permits for such service. The Cooperative shall not be liable to any consumer or applicant for power in the event it is delayed in, or is prevented from purchasing power by its failure to secure and retain such rights-of-way, rights, privileges, franchises, and permits.

**TYPE OF SERVICE**

Service under this schedule shall be single-phase, 60 cycles, at one of the Cooperative's available secondary voltages.

**RATE**

The following charges and credits will be added to the consumer's monthly bill:

Supplemental Monthly Basic Facilities Charge:	\$3.75
Credit for energy delivered to Cooperative:	3.50 ¢per kWh

The monthly minimum bill for consumers receiving this service shall be no less than the Basic Facilities Charge in the rate schedule with which this rate is used, plus the supplemental Basic Facilities Charge as stated in this schedule, less any credits for energy delivered to the Cooperative's system.

**METERING REQUIREMENTS**

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The Cooperative will furnish, install, own, and maintain metering to measure energy (kilowatt hours) delivered by the Cooperative to the consumer. The Cooperative will also furnish, install, own, and maintain additional metering equipment to measure the kilowatt hours delivered from the consumer to the Cooperative. The consumer's service will be metered with two meters equipped to prevent reverse registration, one that will measure any energy delivered by the Cooperative to the consumer, and the other which will measure any energy produced by the consumer's renewable energy generation system and delivered to the Cooperative. The consumer will bear the cost of providing the necessary meter sockets to enable the Cooperative to make the interconnections. If the home's electric meter does not provide a means to disconnect power, the homeowner must provide a separate disconnect switch accessible to utility personnel. The Cooperative shall reserve the right to install special metering and load research devices on the consumer's equipment and the right to use the consumer's telephone line for communications with the Cooperative's and the consumer's equipment.

### **INTERCONNECTION REQUIREMENTS**

The consumer must submit an application to interconnect the small generation system, which must be approved by the Cooperative. Upon approval of the application, and prior to interconnection to the Cooperative's electrical system the consumer must sign an interconnection agreement certifying:

1. All renewable energy systems equipped with a voltage inverter, shall be manufactured, installed, and operated in compliance with Underwriters Laboratory (UL) standard 1741 for distributed generation and has been identified and listed as "utility-interactive".

(Note: Induction type generators shall be approved on a case by case basis.)

2. That the system/installation complies with the National Electric Code (NEC) and all applicable codes and that the system has been inspected and approved by the electrical inspector having legal jurisdiction.
3. The system shall be installed, operated, and maintained in accordance with the manufacturer's, government, and industry standards and specifications.
4. The system shall be installed, operated, and maintained in accordance with the Cooperative's Bylaws and Service Rules and Regulations and the Small Generation Interconnection agreement at all times.

### **CONTRACT TERM**

The contract period for service under this Rider shall be one (1) year and thereafter shall be automatically renewed for successive one-year periods, subject to the rules availability and terms of the Small Generation Interconnection Agreement. Service may be terminated by the consumer-owner or the Cooperative in accordance with the terms as stated in the interconnection agreement. The Cooperative reserves the right to inspect the consumer's small generation system at any reasonable time and to immediately disconnect the consumer's system without providing prior notice should it be necessary to address a hazardous condition or for failure to comply with

any of the specifications and requirements as stated in the Small Generation Interconnection Agreement.

**ROANOKE ELECTRIC MEMBERSHIP CORPORATION**  
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**RIDER NB**  
**Net Metering Rider for Small Renewable Generation Systems**

**AVAILABILITY**

This Rider is available in conjunction with any of the Cooperative's Residential Service and Commercial Service schedules where a consumer-owned small renewable generator (wind, photovoltaic, biomass-fueled, hydro) is designed to offset portion or all of the consumer's electrical requirements normally supplied by the Cooperative, has been installed on the consumer-side of the meter, is interconnected with and operated in parallel with the Cooperative's electric distribution system, and the consumer's intent is to purchase all power requirements from the Cooperative net of any power generated by the consumer's renewable energy system in any given month. Service on this Rider shall only be available consumers who own the property where electrical service is received from and delivered to the Cooperative. The nameplate rating of the small renewable generator must be the lesser of: (1) the consumer's estimated maximum 15-minute integrated demand, (2) the consumer's Contract Demand, or (3) 25 kW. Small renewable generators' connected in parallel with the Cooperative's facilities must have safety, system protection, and power quality equipment installed and operated in accordance with rules of the Cooperative. Consumers receiving service under this Rider agree to assign the Renewable Energy Certificates (RECs) and all environmental attributes associated with the small renewable generator to the Cooperative

Service under this Rider shall be available in all territory served by the Cooperative only under written contract and shall be subject to the Cooperative's established Service Rules and Regulations as filed with the North Carolina Utilities Commission. The provisions of the Schedule with which this Rider is used are modified only as shown herein.

**TYPE OF SERVICE**

Service under this schedule shall be single-phase at the voltage of 120/240 or three-phase at a voltage of either 120/208 or 240/480, 60 cycles. The type of service supplied will depend upon the voltage available. Prospective consumers should ascertain the available voltage by inquiring at the nearest Cooperative office before purchasing equipment. Three-phase voltage, other than the foregoing, is subject to mutual agreement between the Cooperative and the consumer. Other types of installations may be permitted, subject to approval by the Cooperative.

**RATE**

The following charges and credits will be added to the consumer's monthly bill:

Supplemental Monthly Basic Facilities Charge:	\$3.75
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The monthly minimums bill for consumers receiving this service shall be no less than the Basic Facilities Charge in the residential or commercial rate schedule with which this rate is used, plus the supplemental Basic Facilities Charge as stated in this schedule.

### **METERING REQUIREMENTS**

The Cooperative will furnish, install, own, and maintain metering to measure energy (kilowatt-hours) delivered by the Cooperative to the consumer and the energy delivered from the consumer to the Cooperative. When a consumer requests that the Cooperative supply electric service in a manner that requires equipment and facilities beyond those which the cooperative would normally provide, and the Cooperative finds it practical to do so, such excess equipment and facilities will be provided as additional facilities at a cost to the consumer. Costs will be collected through additional facilities charges and/or contributions in aid-to-construction as agreed upon by the Cooperative and the consumer-owner. Due to the complexity and cost of some metering installations, the consumer should contact the Cooperative regarding different metering options prior to the purchase of equipment.

### **INTERCONNECTION REQUIREMENTS:**

The consumer must submit an application to interconnect the small generation system which must be approved by the Cooperative. Upon approval of the application, and prior to interconnection to the Cooperative's electrical system, the consumer must sign an interconnection agreement certifying:

1. All renewable energy systems equipped with a voltage inverter, shall be manufactured, installed, and operated in compliance with Underwriters Laboratory (UL) standard 1741 for distributed generation and has been identified and listed as "utility-interactive".

(Note: Induction type generators shall be approved on a case by case basis.)

2. That the system installation complies with the National Electric Code (NEC) and all applicable codes and that the system has been inspected and approved by the electrical inspector having legal jurisdiction.
3. The system shall be installed, operated, and maintained in accordance with the manufacturer's, government, and industry standards and specifications.
4. The system shall be installed, operated, and maintained in accordance with the Cooperative's Bylaws and Service Rules and Regulations and the Small Generation Interconnection Agreement at all times.

The contract period for service under this Rider shall be one (1) year and thereafter shall be automatically renewed or successive one-year periods, subject to the rates availability and terms of the Small Generation Interconnection Agreement. Service may be terminated by the consumer-owner or the Cooperative in accordance with the terms as stated in the interconnection agreement. The Cooperative reserves the right to inspect the consumer's small generation system at any reasonable time and to immediately disconnect the consumer's system without providing prior notice should it be necessary to address a hazardous condition or for failure to comply with

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any of the specifications and requirements as stated in the Small Generation Interconnection Agreement.

## APPENDIX 2

### SCHEDULE OF CHARGES AND REQUIREMENTS

Basic Facilities Charges		\$12.75
Membership Fee		\$5.00
Meter Fee		\$10.00
Security Deposit	Minimum Deposit	\$150.00
	Intermediate Deposit	\$300.00
	Maximum Deposit (Residential Only)	\$450.00
Connection Charge	During regular business hours only	\$25.00
Late Payment Charge		\$6.00
Arrangement Fee		\$10.00
Reconnection Charge	During regular business hours only	\$50.00
After hours reconnection charge		\$80.00
(The deadline for payment of delinquent accounts to effect reconnection that same day is 4:00 PM at the EMC office or to EMC field personnel)		
After hours service		\$80.00
Return Check Charge		\$25.00
Meter Test Charge		\$15.00
Special Meter Reading Trip		N/C
Meter Tampering Fee		\$300.00

Anyone, who engages in vandalism, destruction of Cooperative property, meter tampering, current diversion, or power theft will not have service reconnected until after payment of the old bill or estimated unmetered current PLUS payment for all necessary repairs and fees to include a \$300.00 Service Charge.

The above outlines the Cooperative's attempt to settle its claims out of court. However, any member or other person declining to make the required payment will be subject to prosecution under the appropriate General Statute/s of North Carolina. In all instances, the Cooperative reserves the right to pursue its claims through the applicable legal processes.

## **LINE EXTENSION POLICY**

**PURPOSE:** To ensure a balance between fairness to existing Members and fairness to prospective Members desiring the extension of service.

### **POLICY:**

Roanoke Electric Cooperative (the “Cooperative”) will make service available to the largest practical number of Applicants within its service area. The overall feasibility of each individual extension must be considered to keep the Cooperative on sound financial footing. Line extension charges may be required to provide reasonable assurance of adequate revenues to amortize the Cooperative’s investment, operating and maintenance costs. Factors evaluated will include the amount of new investment, associated operating and maintenance costs in comparison to the Applicant’s power requirements, the anticipated duration of service (i.e., whether permanent, uncertain or short-term), and the Applicant’s financial abilities. Accordingly, the Cooperative reserves the right to alter the provisions of this Line Extension Policy (“Policy”) if, in the sole judgment of the Cooperative’s management and/or Board of Directors, such alterations are deemed necessary.

### **A. Definitions**

**1. Point of Delivery** – Except as may be otherwise provided by written agreement between the Cooperative and the Applicant for services covered by this Policy (“Applicant”), the point of delivery for overhead service shall be at the point the Applicant’s and/or Member’s service entrance conductors are connected to the Cooperative’s service drop conductors or the low voltage terminals of the transformer.

**2. Plat or Survey** – Through out this policy the reference to a plat or survey means one printed copy of a properly surveyed and recorded plat/drawing of the subdivision/park plus an electronic copy of that same drawing in AutoCAD® format (.dwg).

**3. Subdivision** – For the purposes of this policy a subdivision is defined as a collection of lots or parcels to be developed that does not have power immediately available to each lot, and primary power lines will need to be constructed in order to serve the new customers that occupy those lots. Where lots or parcels are to be developed along roads that currently have existing primary power lines the requirements for subdivisions will not apply.

**4. Enduring, permanent-type dwelling/home** – An enduring, permanent-type dwelling/home shall be on property owned or mortgaged by the Applicant and shall: have potable water under pressure into the dwelling with permanent type plumbing, have an appropriate permanent sanitary waste system, and be accessible by an all-weather road.

### **B. General Provisions**

**1. Member Weatherhead** – The service head must be installed at a point acceptable to the Cooperative and located so that the service drop wires will not interfere with fire escapes, windows, shutters, doors or other parts of the building and will not be readily accessible to persons at windows, doors, etc.

**2. Point of Attachment** – The Point of Attachment of a service drop to a building shall, unless otherwise permitted by the Cooperative in writing, be between 15 and 25 feet above ground. The Point of Attachment shall be at a height to permit the service drop to be installed with a minimum

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clearance of 18 feet over public roads, streets or alleys, 15 feet over private driveways and 10 feet over space accessible to pedestrians only. A clearance of two feet shall be maintained from communication wires. The Normal Point of Attachment for overhead service to residential customers shall be on the outside wall of the end of the building nearest to the source of the Cooperative's facilities entering the Member's premises. For underground electric service to residential Members, the Normal Point of Attachment shall be on the outside wall of the end of the building or the nearest convenient point on the outside of the front or back wall adjacent to the end of the building nearest the source of the Cooperative's facilities entering the Member's premises. The Normal Point of Attachment for all other customers shall be at a location designated by the Cooperative.

**3. Location of Meter Base** – The meter base (when required) shall be installed by the Member or the Member's electrical contractor. The meter base shall be installed at a location acceptable to the Cooperative and shall allow the Cooperative reasonable access to the meter at all times. Where there will be multiple meter bases such as an apartment building, condominium, communications tower, etc. gang meter bases shall be utilized to the extent possible. The horizontal centerline of the meter base shall be located at a height not less than 4 feet, and not more than 6 feet.

**4. Support for Conductors** – The Member shall provide and maintain a safe support for the Cooperative's service wires and in no case will the Cooperative be responsible for the condition of any Member's building to which the wires are attached. Ranch type houses or buildings having a low roof may require an extension support above the roof in order to provide the necessary clearances. Where steel conduit is used for the extension support, it shall have a minimum diameter of 2 ½ inches and shall not extend over 4 feet above the roof. Where meter poles are used, the minimum pole diameter shall be 6 inches. The pole shall be at least 20 feet in length with 15 feet above ground. Four by four posts shall not be allowed whether braced or not.

**5. Service at Primary Voltage** – If a Member desires to take service at primary voltage, all substation structures and or vaults and all substation electrical equipment shall be installed, owned and maintained by the Member unless special written arrangements are made with the Cooperative. All equipment shall comply in all respects with the National Electrical Code, National Electric Safety Code and Cooperative specifications.

**6. Standby Service** – The electric service of the Cooperative shall not be used as reserve or standby service or in any other way in conjunction with any other source of power without the Cooperative's written consent. Where an emergency source of supply is provided by the Member, parallel operation of the Member's generating equipment with the Cooperative's system will not be allowed except where the Member entered into a written contract with the Cooperative for load reduction purposes. A double throw switch must be used to prevent possible injury to the Cooperative's workers by making it impossible for power to be fed back into the main line from the emergency generator.

**7. Right to Install Equipment** – The Cooperative has the right install poles, lines, transformers or other equipment on the Member's property, and to locate a delivery point and meter thereon, as the Cooperative deems appropriate, considering without limitation the cost of construction, adequacy of electric service, and aesthetic appearance.

**8. Plats and Surveys required** – In Mobile Home Parks or Subdivisions, the Member or Applicant shall provide to the Cooperative one printed copy of a properly surveyed and recorded plat/drawing of the subdivision plus an electronic copy in AutoCAD® format (.dwg).

**9. Damage Caused by Construction** – The Member will sign an agreement absolving the

Cooperative from responsibility for damage to shrubs, trees, grass and underground pipes, lines, structures or objects not specifically located and properly marked by the Member prior to the beginning of construction.

**10. Right of Way Easements** – The Applicant will furnish, without cost to the Cooperative, necessary easements and rights of way across Applicant’s property for the supply of electric service to the Applicant and the Cooperative’s Members.

**11. Additional Charges** – Additional charges may be applied to Member as a contribution in aid of construction to cover extraordinary expenses including, by way of example, permits or condemnation expenses. Where applicable, the Cooperative’s legal expenses will be included in said charges. Generally, estimated costs will be required in advance, with an adjustment to reflect actual cost when such cost becomes known. A Member may be required to sign an agreement to reimburse the Cooperative for any and all such expenses in advance of the cooperative incurring any such extraordinary expenses or in advance of initiating any condemnation or other similar proceedings.

**12. Contributions, Fees and Charges** – No payment made by an Applicant or a Member as a contribution in aid of construction, service fee, or facilities charge shall entitle said Applicant or Member to ownership rights, rights of exclusive use, rights to restrict access by the Cooperative employees in the performance of their duties, the right to alter the Cooperative’s electric facilities, or the right to hinder the Cooperative from serving other Members via those electric facilities, except as may be otherwise provided by written agreement between the Cooperative and Applicant.

**13. Payments** – The Cooperative reserves the right to collect any line extension payments under this Plan before installation of the facilities begins. In the Cooperative’s sole discretion, payments may be paid in up to six equal installments included as a part of the Member’s first six monthly electric service bills.

The Member may be allowed to perform certain tasks in order to reduce the Member payment obligations to the Cooperative, provided the Cooperative determines that the Member’s work will not reduce the installation quality and maintenance of the facilities to be installed and such work is inspected by the Cooperative and deemed acceptable. Such tasks include trenching, right of way clearing for overhead facilities, rock removal, and cutting and replacing pavement and other obstructions that would impede the Cooperative from using normal construction materials and equipment. When the Member elects to perform such work, the Member shall be solely responsible for obtaining all necessary permits, consulting with the Cooperative to ensure the work complies with Cooperative requirements, and complying with all state, federal, and local laws and regulations.

**14. Idle Facilities** –If a line is removed and service is required back at the location at a later date, service can be provided in accordance with the extension policy in effect at the time that the request to have service reinstalled is made.

## **C. Overhead Line Extensions**

**1. Extensions of a Temporary Nature or to Temporary Members** – Standard overhead extensions to serve temporary Members will be made only if the Applicant pays the total estimated cost of installing and removing all electric facilities required for such service. Fees for single phase temporary service for construction purposes, which will result in a permanent service

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location, will not be charged when such extension requires no more than a transformer, 75 feet of service drop and meter.

## **2. Extensions to Private Use Residential and Other Non-Commercial Loads**

**a. Individual (i.e. single family) Residential Dwellings** – Standard single phase overhead extensions to serve an individual residence constructed so as to be an enduring, permanent-type dwelling/home will be made at no cost to the Applicant, provided the construction does not require a plant investment of more than two spans of primary conductor (up to two poles maximum), transformer, service drop and meter. An enduring, permanent-type dwelling/home shall be on property owned or mortgaged by the Applicant, which shall have potable water under pressure into the dwelling with permanent type-plumbing, an appropriate permanent sanitary waste system, and shall be accessible by an all-weather road.

In the event the service extension requires more than two spans, an estimated cost of construction beyond two spans shall be paid by the Applicant as a contribution in aid of construction. Unless payment arrangements have been approved by the cooperative, any such contribution in aid of construction must be paid prior to construction of any electric facilities. In cases where the Applicant can show reasonable proof that there will be additional customers served by the facilities required to serve the Applicant, the Cooperative will consider these additional customers in calculating the contribution in aid of construction.

The Member shall supply and own the service conductors for service entrances over 400 amps. Residences that require three-phase service shall be treated as commercial installations as specified in Paragraph 3(d.) below.

**b. Miscellaneous Non-Commercial Loads (e.g., outbuildings, pumps, etc. used for non-business purposes)** - Standard single phase overhead extensions to serve loads associated with a residence, or a non-commercial structure that does not meet the definition of an enduring, permanent type dwelling in Paragraph 2a or any other load of a non-commercial nature, including without limitation shops, pumps, outbuildings and other similar service purposes will be made at no cost to the Applicant provided the construction does not require a plant investment of more than a transformer, service drop and meter. In the event that a plant investment of more than a transformer, service drop and meter is required, the Applicant shall be required to pay a contribution in aid of construction, which must be paid prior to construction of any electric facilities.

**c. Seasonal Non-Commercial Loads** – Standard overhead single phase temporary service for seasonal service to non-commercial Members will not be charged when such extension requires no more than a transformer, 75 feet of service drop and meter. In the event that the service extension requires more than a transformer, 75 feet of service drop and meter, the Applicant shall be required to pay a contribution in aid of construction, which must be paid prior to construction of any electric facilities.

## **3. Extensions to Loads of a Commercial Nature (including residential developments for resale or rent)**

**a. Mobile Home Parks or Subdivisions** - Standard overhead extensions to serve mobile home parks or subdivisions require a contribution in aid of construction by the owner and/or developer. The contribution in aid of construction will be sufficient to include the estimated initial investment less \$2,000.00 for each mobile home to be located in the park or subdivision. An acceptable plat or survey as defined above must be submitted by the owner or developer, from which the Cooperative will develop electric service plans, determine estimated costs, and prepare contractual requirements as applicable. In order to assure recovery of its investment, the

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Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to, evidence of the final receipt of any and all necessary governmental approvals prior to construction of electric facilities.

**b. Subdivision for Residential Dwellings** - Standard overhead extension to residential subdivisions with restrictions for developing enduring, permanent-type homes will be made only where an acceptable plat or survey as defined above is provided by the owner and/or developer. A blanket subdivision easement suitable for recordation must be executed by the owner prior to sale of any individual lots. In order to assure recovery of its investment, the Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to evidence of the final receipt of any and all necessary governmental approvals prior to construction of any electric facilities. The estimated costs of new construction less \$2,000.00 for each dwelling to be located in the development shall be paid by the owner/developer as a contribution in aid of construction prior to construction of any electric facilities. The development cost will include new electric distribution facilities inside and outside the development required to provide (primary and secondary) service to each lot of record in the subdivision. Additionally, improvements required to increase the capacity of the existing distribution system outside the development will be paid by the Cooperative so long as those system improvements do not exceed \$100,000. If the expenses for such improvements outside the development exceed \$100,000 the Cooperative will determine the required contribution in aid of construction, taking into consideration the following:

- Existing density in the area of the development;
- Projected growth outside the development;
- Existing needs for system improvements in the area;
- Likelihood of timely development within the proposed subdivision;
- Creditworthiness of the developer; and
- Willingness and ability of the developer to provide any requested surety.

**c. Land Developments** – Standard overhead extensions to serve large scale commercial and/or recreational developments require special approval and must be submitted on an acceptable plat or survey as defined above. The Cooperative will develop electric service plans, determine estimated extension costs and any contribution in aid of construction, and prepare contractual arrangements as applicable. Any contribution in aid of construction must be paid prior to construction of any electric facilities. In order to assure recovery of its investment, the Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to evidence of the final receipt of any and all necessary governmental approvals prior to construction of electric facilities.

**d. Commercial and Industrial Members** - Standard overhead extensions to commercial and industrial Members will be considered individually and appropriate contractual arrangements made if required. The Applicant will be responsible for providing specific information, including without limitation, business identification/address (including corporate information), nature of business operation, connected electrical loads, operating service characteristics (i.e., desired operating voltage, phase configuration, hours of operation/production, etc.), main service panel data, and point of delivery location. The Cooperative will estimate all costs of construction and applicable operating and maintenance expenses to determine contractual arrangements necessary to recover such costs within a five (5) year contract period (or shorter period for loads not expected to be in place for five (5) years). In making such calculations, the expense for transformers and any other equipment that, in the Cooperative's judgment, could be utilized at other locations will be prorated according to its expected life. Any contribution in aid of construction to be paid by the Applicant must be paid prior to placement of any order of materials

and construction of any electric facilities by the Cooperative. The Applicant must grant an easement to the Cooperative providing for the location, protection and maintenance of electric facilities. All Applicants whose demand requirements exceed five hundred (500) kilowatts will be required to execute an Industrial Power Contract in a form acceptable to the Cooperative; provided, however, the Cooperative may, in its sole discretion, require contracts for Applicants whose demand requirements are less than five hundred (500) kilowatts.

**e. Apartments, Condominiums & Multiple Housing Units** – Standard overhead extensions to serve apartments, condominiums and other multiple housing units will be made at no cost to the owner and/or developer provided the estimated cost of construction does not exceed \$1,000 times the number of individual housing units. When the extension cost exceeds \$1,000 per unit, a contribution in aid of construction will be charged which will include the estimated initial investment of the facility cost exceeding the \$1,000 per unit allowance. When applicable, the contribution in aid of construction must be paid prior to construction of electric facilities.

**f. Commercial Seasonal Service** – Single or three phase overhead extensions for seasonal service to commercial Members will not be charged when such extension requires no more than transformer, service drop and meter and the load will not exceed twenty five (25) kilowatts in demand. In the event the service extension requires more than transformer, service drop and meter, an estimated cost of construction shall be paid by the Applicant as a contribution in aid of construction, and must be paid prior to construction of any electric facilities. Loads of more than twenty five (25) kilowatts are considered Commercial and Industrial and service will be provided as in 3(d) above.

**4. Non-Standard Service** – Extension requests for a non-standard service will require advance notice to and consent from the Cooperative regarding the form and type of service needed. Before proceeding with the purchase of equipment or wiring in such cases, the Applicant should contact the Cooperative. The Cooperative will furnish information in writing on the character of service available, location of the Cooperative's power lines, and the Cooperative's ability to meet special requirements. Nothing herein contained shall obligate the Cooperative to provide such special service.

**5. Security Lighting** – Security lights are available to both residential and non-residential Members for a flat monthly rental fee based on fixture and wattage. Members requesting security lighting service will be required to sign a twelve (12) month service contract. Security lighting will only be installed at locations where low voltage service exists. Special security lighting requests will be considered individually with Applicants responsible for such contracts and additional charges as may be required to provide recovery of investment and anticipated operating and maintenance costs.

## **D. Underground Line Extensions**

**1. Extensions of a Temporary Nature or to Temporary Members** – Standard underground extensions to serve temporary Members will be made only if the Applicant pays the total estimated cost of installing and removing all electric facilities required for such service. Single phase temporary service for construction purposes, which will result in a permanent service location, will be provided only when it can be serviced from an existing pad-mounted transformer. Customers shall not be charged when such extension requires no more than 15 feet of service drop and meter.

**2. Extensions to Private Use Residential and Other Non-Commercial Loads**

**a. Individual (i.e. single family) Residential Dwellings** – Standard single phase underground extensions to serve an individual residence constructed so as to be an enduring, permanent-type dwelling/home will be made at no cost to the Applicant, provided the construction does not require a plant investment of more than two hundred and fifty (250) feet of primary conductor, transformer, service drop and meter. An enduring, permanent-type dwelling/home shall be on property owned or mortgaged by the Applicant and shall have potable water under pressure into the dwelling with permanent type plumbing, an appropriate permanent sanitary waste system, and be accessible by an all-weather road.

In the event that the service extension requires more than two hundred and fifty (250) feet of primary conductor, transformer, service drop and meter, an estimated cost of construction shall be paid by the Applicant as a contribution in aid of construction, and must be paid prior to construction of any electric facilities. The Member shall supply and own the service conductors for service entrances over 400 amps. Residences that require three-phase service shall be treated as commercial installations as specified in Paragraph 3(d.) below.

**b. Miscellaneous Non-Commercial Loads (e.g. outbuildings, pumps, etc. used for non-business purposes)** - Standard single phase underground extensions to serve loads associated with a residence, or a non-commercial structure that does not meet the definition of an enduring, permanent type dwelling in Paragraph 2(a.) or any other load of a non-commercial nature, including without limitation shops, pumps, outbuildings and other similar service purposes, will be made at no cost to the Applicant, provided the construction does not require a plant investment of more than a transformer, service drop and meter. In the event that a plant investment of more than a transformer, service drop and meter is required, an estimated cost of construction above the cost to provide service shall be paid by the Applicant as a contribution in aid of construction, which must be paid prior to construction of any electric facilities.

**c. Seasonal Non-Commercial Loads** - Single phase standard underground temporary service for seasonal service to non-commercial Members will not be charged when such extension requires no more than a transformer, 75 feet of service drop and meter. In the event that the service extension requires more than a transformer, 75 feet of service drop and meter, an estimated cost of construction shall be paid by the Applicant as a contribution in aid of construction, and must be paid prior to construction of any electric facilities.

### **3. Extensions to Loads of a Commercial Nature (including residential developments for resale or rent)**

**a. Mobile Home Parks or Subdivisions** - Standard underground extensions to serve mobile home parks or subdivisions require a contribution in aid of construction by the owner and/or developer. The contribution in aid of construction will be sufficient to include the estimated initial investment less \$2,000.00 for each mobile home to be located in the park or subdivision. An acceptable plat or survey as defined above must be submitted by the owner or developer, from which the Cooperative will develop electric service plans, determine estimated costs, and prepare any required documents. In order to assure recovery of its investment, the Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to, evidence of the final receipt of any and all necessary governmental approvals prior to construction of electric facilities.

**b. Subdivision for Residential Dwellings** - Standard underground extensions serving residential subdivisions with restrictions for developing enduring, permanent-type homes will

be made only where an acceptable plat or survey as defined above is provided by the owner and/or developer. A blanket subdivision easement suitable for recordation must be executed by the owner prior to sale of any individual lots. In order to assure recovery of its investment, the Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to evidence of the final receipt of any and all necessary governmental approvals prior to construction of any electric facilities. The estimated costs of new construction less \$2000.00 for each dwelling to be located in the development shall be paid by the owner/developer as a contribution in aid of construction prior to construction of any electric facilities. The development cost will include new electric distribution facilities inside and outside the development required to provide service to each lot of record in the subdivision. Additionally, improvements required to increase the capacity of the existing distribution system outside the development will be paid by the Cooperative so long as those system improvements do not exceed \$100,000. If the expenses for such improvements outside the development exceed \$100,000 the Cooperative will consider approval of the required contribution in aid of construction, taking into consideration the following:

- Existing density in the area of the development;
- Projected growth outside the development;
- Existing needs for system improvements in the area;
- Likelihood of timely development within the proposed subdivision;
- Creditworthiness of the developer; and
- Willingness and ability of the developer to provide the Cooperative requested surety, if any.

**c. Land Developments** – Standard underground extensions to serve large scale commercial and/or recreational developments require special approval and must be submitted on an acceptable plat or survey as defined above. The Cooperative will develop electric service plans, determine estimated extension costs and any contribution in aid of construction and prepare contractual arrangements as applicable. Any contribution in aid of construction must be paid prior to construction of any electric facilities. In order to assure recovery of its investment, the Cooperative may require, in its sole judgment, sufficient evidence of the developer's intent and ability to complete the project, including but not limited to evidence of the final receipt of any and all necessary governmental approvals prior to construction of electric facilities.

**d. Commercial and Industrial Members** - Standard underground extensions to commercial and industrial Members will be considered individually, and appropriate contractual arrangements will be required. The Applicant will be responsible for providing specific information, including without limitation, business identification/address (including corporate information), nature of business operation, connected electrical loads, operating service characteristics (i.e., desired operating voltage, phase configuration, hours of operation/production, etc.), main service panel data, and point of delivery location. The Cooperative will estimate all costs of construction and applicable operating and maintenance expenses to determine contractual arrangements necessary to recover such costs within a five (5) year contract period (or shorter period for loads not expected to be in place for five (5) years). In making such calculations, the expense for transformers and any other equipment that, in the Cooperative's judgment, could be utilized at other locations will be prorated according to its expected life. Any required contribution in aid of construction to be paid by the Applicant must be paid prior to placement of any order of materials and construction of any electric facilities by the Cooperative. The Applicant must grant to the Cooperative an

easement providing for the location, protection and maintaining of electric facilities. Execution of Industrial Power Contracts will be required on all Applicants whose demand requirements exceed five hundred (500) kilowatts; further, the Cooperative may require contracts for Applicants whose demand requirements are less than five hundred (500) kilowatts.

**e. Apartments, Condominiums & Multiple Housing Units** – Standard underground extensions to serve apartments, condominiums, and other multiple housing units will be made at no cost to the owner and/or developer, provided the estimated cost of construction does not exceed \$1,000.00 times the number of individual housing units. When the extension cost exceeds \$1,000 per unit, a contribution in aid of construction will be charged, which will include the estimated initial investment of the facility cost exceeding the \$1,000 per unit allowance. When applicable, the contribution in aid of construction must be paid prior to construction of electric facilities.

**f. Commercial Seasonal Service** – Fees for standard single or three phase underground extensions for seasonal service to commercial Members will not be charged when such extension requires no more than transformer, service drop and meter and the load will not exceed twenty five (25) kilowatts in demand. In the event that the service extension requires more than transformer, service drop and meter, an estimated cost of construction shall be paid by the Applicant as a contribution in aid of construction, and must be paid prior to construction of any electric facilities. Loads of more than twenty five (25) kilowatts are considered Commercial and Industrial, and service will be provided as in 3(d.) above.

**4. Conversion from Overhead to Underground Service** – When a Member requests the Cooperative replace an existing overhead line with underground lines, such work will be completed in accordance with the following:

**a.** The Member must pay a contribution in aid of construction for the installation of underground facilities in an amount equal to the estimated cost of the facilities to be installed.

**b.** The Member must pay an amount in contribution in aid of construction amounting to the depreciated original cost of any existing overhead facilities, plus the estimated cost of removing such facilities. If the Member is adding load such that the Cooperative's existing facilities are no longer adequate then these removal costs will be waived.

**5. Non-Standard Service** – Extension requests of a non-standard underground service nature will require conferring in advance with the Cooperative regarding the form and type of service needed. Before the Applicant proceeds with the purchase of equipment or wiring in such cases, said Applicant should contact the Cooperative. The Cooperative will furnish information in writing on the character of service available, location of the Cooperative's power lines, and the Cooperative's ability to meet special requirements. Nothing herein contained shall obligate the Cooperative to provide such special service.

**6. Security Lighting** – In addition to other fees and requirements, Members requesting underground service to security lighting will be required to pay a contribution in aid of construction of \$75 for the first 150 feet (or any portion thereof) of cable necessary to serve said security light. For each foot in excess of 150 feet the Member will pay an additional \$.75 per foot up to a maximum of 300 feet for residential Members. In the event the 300 feet maximum distance is exceeded, the required contribution in aid of construction will be calculated in a

*Rate schedule effective July 26, 2010*

*Schedule of Charges and Requirements effective June 26, 2007*

*Line extension policy effective December 19, 2005*

manner determined in the sole discretion of the Cooperative. Security lighting will only be installed at locations where low voltage service exists. Special security lighting requests will be considered individually with Applicants responsible for such contracts and additional charges as may be required to provide recovery of investment and anticipated operating and maintenance costs.

## **E. Abnormal Line Extensions**

**1. Right-of-Way Clearing** – All right of way clearing for new line extensions will be cleared by the Cooperative. The cost for clearing rights of way will be considered in the calculations for any contribution in aid of construction. If, the Applicant so chooses, the Applicant can clear the right of way or have it cleared on his behalf to the Cooperative's specifications. When the Applicant chooses this option, those costs will not be a part of the calculations to determine any required contribution in aid of construction.

**2. Abnormal Construction** – Abnormal construction costs are incurred when physical obstacles or adverse conditions preclude the use of the Cooperative's standard construction methods, or extraordinary labor, as determined in the sole discretion of the Cooperative, is necessary to install the Cooperative's facilities to serve the Applicant. Abnormal Construction includes (but is not limited to) the following conditions: the composition of the land where underground facilities are to be installed is such that the Cooperative's standard construction equipment cannot be used to complete the installation, or extraordinary labor is required to perform the installation; special equipment and materials are needed for stream crossing structures or concrete structures; explosives are required; or additional cost will be incurred by the Cooperative in order to comply with requirements, if any, of a municipality, county, State and/or Federal agency or department regarding the replacement of pavement, ditching, or compaction, backfilling or other related conditions. Also, when it is necessary to install underground facilities under existing streets, sidewalks, patios, or other paved areas, the Member shall contribute the additional costs attributed to said installation.

**3. Abnormal Design** – Abnormal design costs are incurred when the Member requests facilities or construction methods that exceed the Cooperative's standard engineering design practices and/or the standard design for normal service for a specific Member. Where abnormal installation costs are incurred by the Cooperative, the Member shall, in addition to any other charges contained in this Plan, pay for the excess costs incurred by the Cooperative.

**4. Obstructions** – The party requesting the Cooperative's distribution facilities to be installed shall remove all obstructions from the route along which the Cooperative's underground facilities are to be installed, and provide continuing access to the Cooperative for operation, maintenance or replacement of these facilities. The Cooperative shall not be responsible for any damage to any shrubs, trees, grass or any other foliage or property caused by the Cooperative's equipment during installation, maintenance or replacement of the Cooperative's facilities. The Member shall be responsible for all such items, and for filling, reseeding, resodding or otherwise completing the trench cover. The Cooperative shall not be responsible for the repair or replacement of any underground facilities on the Member's premises damaged during the installation of the Cooperative's facilities, unless, prior to the Cooperative's construction, the Member clearly identified the location of such facilities. The party requesting the Cooperative's distribution facilities shall install conduit specified by the Cooperative in locations where underground

conductors will cross underneath paved areas when paving is completed prior to the installation of the Cooperative's underground conductors.