

BLUE RIDGE ELECTRIC MEMBERSHIP CORPORATION

Schedule Number: 1.2

ELECTRIC RATE

SCHEDULE RE - RESIDENTIAL ALL ELECTRIC

Availability:

Available only to residential members in individually metered permanent residences that meet the requirements listed below.

Membership:

Each consumer receiving service under this schedule shall be a member of the Cooperative and agrees to comply with the bylaws and abide by all service rules and regulations as adopted by the Cooperative's Board of Directors.

I. General Requirements:

- A. All energy required for all water heating, cooking, clothes drying, and primary environmental space conditioning must be supplied electrically.
- B. Electric heat and water heating must be permanently installed according to the manufacturer's recommendation and code specifications. Electric heat must be used to supply the primary heating requirements throughout the residence—primary meaning the main source of heat, supplying the majority of the residence's heating requirements on an ongoing basis. Non-electric space heating sources (such as non-ducted wood stoves, gas logs, and portable kerosene heaters, etc.) are permitted only for supplemental use and are subject to approval.

Dual fuel heat pumps may qualify for this rate if all other rate requirements are met. An outdoor thermostat is required and must be set no higher than 5° above the home's calculated thermal balance point. (Above balance point, compressor only operates.)

- C. Electric heating capacity of 15% more than required may disqualify at the option of Blue Ridge Electric.
- D. Room type heating systems shall be controlled by individual room thermostats.

II. Thermal Conditioning Requirements:

A. Site Built Homes: (does not include log homes)

- 1. Thermal requirements for site built homes with construction beginning before November 1, 1993, are as follows:

Ceilings shall have insulation installed having a minimum resistance value of R-30.

Walls exposed to full temperature difference or unconditioned space shall have a total minimum resistance value of R-11.

Floors over unconditioned space shall have insulation installed having a minimum resistance value of R-19.

Windows shall be insulated glass or equipped with storm windows and well caulked.

SCHEDULE RE - RESIDENTIAL ALL ELECTRIC

<u>Doors</u>	exposed to full TD shall be weather-stripped and equipped with storm doors or be of the insulated type. Other doors exposed to unconditioned areas (garage, etc.) must be weather-stripped.
<u>Air Ducts</u>	located outside of conditioned space must have all joints mechanically fastened and sealed, and a minimum of two inches of R-6.5 duct wrap insulation, or its equivalent.
<u>Attic Ventilation</u>	must be a minimum of one square foot of free area for each 150 square feet of attic space. A ceiling vapor barrier, in lieu of free area, may be used where necessary, subject to special approval.
<u>Fireplaces</u>	must have tight fitting dampers or glass doors.
<u>Air Infiltration</u>	cracks around windows and doors where air leakages may occur shall be sealed.

Alternate Equivalent Performance Standards:

Variations may be made in the insulation standards as long as total heat loss does not exceed that calculated using the specified standards above. Duct or pipe loss shall be included in the computation of total heat losses. ACCA's Manual J or the current edition of the ASHRAE guide for calculating heat loss shall be the source for heat loss calculations.

A minimum insulation value of R-19 ceilings, R-11 walls (R-9 for log walls), and R-11 floors is required when these areas are exposed to an unconditioned space.

2. Thermal requirements for site built homes, construction between November 1, 1993 to July 1, 1997, are as follows:

<u>Ceilings</u>	shall have insulation installed having a minimum resistance value of R-30.
<u>Walls</u>	exposed to full temperature difference or unconditioned space shall have a total minimum resistance value of R-16.
<u>Floors</u>	over unconditioned space shall have insulation installed having a minimum resistance value of R-19. Concrete slab floors shall have perimeter insulation installed having a minimum resistance value of R-5.
<u>Windows</u>	shall be insulated glass or equipped with storm windows and well caulked.
<u>Doors</u>	exposed to full TD shall be weather-stripped and equipped with storm doors or be of the insulated type. Other doors exposed to unconditioned areas (garage, etc.) must be weather-stripped.
<u>Air Ducts</u>	located outside of conditioned space must have all joints mechanically fastened and sealed, and a minimum of two inches of R-6.5 duct wrap insulation, or its equivalent.
<u>Attic Ventilation</u>	must be a minimum of one square foot of free area for each 150 square feet of attic space. A ceiling vapor barrier, in lieu of free area, may be used where necessary, subject to special approval.

SCHEDULE RE - RESIDENTIAL ALL ELECTRIC

Air Infiltration openings around windows, doors, wiring, and plumbing penetrations to non-conditioned areas, and other openings in the exterior shell where air leakages may occur shall be caulked, gasketed, weather-stripped, or otherwise sealed in an approved manner. Exterior sill plates and sole plates must be sealed.

Fireplaces must have tight fitting dampers or glass doors.

Vapor Barrier A continuous vapor barrier installed in accordance with the manufacturers and building code specifications are required on all exterior walls. A six-mil polyethylene vapor barrier or its equivalent must be used under concrete slabs and in crawl spaces.

Alternate Equivalent Performance Standards:

Variations may be made in the insulation standards as long as total heat loss does not exceed that calculated using the specified standards above. Duct or pipe loss shall be included in the computation of total heat losses. ACCA Manual J or the current edition of the ASHRAE guide for calculating heat loss shall be the source for heat loss calculations. A minimum insulation value of R-19 ceilings, R-11 walls (R-9 for log walls), and R-11 floors is required when these areas are exposed to an unconditioned space.

3. Thermal requirements for site built homes constructed after July 1, 1997 must comply with the standards in the North Carolina Model Energy Code.

B. Log Homes:

1. Thermal requirements for log homes with construction beginning before November 1, 1993, are as follows:

Walls log walls shall have a total minimum resistance value of R-9 and a minimum average thickness of six (6) inches. Other wall construction types exposed to an unconditioned space shall have a total minimum resistance value of R-11.

Air Infiltration joints between each log in walls exposed to unconditioned areas shall be gasketed, weather-stripped, or otherwise sealed in an approved manner.

Openings around windows and doors and other openings in the exterior shell where air leakages may occur shall be sealed.

All other thermal requirements listed under II-A-1 above.

2. Thermal requirements for log homes constructed after November 1, 1993 to July 1, 1997, are as follows:

Walls log walls shall have a total R-value of not less than R-9 and a minimum average thickness of 6 inches.

Other wall construction types exposed to full temperature difference or an unconditioned space shall have a total minimum resistance value of R-16.

SCHEDULE RE - RESIDENTIAL ALL ELECTRIC

Air Infiltration joints between each log in walls exposed to unconditioned areas shall be gasketed, weather-stripped, or otherwise sealed in an approved manner. Openings around windows and doors and other openings in the exterior shell where air leakages may occur shall be sealed.

All other thermal requirements listed under II-A-2 above.

3. Thermal requirements for log home construction after July 1, 1997 must comply with the standards in the North Carolina Model Energy Code.

C. Manufactured Homes:

1. Thermal requirements for manufactured homes constructed before October 25, 1994, are as follows:

Ceilings shall have insulation installed having a minimum resistance value of R-26.

All other thermal requirements listed under II-A-1 above.

2. Thermal requirements for manufactured homes constructed after October 25, 1994, are as follows:

- a. Manufactured homes shall meet or exceed the U.S. Department of Housing and Urban Development (HUD) Zone 2 Energy Conservation Standards and shall be certified by the manufacturer as meeting or exceeding the HUD Zone 2 standards.

(Note: A composite U_o value of .096 or less is required. A minimum insulation value of R-26 ceilings, R-11 walls, R-19 floors is required. Any other alternate equivalent performance standards do not apply.)

- b. All other thermal requirements listed under II-A-2 above.

III. Electric water heating requirements are as follows:

- A. Electric water heaters shall be installed and used to supply the entire water heating requirements. Water heaters shall be of the automatic insulated storage type, of not less than 30-gallon capacity, and may be equipped with only a lower element or with a lower element and an upper element.
- B. Storage type heaters having only a lower element may have wattages up to, but not exceeding, the specific wattages as shown below for various tank capacities:

<u>Tank Capacity in Gallons</u>	<u>Maximum Single Element Wattage</u>
30-49	4500
50 and larger	5500

- C. Heaters having both a lower and an upper element may have wattages in each element up to, but not exceeding, the specific wattages set forth in the table above for single element heaters, but they must have interlocking thermostats to prevent simultaneous operation of the two elements. However, if the sum of the wattages of the two elements does not exceed the specific wattages for single element heaters set forth in the table above, no interlocking device will be required.

SCHEDULE RE - RESIDENTIAL ALL ELECTRICType of Service:

The Cooperative will furnish 60-cycle service through one meter at the following approximate voltages where available:

Single-phase, 120/240 Volts, or
 Three-phase, 208Y/120 Volts, or
 Three-phase, three wire, 240 Volts

Prospective members should ascertain the available supply voltage at the nearest Cooperative office before acquiring equipment.

Monthly Rate:

Basic Facilities Charge:	
Single-phase	\$24.95
Three-phase	\$36.95
Prepay Meter Option Charge:	\$10.00
Energy Charge:	
Summer (June - October)	9.95¢ per kWh
Winter (November – May)	
First 750 kWhs	9.69¢ per kWh
Next 550 kWhs	9.55¢ per kWh
Over 1,300 kWhs	9.25¢ per kWh

Minimum Bill:

The minimum monthly bill shall be the basic facilities charge and prepay meter option charge (if applicable).

Prepay Meter Option:

For members choosing to purchase electricity under the Cooperative's Prepay Meter Option, the charge will recover the additional costs of the equipment and administration.

Payment:

Payment for electric service is due when bill is rendered. Bills are considered past due after twenty-five days and service is subject to be disconnected after due notice. A deposit as specified in the Cooperative's Service Rules and Regulations may be required.

Low Income Assistance:

Any member who has attained the age of 65, and who is receiving Supplemental Security Income (SSI) under the program administered by the Social Security Administration, may be eligible to receive a credit of \$5.00 per month on their basic service charge. This credit is available upon request for up to one account per eligible member and is subject to age and income verification.

SCHEDULE RE - RESIDENTIAL ALL ELECTRIC

Wholesale Power Cost Adjustment:

The above charges per kWh will be increased or decreased by 0.00001 cents per kWh or major fraction thereof, adjusted for line loss, by which the Cooperative's cost of purchased power per kWh exceeds or is less than Factor B of Schedule 8.1 - Wholesale Power Cost Adjustment Clause.

Capital Credits:

All monies received in excess of the cost of operating the Cooperative to provide service to members billed under this schedule shall be allocated to each member at the close of each fiscal year based on the billing of each member and credited to each member's capital credits account to be refunded as provided in the Bylaws.

Conditions of Service:

Billing of service under this rate schedule will begin after the member has provided certification to Blue Ridge Electric that rate qualifications have been met. Blue Ridge Electric, at all reasonable times, shall have the right to periodically inspect the premises of the member for compliance with the requirements.

North Carolina Sales Tax:

The above rate does not include N. C. sales tax. Any applicable sales tax will be computed and included on the bill.

Effective on bills rendered after March 3, 2010

Approved by Board of Directors October 22, 2009