



# Residential Conservation (RC) Rate Application/Certification Form

The Residential Conservation (RC) rate is available to residential members in individually metered permanent residences that meet the rate requirements. Detailed rate specifications are available online at [www.blueridgeenergy.com](http://www.blueridgeenergy.com) under the link "Understanding Your Bill."

Please complete this form and return by mail to: **Jon Jacob**  
**Blue Ridge Energy**  
**PO Box 112 Lenoir**  
**NC 28645**

Or, you may fax to 828.758.2699, Attn: Jon Jacob. We will contact you regarding the status of your application. Please indicate the best time to call: \_\_\_\_\_

Member's name listed on electric account:			Account Number:		
Mailing Address:		City:	State:	Zip:	
Service Address: (if different from mailing address)		City:	State:	Zip:	
Home Phone (    )		Work Phone: (    )		Cell Phone: (    )	
Type of Residence:	<input type="checkbox"/> Condominium <input type="checkbox"/> Single Family <input type="checkbox"/> Apartment	<input type="checkbox"/> Town House <input type="checkbox"/> Modular Home <input type="checkbox"/> Log home	<input type="checkbox"/> Single-wide manufactured home <input type="checkbox"/> Double-wide manufactured home		
Year home was built:			Approximate heated area square footage		
Is there electric heat in the residence? <input type="checkbox"/> Yes <input type="checkbox"/> No    If yes, please check type					
<input type="checkbox"/> heat pump		<input type="checkbox"/> ductless heat pump		<input type="checkbox"/> dual-fuel heat pump <input type="checkbox"/> electric furnace	
<input type="checkbox"/> radiant floor system		<input type="checkbox"/> electric baseboard or ceiling cable		<input type="checkbox"/> other _____	
Please check the type(s) of air conditioning in the residence.					
<input type="checkbox"/> heat pump(s)		<input type="checkbox"/> ductless heat pump(s)		<input type="checkbox"/> central air	
				<input type="checkbox"/> window units	
Is there an electric water heater in the residence? <input type="checkbox"/> Yes <input type="checkbox"/> No					
If yes, please indicate type: <input type="checkbox"/> tank storage type <input type="checkbox"/> tankless "on-demand" type					

## Energy Efficiency Requirements

Electric heat and/or electric water heating is not required, but if present, must be installed according to sound engineering practices in accordance with manufacturer recommendations and applicable North Carolina energy code specifications.

- Ceilings**            Shall have insulation installed having resistance value of R-38
- Walls**                Exposed to full temperature difference or unconditioned space shall have a total resistance of not less than R-12
- Floors**                Over crawl space or unconditioned space shall have insulation installed having an R-19
- Windows**            Shall be insulated glass or equipped with storm windows and well caulked.
- Doors**                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.

- Air Ducts** Located outside of conditioned space must have (1) all joints mechanically fastened and sealed and (2) a minimum of two inches of R-6.5 duct wrap insulation or its equivalent.
- Attic Ventilation** 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.
- Fireplaces** Must have tight fitting dampers or glass doors.

Residence meets all energy efficiency requirements:  Yes  No

If no, please contact the Cooperative if you wish to apply under the alternate performance standard listed below.

**Alternate Equivalent Performance Standards:**

*Variations may be made in the insulations standards as long as total heat loss does not exceed that calculated using the specific 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.*

**Electric Water Heater Requirements:**

1. Electric water heaters of the automatic insulated storage type may be equipped with only a lower element or with a lower element and an upper element.
2. 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	4,500
50 and larger	5,500

3. 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 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.

Residence with electric water heater(s) meets all water heater requirements:  Yes  No

**As the member for the account referenced above, I certify that to the best of my knowledge the above information is correct and hereby make application for the Residential Conservation (RC) rate. I understand and agree that the Cooperative reserves the right to inspect the residence for rate compliance.**

**Member's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_