

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**WAYNESVILLE, NORTH CAROLINA**

**ELECTRIC RATE SCHEDULES**



**Effective for All Bills Rendered On or After June 1, 2016**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**

**ELECTRIC RATE SCHEDULES  
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**Effective for All Bills Rendered On or After June 1, 2016**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SMALL GENERAL SERVICE**

**Rate Schedule 10 (single-phase)**  
**Rate Schedule 11 (three-phase)**

**AVAILABILITY**

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

**APPLICABILITY**

Service under this schedule is applicable to all residential members with single-phase service, all non-residential members with single-phase service requiring transformer capacity of less than or equal to 25 kVA, and for members with three-phase service requiring less than or equal to 25 kVA of combined transformer capacity.

**TYPE OF SERVICE**

The type of service under this schedule shall be single-phase, 60 cycles, at 120/240 volts, and where available, three-phase at this and other secondary voltages.

**MONTHLY RATE**

Basic Facilities Charges:

Single Phase	\$ 25.00
Three Phase	\$ 55.00

Energy Charge:

All kWh	11.754¢ per kWh
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**MINIMUM MONTHLY CHARGES**

The minimum monthly charges shall be the appropriate Basic Facilities Charge.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

## **Schedules 10 & 11**

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### **ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

### **CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

### **TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

**Effective for All Bills Rendered On or After July 1, 2014**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SMALL GENERAL PREPAY METER SERVICE**

**Rate Schedule PPM-10 (single-phase)**  
**Rate Schedule PPM-11 (three-phase)**

**AVAILABILITY**

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

**APPLICABILITY**

Service under this schedule is applicable to all residential members with single-phase service, all non-residential members with single-phase service requiring transformer capacity of less than or equal to 25 kVA.

**TYPE OF SERVICE**

The type of service under this schedule shall be single-phase, 60 cycles, at 120/240 volts.

**MONTHLY RATE**

Basic Facilities Charges:

Single Phase \$ 32.00

Energy Charge:

All kWh 11.754¢ per kWh

**MINIMUM MONTHLY CHARGES**

The minimum monthly charges shall be the appropriate Basic Facilities Charge.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

## **Schedules PPM-10 & PPM-11**

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### **ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

### **CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

### **TERMS OF PAYMENT**

Billing under this schedule occurs on a daily basis, Monday through Friday. Members are required to maintain a credit balance at all times. If a daily billing results in a debit balance, service will be terminated until such time as the member makes sufficient payment to result in a credit balance. The member is responsible for monitoring use and making payments as necessary to maintain a credit balance.

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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SMALL GENERAL TIME-OF-DAY SERVICE**

**Rate Schedule 12 (single-phase)**  
**Rate Schedule 13 (three-phase)**

**AVAILABILITY**

At the option of the Cooperative, this schedule is only available on a voluntary and limited basis. 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 members utilizing this rate schedule in a general area.

**APPLICABILITY**

Service under this schedule is applicable to members with single-phase or three-phase service who are otherwise billed on the Cooperative's Small General Service rate schedules (Schedules 10, 11, or 14) who have established an average monthly energy use of 1,200 kWh.

**TYPE OF SERVICE**

The type of service available under this schedule shall be single-phase, 60 cycles, at 120/240 volts, and where available, three-phase at this and other secondary voltages. All motors must be of types approved by the Cooperative, with minimum starting current and with controlling devices where necessary.

**MONTHLY RATE**

Basic Facilities Charges:

Single Phase	\$ 27.50
Three Phase	\$ 55.00

Demand Charges:

All On-Peak kW	\$14.50 per kW
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Energy Charge:

All kWh	7.22¢ per kWh
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**MINIMUM MONTHLY CHARGES**

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

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

**ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

**DETERMINATION OF ON-PEAK AND OFF-PEAK PERIODS**

A. Winter Periods – October 16 through April 15

1. On-Peak Hours – 6:00 a.m. to 9:00 a.m. weekdays, excluding designated holidays.
2. Off-Peak Hours – Off-peak hours are all hours other than those shown in paragraph "A1" above.

B. Summer Periods – April 16 through October 15

1. On-Peak Hours – 3:00 p.m. to 6:00 p.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.

**DETERMINATION OF BILLING DEMAND**

The on-peak billing demand shall be the maximum integrated demand measured during peak periods during the month for which the bill is rendered as indicated or recorded by a demand meter.

**SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

**POWER FACTOR ADJUSTMENT**

The member agrees to maintain unity power factor as nearly as practicable. The Cooperative reserves the right to measure such power factor at any time. When the average monthly power factor of the customer's power requirements is less than 85 percent, the Cooperative may correct the integrated demand in kilowatts for the month by multiplying by 85 percent and dividing by the average power factor in percent for that month.



**Schedules 12 & 13**

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**CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

**TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SMALL GENERAL DEMAND SERVICE**

**Rate Schedule 14 (Single-Phase)**

**AVAILABILITY**

This voluntary schedule is closed and not available to new members after November 1, 1987, and is subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

This schedule is applicable to residential and small general service members with single-phase service.

**TYPE OF SERVICE**

The type of service available under this schedule shall be single-phase, 60 cycles, at available secondary voltages. All motors must be of types approved by the Cooperative, with minimum starting current and with controlling devices where necessary.

**MONTHLY RATE**

Basic Facilities Charge:

Single Phase \$ 27.50

Demand Charges:

All Peak kW \$8.70 per kW

Energy Charge:

All kWh 7.03¢ per kWh

**MINIMUM MONTHLY CHARGES**

The minimum monthly charge shall be the Basic Facilities Charge.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

## **Schedule 14**

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### **ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

### **DETERMINATION OF BILLING DEMAND**

The billing demand shall be the maximum integrated demand measured during the month for which the bill is rendered as indicated or recorded by a demand meter.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

### **POWER FACTOR ADJUSTMENT**

The member agrees to maintain unity power factor as nearly as practicable. The Cooperative reserves the right to measure such power factor at any time. When the average monthly power factor of the customer's power requirements is less than 85 percent, the Cooperative may correct the integrated demand in kilowatts for that month by multiplying by 85 percent and dividing by the average power factor in percent for that month.

### **VOLUNTARY PROVISION**

Members may elect to transfer from this rate schedule to rate schedules 10, 12, or 17. If a member elects to transfer off this rate schedule, it will be the Cooperative's responsibility to make the transfer within three (3) months after receiving a written request signed by the member requesting rate schedule transfer. Removal of the installed demand meter will be at the Cooperative's discretion.

### **CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

### **TERMS OF PAYMENT**

Bills under this Schedule are due and payable on the due date of the bill, during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SMALL GENERAL \$SMART RATE SERVICE**

**Rate Schedule 17 (single-phase)**  
**Rate Schedule 18 (three-phase)**

**AVAILABILITY**

At the Cooperative's option, this schedule is available on a voluntary and limited basis, subject to the Cooperative's established Service Rules and Regulations.

**APPLICABILITY**

This schedule is applicable to residential or general service customers with single-phase or three-phase service supplied through a meter to each individual residence or service unit. The home must have primary electric space heating and water heating separately metered and controlled with a load management switch. The member may also elect to have electric air conditioning and/or the following 240-volt (minimum 2 kW each) appliances separately metered and controlled as well: clothes dryers, hot tubs, spas, saunas, or pool heaters. The air-conditioning mode of a heat pump is automatically included for a heat pump on this rate. All the separately metered and controlled appliances and devices will automatically be switched off when the Cooperative controls peak demand with its load management system. Members are responsible for the operation of their backup heating or cooling systems and their own comfort during these control times.

**TYPE OF SERVICE**

The type of service available under this schedule shall be single-phase, 60 cycles, at 120/240 volts, and where available, three-phase at this and other secondary voltages.

**MONTHLY RATE**

Basic Facilities Charges:

Single Phase	\$ 27.50
Three Phase	\$ 55.00

Energy Charges:

Uncontrolled kWh	11.754¢ per kWh
Controlled kWh	9.650¢ per kWh

**MINIMUM MONTHLY CHARGES**

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

## **Schedules 17 & 18**

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### **METERING**

All meters required for this rate must be located outdoors. The Cooperative will furnish the meters and meter bases necessary for this rate. The member will be responsible for the wiring and installation. The Cooperative must approve the proposed metering installation prior to being installed. The Cooperative also reserves the right to inspect this installation, periodically.

### **NON-LIABILITY**

Haywood Electric Membership Corporation assumes no liability or responsibility for damage or injury to property or persons, which may result from the installation of or any failure or malfunction of any installed load control device.

### **WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

### **RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

### **ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

### **CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

### **TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill, during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**LARGE GENERAL SERVICE**

**Rate Schedule 20 (single-phase)**  
**Rate Schedule 21 (three-phase up to 50 kVA)**  
**Rate Schedule 30 (three-phase greater than 50 kVA)**

**AVAILABILITY**

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

**APPLICABILITY**

Service under this schedule is applicable to non-residential members with single-phase service who require greater than 25 kVA of transformer capacity and all members with three-phase service requiring greater than 25 kVA of transformer capacity.

**TYPE OF SERVICE**

The type of service available under this schedule shall be single-phase, 60 cycles, at 120/240 volts, and where available, three-phase at this and other secondary voltages. All motors must be of types approved by the Cooperative, with minimum starting current and with controlling devices where necessary.

**MONTHLY RATE**

Basic Facilities Charges:

Single-Phase	\$ 50.00
Three-Phase	
Up to 50 kVA	\$ 85.00
Over 50 kVA	\$ 170.00

Demand Charge:

All kW	\$ 6.15 per kW
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Energy Charges:

First 200 kWh per kW of demand	6.78¢ per kWh
Next 200 kWh per kW of demand	5.85¢ per kWh
All kWh over 400 per kW of demand	5.22¢ per kWh

**MINIMUM MONTHLY CHARGES**

The minimum monthly charges shall be the highest of:

1. The appropriate Basic Facilities Charge,
2. The minimum specified in the contract for service, or
3. \$1.00 per kVA of installed transformer capacity.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

**ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

**SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

**DETERMINATION OF BILLING DEMAND**

The billing demand shall be the higher of:

1. The maximum integrated demand measured during the month for which the bill is rendered as indicated or recorded by a demand meter, or
2. 25-percent of the highest demand recorded during the preceding eleven (11) months.

**POWER FACTOR ADJUSTMENT**

The member agrees to maintain unity power factor as nearly as practicable. The Cooperative reserves the right to measure such power factor at any time. When the average monthly power factor of the customer's power requirements is less than 85 percent, the Cooperative may correct the integrated demand in kilowatts for that month by multiplying by 85 percent and dividing by the average power factor in percent for that month.

**DISCOUNT FOR PRIMARY SERVICE**

The above rates and charges are based upon service provided and delivered by the Cooperative at secondary distribution voltages. If service is delivered to the consumer on a primary distribution, and the consumer owns, operates, and maintains the transformation equipment and the secondary distribution system, a discount of \$0.45 per kW of billing demand shall be applied.

**CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

**TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill, during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**  
**Effective for All Bills Rendered On or After July 1, 2014**



**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**LARGE GENERAL TIME-OF-DAY SERVICE**

**Rate Schedule 22 (single-phase)**  
**Rate Schedule 23 (three-phase up to 50 kVA)**  
**Rate Schedule 31 (three-phase greater than 50 kVA)**

**AVAILABILITY**

At the Cooperative's option, this schedule is available only on a voluntary and limited basis. 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 members utilizing the rate schedule in a general area.

**APPLICABILITY**

Service under the schedule is applicable to members who qualify for service on any of the Cooperative's Large General Service Schedule 20, 21, or 30.

**TYPE OF SERVICE**

The type of service available under this schedule shall be single-phase, 60 cycles, at 120/240 volts, and where available, three-phase at this and other secondary voltages. All motors must be of types approved by the Cooperative, with minimum starting current and with controlling devices where necessary.

**MONTHLY RATE**

Basic Facilities Charges:

Single-Phase	\$ 55.00
Three-Phase	
Up to 50 kVA	\$ 93.50
Over 50 kVA	\$ 190.00

Demand Charges:

All On-Peak kW	\$ 13.70 per kW
All Off-Peak kW	\$ 2.45 per kW

Energy Charge:

All kWh	4.51¢ per kWh
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**MINIMUM MONTHLY CHARGES**

The minimum monthly charges shall be the highest of:

1. The Basic Facilities Charge,
2. The minimum specified in the contract for service, or
3. \$1.00 per kVA of installed transformer capacity.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**RENEWABLE ENERGY PORTFOLIO STANDARD (REPS) ADJUSTMENT**

The consumer's monthly bill shall also include a REPS adjustment based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Rider REPS.

**ENERGY EFFICIENCY RIDER**

The Energy Efficiency Rider is also applicable to this rate schedule. The current Energy Efficiency Rider charge applicable to this schedule must be added to the cents per kWh above to determine the monthly energy charges.

**DETERMINATION OF ON-PEAK AND OFF-PEAK PERIODS**

- A. Winter Periods – October 16 through April 15
  - 1. On-Peak Hours – 6:00 a.m. to 9:00 a.m. weekdays, excluding designated holidays.
  - 2. Off-Peak Hours – Off-peak hours are all hours other than those shown in paragraph “A1” above.
- B. Summer Periods – April 16 through October 15
  - 1. On-Peak Hours – 3:00 p.m. to 6:00 p.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.

**SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

**DETERMINATION OF BILLING DEMAND**

The on-peak billing demand shall be the maximum integrated demand measured during peak periods during the month for which the bill is rendered as indicated or recorded by a demand meter. Off-peak kW demand shall be the maximum integrated demand measured during off-peak periods during the month for which the bill is rendered as indicated or recorded by a demand meter.

**POWER FACTOR ADJUSTMENT**

The member agrees to maintain unity owner factor as nearly as practicable. The Cooperative reserves the right to measure such power factor at any time. When the average monthly power factor of the customer's power requirements is less than 85 percent, the Cooperative may correct

## **Schedules 22, 23 & 31**

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the integrated demand in kilowatts for that month by multiplying by 85 percent and dividing by the average power factor in percent for that month.

### **DISCOUNT FOR PRIMARY SERVICE**

The above rates and charges are based upon service provided and delivered by the Cooperative at secondary distribution voltages. If service is delivered to the consumer on a primary distribution, and the consumer owns, operates, and maintains the transformation equipment and the secondary distribution system, a discount of \$.45 per kW of billing demand shall be applied.

### **CONTRACT PERIOD**

Each member may be required to enter into a contract to purchase power from the Cooperative. The term of the contract will be determined by the Cooperative, based on cost factors and the consumer's service requirements.

### **TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill, during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

**Effective for All Bills Rendered On or After July 1, 2014**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**SECURITY LIGHTING SERVICE**

**Rate Schedule 40**

**AVAILABILITY**

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

**APPLICABILITY**

Service under this schedule is applicable to all members of the Cooperative.

**TYPE OF SERVICE**

The type of service under this schedule shall be a yard, decorative, or security light operated from dusk to dawn.

**MONTHLY CHARGE**

175-Watt Mercury Vapor or 100-Watt High Pressure Sodium	\$ 13.25
400-Watt Mercury Vapor or 250-Watt High Pressure Sodium	\$ 17.80
1,000-Watt Mercury Vapor or 400-Watt High Pressure Sodium	\$ 32.10
1,000-Watt High Pressure Sodium	\$ 46.85
100-Watt High Pressure Sodium with Shoebox Fixture	\$ 14.80
100-Watt High Pressure Sodium with Black Post Top American Revolution Fixture on a 24-Foot Direct Buried Black Fiberglass Pole	\$ 15.50
100-Watt High Pressure Sodium with Bronze Shoebox Fixture on a 35-Foot Direct Buried Bronze Fiberglass Pole	\$ 28.65
250-Watt High Pressure Sodium with Bronze Floodlight Fixture Only	\$ 15.25
250-Watt High Pressure Sodium with Bronze Floodlight Fixture on a 40-Foot Wood Pole	\$ 20.70
250-Watt High Pressure Sodium with Bronze Floodlight Fixture on a 35-Foot Direct Buried Bronze Fiberglass Pole	\$ 29.20
Additional Pole (for poles installed prior to June 1, 2012)	\$ 2.75

**CONDITIONS OF SERVICE**

As of October 1, 1996, all new installations shall be with high-pressure sodium lamps with power-factor-corrected ballast. The existing mercury vapor lamps will remain in service for the remaining useful life of the fixture and billed at the appropriate monthly charge. Customers requesting to be converted to high-pressure sodium prior to the end of the mercury vapor fixture's useful life shall pay the Cooperative a fee of \$35.00 to cover the cost of the conversion and any loss due to the early retirement of the existing mercury vapor light.

**CONDITIONS OF SERVICE (continued)**

All facilities necessary for service under this schedule, including fixtures, lamps, controls, poles, hardware, transformers, conductors, power, and other necessary materials, shall be owned and maintained by the Cooperative. Equipment other than that supplied under the Cooperative's standards (such as disconnecting switches) is not available under this schedule. The Cooperative will replace burned out lamps and otherwise maintain the fixture during regular daytime working hours as soon as possible following notification by the consumer of the necessity. When a security light requires maintenance due to vandalism, the member may be required to pay the cost of repairs. In addition, the Cooperative has the right to discontinue service in the event of excessive vandalism.

Where the security light service requires the installation of one or more pole structures, the member shall be required to pay a contribution-in-aid-of-construction of \$150.00 per pole to help offset the added cost of setting new poles.

**WHOLESALE POWER COST ADJUSTMENT**

The above rates shall be increased or decreased in accordance with the Wholesale Power Cost Adjustment Clause.

**SALES TAX**

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

**TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill, during regular working hours. In the event the current monthly bill is not paid by this time, service is subject to be suspended in accordance with the Cooperative's established Service Rules and Regulations.

**Adopted: February 26, 2014**

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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**ENERGY CONSERVATION RIDER**

**THE MAX@**

**AVAILABILITY**

Available on a voluntary basis to new homes permanently connected after November 1, 1987 and before November 1, 1997. The primary heating system for the home must be electric heat. A Haywood EMC representative must inspect the home after the insulation has been installed, but prior to the installation of the interior wall covering. A final inspection is also required at or about the time of the final building codes inspection.

**MINIMUM THERMAL REQUIREMENTS**

Insulation (R-values for insulation only):

1. Ceiling - R-30
2. Walls – R-16
3. Perimeter slab insulation – R-6.0
4. Floor over vented crawl space must have vapor barrier; floor over unheated basement – R-19
5. Interior walls separating unconditioned space from conditioned space, i.e., garage – R-11
6. All heating and air conditioning ducts through unconditioned spaces, joints must be taped – R-6.5
7. Band joist insulation – R-19

Infiltration:

1. Sole plates must be caulked.
2. Infiltration barriers, such as a continuous vapor barrier on exterior walls and exterior sheathing, must be applied.
3. Weather-strip all windows and doors where applicable.
4. Seal around window and door frames.
5. Seal all penetrations of the exterior shell caused while installing plumbing, mechanical, electrical, etc.
6. Exhaust fans must have back-draft dampers.
7. Attic stairs or other access to unconditioned space must be insulated and sealed to minimize heat loss.

Windows and sliding glass doors:

1. Windows and glass doors must be double-glazed or single-glazed with storm glazing or operable insulation.

Doors:

1. Doors to the exterior must be either wood doors with a storm door, or an insulated door with a minimum rating of R-4.4.

**MINIMUM THERMAL REQUIREMENTS (continued)**

Glass Amount:

1. Total amount of glass in the building – maximum amount not to exceed 15 percent of the floor area. Exceptions are made for passive solar homes with south-facing glazing that contributes more BTUs of heat through solar gain than it loses through heat loss. No more than 30 percent of the total glass area should be facing north and west.

Electric Space Heating:

1. Heat pumps shall be controlled by two-stage thermostats or computer-controlled thermostats.
2. Heat pumps shall have staged auxiliary resistance heaters controlled by an adjustable outdoor thermostat and shall be limited to 15 kW total.
3. MAX homes with other forms of electric heat must be accompanied by an off-peak rate or other customer incentive that will limit additional load from contributing to the on-peak demand. The projected heating and cooling costs of an alternative form of electric system must be equal to or less than the costs projected for a high efficiency heat pump (SEER = 9 or greater). If the system is for heating only, the same preceding comparison should be made without using cooling costs as a factor.
4. Excess heating capacity is not to exceed 15 percent more than calculated heat losses.
5. Total heat loss shall not exceed 20 BTUs per hour per square foot of total heated floor space.

Electric Water Heating:

1. Water heaters shall be of the automatic, insulated storage type of not less than 30-gallon capacity.
2. Water heaters may have only a lower element or be equipped with both an upper and lower element. Heaters with both an upper and lower element must have interlocking thermostats to prevent simultaneous operation of the two elements. Elements of 3,000 watts or larger will require a load management switch.

**MONTHLY RATE**

Five percent (5%) discount for total cost of kilowatt-hour and kilowatt electrical use from the rate under which the consumer is billed.

**MONTHLY MINIMUM**

The application of the Energy Conservation Discount shall not reduce a consumer's bill below the applicable monthly Basic Facility Charge.

**Adopted: February 26, 2014**  
**Effective for All Bills Rendered On or After July 1, 2014**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**LOAD MANAGEMENT RIDER**

**Rider LM**

**AVAILABILITY**

Available to members receiving service under the Cooperative's single-phase rate schedules except rate schedule 17.

Members may enter into an agreement for participation in a "Volunteer to Shave" load control program on a limited and voluntary basis in addition to all other requirements for the applicable schedule. The following provisions shall apply:

**GENERAL PROVISIONS**

Load control will be offered primarily for control of electric hot water heaters. A Cooperative member may also volunteer to have a central electric air conditioning/heat pump controlled by having a control device installed on the compressor of the air conditioning/heat pump unit providing the "Volunteer to Shave" switch installation criteria, as outlined by the Cooperative, are met or exceeded.

The Cooperative shall have the right to interrupt service to the member's electric hot water heater and/or central electric air conditioning/electric heat pump. This interruption may be at any time the Cooperative has need to limit system peak demand (kW) and the Cooperative reserves the right to test the operation of the load control system at any time.

An electric hot water heater may be controlled provided it is an insulated storage type, is installed and used without alternate system assistance, and meets or exceeds the "Volunteer to Shave" switch installation criteria.

The Cooperative shall have the right to require that the owner of the controlled equipment give satisfactory written permission for the Cooperative to install and operate the load control devices on that equipment before entering an agreement with a member and making such installation.

**CREDITS FOR LOAD CONTROL**

Payment for water heater control will be made to the member as a billing credit of \$2.00 per month.

Payment for central air conditioning/electric heat pump control will be made to the member in each of the billing months of July through October at the rate of \$4.00 per month as a billing credit.



**CREDITS FOR LOAD CONTROL (continued)**

If at any residence a member has more than one water heater or air conditioner/electric heat pump to be controlled, a credit will be given for each appliance controlled. If less than 300 kilowatt-hours are used in any one-month, a credit will not be used for that month.

The total credits during a month shall never make the monthly bill less than the Basic Facilities Charge.

**INSTALLATION**

The Cooperative will install the load control device at no cost to the member. The Cooperative will only employ licensed electrical contractors to install the load control device and shall require that sound electrical practices are followed and that all work complies with Electrical Codes of North Carolina (or South Carolina or Georgia as appropriate) and the National Electrical Code.

**REMOVAL**

The Cooperative will remove the load control device at any time the member no longer desires to participate in the load control program.

**NON-LIABILITY**

Haywood Electric Membership Corporation assumes no liability or responsibility for damage or injury to property or persons, which may result from the installation of or any failure or malfunction of any installed load control device.

**Adopted: February 26, 2014**  
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**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**POWER PURCHASES FROM  
RENEWABLE GENERATION RIDER**

**Rider RGR (Single-phase)**

**AVAILABILITY**

Available only to members located in the Cooperative's service territory who have Renewable Generation interconnected directly with the Cooperative's system with a capacity of 25 kW or less and contract with the Cooperative to sell excess generated capacity and energy to the Cooperative. Renewable Generation, or Renewable Energy Resource, shall be as defined as adopted by NC G.S. 62-133.8(a) (8).

This schedule is available to members receiving service in all territory served by the Cooperative subject to the rules, regulations, and bylaws of the Cooperative. Service necessary for the delivery of the member's power into the Cooperative's system under this Rider shall be furnished solely to the individual contracting member in a single enterprise, located entirely on a single, contiguous premise. Service hereunder shall be restricted to the capacity of the member's generating facilities which may be operated in parallel with the Cooperative's system.

The obligations of the Cooperative in regard 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 member 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. The Cooperative also reserves the right to review and determine on a case by case basis whether it has the need and system capacity to absorb the amount of proposed generation on the Cooperatives distribution system due to size and/or location.

**APPLICABILITY**

This schedule is applicable to consumers taking service under Rate Schedule 10 and having a source of renewable generation. All provisions of these schedules are still applicable.

**TYPE OF SERVICE**

The type of service available under this Rider is single-phase 3 wires, 60 Hz alternating current, at one of the Cooperative's standard secondary voltages. The member shall be billed or credited by utilizing the required metering on the member's property. The metering installed shall measure the energy used by the member from the Cooperative at the appropriate rate and also measure the energy purchased by the Cooperative under this rate.

**Rider RGR**  
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**MONTHLY RATE**

Basic Facilities Charge:

Single-phase \$ 5.25

Energy Credits:

All kWhs sold 5.49 ¢ per kWh

**MINIMUM MONTHLY CHARGES**

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

**INTERCONNECTION FACILITIES CHARGE:**

The member shall be responsible for providing suitable control and protective devices on their equipment to assure no disturbance to other members of the Cooperative or to the Cooperative itself, and to protect the member's facilities from all loss or damage which could result from operation with the Cooperative's system. All interconnection equipment, including control and protective devices, must meet or exceed the National Electric Code (NEC), National Electric Safety Code (NESC), and Institute of Electrical and Electronics Engineers (IEEE) Standards.

All such distribution, service, and interconnection related facilities shall be subject to a monthly Interconnection Facilities Charge. The monthly Interconnection Facilities Charge shall be the greater of the:

1. Facilities Charge stated above, or
2. The minimum specified in the contract for service.

The Cooperative reserves the right to install facilities necessary for the appropriate measurement of service under this Rider and to adjust the Interconnection Facilities Charge accordingly, solely at the option of the Cooperative.

**SAFETY, INTERCONNECTION, AND INSPECTION REQUIREMENTS:**

This Rider is only applicable for qualifying facilities that comply with the Cooperative's interconnection requirements, along with any IEEE, NESC, and NEC standards related to interconnecting to public utilities. In order to ensure protection of the Company's system, the Company reserves the right, at its discretion, to inspect the member's generator at any time upon reasonable notice to the member in an effort to ensure compliance with the Interconnection Standards. The Cooperative reserves the right to disconnect electric service to any premises if the Cooperative determines that the Renewable Generator is operating in parallel with the Cooperative's system and does not comply with the Interconnection Standards.

The member shall be responsible for providing suitable control and protective devices on its equipment to assure no disturbance to other members of the Cooperative, or to the Cooperative itself, and to protect the member's facilities and the Cooperative's facilities from all loss or damage that could result from operation in parallel with the Cooperative's system.

## **Rider RGR**

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The member shall obtain and retain, for as long as the member's generator is interconnected with the Cooperative's system, comprehensive general liability insurance that protects the member from claims for bodily injury and/or property damage. The minimum coverage shall be at a standard homeowner's insurance policy with liability coverage of at least \$100,000 per occurrence. This insurance shall be primary for all purposes and the Cooperative shall be made an additional insured on the policy. The member shall provide certificates evidencing this coverage as required by the Cooperative. The Cooperative reserves the right to refuse to establish, or continue the interconnection of the member's generator with the Cooperative's system, if such insurance is not in effect.

### **REQUIREMENTS OF SERVICE**

1. This rate is applicable to any member that has a source of renewable generation designated as new capacity that will provide under contract no more than a total of 25 kW of capacity.
2. The member shall own and be fully responsible for the costs and performance of the Generating facility in accordance with all applicable laws and governmental agencies have jurisdiction.
3. The member shall own and be fully responsible for the costs and performance of the Generating facility in accordance with control and protective devices as required by the Cooperative on the member's side of the meter.

### **TERMS OF PAYMENT**

Bills under this schedule are due and payable on the due date of the bill during regular working hours. Under this schedule, a credit shall be shown for energy purchased by the Cooperative along with the basic facilities charge.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

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**Effective for All Bills Rendered On or After July 1, 2014**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**GENERAL RENEWABLE GENERATION SERVICE**  
**(RGS)**

<b>Rate Schedule 52G (&lt;25 kW w/o trans)</b>	<b>Rate Schedule 53G (&lt;25 kW w/ trans)</b>
<b>Rate Schedule 54G (&gt;25≤50 kW w/o trans)</b>	<b>Rate Schedule 55G (&gt;25≤50 kW w/ trans)</b>
<b>Rate Schedule 56G (&gt;50≤75 kW w/o trans)</b>	<b>Rate Schedule 57G (&gt;50≤75 kW w/ trans)</b>

**AVAILABILITY**

Available only to members located in the Cooperative's service territory who have Renewable Generation interconnected directly with the Cooperative's system with a capacity of 75 kW or less and contract with the Cooperative to sell all generated capacity and energy to the Cooperative. Renewable Generation, or Renewable Energy Resource, shall be as defined as adopted by NC G.S. 62-133.8(a)(8).

Service necessary for the delivery of the member's power into the Cooperative's system under this schedule shall be furnished solely to the individual contracting member in a single enterprise, located entirely on a single, contiguous premise. Service hereunder shall be restricted to the capacity of the member's generating facilities which may be operated in parallel with the Cooperative's system.

Service necessary to supply the member's Auxiliary Load when the member's generating facilities are not operating, shall be billed under the Energy Charges in this schedule, increased or decreased in accordance with the Wholesale Power Cost Adjustment Rider. Power delivered to the Cooperative under this schedule shall not offset or be substituted for power contracted for or which may be contracted for under any other schedule of the Cooperative.

The obligations of the Cooperative in regard 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 member 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. The Cooperative also reserves the right to review and determine on a case by case basis whether it has the need and system capacity to absorb the amount of proposed generation on the Cooperatives distribution system due to size and/or location.

**TYPE OF SERVICE**

The type of service available under this schedule is single-phase 3 wires, or three-phase 4 wires, 60 Hz alternating current, at one of the Cooperative's standard secondary voltages. The member shall be billed or credited by utilizing the required metering on the member's property. Metering used shall register both energy purchased by the member at the appropriate rate and energy purchased by the Cooperative under this rate.

**Schedules 52G, 53G, 54G, 55G, 56G, & 57G**

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**MONTHLY RATE**

Facilities Charges<sup>1</sup>:

	<u>w/o transformer</u>	<u>w/ transformer</u>
Up to 25 kW	\$ 15.00 per month	\$ 25.25 per month
26 to 50 kW	\$ 32.50 per month	\$ 55.25 per month
51 to 75 kW	\$ 70.00 per month	\$ 117.75 per month

Energy Credits:	<u>Variable Rate</u>	<u>5 Years Fixed</u>
All Energy per Month:	5.49 ¢ per kWh	5.65 ¢ per kWh

Energy Charge <sup>2</sup> :		
All Energy per Month:	11.80 ¢ per kWh	11.80 ¢ per kWh

<sup>1</sup> The Facilities Charge may be increased according to the provisions of the paragraph entitled “Interconnection Facilities Charge” below.

<sup>2</sup> The Energy Charge rates for 5 Years Fixed are subject to change as retail rates change for the Cooperative.

**INTERCONNECTION FACILITIES CHARGE:**

The member shall be responsible for providing suitable control and protective devices on their equipment to assure no disturbance to other members of the Cooperative or to the Cooperative itself, and to protect the member’s facilities from all loss or damage which could result from operation with the Cooperative’s system. All interconnection equipment, including control and protective devices, must meet or exceed the National Electric Code (NEC), National Electric Safety Code (NESC), and Institute of Electrical and Electronics Engineers (IEEE) Standards.

The Cooperative will furnish, install, own, and maintain all distribution, service, and interconnection related facilities necessary for service under this schedule. Interconnection facilities include suitable control and protective devices installed on Cooperative equipment to allow operation of the member’s generating facilities; metering facilities equipped to prevent reverse registration for the measurement of service under this schedule; and any other modifications to its system required to serve the member under this schedule as determined by the Cooperative.

If it is necessary for the Cooperative to install a transformer specifically for the use of the member of renewable generation then the Interconnection Facilities Charge shall be used from the w/transformer column above. If the Cooperative can connect to an existing transformer that provides the member power and energy, then the Interconnection Facilities Charge shall be used from the w/o transformer column above.

All such distribution, service, and interconnection related facilities shall be subject to a monthly Interconnection Facilities Charge. The monthly Interconnection Facilities Charge shall be the greater of the:

3. Facilities Charge stated above, or
4. The minimum specified in the contract for service.

The Cooperative reserves the right to install facilities necessary for the appropriate measurement of service under this schedule and to adjust the Interconnection Facilities Charge accordingly, solely at the option of the Cooperative.

**POWER FACTOR CORRECTION:**

When the average monthly power factor of the power supplied by the member to the Cooperative is less than 97 percent or greater than 100 percent, the Cooperative may correct the energy, in kilowatt-hours, as appropriate. The Cooperative reserves the right to install facilities necessary for the measurement of power factor and to adjust the Interconnection Facilities Charge accordingly, solely at the option of the Cooperative.

**SAFETY, INTERCONNECTION, AND INSPECTION REQUIREMENTS:**

This schedule is only applicable for qualifying facilities that comply with the Cooperative's interconnection requirements, along with any IEEE, NESC, and NEC standards related to interconnecting to public utilities. In order to ensure protection of the Company's system, the Company reserves the right, at its discretion, to inspect the member's generator at any time upon reasonable notice to the member in an effort to ensure compliance with the Interconnection Standards. The Cooperative reserves the right to disconnect electric service to any premises if the Cooperative determines that the Renewable Generator is operating in parallel with the Cooperative's system and does not comply with the Interconnection Standards. The Cooperative also reserves the right at its discretion to disconnect the system from the grid to make sure that the renewable generation facility does not allow power to flow back into the Cooperative's system for safety reasons should an outage occur.

The member must enter into a specific contract providing for interconnection to the Cooperative's system. The member shall be responsible for providing suitable control and protective devices on its equipment to assure no disturbance to other members of the Cooperative, or to the Cooperative itself, and to protect the member's facilities and the Cooperative's facilities from all loss or damage that could result from operation in parallel with the Cooperative's system.

## **Schedules 52G, 53G, 54G, 55G, 56G, & 57G**

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The member shall obtain and retain, for as long as the member's generator is interconnected with the Cooperative's system, comprehensive general liability insurance that protects the member from claims for bodily injury and/or property damage. For a non-residential member the minimum coverage shall be comprehensive general liability insurance with coverage at least \$300,000 per occurrence and for a residential member the minimum coverage shall be at a standard homeowner's insurance policy with liability coverage of at least \$100,000 per occurrence. This insurance shall be primary for all purposes and the Cooperative shall be made an additional insured on the policy. The member shall provide certificates evidencing this coverage as required by the Cooperative. The Cooperative reserves the right to refuse to establish, or continue the interconnection of the member's generator with the Cooperative's system, if such insurance is not in effect.

### **CONTRACT PERIOD**

Member's contracting for the 5-year fixed rate shall enter into a contract with a minimum term of five years, which will automatically renew for another five-year term unless either party provides written notice to change the term or terminate the contract at least sixty- (60) days prior to the end of the current contract term. The Cooperative reserves the right to offer a contract for a longer original term of years as specified in the individual contract with the member. The Cooperative further reserves the right to terminate the member's contract under this schedule at any time upon written notice to the member in the event that the member violates any of the terms or conditions of this schedule, or operates the Renewable Generator system in a manner that is detrimental to the Cooperative or any of its members. In the event of early termination of a contract under this schedule, the member will be required to pay the Cooperative for the costs due to such early cancellation.

### **SALES TAX**

Any applicable state and local sales taxes shall be added to all services billed under this schedule.

### **TERMS OF PAYMENT**

Payment shall be made to the member on a quarterly basis. Check for payment shall be made on the last business day of the month after the last month of the quarter. The payment shall be in a separate check for amounts equal to or greater than \$25. Payment for amounts less than \$25 shall be credited against the member's monthly power bill from the cooperative or accumulated until such time that the amount is \$25 or greater at the time of payment.

### **REPORTING**

As per Internal Revenue Service guidelines, if the member receives \$600 or more from the Cooperative in payment for energy, the Cooperative shall issue a Form 1099 reflecting the amount paid to the member.

**Adopted: February 26, 2014**

**Effective for All Bills Rendered On or After July 1, 2014**



**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**RENEWABLE ENERGY PORTFOLIO STANDARD RIDER**

**Rider REPS-2016/2017**

**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:

<u>Revenue Class</u>	<u>REPS Rate</u>	<u>REPS EMF</u>	<u>Total Monthly Rate</u>
Residential	\$ 0.44	\$ 0.01	\$ 0.45
Commercial	\$ 1.94	\$ 0.04	\$ 1.98
Industrial	\$ 12.97	\$ 0.23	\$ 13.20

**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.

**Adopted: March 30, 2016**

**Effective for All Bills Rendered On or After June 1, 2016**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**ENERGY EFFICIENCY RIDER**

**RIDER EE-2016/2017**

**APPLICABILITY**

Service supplied under the Cooperative's retail rate schedules are subject to energy efficiency adjustments for demand-side management and energy efficiency programs that the Cooperative implemented after January 1, 2007 and have been approved by the North Carolina Utilities Commission (NCUC). The energy efficiency adjustments are not included in the Cooperative's retail rate schedules and therefore, will be applied to the bill as calculated under the applicable rate.

**GENERAL PROVISIONS**

This Rider will recover the costs related to any energy efficiency and demand-side management programs the Cooperative implemented after January 1, 2007. In each year this Rider will include components to recover budgeted costs for demand-side management and energy efficiency programs implemented in that Budget Year, as well as net lost revenues resulting from the energy efficiency programs. Net lost revenues are revenue losses, net of the Cooperative's marginal costs avoided at the time of the lost kilowatt hour sale(s). Upon implementation, net lost revenues associated with each Budget Year will be recovered for the estimated life of the energy efficiency measure, except that the recovery of net lost revenues will end upon implementation of new rates approved by the Cooperative's Board of Directors based on a fully allocated Cost-of-Service Study or comparable proceeding.

**TRUE-UP PROVISIONS**

Rider amounts will initially be determined based on estimated kW and kWh impacts related to expected consumer participation in the programs, and will be true-up as actual consumer participation and actual kW and kWh impacts are verified.

Participation true-ups: After the completion of the first year, the Rider will include a true-up of previous Rider amounts billed versus the actual costs incurred for the programs, capital costs on unrecovered program cost and actual lost revenue.

Measurement and verification true-up: Initially the demand side management and energy efficiency programs kW and kWh savings used in the calculation of this Rider will be based upon estimates arrived at from similar programs at other utilities in the Southeast. During the course of these programs the Cooperative will be responsible for the measurement and verification of the estimated savings. After the measurement and verification has been completed, the true-up may also include changes related to the actual verified kW and kWh savings associated with each of the programs.

**DETERMINATION OF ENERGY EFFICIENCY RIDER ADJUSTMENT**

The Energy Efficiency Adjustment (EEA) will be applied to the energy (kilowatt hours) billed under all the Cooperative’s retail rate schedules as determined by the following formula:

$$EEA = \frac{(DSM + EE + LR + TU)}{S}$$

Where:

- DSM = Projected cost of the Cooperative’s demand-side management programs for the upcoming budget year.
- EE = Projected cost of the Cooperative’s energy efficiency programs for the upcoming budget year.
- LR = Projected net lost revenues associated with the kW and kWh savings as a result of the demand-side management and energy efficiency programs proposed for the upcoming budget year.
- TU = Total accumulated difference between what the Cooperative actually collected through this Rider versus what the costs the Cooperative has incurred as a result of the demand-side management and energy efficiency programs including capital costs on the unrecovered program costs, plus any differences in lost revenue collected versus incurred, for the years prior to the current year.
- S = Projected total kWh sales for the upcoming year in which the energy efficiency rider will be in effect.

**ENERGY EFFICIENCY RIDER ADJUSTMENTS (EEA)**

The EEA applicable to the Cooperative’s retail rate schedules, including revenue-related taxes and utility assessments is as follows:

All kWhs sold	0.072¢ per kWh
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**OPT OUT PROVISION FOR QUALIFYING NON-RESIDENTIAL CONSUMERS:**

The EEA increment applicable to Energy Efficiency Programs and/or Demand-Side Management Programs will not be applied to the energy charge of the applicable rate schedule for commercial/industrial consumers qualified to opt out of the programs. Consumers choosing to opt out of the programs must:

1. Certify or attest to the Cooperative that it has, or has plans for implementing alternative energy efficiency measures in accordance with quantifiable goals that meet or exceed the Cooperative's annual system-wide energy savings goals and
2. Have an electric service agreement that states that:
  - a. The establishment is classified as a "manufacturing industry" by the Standard Industrial Classification Manual published by the United States government and where more than 50% of the electric energy consumption of such establishment is used for its manufacturing processes, or
  - b. The consumer's annual energy use is anticipated to be 1,000,000 kilowatt hours or more.

The following additional provisions apply for qualifying consumers who elect to opt out:

- Qualifying consumers may opt out of the Cooperative's energy efficiency programs.
- The Consumer may not opt of the Cooperative's individual energy efficiency programs. The choice to opt out applies to the Cooperative's entire portfolio of energy efficiency programs.
- If a consumer elects to participate in an energy efficiency program, the consumer may not subsequently choose to opt out of the program for a period of five (5) years or the life of the applicable measure, whichever is longer.

**Adopted: March 30, 2015**

**Effective for All Bills Rendered On or After June 1, 2016**

**HAYWOOD ELECTRIC MEMBERSHIP CORPORATION**  
**Waynesville, North Carolina**  
**Lake Toxaway, North Carolina**

**WHOLESALE POWER COST ADJUSTMENT CLAUSE**

**Rate Schedule WPCA**

**AVAILABILITY**

The Wholesale Power Cost Adjustment Clause (WCPA) is applicable to all electric service supplied under the Cooperative's retail rate schedules.

**BILLING**

At the discretion of the Cooperative, each kilowatt-hour sold may be increased or decreased by an amount not to exceed the nearest one-hundredths of a cent (\$0.0001) the charge as determined by use of the following formula:

$$\text{WPCA Factor} = \frac{(C - B * P + D)}{S}$$

Where:

- C = Total actual charges from the Cooperative's purchased power suppliers for the most recent six months available and the projected power costs for the six months immediately thereafter.
- B = The base cost of purchased power (6.630¢) built into the retail rates.
- P = The total of the actual kilowatt-hours purchased for the most recent six months available and the projected kilowatt-hours to be purchased for the six months immediately thereafter.
- D = The total accumulated difference between the Cooperative's purchased power cost adjustment charges and the purchased power costs applicable to this clause through the end of the most recent month available.
- S = The total of the actual kilowatt-hours sold for the most recent six months available and the projected kilowatt-hours to be sold for the six months immediately thereafter.

**In the event the WPCA Factor consistently meets, or exceeds, \$0.006, B may be adjusted, along with retail rates, to reflect the increase in purchased power cost.**

**Adopted: November 11, 2015**

**Effective for All Bills Rendered On or After January 1, 2016**