

ENERGYUNITED ELECTRIC MEMBERSHIP CORPORATION
Minutes of Regular Meeting of the Board of Directors
October 19, 2023

Pursuant to due notice thereof, a regular meeting of the Board of Directors of EnergyUnited Electric Membership Corporation was held at the Cooperative Headquarters in Statesville, North Carolina, at 1:00 p.m. on Thursday, October 19, 2023. With Board President Max Walser presiding, the following proceedings were held (action being by unanimous or without dissenting vote or abstention unless otherwise stated):

1. CALL TO ORDER

President Walser called the meeting to order.

2. INVOCATION

Treasurer Craig Black gave the invocation.

3. ROLL CALL

Upon calling the roll, all directors were present. Also present were Chief Executive Officer Thomas Golden, Chief Operating Officer Brett Alkins, Chief Financial Officer Alec Natt, Chief Human Resources Officer Pam Britt, Vice President of Energy Services and Corporate Communications Laquisha Parks, Vice President of Energy Delivery Steve McCachern, Corporate Attorney Roy McDonald, and Executive Assistant Shamica Butts-Young.

4. APPROVAL OF AGENDA

*Upon motion duly made and seconded, it was **RESOLVED** that the October 19, 2023 Regular Meeting of the Board of Directors Agenda be **ADOPTED**.*

5. ELECTION OF BOARD OFFICERS

CEO Golden excused staff from the meeting. Attorney McDonald conducted the election of board officers. The election was conducted by secret ballot. The following directors were elected to the following offices for a one (1) year term in the following order:

- a. Max Walser was elected to a one (1) year term as President.
- b. Brian Sisson was elected to a one (1) year term as Vice-president.
- c. Ronnie Harrison was elected to a one (1) year term as Treasurer.
- d. Cheryl Wright was elected to a one (1) year term as Secretary.

Staff were invited to return to the meeting.

6. ITEMS FOR ACTION

a. **PURPA**

President Walser presided over the presentation of all evidence submitted in connection with PURPA requirements to consider development of Demand Response (DR) Standards and Electric Vehicle (EV) Charging Standards.

*Upon motion duly made and seconded, the Board made the **DETERMINATIONS** attached hereto and incorporated herein by reference.*

b. **SCADA/ADMS PROJECT**

Ben Godsell, Manager of Grid Modernization, reviewed the history of the Cooperative's Supervisory Control & Data Acquisition (SCADA)/Advanced Distribution Management System (ADMS) project and reported that the Cooperative has decided to transition from ACS to Survalent Technologies, Inc. as its vendor. Mr. Godsell also presented the benefits the Cooperative will receive from the transition and the costs of the transition.

*Upon motion duly made and seconded, the Board **AUTHORIZED** EnergyUnited Staff to Execute the SCADA/ADMS Purchase Agreement between the Cooperative and Survalent Technology, Inc.*

7. **INFORMATIONAL ITEMS**

a. **MY ENERGYHUB ENHANCEMENTS**

VP Parks reported on improvements to the Cooperative's My EnergyHub app.

No action was requested on this item.

b. **CHIEF EXECUTIVE OFFICER REPORT**

CEO Golden reported on the "Share the Warmth" Giving Tuesday campaign, Customer Service Week, the Company Picnic, the Catawba Nuclear Power Plan tour, and the NRECA Safety Culture Survey. EA Butts-Young reported on upcoming director training, conferences, and meetings.

No action was requested on this item.

8. **LEGAL REPORT**

Attorney McDonald proposed a division of the Cooperative's current Board Policies into separate sets of board polices and cooperative policies. The proposal recommends:

a. "board policies" governing the operation of the board and set out position statements on issues of significant import to the board;

b. "cooperative policies" govern the Cooperative's (i) organization, management, and operation; (ii) information and technology; (iii) finance and accounting; and (iv) members;

c. All policies that affect employees be incorporated into the Cooperative's existing employment policies.

The board instructed Attorney McDonald to present drafts for consideration.

No action was requested on this item.

9. EXECUTIVE SESSION

Upon motion duly made and seconded, the board went into executive session at approximately 2:20 p.m. and President Walser declared the board in open session at approximately 3:10 p.m.

All matters set out in the agenda for presentation and discussion in executive session were presented and discussed. See the Minutes of Board of Directors Meeting – Executive Session dated October 19, 2023, prepared by Attorney McDonald.

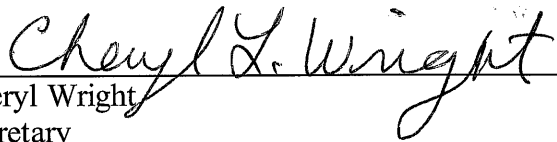
10. OTHER ITEMS

No other items were presented or discussed.

11. ADJOURN

*Where upon there being no further business to be taken, upon motion duly made, seconded, and **APPROVED**, the meeting adjourned at approximately 3:20 p.m.*

I, the duly elected and qualified Secretary of EnergyUnited Electric Membership Corporation, do hereby certify that the foregoing actions were taken by the directors of the corporation at a meeting duly noticed and held October 19, 2023.


Cheryl Wright
Secretary

ENERGYUNITED ELECTRIC MEMBERSHIP CORPORATION

BOARD OF DIRECTORS DETERMINATION

**CONSIDERATION OF ELECTRIC VEHICLE (EV) CHARGING PROGRAMS IN
ACCORDANCE WITH THE PUBLIC UTILITY REGULATORY POLICIES ACT (PURPA)**

BACKGROUND

As part of the Infrastructure Investment and Jobs Act of 2021 (IIJA), Congress amended the Public Utility Regulatory Policies Act of 1978 (PURPA) to require qualifying utilities to consider “Electric Vehicle (EV) Charging Programs” and determine whether to adopt formal standards on promoting greater transportation electrification (§ 40431).

Specifically, under PURPA § 111(d)(21), the Cooperative is required to consider adopting standards to promote greater electrification of the transportation sector, including the establishment of rates that:

- (1) promote affordable and equitable electric vehicle charging options for residential, commercial, and public electric vehicle charging infrastructure;
- (2) improve the customer experience associated with electric vehicle charging, including by reducing charging times for light, medium, and heavy-duty vehicles;
- (3) accelerate third-party investment in electric vehicle charging for light, medium, and heavy-duty vehicles; and
- (4) appropriately recover the marginal costs of delivering electricity to electric vehicles and electric vehicle charging infrastructure.

FINDINGS

The Board of Directors of EnergyUnited EMC, having reviewed and considered all the evidence presented, makes the following findings:

- (1) EnergyUnited Electric Membership Corporation (EnergyUnited EMC or EUEMC) is a rural electric distribution cooperative organized and existing under the North Carolina Electric Membership Corporation Act, N.C. Gen. Stat. § 117-1, et. seq.
- (2) EUEMC is headquartered in Statesville, North Carolina, and serves more than 139,000 meters in Mecklenburg, Gaston, Lincoln, Catawba, Alexander, Wilkes, Yadkin, Iredell, Rowan, Cabarrus, Davidson, Davie, Forsythe, Stokes, Rockingham, Guilford, Randolph, Montgomery, and Stanly counties.
- (3) EUEMC has approximately 250 employees and operates and maintains more than 11,925 miles of energized lines.

- (4) EnergyUnited EMC operates on an entirely non-profit basis, providing electric power to its members at cost, in furtherance of its statutory mandate to promote and encourage “the fullest possible use of electric energy in the rural section of the State by making electric energy available to inhabitants of the State at the lowest cost consistent with sound economy and prudent management of the business of such corporations.” N.C. Gen. Stat. § 117-10.
- (5) Importantly, on all questions relating to rates or services, EUEMC is strictly prohibited from making or granting any unreasonable preference or advantage to any member or class of member. N.C. Gen. Stat. § 117-16.1.
- (6) Otherwise, however, the elected Board of Directors maintains authority and discretion to oversee the business of the corporation, including the regulation of the rates, fees, or charges for services rendered by the corporation.
- (7) In accordance with its statutory and regulatory requirements and obligations, EUEMC’s ratemaking objectives are based on the following principles:
 - a. Recovery of revenue requirements;
 - b. Fair distribution of costs;
 - c. Provision of accurate price signals;
 - d. Revenue stability, and
 - e. Rate stability.
- (8) EUEMC is already actively engaged in offering and developing programs that promote and support the adoption of Electric Vehicles. The following, including the **attached Electric Rate Schedules**, highlight the Cooperative’s current practices relative to EVs:
 - a. EUEMC has seen rapid uptake of EVs in its service territory; while reporting is imperfect, the Cooperative estimates that there are more than 440 EVs regularly charging on EUEMC’s system.
 - b. Over 86% of EUEMC meters are residential.
 - c. EUEMC offers a residential Time of Use (TOU) rate where EV owners can maximize affordable EV charging at home; furthermore, this rate allow members to take advantage of cost savings by shifting usage to off-peak periods.
 - d. EUEMC operates on cost-based rates and appropriately recovers costs of delivering electricity to EVs.

- e. EUEMC has piloted an EV only rate leveraging advanced metering technology built into ChargePoint Chargers and will continue to explore EV only rate options where cost.
- f. A variety of public Level 2 and DC fast charging (DCFC) options are available to EUEMC members and the general public, from a variety of owner/operators including ChargePoint, Electrify America, Tesla, and others.
- g. EUEMC has installed four publicly available Level 2 charging stations and two DCFC station in its service territory.
- h. EUEMC owns and operates a fleet of four EV's and currently has two additional EV's, fleet trucks on order. With four behind-the-fence charging options available to our fleet, as well as EUEMC public chargers available at six locations, we continue to learn and grow our fleet operational experience with EVs as well as reducing our carbon footprint. EUEMC frequently displays our fleet of EVs at local events, promoting the benefits of EVs to our membership.
- i. EUEMC hosts annually each September our Drive Electric Week EV Event. With over 100 members attending, we offer a car show for EV owners and dealers where they can display their EV's, a ride and drive show case utilizing our company Tesla's, and opportunities to speak with staff and owners regarding all things EV. This is one of our most successful member-facing events every year.
- j. EUEMC publishes its entire rate schedule on its website and will provide its rate schedule to any member upon request by that member. The Cooperative's rates are filed with the North Carolina Utilities Commission (NCUC) and the North Carolina Rural Electrification Administration, (NCREA).

DETERMINATION

The Board of Directors of EnergyUnited EMC, based upon the preceding findings, makes the following determination:

EUEMC already provides cost-based rates that promote equitable and affordable options for EV charging while appropriately recovering marginal costs of delivering electricity to EV charging infrastructure. Furthermore, EUEMC's service territory already supports substantial third-party investment in EV charging infrastructure. EUEMC will continue to evaluate other EV charging rates and programs to improve affordability and convenience of EV charging. Otherwise, however, EUEMC is prohibited from making or granting any unreasonable preferences or advantages to any EV rate class, as any such subsidy would adversely impact other members and have an inequitable impact on economically disadvantaged members. Accordingly, the Board does not recommend the EnergyUnited adopt further EV rate adjustments or other standards at this time.

ELECTRIC VEHICLE CHARGING STATION SERVICE
(EV)

Applicability – This Schedule is applicable to all energy provided to charge an electric vehicle (EV) at an EnergyUnited owned public charging station. Service will be available to all electric vehicle owners without preference to the Cooperative’s electric service consumers.

Type of Service:

Service will be provided by a Level 2 (245V) or Level 3 (DC Fast) charger.

Charging Station Rate:

Per Session Fee:	\$0.00
Energy Charge – Level 2: All kWhs	14.00¢ per kWh
Energy Charge – Level 3: All kWhs	27.00¢ per kWh
Idle Charge:	
1st 30-minute period after EV is fully charged	\$0.00
Each additional 60-minute period after EV is fully charged	\$3.50

These energy charges are intended to recover the cost of service plus transaction costs but are not anticipated to recover the full cost of the charging equipment.

Sales Tax:

Any applicable state and local taxes will be added to charges for service.

ELECTRIC VEHICLE CHARGING STATION SERVICE
(EV)

Applicability – This Schedule is applicable to all energy provided to charge an electric vehicle (EV) at an EnergyUnited owned public charging station. Service will be available to all electric vehicle owners without preference to the Cooperative’s electric service consumers.

Type of Service:

Service will be provided by a Level 2 (240V) or Level 3 (DC Fast) charger.

Charging Station Rate:

Per Session Fee:	\$0.00
Energy Charge – Level 2: All kWhs	14.00¢ per kWh
Energy Charge – Level 3: All kWhs	27.00¢ per kWh
Idle Charge: 1st 30-minute period after EV is fully charged	\$0.00
Each additional 60-minute period after EV is fully charged	\$3.50

These energy charges are intended to recover the cost of service plus transaction costs but are not anticipated to recover the full cost of the charging equipment.

Sales Tax:

Any applicable state and local taxes will be added to charges for service.

**RESIDENTIAL TIME-OF-DAY SERVICE
(RTOD) Pilot**

Availability – This Schedule is available on a voluntary and pilot basis to the first fifty (50) permanent individually metered residential consumers that sign up for this Schedule. Service under this Schedule is available in all territory served by the Cooperative and subject to the Cooperative’s established Service Rules and Regulations and applicability stated herein.

Residential consumers signing up for this Schedule understand that the Cooperative is offering this Schedule on a “pilot-basis” to evaluate the benefits for both the consumer and the Cooperative and that the Schedule may discontinued at any time by the Cooperative.

Type of Service - The Cooperative will furnish 60-hertz service through one meter at one of the following approximate voltages where available:

Single-Phase, 120/240 volts; or at company's option other available voltages.

Prospective consumers should contact the nearest Cooperative office to ascertain the available supply voltage before acquiring any equipment.

Rate - Monthly

Basic Facilities Charges:

Single-phase ¹	\$ 45.00
Three-phase ²	\$ 85.50

Energy Charges:

	<u>Summer</u>	<u>Winter</u>
All On-Peak kWhs	28.50¢	24.94¢
All Off-Peak kWhs	4.75¢	4.75¢

Summer includes the billing months of May, June, July, August, September, and October.

Winter includes the billing months of November, December, January, February, March, and April.

Minimum Charges - The minimum monthly charge shall be the appropriate Basic Facilities Charge. A consumer that requests a service be reconnected, which has been disconnected for less than twelve months, shall be responsible for the greater of:

1. The monthly minimum charge, as determined above, times the number of months the service was disconnected, or
2. The Cooperative’s current reconnection charge.

¹ Includes services up to 400 amps

² Also includes single-phase services 600 amps and larger

Wholesale Power Cost Adjustment - The above charges per kWh will be increased or decreased by 0.001 cents per kWh, or major fraction thereof, by which the Cooperative's average cost of purchased power per kWh exceeds or is less than the base cost of purchased power in Schedule WPCA, adjusted for line losses and applicable taxes.

On-Peak and Off-Peak Periods - For the usage period beginning at 00:00:01 on April 1 through midnight on September 30, the On-Peak and Off-Peak times shall be:

On-Peak Hours: 2:00 p.m. - 6:00 p.m.

Off-Peak Hours: All other times.

For the usage period beginning at 00:00:01 on October 1 through midnight on March 31 the On-Peak and Off-Peak times shall be:

On-Peak Hours: 6:00 a.m. - 9:00 a.m.

Off-Peak Hours: All other times.

Membership - Each consumer receiving service under this schedule shall be a member of the Cooperative and abide by all service rules and regulations as adopted by the Cooperative and filed with the North Carolina State Utilities Commission.

Capital Credits - All monies received in excess of the cost of providing service to consumers billed under this schedule shall be allocated to each consumer at the close of each fiscal year. The allocation is based upon the total billings to each consumer and credited to each consumer's capital credit account. The capital credit account is refunded at later date as provided in the Bylaws.

REPS and EE Adjustments - The customer's monthly bill shall also include the Renewable Energy Portfolio Standard (REPS) and Energy Efficiency (EE) adjustments based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Renewable Energy Portfolio Standard Rider.

Conditions of Service - Service under this schedule is for permanent service. The obligations of the Cooperative are dependent upon its securing all necessary rights-of-way contract and/or contributions-in-aid of construction when this requirement is justified by the circumstances.

Right of Access - Duly authorized representatives of the Cooperative shall be permitted to enter the consumer's premise at all reasonable times in order to operate and maintain Cooperative's facilities.

Sales Tax - Any applicable North Carolina State and local sales taxes will be added to all service billed under this rate schedule.

Terms of Payment - The above rates are net. Bills are due and payable within 25 days of the billing date shown on the bill. In the event the current monthly bill is not paid, it shall be considered delinquent, and service will be suspended in accordance with the Cooperative's established Service Rules and Regulations.

ENERGYUNITED ELECTRIC MEMBERSHIP CORPORATION

BOARD OF DIRECTORS DETERMINATION

**CONSIDERATION OF RESPONSE (DR) PRACTICES IN ACCORDANCE WITH THE
PUBLIC UTILITY REGULATORY POLICIES ACT (PURPA)**

BACKGROUND

Under the Public Utility Regulatory Policies Act of 1978 (PURPA), as amended by the Infrastructure Investment and Jobs Act of 2021 (IIJA), qualifying utilities are required to promote the use of demand response and demand flexibility practices to reduce electricity consumption during periods of unusually high demand. As part of this directive, qualifying utilities shall consider and determine whether to adopt corresponding standards and initiatives, including rate designs calculated to timely recover the costs of promoting demand-response and demand flexibility practices. (§ 40104)

FINDINGS

The Board of Directors of EnergyUnited EMC, having reviewed and considered all the evidence presented, makes the following findings:

- (1) EnergyUnited Electric Membership Corporation (EnergyUnited EMC or EUEMC) is a rural electric distribution cooperative organized and existing under the North Carolina Electric Membership Corporation Act, N.C. Gen. Stat. § 117-1, et. seq.
- (2) EUEMC is headquartered in Statesville, North Carolina, and serves more than 139,000 meters in Mecklenburg, Gaston, Lincoln, Catawba, Alexander, Wilkes, Yadkin, Iredell, Rowan, Cabarrus, Davidson, Davie, Forsythe, Stokes, Rockingham, Guilford, Randolph, Montgomery, and Stanly counties.
- (3) EUEMC has approximately 250 employees and operates and maintains more than 11,925 miles of energized lines.
- (4) EnergyUnited EMC operates on an entirely non-profit basis, providing electric power to its members at cost, in furtherance of its statutory mandate to promote and encourage “the fullest possible use of electric energy in the rural section of the State by making electric energy available to inhabitants of the State at the lowest cost consistent with sound economy and prudent management of the business of such corporations.” N.C. Gen. Stat. § 117-10.
- (5) Importantly, on all questions relating to rates or services, EUEMC is strictly prohibited from making or granting any unreasonable preference or advantage to any member or class of member. N.C. Gen. Stat. § 117-16.1.
- (6) Otherwise, however, the elected Board of Directors maintains authority and discretion to oversee the business of the corporation, including the regulation of the rates, fees, or charges for services rendered by the corporation.

(7) In accordance with its statutory and regulatory requirements and obligations, EUEMC's ratemaking objectives are based on the following principles:

- a. Recovery of revenue requirements;
- b. Fair distribution of costs;
- c. Provision of accurate price signals;
- d. Revenue stability; and
- e. Rate stability.

(8) EUEMC has a long history of developing and offering numerous programs to its residential, commercial, and industrial customers that promote DR. The following, including the **attached Electric Rate Schedules**, highlight our current practices relative to DR.

- a. EUEMC has a contract with Southern Power for its wholesale power supply; as such, careful coordination of DR programs between EUEMC and Southern Power to reduce its wholesale demand costs or to help avoid capacity-related problems during periods of extreme demand are imperative to ensure effective management of our distribution system.
- b. EUEMC is also a participant with the Distribution Operator (DO) program at North Carolina Electric Membership Corporation (NCEMC). Through this program, a variety of DR mechanisms can be dispatched by EUEMC using signals from NCEMC Distributed Energy Management System (DERMS).
- c. EUEMC currently uses Conservation Voltage Reduction (CVR) as a DR tool that is dispatchable. CVR is a completely passive DR system because no member interaction is required. Therefore, it requires no promotion and no incremental cost to promote. The costs to implement this program were incurred many years ago, and the continuing maintenance of the system is de minimis and adequately captured by the existing rate structure.
- d. EUEMC currently uses Load Management Switches (LMS) installed on residential hot water heaters and air conditioners as a DR tool that is dispatchable. Load Management Switches are a completely passive DR system because no member interaction is required. The costs to implement this program were incurred many years ago, and the continuing maintenance of the system is de minimis and adequately captured by the existing rate structure. The LMS requires no promotion and no incremental cost to promote.

- e. EUEMC operates on cost-based rates. The cost of implementing or promoting additional programs would be recouped through power cost savings of that particular program or rate mechanism borne by participants in the particular programs.
- i. EUEMC offers **residential Time of Use (TOU) rates** that provide a financial incentive for its member-consumers to reduce consumption during periods of unusually high demand. Members seeking help in managing energy consumption are regularly counseled that TOU rates may be an appropriate solution.
 - ii. EUEMC operates smart thermostat controls through our Peak Time Perks program. EUEMC provides an incentive for residential members that participate on a voluntary basis and allow EUEMC to adjust smart thermostats during peak periods through a DERMS solution. Members are offered an incentive for enrollment and an annual participation credit for continued participation.
 - iii. During periods of extreme demand, EUEMC makes public appeals to conserve via our Beat the Peak program. EUEMC also routinely promotes energy efficiency and conservation through its existing marketing and communications channels.
 - iv. EUEMC offers commercial Curtailable Service Rider (CS) on a voluntary basis, as a companion schedule, to any commercial member with a verifiable curtailable load of at least 25 kW and taking service under the Cooperative's Small General Service (SGS), Medium General Service (MGS), Large Power Service (LPS), or Large Power Contract Service (LPCS) schedules. Members agree, at the Cooperative's request, to reduce and maintain their load at a level specified in the individual contract between the Cooperative and the member in exchange for a monthly demand discount per the CS.
- f. EUEMC publishes its entire rate schedule on its website and will provide its rate schedule to any member upon request by that member. EUEMC's rates are filed with the North Carolina Utilities Commission (NCUC) and the North Carolina Rural Electrification Administration, (NCREA).

DETERMINATION

The Board of Directors of EnergyUnited EMC, based upon the preceding findings, makes the following determination:

EUEMC already implements and promotes DR and demand flexibility practices that encourage all classes of service to reduce electricity consumption during periods of high demand. All rates and incentives are cost-based and designed to recover any additional expense for the promotion and implementation of DR programs. Furthermore, EUEMC must ensure all DR programs are coordinated with its wholesale power provider, Southern Power, to avoid cost-shifting to other members within the wholesale power portfolio. EUEMC will continue to

evaluate its DR and demand flexibility practices and associated rate mechanisms. Otherwise, however, EUEMC is prohibited from making or granting any unreasonable preferences or advantages to any rate class, as any such subsidy would adversely impact other members and have an inequitable impact on economically disadvantaged members. Accordingly, the Board of Directors does not recommend adopting additional DR programs or other standards at this time.

RATE SCHEDULES
OF
ENERGY UNITED



DOCKET EC-82, SUB 23
Effective – January 1, 2023

EnergyUnited
Rate Schedules
Rate Code 1 – Single Phase
Rate Code 11 – Three Phase

Docket No. EC-82, Sub 23
Approved – November 17, 2022
Effective – January 1, 2023

RESIDENTIAL SERVICE
(R)

Availability – This schedule is available only to permanent individual-metered residential customers in residences, condominiums, mobile homes, or apartments. Service under this schedule is subject to the established Service Rules and Regulations of the Cooperative.

Type of Service - The Cooperative will furnish 60-hertz service through one meter at one of the following approximate voltages where available:

Single-Phase, 120/245 volts; or at company's option other available voltages.

Prospective consumers should contact the nearest Cooperative office to ascertain the available supply voltage before acquiring any equipment.

Rate - Monthly

Basic Facilities Charges:

Single-phase ¹	\$ 45.00
Three-phase ²	\$ 85.50

Energy Charges:

All kWhs	<u>Summer</u>	<u>Winter</u>
	7.67¢	7.29¢

Summer includes the billing months of May, June, July, August, September, and October. Winter includes the billing months of November, December, January, February, March, and April.

Minimum Charges - The minimum monthly charge shall be the appropriate Basic Facilities Charge. A consumer that requests a service be reconnected, which has been disconnected for less than twelve months, shall be responsible for the greater of:

1. The monthly minimum charge, as determined above, times the number of months the service was disconnected, or
2. The Cooperative's current reconnection charge.

Wholesale Power Cost Adjustment - The above charges per kWh will be increased or decreased by 0.001 cents per kWh, or major fraction thereof, by which the Cooperative's average cost of purchased power per kWh exceeds or is less than the base cost of purchased power in Schedule WPCA, adjusted for line losses and applicable taxes.

¹ Includes services up to 450 amps

² Also includes single-phase services 600 amps and larger

RESIDENTIAL SERVICE
(R)

Membership - Each consumer receiving service under this schedule shall be a member of the Cooperative and abide by all service rules and regulations as adopted by the Cooperative and filed with the North Carolina State Utilities Commission.

Capital Credits - All monies received in excess of the cost of providing service to consumers billed under this schedule shall be allocated to each consumer at the close of each fiscal year. The allocation is based upon the total billings to each consumer and credited to each consumer's capital credit account. The capital credit account is refunded at later date as provided in the Bylaws.

REPS and EE Adjustments - The customer's monthly bill shall also include the Renewable Energy Portfolio Standard (REPS) and Energy Efficiency (EE) adjustments based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Renewable Energy Portfolio Standard Rider.

Conditions of Service - Service under this schedule is for permanent service. The obligations of the Cooperative are dependent upon its securing all necessary rights-of-way contract and/or contributions-in-aid of construction when this requirement is justified by the circumstances.

Right of Access - Duly authorized representatives of the Cooperative shall be permitted to enter the consumer's premise at all reasonable times in order to operate and maintain Cooperative's facilities.

Sales Tax - Any applicable North Carolina State and local sales taxes will be added to all service billed under this rate schedule.

Terms of Payment - The above rates are net. Bills are due and payable within 25 days of the billing date shown on the bill. In the event the current monthly bill is not paid, it shall be considered delinquent, and service will be suspended in accordance with the Cooperative's established Service Rules and Regulations.

RESIDENTIAL ALL-ELECTRIC SERVICE
(RE)

Availability – This schedule is available only to permanent individually metered residential consumers, condominiums, mobile homes, or apartments where all energy required for water heating, cooking, clothes drying, and environmental space conditioning is supplied electrically. Consumers receiving service under this schedule must also agree to the Cooperative installing load control switches on their water heater(s) and central air conditioning. Service under this schedule is subject to the established Service Rules and Regulations of the Cooperative.

Electric Space Conditioning and Water Heating Requirements - Electric heating and electric water heating equipment shall meet the following conditions:

Electric Space Heating and Central Air Conditioners:

1. Two stage-heating thermostats shall control heat pumps. The first stage shall control the compressor operation and the second stage shall control all auxiliary resistance heaters. Outdoors adjustable thermostats recommended.
2. If eligible, all heat pumps or central air conditioners shall be wired for conditioning load control.

Electric Domestic Water Heater:

1. 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.
2. Heaters having only a lower element may have wattage up to but not exceeding the specific wattage as shown below for various tank capacities:

<u>Tank Capacity in Gallons</u>	<u>Maximum Single Element Wattage</u>
30 to 39	3,500
40 to 49	4,500
50 and larger	5,500

3. Heaters having both a lower and upper element may have wattage in each element up to but not exceeding the specific wattage 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 wattage of the two elements does not exceed the specific wattage for single element heaters set forth in the table above, no interlocking device will be required.
4. Heaters of 120 gallon capacity and larger shall be subject to special approval.

RESIDENTIAL ALL-ELECTRIC SERVICE
(RE)

Type of Service - The Cooperative will furnish 60-hertz service through one meter at one of the following approximate voltages where available:

Single-Phase, 120/240 volts; or at company's option other available voltages.

Prospective consumers should contact the nearest Cooperative office to ascertain the available supply voltage before acquiring any equipment.

Rate - Monthly

Basic Facilities Charges:

Single-phase ¹	\$ 45.00
Three-phase ²	\$ 85.50

Energy Charges:

All kWh	<u>Summer</u> 7.67¢	<u>Winter</u> 6.96¢
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Summer includes the billing months of May, June, July, August, September, and October. Winter includes the billing months of November, December, January, February, March, and April.

Minimum Charges - The minimum monthly charge shall be the appropriate Basic Facilities Charge. A consumer that requests a service be reconnected, which has been disconnected for less than twelve months, shall be responsible for the greater of:

1. The monthly minimum charge, as determined above, times the number of months the service was disconnected, or
2. The Cooperative's current reconnection charge.

Wholesale Power Cost Adjustment - The above charges per kWh will be increased or decreased by 0.001 cents per kWh, or major fraction thereof, by which the Cooperative's average cost of purchased power per kWh exceeds or is less than the base cost of purchased power in Schedule WPCA, adjusted for line losses and applicable taxes.

¹ Includes services up to 40 amps

² Also includes single-phase services 600 amps and larger

RESIDENTIAL ALL-ELECTRIC SERVICE
(RE)

Membership - Each consumer receiving service under this schedule shall be a member of the Cooperative and abide by all service rules and regulations as adopted by the Cooperative and filed with the North Carolina State Utilities Commission.

Capital Credits - All monies received in excess of the cost of providing service to consumers billed under this schedule shall be allocated to each consumer at the close of each fiscal year. The allocation is based upon the total billings to each consumer and credited to each consumer's capital credit account. The capital credit account is refunded at later date as provided in the Bylaws.

REPS and EE Adjustments - The customer's monthly bill shall also include the Renewable Energy Portfolio Standard (REPS) and Energy Efficiency (EE) adjustments based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Renewable Energy Portfolio Standard Rider.

Conditions of Service - Service under this schedule is for permanent service. The obligations of the Cooperative are dependent upon its securing all necessary rights-of-way contract and/or contributions-in-aid of construction when this requirement is justified by the circumstances.

Right of Access - Duly authorized representatives of the Cooperative shall be permitted to enter the consumer's premise at all reasonable times in order to operate and maintain Cooperative's facilities.

Sales Tax - Any applicable North Carolina State and local sales taxes will be added to all service billed under this rate schedule.

Terms of Payment - The above rates are net. Bills are due and payable within 25 days of the billing date shown on the bill. In the event the current monthly bill is not paid, it shall be considered delinquent, and service will be suspended in accordance with the Cooperative's established Service Rules and Regulations.

EnergyUnited
Rate Schedules
Rate Code 2, 4 – Single Phase
Rate Code 12, 14 – Three Phase

Docket No. EC-82, Sub 23
Approved – November 17, 2022
Effective – January 1, 2023

RESIDENTIAL ENERGY STAR SERVICE
(RES)

Availability – This Schedule is available to all permanent individually metered residential consumers in all territory served by the Cooperative, subject to the Cooperative's established Service Rules and Regulations and applicability stated herein.

Applicability – Service under this Schedule is applicable to all residential consumers whose residence is in compliance with the Energy Star standards. Prior to receiving service under this Schedule, compliance with the Energy Star standards must be verified by a third party independent Home Energy Rating System (HERS) rater working for an approved HERS provider. For purposes of this Schedule, a service is classified as residential if it provides electricity to a single domicile and the primary energy usage is associated with the domicile.

Electric space heating and/or electric domestic water heating are not required, but if present, the equipment must meet the Energy Star standards and must be permanently installed in accordance with sound engineering practices and the manufacturer's recommendations. To qualify as All-Electric the following requirements must be met.

1. All energy required for water heating, cooking, clothes drying, and environmental space conditioning must be supplied electrically. All electric energy used by such dwelling must be recorded through a single meter.

2. Electric heat must be installed and used to supply the primary heating requirements throughout the residence -- primary means 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 solar, non-ducted wood stoves, gas logs, and portable kerosene heaters are permitted only for supplemental use. Dual fuel heat pumps may qualify if all other requirements met.

Electric water heating meeting the specifications set forth below must be installed and used to supply the entire water heating requirements, except that which may be supplied by non-fossil sources such as solar.

1. 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.

2. Water heaters having only a lower element may have wattages up to but not exceeding the wattages shown below for various tank capacities.

3. The total wattage of the elements in a water heater with a lower element and an upper element may not exceed the specific wattages below unless the water heater has interlocking thermostats to prevent simultaneous operation of the two elements such that the maximum wattage is not exceeded during operation.

RESIDENTIAL ENERGY STAR SERVICE
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<u>Tank Capacity in Gallons</u>	<u>Maximum Single Element Wattage</u>
30-49	4,500
50-119	5,500
120 and larger	Special approval

Energy Star Home Certification criteria may vary based on the geographical location of the residence. The criteria for each county served by the Cooperative and a list of independent HERS raters are available from the Cooperative or on the Energy Star web site at www.energystar.gov.

Character of Service – Service shall be provided at one point of delivery through a single meter at one of the Cooperative’s standard voltages. Standard service shall be single-phase, 120/245 Volts; 60 Hz. Three-phase service may be provided where available, at the option of the Cooperative.

Rate - Monthly

Basic Facilities Charges:

Single-phase ¹	\$ 45.00
Three-phase ²	\$ 85.50

Energy Charges:	<u>Standard</u>	<u>All-Electric</u>
Summer		
All kWhs	7.36¢	7.36¢
Winter		
All kWhs	6.92¢	6.48¢

Summer includes the billing months of May, June, July, August, September, and October.
 Winter includes the billing months of November, December, January, February, March, and April.

Minimum Charges – The minimum monthly charge shall be the appropriate Basic Facilities Charge. A consumer that requests a service be reconnected, which has been disconnected for less than twelve months, shall be responsible for the greater of:

1. The monthly minimum charge, as determined above, times the number of months the service was disconnected, or
2. The Cooperative’s current reconnection charge.

¹ Includes services up to 40 amps

² Also includes single-phase services 600 amps and larger

RESIDENTIAL ENERGY STAR SERVICE
(RES)

Wholesale Power Cost Adjustment – The above charges per kWh will be increased or decreased by 0.001 cents per kWh, or major fraction thereof, by which the Cooperative's average cost of purchased power per kWh exceeds or is less than the base cost of purchased power in Schedule WPCA, adjusted for line losses and applicable taxes.

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.

Membership – Each consumer receiving service under this schedule shall be a member of the Cooperative and abide by all service rules and regulations as adopted by the Cooperative and filed with the North Carolina State Utilities Commission.

Capital Credits – All monies received in excess of the cost of providing service to consumers billed under this schedule shall be allocated to each consumer at the close of each fiscal year. The allocation is based upon the total billings to each consumer and credited to each consumer's capital credit account. The capital credit account is refunded at later date as provided in the Bylaws.

REPS and EE Adjustments - The customer's monthly bill shall also include the Renewable Energy Portfolio Standard (REPS) and Energy Efficiency (EE) adjustments based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Renewable Energy Portfolio Standard Rider.

Conditions of Service – Service under this schedule is for permanent service. The obligations of the Cooperative are dependent upon its securing all necessary rights-of-way contract and/or contributions-in-aid of construction when this requirement is justified by the circumstances.

Right of Access – Duly authorized representatives of the Cooperative shall be permitted to enter the consumer's premise at all reasonable times in order to operate and maintain Cooperative's facilities.

Sales Tax – Any applicable North Carolina State and local sales taxes will be added to all service billed under this rate schedule.

Terms of Payment – The above rates are net. Bills are due and payable within 25 days of the billing date shown on the bill. In the event the current monthly bill is not paid, it shall be considered delinquent, and service will be suspended in accordance with the Cooperative's established Service Rules and Regulations.

Wholesale Power Cost Adjustment - The above charges per kWh will be increased or decreased by 0.001 cents per kWh, or major fraction thereof, by which the Cooperative's average cost of purchased power per kWh exceeds or is less than the base cost of purchased power in Schedule WPCA, adjusted for line losses and applicable taxes.

On-Peak and Off-Peak Periods - For the usage period beginning at 00:00:01 on April 1 through midnight on September 30, the On-Peak and Off-Peak times shall be:

On-Peak Hours: 2:00 p.m. - 6:00 p.m.

Off-Peak Hours: All other times.

For the usage period beginning at 00:00:01 on October 1 through midnight on March 31 the On-Peak and Off-Peak times shall be:

On-Peak Hours: 6:00 a.m. - 9:00 a.m.

Off-Peak Hours: All other times.

Membership - Each consumer receiving service under this schedule shall be a member of the Cooperative and abide by all service rules and regulations as adopted by the Cooperative and filed with the North Carolina State Utilities Commission.

Capital Credits - All monies received in excess of the cost of providing service to consumers billed under this schedule shall be allocated to each consumer at the close of each fiscal year. The allocation is based upon the total billings to each consumer and credited to each consumer's capital credit account. The capital credit account is refunded at later date as provided in the Bylaws.

REPS and EE Adjustments - The customer's monthly bill shall also include the Renewable Energy Portfolio Standard (REPS) and Energy Efficiency (EE) adjustments based upon the revenue classification of the account. The revenue classifications and monthly charges are shown in the Cooperative's Renewable Energy Portfolio Standard Rider.

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