

EASTERN ILLINI ELECTRIC COOPERATIVE

REGULATION NO. 25

SUBJECT: Extension of Overhead Primary Distribution Lines

OBJECTIVE:

It is the responsibility, intent and the mission of the Cooperative to provide safe, adequate, reliable electric service at the lowest reasonable cost to its Member/Owners at locations throughout a ten-county area by Electric Line Extensions (ELE) from its Existing Distribution System as the Cooperative is so authorized by the Illinois Electric Suppliers Act of 1965. The Cooperative designs, operates and maintains the Existing Distribution System following the Cooperative's specific long range and construction work plans, the National Electric Safety Code, the National Electric Code and other applicable standards and practices. The Cooperative considers normal load growth in the area of any new ELE, but attempts to avoid designing or building facilities resulting in unnecessary cost increases to the Cooperative or its Member/Owners.

The Extension of Overhead Primary Distribution Lines Regulation provides: (1) guidelines for the expansion and upgrading of the Cooperative's Existing Distribution System; (2) a way to measure equity between new and existing Member/Owners; and, (3) for an orderly maintenance of the Cooperative's capital structure.

A Member/Owner requesting an ELE to a location or increased electric service capacity (Service Upgrade or Conversion) shall pay for the ELE, Service Upgrade or Conversion as necessary to avoid the effect of existing Member/Owners subsidizing such electric service.

DEFINITIONS:

Applicant or Member/Owner: Any person or legal entity applying to the Cooperative for a Membership, Conversion, New Service, relocation of a portion of the Existing Distribution System, Service Upgrade or for an extension of the existing system.

Application for Membership/Service: The agreement between the Cooperative and the Applicant or a Member/Owner, which is required for a new or existing service. Application will be made on forms specified by THE COOPERATIVE and will include all necessary information requested.

Cooperative: Eastern Illini Electric Cooperative, Inc.

Contribution in Aid of Construction (CIAC): "non-refundable cash contribution" for the estimated cost of the ELE or Service Upgrade in excess of the Construction Allowance at the applicable rates and charges stated in Regulation No. 21.

Conversion: A change in the voltage, number of phases or phase configuration, or a change of overhead equipment to underground, on an existing service or a portion of the Cooperative's Existing Distribution System.

Easements: Any easements or rights-of-way required by the Cooperative in order to construct or maintain a Project.

Existing Distribution System: The electrical transmission and distribution facilities of the Cooperative as it exists at the time Application is made.

Indeterminate Electric Service: The character of the electric use at the Member/Owner location is either seasonal, non-permanent, non-standard voltage, depleting resource and intermittent or does not demonstrate and/or does not provide a reasonable return on the Cooperative's investment.

Electric Line Extension: Any new electric line built from the Existing Distribution System.

Line Extension Construction Allowance (Construction Allowance): Distribution primary line, transformation and overhead service conductor provided at no charge to a Member/Owner.

New Service: Electric service at a location not previously connected to the Existing Distribution System.

Permanent Electric Service: Electric service to any Member/Owner when the use of service, both as to amount and as to permanency, in the sole discretion of the Cooperative, can be reasonably assured.

Member Delivery Point (MDP): The point on the system, determined in the sole discretion of the Cooperative, where facilities owned, operated and maintained by the Cooperative connect to the facilities owned, operated and maintained by the Member/Owner. The Cooperative will own, operate and maintain all specified metering equipment, wherever located.

Project: Any new service, extension to the Existing Distribution System, relocation or Conversion requested by an Applicant or Member/Owner.

Service Upgrade: An improvement in capacity on an existing service due to an increasing load demand. Conversions are not considered a Service Upgrade even if caused by a Member/Owner increasing load demand.

Temporary Service: Any service of a temporary nature, without regard to the duration of service, where in the sole discretion of the Cooperative, the permanency of service is known to be for less than 12 months or cannot be reasonably assured.

REGULATION:

- I. Line Extension to Serve a New Location with Electric Service
 - A. Within its designated service area, the Cooperative will design and construct an overhead ELE to provide electric service at a Member/Owner's location if the electric use at such location will be permanent, year round and continuing. Such service is referred to hereinafter as permanent Electric Line Extension (Permanent Electric Service).
 - B. Such Permanent Electric Service shall be provided to the Member/Owner with a Line Extension Construction Allowance (Construction Allowance) of primary (distribution voltage), secondary and service conductor up to and including 1,320 feet in total length for

an overhead single-phase ELE or 660 feet in total length for an overhead multiphase ELE at either primary distribution voltages or secondary delivery voltages. The Construction Allowance also includes a pole-mounted transformer and meter pole.

- C. Within its designated service area, the Cooperative will design and construct an overhead ELE (new electric line built from the Existing Distribution System) to provide electric service at a Member/Owner's location if the electric use at such location is seasonal, non-permanent, non-standard voltage, depleting resource and intermittent electric service. Such electric use is hereinafter referred to as Indeterminate Electric Service. There shall not be any Construction Allowance for Indeterminate Electric Service. The Cooperative will require the Member/Owner to pay "a non-refundable cash contribution" Contribution in Aid of Construction (CIAC) equal to the estimated total cost of the ELE at the charges stated in Regulation No. 21, Rates and Fees.
- D. The Cooperative shall provide such overhead ELE at either distribution voltages (7.2/12.47 kV) or secondary delivery voltages (up to and including 600 volts). Standard voltages include 120/240 volts single-phase, 120/208, 277/480 or 480 three-phase, 60-hertz alternating current.
- E. For any ELE in excess of the Construction Allowance, the Cooperative shall require the Member/Owner to pay a CIAC for the estimated cost of the extension in excess of the allowance at the applicable rates and charges stated in Regulation No. 21. Examples of Electric Line Extensions to a Member/Owner's location for electric service that are Indeterminate Electric Service include, without limitation, the following:
1. Cabin, camping trailer, mobile home (not on permanent foundation with water and septic system installed), or oil/gas well;
 2. Intermittently operated loads, such as pump, grain bin, machine shed, barn, and feedlot;
 3. Any facility that, due to its nature, operates intermittently and/or has low energy use; or does not demonstrate and/or does not provide a reasonable return on the Cooperative's investment;
 4. Any project with an estimated kVA capacity that necessitates construction of a distribution voltage delivery substation and/or transmission voltage ELE;
 5. If the Cooperative is not assured of the stability and/or economic feasibility of any project, such ELE shall be classified as an Indeterminate Electric Service.
- F. Temporary Service is generally service, ordinarily not recurrent in nature, required for the construction of a Project or for an event, such as public roadway bridges or fairs. The most common service is 100 amps, 120/240 volts, single-phase and involves the installation of a transformer and service conductor to the Member/Owner's connection point. A Member/Owner requesting this type of Temporary Service shall pay a temporary service fee. (See Regulation No. 21)

1. A Member/Owner requesting an ELE for a temporary use electric service that requires any Cooperative provided facilities other than a service drop and transformer, shall pay a temporary service fee plus the entire estimated cost of installing and removing all Cooperative facilities, which includes the cost of installation and removal of any poles, wires, transformers, meter equipment, other facilities and maintenance incurred as part of the installation and removal.
2. A Member/Owner requesting installation of electric service that requires the installation and removal of a transformer that is not used for the Permanent Electric Service shall pay the temporary service fee.

II. Increased Electric Service Capacity to Existing Location

- A. A Member/Owner requesting an increased electric service capacity (Service Upgrade), for a verifiable kW load addition, that is a Permanent Electric Service, will qualify for the Construction Allowance as is provided for a Permanent Electric Service. The Construction Allowance includes distribution voltage primary line, pole-mounted transformer and overhead service conductor upgrade at no charge to the Member/Owner.
- B. A Member/Owner requesting an increased electric service capacity (Service Upgrade), when there is no significant kW load addition, or the additional kW load is intermittent electric service, must pay the full cost of any changes as a CIAC. This provision also applies to a Member/Owner requesting an electric service Conversion from overhead to underground, as well as a Member/Owner requesting a Conversion from single-phase to multiphase service, or an upgrade from a smaller service to a larger service where there is no significant increase in kW load.
- C. Premature Retirement of Existing Facilities

If any Existing Distribution System must be upgraded and is less than 20 years old, the Cooperative will charge an early termination fee equal to the remaining net value of any Existing Distribution System removed because of a Member/Owner request of a Service Upgrade.

III. Rights-of-Way

- A. The Member/Owner shall furnish, at no expense to the Cooperative, recordable Easements granting rights-of-way, satisfactory to the Cooperative for the installation, operation and maintenance of the ELE along the entire route as determined solely by the Cooperative. An ELE will be built along public rights-of-way or utility easements from the Existing Distribution System to the Member Delivery Point (MDP). (See Regulation No. 20 Underground Electric Service Facilities.) Consumers applying for an ELE may be required to secure for the Cooperative all necessary and convenient rights-of-way or Easements from adjacent landowners and pay the cost incident thereto. Failure of the Member/Owner to obtain rights-of-way or Easements in a timely manner is beyond the control of the Cooperative and will cause a delay in the Project.

- B. Rights-of-way or Easement areas, as the case may be, shall be cleared of all interfering vegetation and trees, according to the Cooperative's specifications at the Member/Owner's expense. The width of rights-of-way or Easements shall be 40 foot for single-phase service/lines and 60 foot for multiphase service/lines. The Member/Owner shall only plant tree species within the rights-of-way, which will not affect utility lines, as recommended by the International Society of Arboriculture and the Nurseryman's Association.
- C. Grain bin structures must be located in accordance with the **most current** National Electric Safety Code clearance requirements at the time of construction. To meet National Electric Safety Code and Occupational Safety and Health Administration requirements, **no building or other structure shall be placed within 15 feet of the Cooperative's distribution lines.** In the event a structure does not meet the clearance requirements, the Member/Owner may be required to pay the Cooperative to relocate the distribution lines associated with the account to meet such requirements.
- D. The Member/Owner shall be responsible for the full cost of any relocation or repair of the Cooperative's Existing Distribution System resulting from obstructions caused by the Member/Owner.

IV. Metering

- A. Overhead Metering. The Member/Owner's electrician is responsible for installing the electric meter loop when it is to be installed on a meter pole or on a building structure. The Cooperative will design, manufacture and install any current transformer (CT) metering and will charge the Member/Owner a CT meter installation fee in accordance with Regulation No. 21. Due to the various types of CT metering, each Application may require specialized equipment for which the Cooperative will charge the Member/Owner additional fees. The Cooperative will charge the Member/Owner for all materials, metering equipment and installation associated with metering for voltages in excess of 600 volts.
- B. Permissible Facilities on Transformer Pole. The only permissible metering facilities allowed on the Cooperative's poles where a transformer is installed are primary metering and underground meter loops, which will be installed by the Cooperative. No other metering will be allowed on any primary structures. The location of primary metering equipment or underground meter loop must be approved by the Cooperative at the Member/Owner's site prior to installation.
- C. Meter Base. The Member/Owner must provide and use a meter base that conforms to the Cooperative's approved standards for meter bases, and any Member/Owner provided meter loop must conform to the Cooperative's approved wiring specifications.
- D. Construction Delay Charge. Based upon notice from the Member/Owner, the Cooperative will schedule a date and time to complete the electrical connection between the Existing Distribution System and the MDP. If the Cooperative is required to make more than one trip to complete the electrical connection because of the Member/Owner's improper installation of a meter loop, a construction delay charge may be imposed. (See Regulation No. 21)

V. Standard Overhead Electric Line Extension Rules

- A. Standard Construction. The regulation set forth herein is for the extension of electric service, which is considered by the Cooperative to be the standard in distribution design, construction and voltages. Any facilities required and services beyond the standard, or power supply requirements that exceed the Cooperative wholesale contract limits, shall be charged at the full obligation and cost of the requesting Member/Owner.
- B. Non-Standard Equipment. If the Member/Owner requests that the Cooperative stock non-standard equipment for providing timely repair service to the Cooperative's facilities providing electric service to the Member/Owner's location, the cost of such equipment will be at the sole cost of the Member/Owner.

VI. System Improvement Required

As part of its ongoing construction program to rebuild and/or upgrade its own Existing Distribution System, the Cooperative shall be responsible for the system improvement costs of a line that is scheduled for repair or has reached the end of its expected service life, at no cost to the Member/Owners receiving electric service from such line. The need for the scheduling of any CIAC associated with such system improvement in conjunction with a Member/Owner's request for a new electric service location or upgraded electric service capacity shall be at the sole discretion and determination of the Cooperative.

VII. Sole Discretion of the Cooperative

The Cooperative, in its sole discretion, shall make the determination as to the economic feasibility, risk assessment, permanency or characterization of a New Service or Service Upgrade; adequacy and suitability of the Existing Distribution System to serve an existing or new electric load; the scheduling for the construction or rebuilding of any of its electric facilities; or the forms of security required to assure the Cooperative of recovery of all costs associated with providing electric service to the Member/Owner.

VIII. CIAC Due Prior to Construction

- A. Final engineering or construction shall not commence until the Cooperative has received the total CIAC. The Member/Owner shall provide any other required security prior to the Cooperative initiating any design or construction of electric facilities or entering into any contracts on behalf of the Member/Owner.
- B. When the Member/Owner requires new or additional kVA capacity, the Cooperative may, in its sole discretion, require separate contracts, which identify service characteristics, charges, billing, payment, term, rates and other conditions for service. Such contracts must be approved by the Cooperative's Board of Directors prior to the commencement of any design or construction.

IX. Distribution/Transmission, Substation and Wholesale Power Supply Contract Capacity

If the kVA capacity required to serve the Member/Owner's electrical requirements exceeds the available capacity in existing distribution/transmission lines or substation or wholesale power supply contracts, the Member/Owner shall make a non-refundable cash contribution (CIAC) or such other form of security as is satisfactory to the Cooperative for estimated costs to increase the available capacity with respect to wholesale power supply contracts.

X. Timely Completion

- A. It is reasonable for the Cooperative to expect the pre-construction phase to be completed in a timely manner. If not completed within 90 days from the Cooperative's initial meeting with the Member/Owner, it will be necessary, within the Cooperative's sole discretion, to either extend the cost estimate provided to the Member/Owner or provide a new estimate incorporating the then current terms of the Cooperative's line extension procedure and current construction costs.
- B. The Cooperative will make its best reasonable efforts to meet the Member/Owner's requested schedule for completion of the electric facilities. However, the Cooperative shall not be liable for any consequential damages or any other failure or delay in the performance of any obligation under this regulation or any other Cooperative Regulation.

XI. Billing for Monthly Charges

Billing for a new or upgraded electric service at the Cooperative's applicable general or optional monthly rate schedule will begin as of the date the Cooperative completes installation of electric service facilities to the requested location.

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