

BUSINESS PROCEDURE

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| EVERSOURCE | SUBJECT | NUMBER |
| | ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/ INDUSTRIAL CUSTOMERS IN CONVENTIONAL UNDERGROUND AREAS | NB-5 |
| DATE ISSUED | DATE EFFECTIVE | ISSUED BY |
| June 2017 | May 1, 2018 | Director-Distribution Engineering |

PURPOSE

To set forth the policy for providing electric supply to commercial/industrial customers in areas served by underground systems.

SCOPE

Applies to conventional and network systems in designated underground areas in the EVERSOURCE service territory in CT which includes both existing underground distribution areas and those designated for expansion.

POLICY

A) General

The Company standard in designated areas is to furnish a conventional underground electric supply for new and upgraded services.

The standard types of supply available to the customer will be determined by the planned or existing distribution system for the area in which the customer is located. Equipment, capacity, or reliability beyond that specified in Northeast Utilities Distribution Standards will be paid for by the customer, as well as any associated CIAC tax liability. When an alternate cable or other facilities are provided as part of the standard supply for Company benefit, the customer will not incur any additional charges. The customer will also pay for all additional cable beyond 200 feet or the shortest practical distance from the property/easement line to the attachment point as per NB-2.

Whenever possible, NB-2 will be used to derive the customer charges. For more complex applications or when required construction includes items not listed in NB-2, the charges will be computed by alternate means. Estimated annual revenue is not a basis for determining charges under this policy.

The attached matrix, Exhibit 1, defines the Company's and customer's responsibilities for the various underground supply combinations.

A letter of agreement (service proposal) is required between the Company and the customer, outlining the respective responsibilities and charges.

If an easement is required, no facilities will be installed until the easement and supporting documents have been received, approved by the Company and recorded with the municipality.

The Company will determine the type of service and standard voltage to be furnished after discussions with the customer or the customer's representative regarding the customer's needs and anticipated load. Standard nominal service voltages shall be in accordance with Company distribution standards, and the "Information and Requirements for Electric Supply Below 600 Volts" book.

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Multiple Company-owned transformers at a single location serving a single large service entrance shall be considered a single transformer installation.

The Company will not own any electrical distribution facilities, including transformers, within the customer's building beyond the service entrance equipment.

The Company will provide, install, and maintain a duct seal between the Company's conductors and the customer's conduit. The Company will repair a leaking duct seal upon a customer's request, but will not be responsible for damage resulting from any leaking seal.

Multiple points of delivery, if approved by the local authority, will be considered as a separate customer and will be metered and billed accordingly.

If EVERSOURCE determines that primary disconnect devices, primary fuses, and transformers will be required to be located on the customer's premises, the Company and the customer will decide on a mutually satisfactory location for such equipment installation(s) in accordance with applicable codes and Company standards.

B) Requirements

1. All Company-owned equipment shall be accessible, 24 hours per day, to Company personnel without prior notice. Vehicle access may be required at some locations.
2. The customer's responsibilities shall include the following:
 - a) Provide and install the conduit system between the service entrance location and a point on the distribution system designated by the Company. Alignment, depth, and grading will be approved by the Company's representative; this includes trenching, back-filling, concrete encasement and restoration in accordance with applicable town and state codes. The customer will supply and install "warning" tape in the trench, 12" above the conduit.
 - b) Furnish space and structures for primary equipment and transformer(s) that are required to be on the customer's property. Such structures may be a pad on grade (which is preferred) or a vault above or below grade.

NOTE: These structures shall be designed and installed in accordance with the Eversource Energy Distribution Standards and all applicable codes.

- c) Provide Company-approved lug connectors and limiters to connect the secondary cable of the network transformer, if installed on the customer's property, to the customer's secondary bus.

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- d) Provide, install and maintain a sleeve or conduit through the wall with a suitable seal between the wall and the conduit.
- e) Provide, install, and maintain the main disconnect device(s) with proper Company-approved electrical connectors for the Company's service conductors. In addition, the customer will provide, install and maintain fuses/breakers, meter socket(s), and all wiring and equipment on the load side of the main disconnect device(s) and/or meter(s) at the service entrance.
- f) Provide, install and maintain the complete secondary system beyond the main switch, meter socket, common connection point or bushings of the Company-owned transformer(s), if this equipment is located on private property. The customer will loosely make up all transformer connections (Company supplied) to the Company-owned transformers to ensure proper conductor length, with the Company making the final connection.

NOTE: The customer or contractor should be cautioned against damaging transformer bushings in any way. They should never be used as a stanchion in the course of pulling conductors.

- g) Provide for metering in the service design with an accessible meter location approved by the Company (outside meter location whenever practical).
- h) Provide, install and maintain meter boards, conduit for metering, and cabinetry, and install the Company-provided instrument transformers if required.
- i) Provide box or raceway, for a single meter, from the building end of the duct opening to the meter and service entrance switch location. In the case of multiple meters, the box and/or raceway is to be pre-wired to Company specifications and have provisions for sealing.
- j) Multiple meter installations shall include permanent identification labels for each unit.
- k) Provide, install and maintain ventilation, elevator capacity to permit the installation and change-out of the transformers, access to basement transformer vault(s), lighting and drainage of the transformer vaults
- l) Provide, install, and maintain the limiter cabinet if one is required by the Company.

3. The Company's responsibilities shall include the following:

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- a) Provide, install and maintain the conductors from the Company's distribution system in the road or easement area to the customer's service entrance equipment or the Company transformer located on the customer's premise.
- b) Provide, install and maintain primary switching, sectionalizing, or protective devices.
- c) Provide, install and maintain limiters on Company-supplied secondary conductors, if required.
- d) Make connections of the Company-supplied secondary conductors.
- e) Make all connections to primary disconnects, primary fuses and transformer(s) supplied from a primary service.
- f) Provide the connectors between the customer's conductors and the secondary bushings of the Company-owned transformer(s).
- g) Provide, install and maintain all meters as required by the applicable rate and do all wiring between instrument transformers and meter(s).
- h) Provide, own and maintain the secondary cable between the building network grid and the street grid if the transformer installed on the customer's property is to be part of a secondary network extending beyond the customer's property.

C) Unusual Conditions

1. The Company will not support the installation of new two-phase utilization equipment. The Company will provide phase-changers for customer's three-phase equipment where only two-phase is available at utilization voltage level and until such time that the two-phase supply is eliminated. The Company will retain ownership of the phase-changers.
2. The Company will negotiate special arrangements to accommodate the supply when unusual conditions exist.
3. When a customer requests a transformer cooling medium other than liquid-filled that is acceptable to the Company, the Company will provide, install, and maintain it, but the customer shall be required to pay for the added cost of such a transformer. This additional cost may include a spare transformer, which will be stored at the customer's location.
4. The distribution system for a particular underground area may require that the Company provide, at its option, a special service for which the customer will not be

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charged. (It will be treated as a normal service.) Types of special services may be such facilities as spot networks, automatic transfer features or multiple transformers.

5. When special service or distribution facilities are requested by the customer beyond that which would normally be provided by the Company, the customer will pay the additional cost. The Company will work with the customer to determine if this will be in the form of a one-time charge, a monthly facilities charge, or customer ownership.

D) Additional Charges

1. It is the policy of the Company to bill a monthly charge when a customer requests reserve capacity not normally designed into the distribution system.
2. If the customer requests automatic-transfer switching and the Company determines that an alternate source is available, then the customer will contribute the entire cost of the additional facilities required to provide automatic-transfer switching. The Company will bill the customer, on a monthly or annual basis, the cost to maintain the automatic operability of the switchgear. These costs will include any reserve capacity required in the alternative supply not normally designed into the distribution system. If the Company, for its own benefit, elects to install automatic-transfer switching, there will be no charge to the customer for this service.

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| Street Facilities | | Conventional UG | | Network | | Primary |
|--|---------------------------------------|-----------------|--------|-----------|----------|---------|
| Type of Service Supply on Private Property | | Secondary | | Secondary | | |
| Service Entrance Capacity 400 Amp | | < | = or > | < | = or > | |
| Single or Multiple Cables | | | | Single | Multiple | |
| Eversource Supplies | Service Cable (200 FT Max.) | X | | X | X | |
| | Primary Cable (200 FT Max.) | | | | | X |
| | Transformer Secondary Connectors | | | | | X |
| | Cable Limiters | | | | X | |
| | Instrument Transformers (> 400 Amp) | | X | | X | X |
| Customer Responsibility | Secondary Conductors | | X | | | X |
| | Secondary Cable Limiters | | | | | X |
| | Meter Socket and Cabinetry | X | X | X | X | X |
| | Concrete Products | X | X | X | X | X |
| | Trenching/Conduit/Backfill | X | X | X | X | X |
| | Warning Tape | X | X | X | X | X |
| | Tree Trimming/Removal | X | X | X | X | X |
| | Blasting | X | X | X | X | X |
| | Heavy Duty Main Switch | X | X | X | X | X |
| | Concrete-encased Conduit | | X | | X | X |
| | Road Crossing, if required | X | X | X | X | X |
| | Easement, if required | X | X | X | X | X |
| 24 Hour Access | X | X | X | X | X | |
| Eversource Charges | Primary Cable over 200 FT | | X | | | X |
| | Service Cable over 200 FT | X | | X | X | |
| | Transformer Differential Charge | | | | | X |
| | Other Construction, traffic control | X | X | X | X | X |
| | Automatic Transfer Scheme | | | | | X |
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