BUSINESS PROCEDURE

EVERSOURCE	SUBJECT **RESIDENTIAL ELECTRIC SERVICE GENERAL TERMS AND CONDITIONS**	NUMBER NB-1
DATE REVISED: June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director – Distribution Engineering

PURPOSE

To provide a policy for a uniform response to requests for electric service to all individually metered residences.

SCOPE

This policy sets forth the conditions and requirements for providing electric service to all single-family residences, multi-family residences, condominiums and apartment buildings in the EVERSOURCE service territory in CT where each dwelling unit is individually metered.

This policy does not apply to the following:

- Service to apartment buildings of four or more stories.
  - Uninhabitable floors count as stories
- Services greater than 400 amps
- Primary distribution for residential developments.
- Master metered assisted living facilities.

POLICY

A) General

1. The Company's standard policy is to provide residential electric service with a "standard service" (either one span of overhead (OH) conductor or 200 feet of single phase secondary service conductors in conduit (CS), plus a meter), at no charge.

2. In designated CS areas or if requested by a customer, the Company will provide residential electric service consisting of up to 200 feet of secondary service conductors in customer-installed conduit plus a meter at no charge. A customer will be charged on a per foot basis as per NB-2 for service cables in excess of 200 feet.

3. In designated underground (UG) areas a residential service will be considered a CS service and all associated charges and requirements will apply.

4. The Company will not provide an overhead service from existing CS, UG or DB (direct buried, or conduit) distribution facilities.

5. Prices used to compute charges are subject to change. All price quotations will be valid for 90 days. A written statement to this effect will be part of every quotation. Customer contributions will include provision for Contribution In Aid of Construction ("CIAC") tax liability.

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6. Customer contributions will be paid in full prior to the Company beginning construction.

7. Final installation of service conductors will not be made by the Company until completion of all required customer work. This normally requires only one crew trip to completely install the service. If additional trips are required due to the customer's request or action or inaction, ~~there will be a~~the Company reserves the right to charge to cover the additional cost. If overtime work is required, the charge will reflect that cost.

8. Tree trimming, tree removal and blasting required for the supply of OH electric service ~~on private property~~ will be paid for or provided by the customer.

9. Trenching, conduit, concrete products, backfill, road crossing and restoration, as required for a CS electric service will be provided and installed by the customer from the point of attachment to a point on the distribution system designated by EVERSOURCE. All conduit and backfill will be in compliance with Company specifications. The customer will supply and install "warning" tape in the trench, 12" above the conduit or conductors.

   If the designated point on the distribution system is on the opposite side of the road, the customer should be encouraged to install a CS road crossing. However, an overhead crossing may be installed at the customer's expense including the pole, the length of customer-dedicated road crossing conductor and any required guying and guy anchor(s). If a road crossing pole exists or is provided by another utility, a customer's CS service may be taken from that pole.

10. NB-2 will be used to calculate all customer charges for a new service.

B) New Service - Types and Sizes

1. The Company will determine the type of service based on the customer's needs and load characteristics. ~~available and~~ the location of the service entrance ~~in cooperation with the customer~~, will be determined by the Company. ~~based on the customer's needs and load characteristics.~~

   - For single phase installations, the ~~normal~~ point of attachment will be designated by the Company, normally on the front half of the customer's building.

   - The location of single phase meter installations will be designated by the Company, normally on the front or side of the customer's building, closest to distribution facilities. The front of the building is considered to be the side adjacent to the distribution facilities.

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- An increase in service entrance capacity at an existing location will be treated as a new service. This includes if an existing DB service conductor is not adequate to support the typical load for the new service entrance capacity. The customer will provide and install the conduit from the distribution system to the service entrance and pay the Company for new service conductor in excess of 200 feet. In conventional UG areas, the customer must provide and install all necessary service conduit from the ~~curb line~~distribution system in the street to the service entrance and pay the Company for new service conductor in excess of 200 feet.

- Company supplied conductors will terminate at the weatherhead for OH installations and at the meter socket, main disconnect or instrument transformer cabinet for CS. (See B.4 for additional detail)

- The customer shall make the necessary provisions in their electric service entrance equipment to accommodate Company-provided metering equipment.

- The meter socket shall be of a type currently approved by the Company.

2. A customer contribution and associated CIAC tax liability will be required for:

   - **OH SERVICES:** All conductors that exceed the standard service distance allowance. ~~-~~The standard service distance allowance is one span of conductors at no cost. The Company reserves the right to bill the customer for all other equipment. ~~-from OH distribution facilities in the town road or EVERSOURCE easement area to the designated point of attachment and which does not require an intermediate pole on private property (except when necessary for road clearance).~~

   - **CS SERVICES:** CS service includes one continuous run of conductors from CS or UG distribution facilities in the town road or easement area to the normal attachment point as designated by the Company. The installation trench should be as straight as possible and bends should not exceed 225 degrees. There will be a charge for all CS service conductors, on a per foot basis, beyond 200 feet.

   - **OH to CS SERVICES**: The customer shall pay for the conversion riser plus all charges associated with a CS service.

3. The Company will furnish, install, own, and maintain single-phase OH or CS secondary service conductors for individually metered single-phase residential loads or for three-phase systems when the need is justified. The customer will furnish and install all CS service conduit and concrete structures on private property. The Company will maintain and own the conduit and concrete structures after the service equipment has been installed.

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4. For self-contained CS installations, the Company provided conductors will terminate in the meter socket. For CS installations with current transformers, the Company provided conductors will terminate in the customer's current transformer cabinet, main disconnect, meter trough or other suitable device immediately adjacent to the wall entrance.

5. The customer shall contribute the costs associated with the installation of all primary service facilities ~~on private property.~~ The contribution will include differential costs of any ground level transformation.

6. Normally, residential loads will be served with single-phase service. When a need for three-phase can be justified by the load (75 kVA or greater), then a three-phase service will be provided but only if three-phase is available at the site or brought to the site in accordance with NB-12: Primary Extension. For large residential complexes, the Company may choose to install a three-phase service to the building (at its own expense) but individual customers will be served only with single phase service.

7. If the Company, for its own purpose, elects to size service facilities in excess of what normally would be required to serve the load, the customer is not required to pay for the increased size.

C) Temporary Services

A charge will be required for all temporary services. When the temporary service will be removed instead of being incorporated into the permanent service, the charge will reflect the additional costs for removal.

- Temporary OH service is available only from an OH distribution system.
- Temporary CS service is available only where permanent CS or UG (or DB) distribution is available.

D) Maintenance Of Existing Services

The Company will maintain Company owned ~~all~~ individual residential OH or CS (or DB) services. ~~including those which may have been customer-installed.~~

Maintenance will apply to conductors, conduit and concrete structures and may consist of repair or replacement, as determined by the Company. The Company will maintain single-phase OH or CS secondary service conductors for individually metered single-phase residential loads or for three-phase systems

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when the need is justified. The customer will be responsible for all other maintenance and any necessary modifications of service entrance equipment and meter boxes, as well as restoration of lawns, shrubbery, fencing, walls, walkways and paving. The customer will also be responsible for all wiring from the overhead attachment point to the meter and all wiring beyond the meter.

In UG areas, 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.

E) Relocation of Service Conductors

Meter equipment may require replacement based on Company determination.

1. Overhead

If the customer requests a relocation of the building attachment point of the present OH service conductors to a new approved attachment point, there will be no charge if the relocation can be accomplished in one trip by a line crew during regular scheduled hours. If more than one trip or overtime is required, there will be a charge~~.~~

2. Conduit System (CS~~ or DB~~)

The customer will trench, install conduit as required, backfill and restore as necessary. The customer will pay for all new cable required in accordance with the conductor size.

3. Conversion of OH Service Conductors to CS

If the customer requests a conversion of his existing overhead service to CS, the conversion will be treated as a new service with additional charges for the conversion riser and removal of the existing OH service.

4. Removal For Demolition

The Company will remove the last span of existing service cable, at no charge, for demolition upon receipt of a Company-approved request form from the customer/building owner.

The Company shall honor this removal request within ~~5~~15-working days from the time stipulated in the customer written request or from the receipt of the written request.

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The Company shall promptly confirm in writing to the person making the request that the service has been removed.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT: ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/ INDUSTRIAL CUSTOMERS IN CONVENTIONAL UNDERGROUND AREAS	NUMBER: NB-5
DATE ISSUED: June 2017	DATE EFFECTIVE: May 1, 2018	ISSUED BY: 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 UG 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 is~~may be~~ required for all ~~at some~~ locations with Company-owned equipment.

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 caution tape that is red with black lettering. The warning message on the red plastic caution tape shall read: CAUTION – ELECTRICAL LINE BURIED BELOW. ~~"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.

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EVERSOURCE	SUBJECT ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/ INDUSTRIAL CUSTOMERS IN CONVENTIONAL UNDERGROUND AREAS	NUMBER NB-5
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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.

~~c)~~
NOTE: This equipment shall be reviewed and approved by Eversource prior to being purchased.~~ese~~

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 secondary 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 outdoor meter location approved by the Company. ~~(outside meter location whenever practical).~~

h) P~~rovide,~~ rovide the required space, install and maintain meter cabinets, conduit for metering and cabinetry, install the Company provided instrument transformers if required. One-line diagrams are required for review by Eversource for these services.~~install and maintain meter boards, conduit for metering, and cabinetry, and install the Company-provided instrument transformers if required.~~

i) Provide a compound box, with provisions for sealing.~~x 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, use a modular meter cabinet. ~~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 located on the meter pan, unit main switch, unit subpanel box, and unit door and frame. ~~.~~

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT: ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/ INDUSTRIAL CUSTOMERS IN CONVENTIONAL UNDERGROUND AREAS	NUMBER: NB-5
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k) Provide, install and maintain ventilation, elevator capacity to permit the installation and change-out of the transformers, access to basement transformer vault(s), and 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:

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 Company-owned 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 metering equipment, and ~~,~~ primary fuses, ~~and transformer(s)~~ on the source side, ~~supplied~~ for ~~from~~ a primary metered 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.

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

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 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 when a service at the specific location already exists.~~.~~

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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DATE ISSUED: June 2017	DATE EFFECTIVE: May 1, 2018	ISSUED BY: Director-Distribution Engineering

	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

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/INDUSTRIAL CUSTOMERS	NUMBER NB-10
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director – Distribution Engineering

PURPOSE

To set forth a policy for a uniform response to requests for overhead (OH), conduit system (CS) or direct buried (DB) electric supply and service to all commercial and industrial customers.

SCOPE

Applies to electric supply and service to all commercial and industrial customers in OH~~,~~ and CS ~~and DB~~ distribution areas of EVERSOURCE starting at the distribution facilities in the street or easement areas.~~–~~ See policy NB-5 for details for supply and service in the underground system (UG).

POLICY

A) General

1. EVERSOURCE will supply the last section (one closest to the customer's facilities) of EVERSOURCE-installed conductor on the customer's property, at no charge to the customer for OH conductors.~~-~~ A section is defined as one span of OH conductor or up to 200 feet measured along the ground for CS conductors.~~ For loop feed situations, the 200 foot distance allowance includes both incoming and outgoing conductors, i.e. both sides of the loop (up to 400 feet).~~ Customer charges ~~for additional conductors (for both sides of the loop)~~ will be based on the total conductor length involved.

~~2.~~ The customer will pay the full cost ~~or differential charges (as appropriate)~~ for all other facilities onto private property.~~, except meters and OH transformation, but will not pay for modifications to the existing distribution system.~~

~~3.~~2. If the customer's service entrance capacity exceeds 400 amperes, ground level transformation will be installed and the customer will supply the entire secondary system from the secondary terminals of the transformer to the customer's service entrance.

~~4.~~3. The attached matrix, Exhibit 1, defines the Company's and customer's responsibilities for a variety of supply combinations.

~~5.~~4. The Company will install a road crossing pole at ~~no c~~for a charge to the customer only when that pole is required for safety clearance.~~-~~ The building must be located where it could normally be served by a single span of conductors directly from the distribution system across the road except for clearance above the road.

~~6.~~5. 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 shall not be used as a basis for determining charges.

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B) Types of Supply

1. Standard nominal service voltages shall be in accordance with Company Distribution Standards and the EVERSOURCE Information and Requirements for Electric Supply booklet.

2. The normal types of supply available to the customer may be limited by the planned or existing distribution system for the area in which the customer is located. Equipment, capacity, or reliability beyond that normally provided will be paid for by the customer, as well as any associated CIAC tax liability.

3. At the Company's discretion, a customer may be served by an existing secondary network system.

4. Each multiple point of delivery, if approved by the local authority, will be considered as a separate customer and will be metered and billed accordingly.

5. 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 need.

C) General 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 locationaccess is required (meter location excluded).

2. An easement or right-of-way may be required along with a letter of agreement between the Company and the customer, outlining the respective responsibilities. No facilities will be installed until the required easement or right-of-way and supporting documents have been received, approved by the Company and recorded with the municipality.

3. The customer shall provide forinclude metering equipment in the service design. The customer shall provide the required space, install, and maintain meter boardscabinets, conduit for metering and cabinetry, and boxes and shall install the Company provided instrument transformers (if required). One-line diagrams are required for review by Eversource for these services.

3.4. Multiple meter installations shall include permanent identification labels for each unit located on the meter pan, unit main switch, unit subpanel box, and unit door and frame. In the case of multiple meters, use a modular meter cabinet. The Company will install all meters as required by the applicable rate and do all wiring between instrument transformers and meter(s).

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~~4.~~5. Final installation of the service conductors will not be made by the Company until completion of all customer ~~-~~ required ~~preliminary~~ work. ~~–~~ This will normally require only one crew trip to completely install the service. ~~–~~ If additional trips are required due to the customer's request or negligence, a charge based on estimated cost may be made for each additional trip.

~~5.~~6. Tree trimming, tree removal, rock boring, and blasting required for ~~OH~~ electric supply or service on private property will be paid for or provided by the customer.

~~6.~~a. Trenching, conduit, concrete products, road crossing, backfill and restoration, as required for a CS electric supply or service will be provided by the customer to the base of the pole or other point designated by EVERSOURCE. ~~-~~ Back-fill material must not contain large stones or boulders which could damage the conduit and/or conductors. ~~-~~ The customer will supply ~~"warning" tape to be installed in the trench 12" above the conduit or conductors.~~ And install caution tape that is red with black lettering. The warning message on the red plastic caution tape shall read: CAUTION – ELECTRICAL LINE BURIED BELOW.

7. Prices used to compute charges are subject to change. ~~–~~ All price quotations will be valid for 90 days. ~~-~~ A written statement to this effect will be part of every quotation. ~~–~~ Customer contributions will include provision for CIAC tax liability.

D) Unusual Conditions

1. When any unusual conditions exist, special arrangements will be made by the Company in consultation with the customer.

2. ~~Under special conditions, d~~Due to the nature of the load or dimensions of the building, high voltage distribution to ~~various~~multiple transformer locations may be provided. ~~–~~ It should be noted that most tariff rates will allow for only one Company ~~-~~ owned transformer installation at one location. ~~–~~ In these cases, the customer will be ~~responsible~~charged for ~~the additional~~ high voltage distribution equipment and ~~any additional~~ transformation. ~~Multiple Company-owned transformers at a single location serving a single large service entrance shall be considered a single transformer installation.~~

3. If a customer elects to receive the Facilities Ownership Credit allowed in certain approved rates, the customer shall furnish, install and maintain all conductors, transformers and distribution equipment on the load side of the meter. ~~on private property, excluding the metering equipment.~~ The Company will work with the customer to design the transition point near the property line.

4. The Company will assess a monthly facilities charge when a customer, with an existing service, requests reserve capacity not normally designed into the distribution system.

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E) Changes to Existing Supply or Services

1. Increased Load Without a Change in Service Entrance Capacity

   There shall be no charges associated with the replacement of a transformer when the customer increases the load without increasing the capacity of the service entrance, even if the work cannot be done during normal working hours.

2. Increased Load With a Change in the Service Entrance Capacity

   When the customer is increasing the load and service entrance capacity at the existing location and the work can be done during normal hours, the normal charges associated with the new service will apply. If the work cannot be done during normal hours, the customer will also be responsible for all ~~incremental~~ labor costs incurred by the Company.

3. Relocation

   The customer will be charged the full expense of Company costs to relocate an existing electric service when the relocation is at the customer's request.

4. Relocation in Conjunction With a Change in the Service Entrance Capacity

   If the customer is increasing the service entrance capacity and also requests a new location, a contribution will be required for the standard charges associated with the new service and the ~~incremental~~ cost of any required overtime.

5. Power Factor Compensation

   If the Company determines that the customer has poor power factor as defined in the tariff rate schedule, and the Company has to install a larger transformer or other equipment, the customer will pay for the additional transformer capacity or equipment required to compensate for the poor power factor.

6. Removal

   The Company will remove the existing UG service cable, at no charge, for demolition upon receipt of a Company-approved request form from the customer/building owner.

   The Company shall honor this approved removal request within 15-working days from the time stipulated in the customer written request or from the receipt of the written request.

   The Company shall promptly confirm in writing to the person making the request that the service has been removed.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT: ELECTRIC SUPPLY AND SERVICE TO COMMERCIAL/INDUSTRIAL CUSTOMERS	NUMBER: NB-10
DATE REVISED: June 2017	DATE EFFECTIVE: May 1, 2018	ISSUED BY: Director – Distribution Engineering

EXHIBIT

	Street Facilities	OH							DB/CS		
	Supply on to Private Property	OH				CS			CS		
	Type of Company Supply on Private Property	Pri		Sec		Pri		Sec	Pri		Sec
	Customer's Service	OH	CS	OH	CS	CS	CS	CS	CS	CS	CS
	Service Entrance Capacity 400 Amp	</=	>	</=	</=	</=	>	</=	</=	>	</=
Eversource Supplies	Secondary Conductor (1 Span or 200')	X		X	X	X		X	X		X
	Primary Conductor (1 Span or 200')		X				X			X	
	Transformer Secondary Connectors		X				X			X	
	Meter	X	X	X	X	X	X	X	X	X	X
	Instrument Transformers		X				X			X	
Customer Responsibility	Service Conductor		X				X			X	
	Meter Socket and Cabinetry	X	X	X	X	X	X	X	X	X	X
	Concrete Products		X			X	X		X	X	
	Trenching/Conduit/Backfill		X		X	X	X	X	X	X	X
	Warning Tape		X		X	X	X	X	X	X	X
	Tree Trimming/Removal	X	X	X	X	X	X	X	X	X	X
	Blasting	X	X	X	X	X	X	X	X	X	X
	Road Crossing, if required	X	X	X	X	X	X	X	X	X	X
	Easement, if required	X	X	X	X	X	X	X	X	X	X
	24 Hour Access	X	X	X	X	X	X	X	X	X	X
Eversource Charges the Customer	All Primary Conductors	X				X			X		
	Primary Conductors, exceeding 1 free section		X				X			X	
	Secondary Conductors, exceeding 1 free section	X		X	X	X		X	X		X
	Riser		X		X	X	X	X			
	Transformer Differential Charges		X			X	X		X	X	
	Poles	X	X	X	X						
	Anchors	X	X	X	X						
	Other Construcution	X	X	X	X	X	X	X	X	X	X

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT PRIMARY EXTENSIONS	NUMBER NB-12
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director - Distribution Engineering

PURPOSE

To set forth a policy and procedure for uniform system response to requests for extensions, modifications, or reconductoring of Eversource facilities, excluding those required to serve customers on private property. Extensions, modifications or reconductoring of Eversource facilities can pertain to circuit upgrades and distribution substation upgrades necessary to increase capacity for new customers. ~~primary overhead (OH), conduit system (CS) or underground (UG) extensions or modification of single-phase lines to three-phase, on town roads, state highways, or easement areas.~~

SCOPE

This policy applies throughout the EVERSOURCE service territory in CT.

POLICY

A) Company policy is to extend or modify ~~primary distribution or to modify single-phase distribution to three-phase~~Eversource facilities, excluding those required to serve customers on private property~~on town roads, state highways, or rights-of-way upon request,~~ at no cost to a customer, provided the estimated construction cost does not exceed 6.7 times the anticipated Annual Distribution Company Revenue from the new three-phase services. For the purposes of this procedure, Annual Distribution Company Revenue is further explained in paragraph B under PROCEDURE below.

B) When the estimated construction costs are expected to exceed 6.7 times the anticipated Annual Distribution Company Revenue, the customer must pay a refundable advance equal to the difference between the construction costs and 6.7 times the anticipated Annual Distribution Company Revenue. This estimated construction cost is calculated by using a load ratio share methodology.~~-~~ The customer must also pay an advance for any associated CIAC tax liability. This advance will be held in an advance account for a period of up to four years from the completion of the extension and the advance will not accumulate any interest. Refunds will be made from this advance only if the actual loads exceed the anticipated revenue. ~~additional loads (including loads from other new customers with three-phase services) are connected within the four-year period.~~ The refund will be equal to 6.7 times the actual Annual Distribution Company Revenue from the additional loads, plus the appropriate portion of the original CIAC tax liability, up to the total amount of the original advance. ~~If no additional loads are added, no refunds will be made.~~

At no time will the total of all refunds exceed the amount of the original advance. No refunds will be made after four years from the completion of the extension.

C) In addition to the advance set forth in paragraph B above, an additional refundable advance equal to the lower of the construction cost or 6.7 times the anticipated Annual Distribution Company Revenue may be required from the customer in any instance where there is a significant risk that the Company's new construction may not be used to the extent specified by the customer in the request within one year after completion of the extension. ~~-~~This additional advance amount is calculated by using a load ratio share methodology. This ~~additional advance amount~~advance will be refunded when the

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT PRIMARY EXTENSIONS	NUMBER NB-12
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director - Distribution Engineering

extension is put to full use, as specified in the customer's request. Full use will be considered to have been achieved when the customer meets or exceeds one-sixth of their anticipated annual revenue for two consecutive months. The Company will determine if the customer has put the extension to full use after 4 years of completion. If the customer believes they have met the revenue requirement in less than 4 years, the customer must contact the Company to determine if the extension was put to full use. ~~revenue for a two-month period equals or exceeds one-sixth of the anticipated Annual Distribution Company Revenue. This must be achieved within four years of the completion of the extension.~~

D) When the customer requests CS or UG construction and the Company agrees that the construction is appropriate for the location, the customer will pay a nonrefundable contribution equal to the differential cost between a standard OH system and the agreed upon system.

1. Tree trimming, tree removal, rock boring and blasting costs will be paid for or provided by the customer.

2. Trenching, conduit, concrete products, road crossing, backfill and restoration, as required for a CS electric extension will be provided by the customer. Back-fill material must not contain large stones or boulders which could damage the conduit and/or conductors. The customer will supply “warning” tape to be installed in the trench 12” above the conduit or conductors.

E) When the three-phase extension will satisfy a Company need, customer charges, as defined above, will be reduced accordingly.

PROCEDURE

A) Upon receipt of a customer request for a service beyond existing primary distribution, the Company will develop the cost estimate of the necessary primary extension or modifications to Eversource facilities. ~~or the modification cost to change single-phase distribution to three phases.~~

1. Primary extension cost estimates will include all costs of the extension.

   - The cost estimate will include a credit allowance for up to one half mile of overhead single phase construction for a single new customer and one mile for two or more new customers.

2. Modifications to Eversource facilities ~~from single-phase to three-phase cost estimates~~ will include all costs (i.e. labor, materials, tree trimming, additional conductors, larger poles, and additional anchors).
The costs for pole replacements due to age will not be included since they represent a general expense in keeping a distribution system in proper operating condition.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT PRIMARY EXTENSIONS	NUMBER NB-12
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director - Distribution Engineering

~~B)~~ Upon completion of estimated construction costs, the Company representative will determine the amount of any required customer advance. ~~The customer advance will be the amount of construction cost, less 6.7 times the anticipated Annual Distribution Company Revenue (approved 'Distribution' or 'D' component of unbundled rates) from the new loads. (The anticipated Annual Distribution Company Revenue determination shall be based on the first full year of operation after a "start-up" period of six months or less.)~~ An "Agreement for Primary Extensions" (see Exhibit I) will be prepared for execution by the customer and the Company. If the customer is requesting three-phase service for a residence in Connecticut, a "plain language" contract will be required and the Energy Delivery Business Policy Administrator should be consulted to obtain the contract form. ~~Customer advances will be credited to:~~

~~AU CCC In Blank Column~~

~~B) 1D 349 25201~~

~~C)~~

~~1.~~ The Company will determine if the customer has put the extension to full use after 4 years of completion. If the customer believes they have met the revenue requirement in less than 4 years, the customer must contact the Company to determine if the extension was put to full use. ~~At the conclusion of each year during the first four years of operation, the Company will review the extension to determine if a refund is due. The Company will determine if there were any new customers with three phase service or other three-phase load additions and also determine the additional Annual Distribution Company Revenue received from these additions during the prior year. The Company will then authorize refunds when appropriate, charging:~~

~~AU CCC In Blank Column~~
~~1D 349 25201~~

~~1.~~

~~2. Contributions received for the CS or UG differential costs should be assigned to the CCC of the Area Work Center, using the accounting distribution and activity codes of the work order.~~

~~C)~~D) When there will be a greater than a one year delay between the construction of the extension and the customer's anticipated full use, the Company may also require an additional refundable advance, equal to the lower of the construction cost or 6.7 times the anticipated Annual Distribution Company Revenue. Paragraph 3.b. of Exhibit I, "Agreement for Customer Advance," should reflect this additional advance. If this additional advance is not required, zeros should be entered in Paragraph 3.b., indicating that there was no additional advance. Refunds of the additional advance shall be made as soon as the customer contacts the company within four years of the completion of the extension or modifications and the extension or modifications are put to full use, as specified in the customer's request. ~~'s use of the extension is substantially equivalent to that anticipated, as evidenced when Distribution Company Revenue for a two-month~~

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT PRIMARY EXTENSIONS	NUMBER NB-12
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director - Distribution Engineering

~~period equals or exceeds one-sixth of the anticipated Annual Distribution Company Revenue. Accounting will be the same as in paragraph B under PROCEDURE, above.~~

1. The Company representative will record the effective date of the Agreement, both in the appropriate customer file and in a reminder file that will provide for annual reviews.

NB-12

EXHIBIT I

AGREEMENT FOR CUSTOMER ADVANCE FOR PRIMARY EXTENSION

Agreement made this _____ day of, ____, between EVERSOURCE (the Company), having its principal office at 107 Selden Street, Berlin, Connecticut, and _____ (the Customer).

In consideration of the premises and of the mutual covenants herein contained, the Company and the Customer agree as follows:

1. The Company shall extend its electric circuit approximately _____ feet in a (N. E, S or W) direction along _____(street)_____ in the __(City, Town) of _____.

2. The Customer shall, within thirty days of the Company's completion of the extension, connect the Company's circuit with the Customer's premises located on _____(street), (town),_____ (the Premises) and thereafter, the Customer shall take and pay for electric service received there from at the regular scheduled rate charged by the Company for such service.

3. It is agreed that the estimated cost of the Company investment in the primary extension is _____ dollars ($_____). It is further agreed that the Company's anticipated Annual Distribution Company Revenue from the electric usage at the Premises, based on the approved Distribution Charge, is _____ dollars ($_____). This anticipated Annual Distribution Company Revenue will support an extension cost of dollars _____ ($_____).

   a) Recognizing that the anticipated Annual Distribution Company Revenue from electric usage at the Premises is insufficient to support the Company's investment in the primary extension, it is agreed that the Customer will advance to the Company _____ dollars ($_____) for the extension and _____ dollars($_____) for CIAC tax liability, calculated at _____%, for a total advance of _____ dollars ($_____). The Company shall pay no interest for the period that it holds the Customer's advance. A portion of this advance may be refunded to the Customer, without interest, as a result of the Customer's additional three-phase load or new three-phase services for others who benefit from the extension. The Customer will be eligible for refunds at the end of each of the first four (4) years from the effective date of this Agreement. Each year, the refund will total no more than 6.7 times the actual Annual Distribution Company Revenue of the new load additions installed in that year, plus the residual of the associated CIAC tax liability. In no event shall the Company be obligated to refund a total amount in excess of the total of _____ dollars ($_____) advanced by the Customer, nor any amount based on revenue received after four (4) years from the effective date of this Agreement.

   b) Also recognizing that the anticipated Annual Distribution Company Revenue will not be received by the Company immediately at the conclusion of the Company's construction, it is further agreed that the Customer will pay the Company an additional advance of _____ dollars ($_____) which will be refunded, without interest, when the total Customer Distribution Company Revenue for a

two-month period equals or exceeds one-sixth of the anticipated annual Distribution Company Revenue. The Customer shall also pay the Company _____ dollars ($_____) representing the CIAC tax liability, calculated at _____%, for the additional advance. The residual amount of the CIAC tax liability will be refunded with the refund of the additional advance.

c) (Optional) The Customer has requested that the extension be (conduit system or underground) and the Company has agreed to provide such construction. It is agreed that the customer shall make a nonrefundable contribution of _____ dollars ($_____) and _____ dollars ($_____) for the associated CIAC tax liability, calculated at _____%, to cover additional costs versus standard overhead construction.

4. The Customer shall make all advance payments to the Company prior to the start of construction.

5. The Company shall have the right to refund at any time, without interest, the total un-refunded balance of the amount advanced by the Customer and after such refund has been made the Company shall be under no obligation to make any further payment or refund of any kind to the Customer.

6. The Company shall not be required to supply service under this Agreement in less than 30 days after the date of the Customer's advance payment and the recording of all required easements with the Town Clerk.

7. The circuit and other facilities installed under this Agreement shall be and remain the sole property of the Company and the Company shall have the right, at its option, to serve other customers from this circuit and extensions thereto.

8. The Customer shall assist the Company in securing any necessary easements for setting poles and erecting wires for the above-described circuit, and the Company shall not be bound to construct such circuit unless and until such easements are secured without expense to the Company.

9. The effective date of this Agreement shall be the date shown above.

10. This Agreement shall not bind the Company until it has been approved by a duly authorized representative of the Company and a duplicate shall have been signed by such representative on behalf of the Company.

11. This Agreement shall not be assignable by the Customer.

The laws of the State of Connecticut shall govern all questions as to the execution, nature, obligation, construction, validity, and performance of this Agreement.

12. The entire Agreement between the parties is contained herein and this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof.

13. Amendments. No purported amendment or modification of this Agreement shall be effective unless in writing and executed on behalf of the party against whom it is to be enforced.

14. Severability. If any of the provisions of this Agreement shall be invalid or unenforceable, such invalidity or unenforceability shall not invalidate or render unenforceable the entire Agreement, but rather the entire Agreement shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of the Company and the Customer shall be construed and enforced accordingly.

Dated at _____ this _____ day of _____.

Accepted:

_____
(Name of Customer)

Witnesses:

_____
_____ By _____
(Name and Title)

Eversource Energy

Witnesses:

_____
_____ By _____
(Name and Title)

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRICAL DISTRIBUTION TO NEW RESIDENTIAL DEVELOPMENTS	NUMBER NB-21
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

PURPOSE

To set forth a policy and procedure that will result in uniform system responses to requests for overhead (OH) or conduit system (CS) electric distribution systems to residential developments.

SCOPE

Applies to all new residential developments in the EVERSOURCE service area in CT where each dwelling unit is to be individually metered (except developments within a designated underground system area). Residential developments include residential subdivisions, condominiums and apartment buildings (less than four stories), planned area developments, property that is or has previously been subdivided for the purpose of establishing individual or multiple building lots, and, in general, any individual or multi-dwelling construction approved by the proper authority of the municipality.

POLICY

A. General

1. The Company will extend electric distribution within new residential developments and along improved municipal roads with single-phase OH facilities at no cost to the customer. The Company will extend electric distribution along unimproved town roads when the developer, customer or municipality has met the following conditions:

   a. The municipal ‘taking line’ has been indicated by survey stakes or other reasonable marking. Distribution poles will be placed in locations that will not be in conflict with future improvements such as roadway widening or sidewalk installation.
   b. A minimum ten foot buffer has been cleared of trees or other impediments to the installation of distribution poles, anchors and wires.

2. The Company shall collect a contribution when a CS electric distribution system will be supplied. The contribution will be for the added cost of a CS distribution system versus the equivalent OH system (differential charge), plus any associated CIAC tax liability. The contribution shall apply to all CS extensions whether from existing OH or DB/CS distribution. The CIAC tax liability includes both cash and non-cash contributions. The contribution and any CIAC tax liability must be paid prior to the Company beginning construction.

3. In cases where the Company decides, based on engineering design considerations, to extend electric distribution with three-phase facilities, construction estimates, for the purpose of determining customer charges, shall be based on single-phase construction.

4. In cases where the customer requests a three-phase extension for the purpose of serving three-phase equipment, refer to Policy NB-12 for determination of customer charges. Construction estimates, for the purpose of determining customer charges, shall be based on three-phase construction.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRICAL DISTRIBUTION TO NEW RESIDENTIAL DEVELOPMENTS	NUMBER NB-21
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

5. Whenever possible NB-2 will be used to derive the construction estimates or customer contribution. For more complex applications or when required construction includes items not listed in NB-2, the charges will be computed by alternate means. For CS developments that exceed or will exceed 26 lots an additional charge will assessed for installing a second riser to accommodate loop-feed construction.

6. Extensions on existing or proposed roadways leading to the residential development shall be OH construction. If the customer requests or the municipality requires CS and the Company agrees that CS is appropriate for that location, the extension leading to the residential development shall be designed and installed with potential tap points and transformer locations. The developer shall be responsible for the CS installation and the associated differential charges outside of the development, including all applicable cash and non-cash CIAC tax liability.

7. If any excess trips are required of Company crews to install or repair the distribution system due to the customer's request or action or inaction, the Company reserves the right to charge the customer for the cost of such trips, in addition to the payment prior to construction.

B. Customer Contributions

Contributions are calculated as shown in Exhibit NB-21-A.

1. Subdivisions: For subdivisions, the basis for calculation of charges shall be the number of lots shown on the town approved plot plan. The average lot frontage used for the differential charges of a CS distribution system will be the sum of the lengths of all lot property frontages abutting the proposed rights-of-way and the lengths of all property frontage for open spaces within the subdivision abutting proposed rights-of-way, divided by the number of approved lots. Lots served from existing distribution shall not be included in the calculations. Reference Exhibit NB-21-B

2. Backlots: Extensions on an individual lot, exceeding the standard service (single span of OH secondary) will be treated as private property extensions. However, when an easement is obtained on a single lot to serve an adjacent lot(s), the customer contribution for CS will be computed on the basis of the average lot frontage charge where the easement length divided by the number of lots is considered the average frontage. Reference Exhibit NB-21-C

3. Apartments/Condominiums: For extensions on an individual lot for multiple metered units, the customer contribution for CS will be computed on the basis of the length of the easement obtained divided by the number of service locations. Reference Exhibit NB-21-D

4. Planned Area Developments: For multiple single meter units on one lot, the customer contribution for CS will be computed on the basis of the length of the easement obtained divided by the number of metered services. Reference Exhibit NB-21-E

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRICAL DISTRIBUTION TO NEW RESIDENTIAL DEVELOPMENTS	NUMBER NB-21
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

5. Prices used to compute contributions and factors used to compute CIAC tax liability are subject to change. All price quotations will be valid for 90 days. A written statement to this effect will be part of every quotation.

C. Responsibilities of the Customer

1. OH DISTRIBUTION

All tree trimming, tree removal and blasting required for the extension of OH distribution facilities along existing and proposed roads and on private property will be provided by the customer at the customer's expense.

2. CS DISTRIBUTION - SUBDIVISIONS

All tree removal, trenching, blasting, conduit, concrete products, road crossings, backfill with material complying with Company specifications and other restoration for the extension of CS distribution facilities along proposed town roads and on private property shall be provided by the customer. The customer will supply and install "warning" tape in the trench 12" above the conduit.

3. CS DISTRIBUTION - CONDOMINIUMS, APARTMENTS AND OTHER PRIVATE PROPERTY

All tree removal, trenching, blasting, conduit, concrete products, road crossings, backfill with material complying with Company specifications and other restoration for the extension of CS distribution facilities on private property shall be provided by the customer. The customer will supply and install "warning" tape in the trench 12" above the conduit.

4. DISTRIBUTION EASEMENTS

When required by the Company, it is the responsibility of the customer to supply, at no cost to the Company, a permanent distribution easement.

D. Streetlights

1. WHERE OH DISTRIBUTION IS TO BE INSTALLED:

Streetlights, upon request, will be provided in accordance NB-200 and EVERSOURCE Rate 116. An agreement prior to construction is not required. If streetlights are to be installed, owned and maintained by the municipality, NB-208 and EVERSOURCE Rate 117 will apply, and the customer will be directed to make the arrangements directly with the municipality.

2. WHERE CS DISTRIBUTION IS TO BE INSTALLED:

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRICAL DISTRIBUTION TO NEW RESIDENTIAL DEVELOPMENTS	NUMBER NB-21
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

Streetlights, upon request, will be provided along existing or proposed town roads or along a private roadway within the distribution easement area in accordance with NB-200; Street and Security Lighting. To coordinate the installation of the conduit and concrete structures, a written agreement on streetlight layout should be reached between the Company and the customer (the customer is responsible for obtaining written municipal approval, as required) before construction of the distribution system begins. All customer contributions will be in accordance with NB-200 and EVERSOURCE Rate 116. If streetlighting is to be installed, owned and maintained by the municipality, NB-208 and EVERSOURCE Rate 117 will apply, and the customer will be directed to make the arrangements directly with the municipality.

PROCEDURE

A. Developers will be required to provide appropriate information regarding a request for extension of distribution facilities into a new residential development. The request will include a copy of the plan as approved by the appropriate municipal authority.

B. The Company will develop a proposed distribution system layout and any estimated OH or CS costs required by this policy, using the methodology shown in Exhibit NB-21-A, Computation of Customer Contribution for New Residential Developments. Refer also to examples provided in Exhibits NB-21-B, C, and D, and E.

C. Standard letters shall be used to communicate arrangements with and collect contributions from the customer. Any modifications to these letters required for special situations must be approved by the Business Policies Administrator.

Residential Distribution Agreement Letter - Exhibit NB-21-F

D. The work shall not be scheduled until receipt of the signed agreement letter and any customer payment, in addition to any required easements or permits.

E. Payment collected from the customer shall be promptly forwarded to the Electric Service Support Center. Instructions should be provided to the Electric Service Support Center for crediting the payment to the proper accounts, including the work order number, the work request number, and the activity number established for installation of the distribution system. Account numbers are listed in the blank column of the miscellaneous payment record.

Contributions: Work Order, Activity Number, 14393 (in the blank column)

CIAC tax liability: Cash CIAC: 1864W (in the blank column)
Non-cash CIAC: 1864N (in the blank column)

Note the distinction between 1864W and 1864N

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT ELECTRICAL DISTRIBUTION TO NEW RESIDENTIAL DEVELOPMENTS	NUMBER NB-21
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

EXHIBIT NB-21-A

COMPUTATION OF CUSTOMER PAYMENT
FOR NEW RESIDENTIAL DEVELOPMENTS

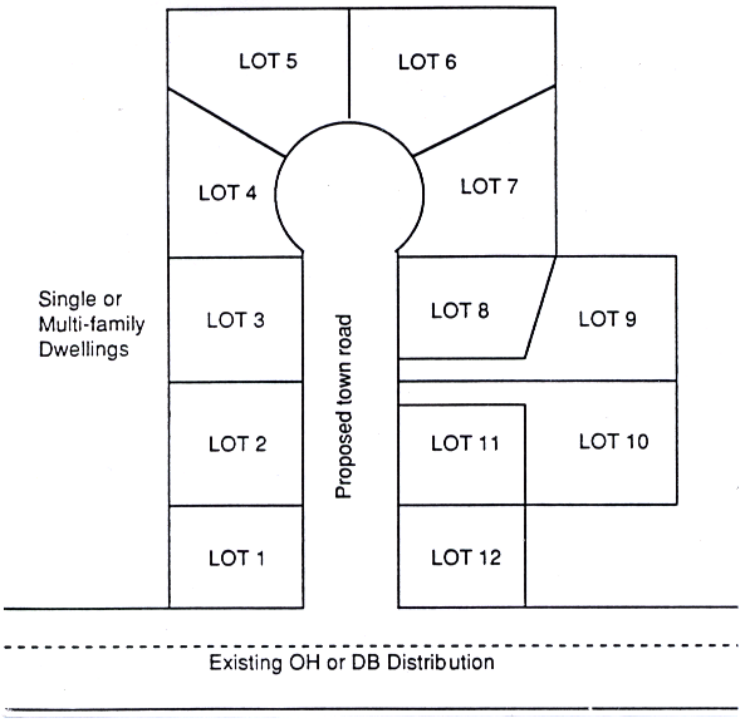
The customer contribution is to be calculated as follows:

Nonrefundable Contribution (if CS is to be installed)	
# of Lots _____ x $_____ per Lot	= $____(A)____
Tax Liability [(A) x (tax liability factor - 1.00)]	= $____(B)____
Non-cash Tax Liability	
[(value of customer contributed plant) x (tax liability factor - 1.00)]	= $____(C)____
Total Nonrefundable Contribution [(A) + (B) + (C)]	= $____(D)____

EXHIBIT NB-21-B

SUBDIVISION EXAMPLE

CS Distribution Request



Assume the average lot frontage to be 150 feet.

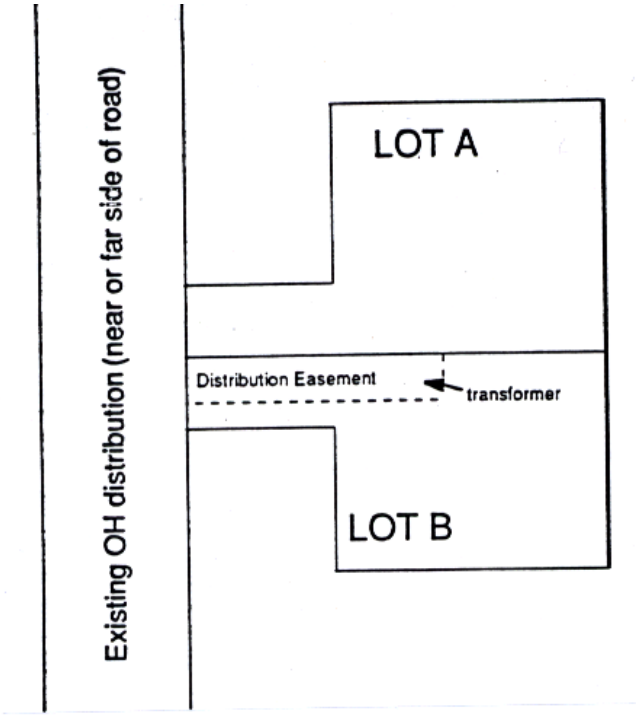
Differential Charge = 12 lots x $307 per lot (based on average lot frontage)....	=	$3,684
Tax Liability = 13% of $3,828	=	$479
Non-cash Tax Liability = 13% of $1,500	=	$195
Total Customer Contribution.....	=	$4,358

UNIT CHARGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. USE CURRENT NB-2 VALUES AND THE CURRENT TAX LIABILITY FACTOR WHEN PERFORMING ESTIMATES.

EXHIBIT NB-21-C

DOUBLE BACKLOT EXAMPLE

CS Distribution Extension Request



Assume the easement is 300 feet. Divide 300 by 2 lots for an average lot frontage of 150 feet.

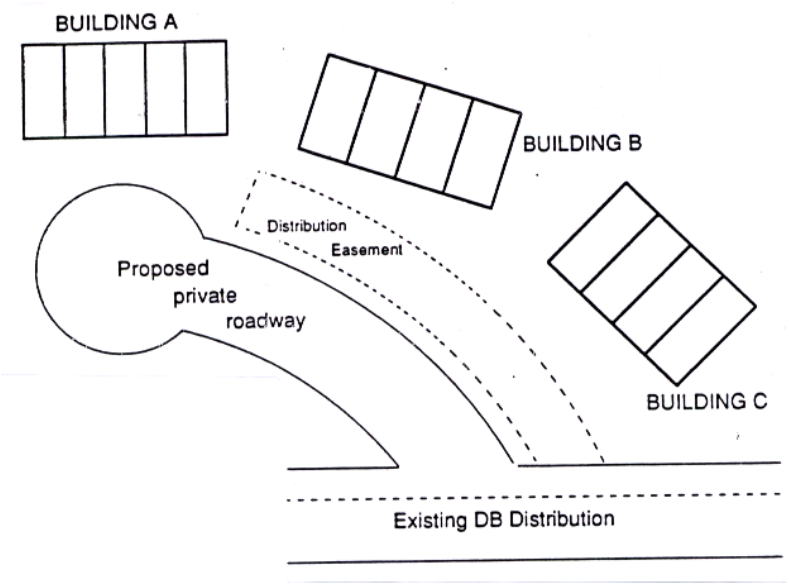
Differential Charge = 2 lots x $307 per lot (based on average lot frontage)....	=	$614
Tax Liability = 13% of $614……....	=	$80
Non-cash Tax Liability = 13% of $160 …….....	=	$16
Total Customer Contribution.....	=	$710

UNIT CHARGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. USE CURRENT NB-2 VALUES AND THE CURRENT TAX LIABILITY FACTOR WHEN PERFORMING ESTIMATES.

EXHIBIT NB-21-D

APARTMENT/CONDOMINIUM EXAMPLE
(on a single parcel of private property)

CS Distribution Extension Request



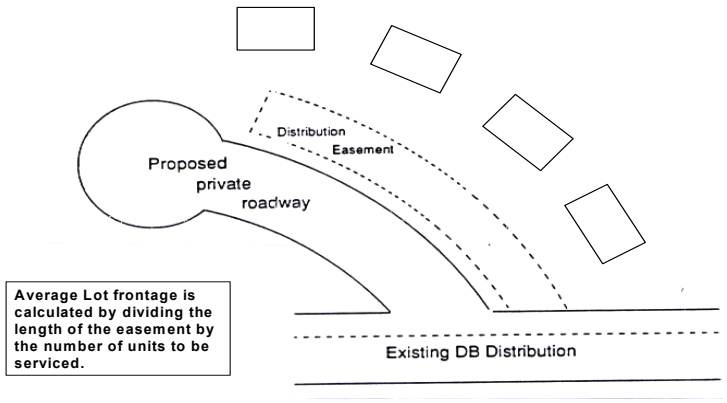
Assume the easement is 600 feet. Divide 600 by 3 services for an average lot frontage of 200 feet.

Differential Charge = 3 services x $316 per lot (based on average lot frontage).	=	$948
Tax Liability = 13% of $ 948	=	$123
Tax Liability for Customer-Installed Plant = 13% of $900)	=	$117
Total Customer Contribution	=	$1,188

UNIT CHARGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. USE CURRENT NB-2 VALUES AND THE CURRENT TAX LIABILITY FACTOR WHEN PERFORMING ESTIMATES.

PLANNED AREA DEVELOPMENT EXAMPLE

Individual Units on a Single Land Parcel



Assume the easement is 600 feet. Divide 600 by 4 services for an average lot frontage of 150 feet.

Differential Charge = 4 services x $307 per lot (based on average lot frontage).	=	$1,228
Tax Liability = 13% of $1,228	=	$160
Tax Liability for Customer-Installed Plant = 13% of $1,000).....	=	$130
Total Customer Contribution.....	=	$1,518

UNIT CHARGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. USE CURRENT NB-2 VALUES AND THE CURRENT TAX LIABILITY FACTOR WHEN PERFORMING ESTIMATES.

EXHIBIT NB-21-F

OH DISTRIBUTION AGREEMENT LETTER
NEW RESIDENTIAL DEVELOPMENTS

Note: An "*" at the beginning of a sentence or paragraph indicates that the text that follows is optional, as the situation warrants.

*_____
_____
_____

Dear _____:

This agreement sets forth the conditions for providing overhead (OH) electric distribution and services for your development, known as (name)_____,
(street)_____,
(town)_____, (state)_____. It will be necessary for you to make a payment of $_____ before the work is started. This amount is calculated as shown in the attachment to this agreement.

All tree trimming, tree removal and blasting required for the extension of the distribution facilities will be provided by you.

There will be no additional charge for installation of the overhead service conductors between the overhead distribution facilities and the designated meter locations as long as the service does not require an intermediate pole on private property, except for road clearance purposes. There will be additional charges for temporary service connections, for poles set on private property that are not required for road clearance purposes and for additional length of conductors required.

*It is your responsibility to supply, at no cost to the Company, a permanent distribution easement. No facilities will be installed until all required easement and supporting documents have been recorded with the Town Clerk.

The terms of this Agreement will remain firm until (90 days from now). After that date this agreement may, at the option of the Company, be reconfirmed in writing by the Company if you so request, or may be re-negotiated reflecting any new costs or policy changes.

Kindly sign the original copy and return it to me with your check. Retain the second copy for your files.

Very truly yours,

_____

Attachment

ACCEPTED BY_____

TITLE_____

NAME OF FIRM_____DATE_____

ADDRESS OF FIRM_____WITNESS_____

EXHIBIT NB-21-F

ATTACHMENT TO CS DISTRIBUTION AGREEMENT LETTER

(date)_____

(development name)_____
(street)_____
(town)_____(state)_____

CALCULATION OF CONTRIBUTION

1.	Payment equal to the differential charge for the conduit system distribution system (vs. an equivalent overhead system)	= $_____
2.	Payment equal to the Company's tax liability (_____% of the sum of the above))	= $_____
3.	Payment equal to the Company's tax liability for Customer-Installed Plant	= $_____
4.	Total Nonrefundable Contribution (Item 1 + 2 + 3)	= $_____

EXHIBIT NB-21-F

CS DISTRIBUTION AGREEMENT LETTER
NEW RESIDENTIAL DEVELOPMENTS

_____
_____
_____

Dear _____:

This agreement sets forth the conditions for providing conduit system (CS) electric distribution for your development, known as
(name)_____,
(street)_____,
(town)_____, (state)_____. It will be necessary for you to make a total payment of $_____ before the work is started. This amount is calculated as shown in the attachments to this agreement.

All tree removal, trenching, road crossings, blasting, conduit, concrete products, backfill with material complying with Company specifications and other restoration for the installation of the conduit system electric service conductors on existing and proposed town roads or on private property will be provided by you.

We will provide and install all conductors, including those between the conduit system distribution facilities and the designated meter locations. We will terminate the service conductors in your outdoor meter socket. There will be additional charges for temporary service connections and for additional length of conductors required, payable at the time of the request.

It is your responsibility to supply, at no cost to the Company, a permanent distribution easement. No facilities will be installed until the required easement and supporting documents have been filed with the Town Clerk.

In order that streetlight facilities may be installed together with the distribution system, a written agreement on streetlight layout must be reached between the Company and you before construction begins. You are responsible for obtaining written municipal approval.

The terms of this agreement will remain firm until (90 days from now). After that date this agreement may, at the option of the Company, be reconfirmed in writing by the Company if you so request, or may be re-negotiated reflecting any new costs or policy changes.

Kindly sign the original copy and return it to me with your check. Retain the second copy for your files.

Very truly yours,

_____

ACCEPTED BY_____

TITLE_____

NAME OF FIRM_____

ADDRESS OF FIRM_____

DATE_____

WITNESS_____

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT INSTALLATION, TESTING, AND MAINTENANCE OF CUSTOMER-OWNED EQUIPMENT	NUMBER NB-150
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

PURPOSE

To set forth a policy on the installation, testing, maintenance and operation of customer-owned equipment.

SCOPE

This policy applies to all classes of customers connected to the EVERSOURCE system. This policy does not apply to distributed generation ("DG") interconnection requirements: refer to EVERSOURCE/UI ("United Illuminating") guideline documents for these requirements.

POLICY

A) General

1. The customer is responsible for meeting the Company's requirements for their equipment whose failure or malfunction could adversely affect the Company's system. The adequacy of safety and system protection equipment will be determined by the Company. These requirements are intended to ~~ei~~nsure compatibility of such facilities with the electric system of the Company but shall not be construed as endorsing a particular design, equipment or facilities, or creating any warranty of safety, durability, or reliability. The detailed Company requirements depend upon the electric system design at the interface between the customer and Company facilities. The customer may be required to supply drawings or other data relating to the interface. The Company will perform a design review of the interface, according to current procedures, and will provide the customer with the proper specifications for the purchase, installation, testing, and maintenance of customer-owned equipment. The Company will also provide customers with the information necessary to enable the customer to coordinate the customer-owned protective equipment with the Company's facilities.

2. The customer will cooperate with the Company in implementing operating procedures deemed appropriate by the Company for customer-owned equipment. For the safety of its employees, the Company will require advance notification of the operation of customer equipment that could result in a backfeed into Company equipment.

3. The customer is responsible for employing or obtaining the services of personnel properly trained in the operation, maintenance, and testing of their equipment.

4. Company involvement with the installation, maintenance and testing of customer-owned equipment is as follows.

   a) The Company will not operate customer-owned equipment unless covered by an existing agreement or required by other Company policies. No new agreements will be made for the Company to operate customer-owned equipment.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT INSTALLATION, TESTING, AND MAINTENANCE OF CUSTOMER-OWNED EQUIPMENT	NUMBER NB-150
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

b) The design of any new service ~~should~~must avoid Company personnel having to operate customer-owned equipment. ~~-~~On new services or ~~significantly rebuilt~~ changes to existing services~~services~~, the Company requires the installation of Company-owned and operated disconnect switches for all primary-voltage circuits supplying customer-owned equipment. The customer must ~~, and requires the customer to~~ provide space to locate the Company-owned switches and equipment.

~~c)~~ The Company will continue to honor service agreements currently in effect.

~~d)~~ The Company may authorize contracts or agreements to provide service for customer-owned equipment with officer approval.

~~e)~~c) To encourage proper equipment maintenance and testing of customer equipment including replacement, the Company will provide personnel for switching of Company facilities at no charge during its normal business hours and at hourly rates outside of normal business hours as indicated in the CHARGES section of this policy.

B) Pertinent Electrical Equipment Requirements

1. Pertinent electrical equipment is customer-owned interface equipment whose failure or malfunction could adversely affect the Company's system. The customer is responsible for maintaining their electrical interface equipment in a condition which will not adversely affect the Company's system.

2. The customer is responsible for the initial and periodic testing of all pertinent protective relaying equipment on a mutually agreeable schedule, or at least every two years. The customer shall provide to the Company written certification signed by qualified personnel or by a qualified testing agency as evidence of the periodic testing and proper operation of this equipment. In addition, the Company reserves the right to inspect and test this protective relaying equipment at any time in order to certify its proper operation. Such inspection and testing will not relieve the customer of their obligation to provide such testing.

3. The Company will rely on its own observations to determine if the customer's equipment does not appear to be maintained properly. The Company will inform the customer in writing, requesting that the customer take necessary corrective action. Failure of the customer to perform proper maintenance and testing of the pertinent equipment may be cause for disconnection of the service.

4. All pertinent equipment and other equipment which constitutes the electrical interface, whether or not customer-owned, shall be readily accessible to Company personnel 24 hours each day.

PROCEDURE

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT INSTALLATION, TESTING, AND MAINTENANCE OF CUSTOMER-OWNED EQUIPMENT	NUMBER NB-150
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

A) The Company, as part of the design review process, will review and approve the proposed slope characteristics and settings of adjustable pertinent protective equipment. In addition, the Company will supply the customer with both the available short-circuit duty for their coordination purposes and the estimated maximum short-circuit amperes for their selection of nonadjustable equipment.

B) Before customer-owned equipment is connected to the Company's system, it must be tested, in place, in the presence of the Company's designated personnel. The customer will coordinate the schedule with the appropriate Company personnel to perform this work during the Company's normal working hours. Any Company work required outside normal working hours will be subject to charges as stated in Section A.1b, under CHARGES, below.

C) The Company encourages proper maintenance and testing. The customer shall give the Company ~~two~~three weeks advance notice when making a request for switching of Company facilities.

CHARGES

A) The charges listed herein apply when the customer requires maintenance or replacement of their equipment at existing locations after their service has been connected and/or energized for the first time. They do not apply to new customers who are being connected or energized for the first time, unless the customer requests the Company to perform this work outside normal working hours. For work outside of normal working hours, the customer will be charged according to Section 1.b., below.

1. Customers

a) Normal Working Hours

The Company will not charge for switching of its facilities during normal working hours. Customer will be responsible to provide generation for the other customer's fed by the same facility.

b) Outside Normal Working Hours

For maintenance, testing or replacement of customer-owned equipment requiring Company personnel for switching outside normal working hours, the customer will be billed at full cost for all labor, materials, and vehicles. The bill will be calculated in accordance with Company rules and/or union contract commitments or actual hours worked, whichever is greater. Payment is required prior to starting the work. If the Company incurs additional costs due to the actions of the customer or its contractor(s), the customer will be charged accordingly.

For Company efforts other than switching, the Company will bill the customer for the full estimated costs of labor, materials, vehicles, and any outside services.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT INSTALLATION, TESTING, AND MAINTENANCE OF CUSTOMER-OWNED EQUIPMENT	NUMBER NB-150
DATE REVISED June 1, 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

B) Whenever contract services have been performed, the customer will be billed for work performed by the Company at the prevailing rates for personnel and vehicles for both regular and overtime hours, as applicable, along with material costs or will be billed at a previously agreed upon fee or price.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

PURPOSE

To set forth a policy for providing or removing facilities for all full-service street lighting, decorative lighting, floodlighting and spotlighting.

This policy shall be administered in association with the applicable provisions of EVERSOURCE Rate 116.

SCOPE

This policy applies to all municipal or private retail customers of EVERSOURCE. Street lighting service for municipal-owned street lighting is covered under NB-208 and EVERSOURCE Rate 117.

POLICY

A) Eversource will work with streetlighting designs submitted by Municipalities and others.

B) Upon written request, EVERSOURCE will provide lighting service on public roads, highways, property owned by a municipality and in easement areas on private property where Company-owned facilities exist for distribution of electric service.

C) Under EVERSOURCE Rate 116, lamps, brackets, luminaires, and related equipment shall be furnished and maintained by the Company on poles provided by the Company or municipal-owned and installed poles that are approved by the Company.

D) If, at the request of the customer or as a result of nonpayment, street lighting equipment is removed or will no longer be billed to any customer prior to being installed for at least fourteen (14) years, a premature abandonment/early termination charge will apply. The customer, upon removal of the equipment or removal from the Company's billing records, will be billed an amount which approximates the unrecovered installation cost. Credit for salvage will be given. Exhibit A, attached, provides a schedule of these premature abandonment/early termination charges.

E) Requests for removal or temporary disconnection/reconnection of streetlights will be fulfilled only upon receipt of a written request from the customer and payment of the applicable charges.

F) Temporary disconnects will be permitted for periods not to exceed one year. The customer will be required to pay the Company's current cost to disconnect and the current cost to subsequently reconnect, prior to such actions being taken by the Company (see Exhibit B).

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

G) Standard street and security lighting service provides operating cycles from dusk-to-dawn. Customers have the option of selecting either dusk- to-dawn or dusk–to-midnight operation. The operating hours of each light is controlled by a photocell and the dusk-to-midnight option requires a programmable photocell. If a customer chooses dusk-to-midnight operation, a non-refundable charge equal to the incremental cost difference between a standard and programmable photocell will be collected prior to installation. In addition, if a customer selects the dusk-to-midnight option it must stay with this option for a minimum of one year. Full photocell replacement charges will be assessed in advance for conversion back to dusk-to-dawn service within one year.

For new installations and retrofit of existing lights during scheduled maintenance cycles (commonly referred to as group relamping) the charge will be the incremental cost of the photocell. If a customer requests a service change to an existing light outside of the maintenance schedule the charge will include the incremental cost of the programmable photocell and the installation costs. These charges are shown in Exhibit B.

Limitations

1. Company-owned poles normally will not be set on private property for lighting purposes only. Poles for street lighting only may be set on private property with easements~~/private property permits~~ or on municipal-owned property.

2. Lights will be installed only in locations that are accessible by Company maintenance vehicles.

3. The Company shall not install or replace a permanent outdoor luminaire for roadway lighting, if the cost of operating such luminaire is paid for by municipal funds, unless (1) the luminaire is designed to maximize energy conservation and to minimize light pollution, glare and light trespass, (2) the luminaire's illuminance is equal to the minimum illuminance adequate for the intended purpose of the lighting, and (3) for a luminaire with a rated output of more than 1800 lumens used on municipal roads, such luminaire is a full cutoff luminaire. All such installations or replacements shall comply with the provisions of CT Public Act 01-134, as applicable.

4. No floodlight intended for private property illumination shall be located within the state right-of-way on any state highway unless (1) the luminaire is designed to maximize energy efficiency and to minimize light pollution, glare and light trespass, (2) the maintained illuminance levels produced by the luminaire are equal to the minimum maintained levels recommended by the Illuminating Engineering Society of North America for the lighting application, (3) the luminaire is sufficiently shielded and aimed so that no direct light from the luminaire is visible at any point in the highway where the viewing height is four feet or greater and the distance from the mounting pole is seventy feet or greater, and (4) the luminaire is sufficiently shielded and aimed to prevent light trespass onto properties other than

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

the property intended for illumination and so that no direct light is visible at a viewing height of five feet or greater at any point along the adjacent property line.

5. Floodlighting and spotlighting luminaires will not be installed so as to create excessive glare or other safety hazards. No floodlight intended for private property illumination shall be located within the state right-of-way if the structure or object intended for illumination is across a public highway from the utility pole on which the floodlight would be mounted.

6. Street lighting service normally will be available only where the Company installs, owns, and maintains all facilities. However, where municipal-owned ornamental poles that are approved by the Company are available in a clearly defined geographic area as agreed to by the municipality and the Company, they may be utilized subject to the following conditions:

   a) The Company will continue to own, operate, and maintain the luminaire mounted on municipal-owned poles.

   b) The municipality will own, maintain, and replace the pole.

7. When an EVERSOURCE fixture is mounted on a municipal-owned pole, the fixture is billed on the appropriate schedule of EVERSOURCE Rate 116. The Company may assume ownership of municipal-owned poles at the request of the municipality. When the Company is obligated to replace the pole, the municipality will then be billed on the appropriate schedule within EVERSOURCE Rate 116 that includes an equivalent pole.

H) Luminaire Types and Lamp Ratings

1. All new installations will utilize ~~high-pressure sodium ("HPS"), metal halide ("MH"), or~~ light emitting diode ("LED") fixtures. It is also the Company's objective that existing incandescent and mercury vapor luminaires be replaced by ~~HPS, MH or~~ LED as soon as practical.

2. Lumen ratings listed in the Company rates are the nominal ratings produced by the combination of lamp and fixture. Actual output will vary depending on the age of the lamp, the specific design of the fixture, difference between manufacturers and changes in manufacturer ratings. Current ratings are shown in Exhibit C.

I) Receptacle

1. A receptacle will be installed in accordance with Company standards for ornamental lighting when requested by the municipality. Each receptacle will be protected by a time delay fuse and will be controlled by a street lighting photocell. The municipality must pay a non-refundable contribution prior to the Company beginning the installation. The contribution amount is listed in Exhibit B.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

2. Energy usage shall be billed under EVERSOURCE Rate 117. The monthly equivalent wattage for each receptacle shall be calculated by multiplying the wattage of the lights to be connected by the total number of burn hours (based on the monthly burn hours listed in Rate 116) then divide by 4,150 hours for dusk-to-dawn operations or 1,904 hours for dusk-to-midnight operation. This monthly equivalent wattage will be billed for each of the twelve months.

3. The municipality will pay the Company to replace fuses blown due to any type of negligent use of the receptacle. The fee to replace a blown fuse is listed in Exhibit B.

INSTALLATION PROCEDURE

A) Processing Requests

All requests for new installations, changes to an existing installation, or removal of an existing installation will be processed on the Company's standard request form which includes a signed agreement from the customer.

B) Work Scheduling

To provide for orderly work scheduling, the Company will undertake major installations or modernizations only on the condition that they will be conducted over a reasonable period of time as necessitated by local work loads. All work will be scheduled as promptly as possible.

C) Existing Distribution Lines

Where adequate distribution facilities already exist (all necessary poles, primaries, secondaries, and transformers), or will be installed for other purposes, as determined by the Company, there will be no charge to the customer other than the applicable rate.

D) Construction for Street Lighting Only

Where construction of any distribution facilities (all necessary poles, guys, primaries, secondaries, ducts, cable, and transformers) is required for street lighting purposes only, the customer will make a nonrefundable payment prior to the start of construction. Where it is necessary to acquire an interest in an existing pole or pole line in order to attach streetlights, the actual costs to purchase the interest will also be charged to the customer. Whenever possible, NB-2 will be used to derive the customer charges. When required construction includes items not listed in NB-2, the charges will be computed by alternate means.

DISCONNECT/REMOVAL PROCEDURE

A) Prior processing of a request for disconnection or removal of municipal street lighting, the Company may provide the responsible municipal official with a synopsis of the benefits of

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

good street lighting and the official should be encouraged to review the original need for the light in relation to the following considerations:

Accidents
Public security
Pedestrian safety
Vandalism
Crime
Municipal liability
Tax revenues
Resident opposition and unrest

B) Company representatives shall not be authorized to make recommendations for removal of specific quantities of lights and/or specific pole locations. Customers should only be advised of basic street lighting principles and practices.

C) All requests for disconnection or removal of municipal street lighting service must be made in writing by an authorized municipal official and must include acceptance of any associated charges.

D) It is the responsibility of the Company representative to establish a date of disconnect which should include at least one month's written notice and would normally coincide with the regular cycle billing date. The disconnect will be made on or as near as possible to the established disconnect date. Work management requirements must be considered when scheduling disconnects. Request for disconnect or removal of ~~of large numbers of~~ lights will~~may~~ require scheduling of disconnections. Billing charges will stop as of the "disconnect" date. The original installation date shall be preserved in the records until the light is actually removed.

E) The Field Engineering Design Supervisor is responsible for notifying the Billing and Accounting Department about all changes.

F) Field Engineering Design is responsible for calculating, quoting, and authorizing billing of the established charges for temporary disconnect/reconnect or premature abandonment/early contract termination of streetlights. Charges will be billed in accordance with EVERSOURCE Rate 116 and the latest schedule of charges listed in Exhibits A and B. Lights installed for over fourteen (14) years may be removed at no charge, but reinstallation after physical removal of the lights will incur liability for premature abandonment charges as a new light. Equipment requested to be removed is to remain in place for 30 days or longer, as directed, after the date of initial disconnect. This adjustment period will allow for reconnection without incurring any liability for premature abandonment charges regardless of whether the reconnection is for the same customer or a different one. If reconnected, the original installation date will continue on the records. A reconnection does not constitute an installation. Removal of street lighting equipment, after the adjustment period, will be at the convenience of the Company and as local workloads permit. The Field Engineering Design Supervisor will establish an order of priority for removal and arrange billing for any premature abandonment charges. The Field Engineering Design Supervisor will also arrange for removal work orders and billing

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET AND SECURITY LIGHTING	NUMBER NB-200
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

for premature abandonment charges or early termination charges in the event that the ownership of the street lighting equipment is to be transferred to a municipality.

G) After the 30-day adjustment period, there will be no charge for a new installation at the same location (or a reinstatement of a fixture that has not yet been removed). Tariff rates include installation charges. However, new installations will be made as work schedules permit and new installations at old locations will be treated as a new installation for purposes of computing any subsequent premature abandonment charges.

H) At the time of any disconnect (either temporary or as a prelude to removal), a yellow tape marker will be placed on the luminaire bracket approximately one foot from the pole end to identify the unit as a disconnected light.

I) A listing of the lights to be disconnected, including types, size, street location and pole number will be made available to the Customer Service Center at the time that the disconnect order is issued. Unnecessary service calls for "lights out" can be reduced by first checking against the list of disconnected lights. Questions concerning reconnection of lights and other matters of general public concern should be referred to the appropriate Account Executive.

J) The Account Executive should advise EVERSOURCE Communications of any substantial municipal disconnect/removal program.

Premature Abandonment

HIGH PRESSURE SODIUM STREETLIGHT (INCL. BRACKET)

	4,000 - 16,000 LUMEN	27,500 LUMEN	50,000 LUMEN	140,000 LUMEN
CURRENT INSTALLED COST	$493.70	$552.68	$655.49	$1,084.56
LESS COST OF LUMINAIRE	76.41	104.60	153.85	510.86
INSTALLED COST LESS CREDITS	$417.29	$448.08	$501.64	$573.70
AGE OF LIGHTS INSTALLED				
0	$417.29	$448.08	$501.64	$573.70
1	403.70	433.48	485.30	555.01
2	364.66	391.57	438.37	501.34
3	369.94	397.24	444.72	508.60
4	336.31	361.12	404.29	462.37
5	284.72	305.73	342.27	391.44
6	246.43	264.62	296.25	338.80
7	207.77	223.10	249.77	285.65
8	148.41	159.36	178.41	204.04
9	123.47	132.58	148.42	169.74
10	93.29	100.17	112.14	128.25
11	62.98	67.63	75.71	86.59
12	38.25	41.07	45.98	52.58
13	18.62	20.00	22.39	25.60
14	0.00	0.00	0.00	0.00

Premature Abandonment

METAL HALIDE STREETLIGHT (INCL. BRACKET)

	3,450 LUMEN	5,200 LUMEN	8,500 LUMEN	14,400 LUMEN	22,000 LUMEN	36,000 LUMEN	110,000 LUMEN
CURRENT INSTALLED COST	$541.40	$539.67	$568.49	$556.66	$510.47	$673.34	$1,119.91
LESS COST OF LUMINAIRE	93.10	97.80	123.00	100.00	60.00	160.00	544.73
INSTALLED COST LESS CREDITS	$448.30	$441.87	$445.49	$456.66	$450.47	$513.34	$575.18
AGE OF LIGHTS INSTALLED							
	$448.30	$441.87	$445.49	$456.66	$450.47	$513.34	
0	0	7	9	6	7	4	$575.18
1	433.70	427.48	430.98	441.78	435.80	496.62	556.44
2	391.76	386.14	389.30	399.07	393.66	448.60	502.64
3	397.43	391.73	394.94	404.84	399.36	455.09	509.92
4	361.30	356.12	359.04	368.04	363.05	413.72	463.56
5	305.88	301.49	303.96	311.58	307.36	350.26	392.45
6	264.75	260.95	263.09	269.68	266.03	303.16	339.68
7	223.21	220.01	221.81	227.37	224.29	255.60	286.39
8	159.44	157.15	158.44	162.41	160.21	182.57	204.56
9	132.64	130.74	131.81	135.11	133.28	151.88	170.18
10	100.22	98.78	99.59	102.09	100.70	114.76	128.58
11	67.66	66.69	67.24	68.92	67.99	77.48	86.81
12	41.09	40.50	40.83	41.85	41.29	47.05	52.72
13	20.01	19.72	19.88	20.38	20.10	22.91	25.67
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Premature Abandonment

LIGHT-EMITTING DIODE STREETLIGHT (INCL. BRACKET)

	4,000 - 9,500 LUMEN	16,000 LUMEN	27,500 LUMEN	50,000 LUMEN
CURRENT INSTALLED COST	$613.90	$574.79	$631.41	$692.69
LESS COST OF LUMINAIRE	119.91	85.71	135.22	183.24
INSTALLED COST LESS CREDITS	$493.99	$489.08	$496.19	$509.45
AGE OF LIGHTS INSTALLED				
0	$493.99	$489.08	$496.19	$509.45
1	477.90	473.15	480.03	492.85
2	431.69	427.40	433.61	445.20
3	437.94	433.58	439.89	451.64
4	398.13	394.17	399.90	410.58
5	337.05	333.70	338.55	347.60
6	291.73	288.83	293.03	300.86
7	245.96	243.52	247.06	253.66
8	175.69	173.94	176.47	181.19
9	146.16	144.71	146.81	150.73
10	110.43	109.33	110.92	113.89
11	74.56	73.82	74.89	76.89
12	45.28	44.83	45.48	46.69
13	22.05	21.83	22.15	22.74
14	0.00	0.00	0.00	0.00

Premature Abandonment

STANDARD DECORATIVE LIGHTING HPS AND MH

	5,800 - 16,000 LUMEN
INSTALLED COST	$726.23
LESS COST OF FIBERGLASS POLE	180.00
LESS COST OF LUMINAIRE	157.06
INSTALLED COST LESS CREDITS	$389.17

AGE OF LIGHTS INSTALLED	
0	$389.17
1	376.49
2	340.09
3	345.01
4	313.65
5	265.53
6	229.83
7	193.77
8	138.41
9	115.15
10	87.00
11	58.74
12	35.67
13	17.37
14	0.00

Premature Abandonment

FLOOD LIGHTING HPS AND MH

	27,500 - 50,000 LUMEN	140,000 LUMEN
INSTALLED COST	$370.94	$608.82
LESS COST OF FLOODLIGHT	158.38	318.68
INSTALLED COST LESS CREDITS	$212.56	$290.14

AGE OF LIGHTS INSTALLED		
0	$212.56	$290.14
1	205.64	280.69
2	185.75	253.55
3	188.44	257.22
4	171.31	233.83
5	145.03	197.96
6	125.53	171.34
7	105.84	144.46
8	75.60	103.19
9	62.89	85.85
10	47.52	64.86
11	32.08	43.79
12	19.48	26.59
13	9.49	12.95
14	0.00	0.00

Premature Abandonment

REPLACEMENT OF LUMINAIRE ONLY, SUBTRACT THE COST BELOW

	4 FT	6 FT	8 FT
CURRENT COST OF BRACKET	$52.75	$68.13	$102.20

AGE OF LIGHTS INSTALLED	BRACKET COST
0	$74.36
1	71.94
2	64.98
3	65.92
4	59.93
5	50.74
6	43.91
7	37.02
8	26.45
9	22.00
10	16.62
11	11.22
12	6.82
13	3.32
14	0.00

Premature Abandonment

UNDERGROUND SERVICE WITH A WOOD OR ALUMINUM POLE, ADD THE FOLLOWING COSTS

	30 FT	35 FT	40 FT	AVG.
CURRENT COST OF WOOD POLE	$882.99	$941.99	$1,134.29	$986.42
CURRENT COST OF ALUMINUM POLE	$2,258.01	N/Applic.	N/Applic.	$2,258.01

AGE OF LIGHTS INSTALLED	WOOD POLE	ALUMINUM POLE
0	$986.42	$2,258.01
1	954.29	2184.45
2	862.01	1973.23
3	874.50	2001.80
4	795.00	1819.81
5	673.04	1540.66
6	582.54	1333.48
7	491.15	1124.28
8	350.82	803.06
9	291.86	668.09
10	220.52	504.78
11	148.88	340.79
12	90.41	206.95
13	44.02	100.78
14	0.00	0.00

Premature Abandonment

PREMIUM DECORATIVE STREETLIGHT HPS AND MH						
Proposed						
		MH	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
		8,500	5,200 - 27,500	5,200 - 27,500	5,200 - 27,500	5,200 - 27,500
		LUMEN	LUMEN	LUMEN	LUMEN	LUMEN
CURRENT INSTALLED COST		$ 2,978.13	$ 2,293.89	$ 2,636.99	$ 3,151.64	$ 3,666.87
LESS COST OF LUMINAIRE		689.43	331.95	396.20	855.34	942.96
LESS COST OF POLE (INCL. BASE)		1,033.48	817.55	1,053.30	1,044.16	1,407.04
INSTALLED COST LESS CREDITS		$ 1,255.22	$ 1,144.39	$ 1,187.49	$ 1,252.14	$ 1,316.87
	AGE OF LIGHTS INSTALLED					
	0	$ 1,255.22	$ 1,144.39	$ 1,187.49	$ 1,252.14	$ 1,316.87
	1	1,214.33	1,107.11	1,148.81	1,211.35	1,273.97
	2	1,096.91	1,000.06	1,037.72	1,094.22	1,150.78
	3	1,112.79	1,014.54	1,052.75	1,110.06	1,167.44
	4	1,011.63	922.31	957.04	1,009.15	1,061.31
	5	856.45	780.82	810.23	854.35	898.51
	6	741.28	675.83	701.28	739.46	777.68
	7	624.98	569.80	591.26	623.45	655.68
	8	446.42	407.00	422.33	445.32	468.34
	9	371.39	338.60	351.35	370.48	389.63
	10	280.61	255.83	265.46	279.92	294.39
	11	189.45	172.72	179.22	188.98	198.75
	12	115.04	104.89	108.84	114.76	120.69
	13	56.02	51.07	53.00	55.88	58.77
	14	-	-	-	-	-

Premature Abandonment

	SHIELDS	
	SPOT LIGHT GLARE SHIELD	CUT OFF VANDAL SHIELD
CURRENT INSTALLED COST	$329.32	$467.71
LESS COST OF SHIELDS	204.00	325.00
INSTALLED COST LESS CREDITS	$125.32	$142.71

AGE OF LIGHTS INSTALLED		
0	$125.32	$142.71
1	121.24	138.06
2	109.51	124.71
3	111.10	126.52
4	101.00	115.02
5	85.51	97.37
6	74.01	84.28
7	62.40	71.06
8	44.57	50.75
9	37.08	42.22
10	28.02	31.90
11	18.91	21.54
12	11.49	13.08
13	5.59	6.37
14	0.00	0.00

Disconnect/Reconnect Costs	$149 per unit
Receptacle Installation Contribution	$230 per unit
Receptacle Fuse Replacement Fee	$122 per incident
Programmable Photocell Replacement	
• New Installation/Part of Group Relamping	$39.57 per luminaire
• * Replacement Outside of Group Relamping	$163.63 per luminaire

*Note: This charge includes a Conservation and Load Management incentive. If this incentive is reduced or eliminated in the future, the charge for photocell replacement outside of group relamping would increase accordingly.

NB-200
Exhibit C
Page 1 of 1

Fixture Type	Nominal Rating Lumens	Watts*	Total Watts**
High Pressure Sodium	4,000	50	59
	6,300	70	84
	9,500	100	118
	13,000	150	190
	16,000	150	172
	27,500	250	311
	50,000	400	472
	140,000	1,000	1,103
Mercury Vapor	4,000	100	118
	8,000	175	206
	12,500	250	287
	22,500	400	455
	40,000	700	781
	60,000	1,000	1,103
Incandescent	600	58	59
	1,000	103	104
	2,500	202	203
	4,000	327	328
	6,000	448	449
	10,000	690	691
Metal Halide	3,450	50	63
	5,200	70	89
	8,500	100	119
	14,400	175	207
	22,000	250	289
	36,000	400	451
	110,000	1,000	1,080
Light Emitting Diode	2,500	28	28
	4,100	44	44
	4,800	54	54
	8,500	102	102
	13,300	169	169
	24,500	275	275

*Lamp watts only.
**Total of lamp, ballast, and control watts.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

I. PURPOSE

To set forth a policy for providing electric supply for street and security lighting where the lighting equipment is owned (or leased) and maintained by a municipality and the Company is relieved of the expense and investment in equipment and facilities used exclusively by the municipality for street and security lighting with the exception of dedicated street lighting conductors.

II. SCOPE

This policy applies only to the street and security lighting owned (or leased from third parties) and maintained by the municipality within a specifically defined geographic area of that municipality and receive service under EVERSOURCE Rate 117.

III. POLICY

A. General Policy

1. Under EVERSOURCE Rate 117, it is the municipality's responsibility to provide, own and maintain the luminaire, lamp, photocell, bracket, fixture wire, conduit, hardware and ownership identification labels except for the fixture wire molding and connectors which will be supplied by the Company at the municipality's expense after the initial connection of a new street light or security light. The Company will make the initial connection to its distribution system at no charge to the municipality. Poles used exclusively for street lighting must be owned, installed, and maintained by the municipality. However, if the extension of the Company's distribution system necessitates the use of a dedicated, overhead-fed street light pole, the municipality shall sell the pole to the Company at its current book value.

2. Dedicated street lighting conductors will be owned and maintained by the Company at no charge to the municipality. Underground conduits containing dedicated street lighting conductors will be installed, owned and maintained by the municipality.

3. Municipal-owned street lighting service is available under EVERSOURCE Rate 117. The lighting qualifying for partial street lighting service shall consist of all street lighting equipment within a specifically defined geographic area of the municipality. For purposes hereof, such a specifically defined geographic installation area of a municipality's street lighting equipment shall consist of ~~not less than~~ all lighting equipment on ~~a~~ municipal public ways, including municipal owned parking lots. ~~way~~ lying between the intersections of that public way and two other public ways or one other public way and a dead end or the municipality's boundary.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

4. A municipality may purchase street lighting equipment over a period not to exceed five years. If the Municipality elects to phase-in the purchase of its street lights over multiple years, the Municipality must purchase all street lights billed to the municipality's accounts within five years from the date of the first purchase. All purchase phases shall consist of contiguous geographic sections, as described in paragraph 3.

5. Upon w~~W~~ritten request, the Company will provide the municipality with an estimated purchase price. This price will be held firm for a period not to exceed six months. Adjustments will be made, as necessary, for depreciation, installations, removals and changes that occur subsequent the calculation of the estimated purchase price.

B. Rates

1. The monthly charges for municipal-owned street lighting service shall be in accordance with EVERSOURCE Rate 117 in effect at the time of service.

2. As approved in EVERSOURCE Rate 117, a monthly charge has been assigned to the most common types and sizes of light sources. The total lamp and ballast wattage has been used to determine the charge. Twin lamps are billed at twice the listed charges. For light sources other than those listed, the appropriate charge will be determined by the applicable charge per watt shown in the Partial Street Lighting Rate 117 under "Other Wattage's."

C. Agreement

A signed agreement will be required between the Company and the municipality electing to take service under EVERSOURCE Rate 117. The agreement defines the specific responsibilities required by the rate and the inventory of the municipal-owned lights. A sample agreement is shown in Exhibit NB-208-A.

IV. CONDITIONS/REQUIREMENTS

A. Point of Service/Character of Service

The point of service shall be designated by the Company. The Character of Service shall normally be unmetered, 60 hertz, alternating current, 120 volts. If an extension of the Company's distribution facilities is required for municipal-owned street lighting service only, the municipality will pay for the total cost of installation. Whenever possible, NB-2 will be used to derive the customer charges. When required construction includes items not listed in NB-2, the charges will be computed by alternate means.

B. Equipment

The equipment to be installed and connected to the Company's facilities must be acceptable to the Company and other joint users or prior licensees.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

1. Only luminaires, mounting brackets and accessories which meet Company standards and applicable codes, or have received prior Company approval as equal or compatible with Company standards, will be acceptable for installation and connection to the Company's distribution system.

2. Municipal-owned equipment must include controls for daily dusk (one-half hour after sunset)-to-dawn (one-half hour before sunrise) operation, resulting in annual illumination of approximately 4,150 hours or for daily dusk (one-half hour after sunset)-to-midnight operation, resulting in annual illumination of approximately 2,210 hours. The municipality is required to use only programmable photocells that are approved by the Company if it selects dusk-to-midnight operation.

   The municipality is responsible for all repairs or replacements of inoperative fail-on type lighting controls within 30 days of failure. The Company reserves the right to conduct periodic inspection of municipal-owned equipment for fail-on operation of municipal lights. Repair or replacement of defective controls shall be made within 30 days of failure or within 10 days of written notification by the Company, or the equipment will be disconnected at the expense of the municipality.

3. Installations requiring operating conditions and times other than those shown in B.2, above, shall be served on a metered service or the Unmetered Electric Service Rate, if they qualify.

4. Municipal-owned equipment shall contain the lamp type and size as recorded with the Company and shall be subject to a periodic field audit to confirm same. If additional lamps have been installed, or larger size lamps are found in the equipment and previously unreported as a change, the Company will correct the ~~billing and~~billing and seek restitution under Section 16-259a of the Connecticut General Statutes.

C. Records

Record keeping, as well as the engineering design, layout, mapping and written notification to the Company of changes on the system, shall be the responsibility of the municipality. For all new installations, the initial requests for service must include a map or detailed drawing showing the location by pole number; type, number and size of the lamp(s) to be installed.

All subsequent changes to an existing municipal-owned system, other than replacements of like size and type, must be reported to the Company within 30 days of the time of change. All changes must be reported (Attn: Street Light Billing and Accounting Department) in a format as shown on Exhibit B of Exhibit NB-208-A.

On an annual basis, the Municipality shall certify to the Company in writing the inventory of the Municipal-owned lights. The inventory shall be identified in the format as shown on Exhibit A of the agreement for service under this rate.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

D. Installations and Removal

1. The Company will designate the character of service and point of connection.

2. If necessary, the Company will extend its distribution facilities to a designated point of service and bill the municipality the Company's installation cost for that extension. Whenever possible, NB-2 will be used to derive the municipal charges. When required construction includes items not listed in NB-2, the charges will be computed by alternate means.

3. The Company, upon request, will rearrange existing distribution facilities, as required, to install a new fixture or relocate an existing fixture on an existing pole, when it has been determined by the Company that such work is feasible and the municipality agrees to pay the cost incurred (based on the Company's estimated costs). This does not preclude charges by other users such as telephone and cable television. Where such rearrangement also requires pole replacement, the municipality shall pay the estimated total cost plus the un-depreciated cost of the removed facilities with consideration for salvage.

4. The municipality may request attachment of municipal-owned street lighting equipment to Company owned poles along streets and public ways be performed by the Company, such work will be performed by the Company at a charge to the municipality as shown in Exhibit NB-208-B under the following conditions:

   a) Attachment is deemed feasible by the Company;

   b) Consent of a joint-owner is either not required or can be obtained without cost to the Company;

   c) Attachment does not conflict with existing attachments or rights of any other licensee;

   d) Attachment does not require the consent of a private property owner (or consent is obtained).

   e) Attachment includes the mounting of the bracket on the pole (Company or joint-owned pole) and the connection of the fixture conductors to the Company's secondary conductors. The initial connection of a new street light to the Company's distribution system will be at no charge to the municipality.

5. The municipality may elect, at its sole cost, liability and expense, to have a qualified contractor or qualified municipal employees attach the municipality's street lighting equipment to Company owned poles provided the municipality:

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

a) Obtains consent from the Company that the attachment is feasible without modifications to the pole or the municipality pays for any necessary modifications.

b) Obtains the consent of all other joint-owners of the pole if required without cost to the Company.

c) Attachment does not conflict with existing attachments or rights of any other licensee.

d) Attachment does not require the consent of a private property owner (or consent is obtained).

e) Connection and disconnection to the Company's distribution system will be made by the Company following receipt of a written notice from the municipality that its street lighting equipment has been attached. This attachment includes the connection of the fixture conductors to the Company secondary conductors. The initial connection of a new street light to the Company's distribution system will be at no charge to the municipality. Under no circumstances shall a municipally owned street light be connected to or disconnected from the Company's distribution system by anyone other than authorized Company personnel.

6. Except as provided in paragraph 5, a municipality's work is limited specifically to maintenance work which includes such items as cleaning of fixture parts, relamping, replacing photo controls, replacing glassware and luminaire replacements or adjustments. All work shall be performed in accord with applicable safety codes. It will be the municipality's responsibility to ensure that no electrical potential exists between the fixture and ground.

7. All newly installed municipal-owned equipment must include an ownership identification marking or label, on the fixture, which is readily visible from the ground during daylight hours. All municipal-owned luminaires purchased from the Company shall be labeled by the municipality at the time of sale but in no case later than six (6) months from the time of sale. In addition, the equipment shall have lamp fixture identification in accordance with the latest "ANSI Standard for High Intensity Discharge Lamps and Luminaires" (ANSI Publication Cl36.15 - 1980 and subsequent revisions).

8. Luminaires to be installed on overhead distribution poles by the Company will be supplied to the Company by the municipality complete with bracket, lamp, photocell, labels, fixture wires and glassware. Fixture wire molding and connectors will be supplied by the Company at the municipality's expense, except in the case of the initial connection of a new street light or security light to the Company's distribution system which will be at no charge to the municipality. Company-owned equipment will not be loaned, sold, exchanged or used for repair of municipal-owned street lighting equipment.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

9. Luminaires on municipal-owned poles supplied from the Company's underground system, conduit system or direct burial distribution facilities will be connected to the Company's facilities at the base of the pole. The cost of extending facilities to that location will be borne by the municipality. The initial connection at the base of the pole of a new street light to the Company's distribution system will be at no charge to the municipality.

10. The Company shall have the right, but not the obligation, to inspect and discontinue service to any municipal-owned equipment which, in the opinion of the Company, has or will become unsafe for any cause beyond the Company's control or which has been connected to the Company's distribution system by unauthorized personnel. The municipality shall be promptly notified of this action.

11. When it is necessary to relocate, replace, or transfer municipal-owned equipment to substitute poles or to perform any other work in connection with said equipment that may be required by the Company or the joint-owners, such work will be performed by the Company or by the municipality's qualified contractor or qualified municipal employees at the municipality's expense.

    Normally, 30 days' notice of required work will be provided to the Company. In an emergency, the Company will remove, relocate or replace the municipality's equipment and the municipality shall be billed by the Company in accordance with the charges set forth in Exhibit NB-208-B.

12. Municipal requests for installation, removal, connections or disconnects by the Company will be scheduled during normal working hours and within the requirements of the work management system. Emergency and/or unusual conditions will merit special attention.

13. When the municipality requests the Company to fix a service to a municipal-owned street light and the problem is found to be with the municipal-owned street lighting equipment, the municipality will be billed the Company's actual cost for the service call.

E. Special Condition

With notification (30 days when possible), the Company shall remove municipal-owned equipment from Company-owned facilities which are no longer required for Company or municipal purposes, or the municipality may purchase such Company-owned facilities as the municipality requires. The cost of such purchase shall be un-depreciated value of the facilities.

BUSINESS PROCEDURE

EVERSOURCE	SUBJECT STREET LIGHTING: MUNICIPAL-OWNED EQUIPMENT	NUMBER NB-208
DATE REVISED June 2017	DATE EFFECTIVE May 1, 2018	ISSUED BY Director-Distribution Engineering

F. Maintenance of Dedicated Street Lighting Conductors and Conduits

Dedicated street lighting conductors will be owned and maintained by the Company. Underground conduits containing dedicated street lighting conductors will be installed, owned and maintained by the municipality.

G) Qualifications for Contractors and Municipal Employees

Any contractor or municipal employee utilized by the municipality to perform street light maintenance work on Company owned poles shall be properly trained, certified (i.e., licensed) and, in the case of a contractor, properly insured, prior to performing such work. Such work shall be performed in accordance with all applicable federal, state and local laws, regulations, safety codes and ordinances.

Prior to the commencement of any work on Company or jointly owned poles, the municipality shall provide written certification to EVERSOURCE in the form of Exhibit NB-208-C.

AGREEMENT FOR SERVICE UNDER
RATE 117 - PARTIAL STREET LIGHTING SERVICE

This is an agreement entered into as of the _____ day of _____, _____, by the ____ of _____ ("the Municipality"), and EVERSOURCE ("the Company") for the supply of service under the Company's Rate 117 - Partial Street Lighting Service, as such rate may be amended from time to time. The Municipality agrees to take and the Company agrees to provide Partial Street Lighting Service for the Municipal-owned street lighting equipment described and located ____(describe location/borders)___ and further detailed on Exhibit A attached hereto (as the same may be amended from time to time), under the following conditions:

1. Street lighting Equipment - For purposes of this agreement the term "street lighting equipment" shall mean the bracket, luminaire, lamp, photocell, fixture conductor, wire, hardware and controls for daily dusk-to-dawn or dusk-to-midnight operation for each lighting unit, all of which are owned by the Municipality. When the Municipality owns the mounting pole, it shall also be deemed to be street lighting equipment.

All street lighting equipment shall bear an ownership identification marking or label which is readily visible from the ground during daylight hours. All street lighting equipment purchased in place from the Company shall be so identified at the expense of the Municipality no later than six (6) months from the time of purchase. In addition, street lighting equipment shall have lamp fixture identification in accordance with the latest NEMA or ANSI Standard for High Intensity Discharge Lamps and Luminaires (ANSI Publication C 136.15 - 1980 and subsequent revisions).

Changes to the street lighting equipment shown on Exhibit A (as amended from time to time), other than replacement by like size and type, shall be reported to the Company within 30 days of the time of the change in the format as shown on Exhibit B. No street lighting equipment may be installed unless it includes controls for daily dusk (one-half hour after sunset)-to-dawn (one-half hour before sunrise) operation resulting in annual illumination of approximately 4,150 hours or for daily dusk (one-half hour after sunset)-to-midnight operation, resulting in annual illumination of approximately 2,210 hours.

Street lighting equipment may not be installed without a regulated or reactor ballast with a power factor of not less than 85%, or without attachments or connections made in accordance with the specifications of the National Electric Safety Code and Company specifications. Street lighting equipment shall at all times contain the lamp type and size as recorded with the Company and shall be subject to a periodic field audit by the Company to confirm same. If the Company finds lamps which are in addition to or larger than those reported by the Municipality, the Company will seek restitution under Section 16-259a of the Connecticut General Statutes.

2. Ownership of Street Lighting Equipment - The Municipality represents that it owns all the street lighting equipment described in Exhibit A. Dedicated street lighting conductors are owned and maintained by the Company.

If the Municipality elects to phase-in the purchase of its street lights over multiple years, the Municipality must purchase all street lights billed to the municipality's accounts within five years from the date of the first purchase.

3. Maintenance of Street Lighting Equipment - The Municipality shall maintain the street lighting equipment at its own expense. Maintenance shall not include connection or disconnection to the Company's distribution system, which shall be performed by Company personnel only. In performing such maintenance work the Municipality shall not permit its agents, employees or contractors to come into contact with the Company pole or any other Company property, that is, they shall not climb or

otherwise ascend Company poles but shall maintain the street lighting equipment on such poles by using an aerial device.

The Municipality shall insure that any maintenance work performed by or on behalf of the Municipality, or any failure to perform any such maintenance, will not cause an electrical potential to be created between the street lighting equipment and the ground.

The Municipality shall repair and replace inoperative fail-on type lighting controls within 30 days of failure or within 10 days of written notification by the Company, whichever is earlier. If the Municipality fails to do so; the Company may disconnect the affected street lighting equipment at the expense of the Municipality.

The Company shall have the right, but not the duty, to inspect and discontinue service to any Municipality-owned street lighting equipment which, in the opinion of the Company, has become unsafe for any reason, or which has been connected to the Company's distribution system by unauthorized personnel. The Company shall promptly notify the Municipality of this action.

The company-owned dedicated street lighting conductors will be maintained by the Company at no charge to the Municipality. Underground conduits containing dedicated street lighting conductors will be installed, owned and maintained by the municipality.

4. Connection and Disconnection of Street Lighting Equipment - Connection of street lighting equipment wire to, and disconnection from, the Company's distribution system will be performed by Company personnel only and upon written request of the Municipality at the expense of the Municipality. The Company will make the initial connection to its distribution system at no charge to the Municipality. Connections and disconnects will be scheduled during the Company's normal working hours and will require thirty days notice, unless emergency conditions require otherwise.

5. Installation, Removal, Replacement, Relocation and Transfer of Street Lighting Equipment
The services necessary to install, remove, replace, relocate or transfer street lighting equipment attached to Company poles may, at the municipality's option be performed by the Company or by the Municipality's qualified contractor or qualified municipal employees, at the expense of the Municipality This involves attachment or removal of the bracket to/from the Company pole. The Municipality will provide the Company with any replacement street lighting equipment. Installation, removal, replacement, relocation and transfer performed by the Company will be scheduled during the Company's normal working hours and will require thirty (30) days notice, unless emergency conditions require otherwise. Company charges are contained in NB-208 as may be amended from time to time.

If the Municipality elects to use a qualified contractor or municipal employees to perform the removal, replacement, relocation, installation or transfer of the street light mounting bracket on Company owned poles, the Municipality will certify to the Company in writing that its contractors or municipal employees meet the qualifications as stated in NB-208, Conditions/Requirements, Section G. Such certification shall be provided in the form of Exhibit NB-208-C.

When the Municipality elects to have its qualified contractor or municipal employee attach or disconnect its street lighting equipment to a Company owned pole, it will first:

a) Obtain consent from the Company that the attachment is feasible without modifications to the pole or the municipality pays for any necessary modifications.

b) Obtain the consent of all other joint-owners of the pole if required without cost to the Company.

c) Verify that the attachment does not conflict with existing attachments or rights of any other licensee.

d) Verify that the attachment does not require the consent of a private property owner (or consent is obtained).

e) Verify that the connection and disconnection to the Company's distribution system will be made by the Company following receipt of a written notice from the municipality that it's street lighting equipment has been attached. This attachment includes the connection of the fixture conductors to the Company secondary conductors. The initial connection of a new street light to the Company's distribution system will be at no charge to the municipality. Under no circumstances shall a municipally owned street light be connected to or disconnected from the Company's distribution system by anyone other than authorized Company personnel.

When the Company determines it is necessary to relocate or transfer street lighting equipment to a substitute pole for any reason, such work will be performed by the Company or by the Municipality's qualified contractor or qualified municipal employees, at the expense of the Municipality. Examples of work requiring such a relocation or transfer includes, but are not limited to, such work required because of damage to the pole or support bracket from a storm or vehicle, and transfers necessitated by the relocation or removal of the supporting pole. Except in the case of emergency, the Company will attempt to give 30 days' notice to the Municipality of any proposed relocation or transfer of street lighting equipment.

If a third party is or may be liable for payment of some or all of the expense of removal, replacement, relocation and transfer of street lighting equipment, the Company will attempt to recover such expense from such third party, but such action shall not excuse the Municipality from payment of such expense subject to reimbursement of any portion of such expense recovered by the Company.

6. Billing - All work performed by the Company at the expense of the Municipality shall be billed to the Municipality monthly, with reasonable itemization, at the Company's then current rates for such work. All such bills shall be payable when rendered; bills paid more than 60 days after billing shall bear interest at the rate of 1 percent per month from the date of billing.

7. Rates - All charges shall be in accordance with Rate 117 - Partial Street Lighting Service in effect at the time of service. For light sources other than those listed in Rate 117, the appropriate charge will be determined by the total lamp and ballast wattage multiplied by the applicable charge per watt shown in Rate 117 under "Other Wattages." No credit shall be allowed for inoperative fixtures.

8. Indemnification - The Municipality shall indemnify and hold harmless the Company and all other owners of poles to which street lighting equipment is or may be attached from and against all claims, costs, liabilities, losses, judgments and expenses, including reasonable attorneys' fees, that may arise to, or be suffered by, any of them as a result of the Municipality's ownership or control of the street lighting equipment or occasioned wholly or in part by any act or omission of the Municipality, its agents, employees or contractors in performance of maintenance, installation removal, replacement relocation transfer or other activities involving such street lighting equipment, or the Company's distribution system.

9. Amendment of Exhibit A - The addition of street lighting equipment to that listed in Exhibit A shall be subject to mutual agreement between the Company and the Municipality and shall be subject to the Company rules and regulations with respect to acceptable fixtures and installation practices. Removals or abandonments of street lighting equipment listed in Exhibit A shall be at the option of the Municipality, provided that no such equipment shall be removed or abandoned if it would result in a violation of the conditions of Rate 117. Street lighting equipment deleted from Exhibit A shall be removed from Company owned poles by the Company or by the Municipality's qualified contractor or qualified municipal employees at the Municipality's expense.

Each amendment to Exhibit A shall be evidenced in writing, which shall be in the format as shown on Exhibit B, executed by the Municipality and the Company, and shall define the effective date.

On an annual basis, the Municipality shall certify to the Company in writing the inventory of the Municipal-owned lights. The inventory shall be identified in the format as shown on Exhibit A of the agreement for service under this rate.

10. Pole Space Charges - As of the date of this agreement no pole rental fee for street lighting attachments has been approved by the PURA. Nothing herein contained shall preclude the owner(s) of any pole to which any street lighting equipment may be affixed under the terms of this agreement from hereafter charging such annual pole rental or use fee as may be approved by the Public Utility Regulatory Authority of the State of Connecticut after a hearing held pursuant to Section 16-19(s) of the Connecticut General Statutes.

_____ By _____
Date Duly Authorized

Eversource Energy

_____ By _____
Date Duly Authorized

Town of _____

AGREEMENT FOR SERVICE UNDER EVERSOURCE RATE 117
PARTIAL STREET LIGHTING SERVICE

EXHIBIT A

Street	Pole #	Type	Number of Lamps	Lumens	Total Wattage	Date Installed

Note:

1. Type is: M - Mercury
S - High Pressure Sodium
H - Metal Halide
O ~~–~~ – Ornamental
L – Light Emitting Dieode (LED)

2. Total wattage includes the wattage for the lamp and ballast.

3. For municipal owned lighting equipment connected to the Company's street lighting equipment through a Company owned and maintained receptacle, the total wattage shall be the monthly equivalent wattage calculated for that receptacle.

AMENDMENT TO AGREEMENT FOR SERVICE UNDER EVERSOURCE RATE 117
PARTIAL STREET LIGHTING SERVICE
EXHIBIT B

Name _____ Date _____
Eversource Energy
Address _____
City, State, Zip _____

Dear Mr. or Ms. _____:

Please arrange to make the following changes or additions to billing for the municipal-owned street lighting equipment in the ___(City/Town/Borough/District/etc.)___ of _____:

INSTALLATION:

Street	Pole #	Type	Number of Lamps	Lumens	Total Wattage	Date Installed

REMOVAL:

Street	Pole #	Type	Number of Lamps	Lumens	Total Wattage	Date Removed

Signed: _____

Date: _____

Municipal Unit (town, fire district, etc.): _____

_____

The municipality will be billed the Company's actual costs for all work for emergency conditions that require the Company to verify the safety of EVERSOURCE's facilities or to make EVERSOURCE's facilities safe.

Number of Units in Work Group*	1	Additional Units	Not to Exceed
1. Connect (OH)	$227	$131	16 Units
2. Disconnect (OH)	$227	$131	16 Units
3. Replace Luminaire	$369	$273	8 Units
4. **Install Bracket & Luminaire**	$334	$238	8 Units
5. Remove Bracket & Luminaire Disconnect	$270	$175	12 Units
6a. **Transfer Bracket & Luminaire**	$399	$303	7 Units
6b. **Transfer Bracket & Luminaire (1/2 Setup)****	$350	$254	8 Units
7. Connect Post Top or Ornamental Pole Luminaire	$227	$131	16 Units
8. Disconnect Post Top or Ornamental Pole Luminaire	$227	$131	16 Units

* Initial Travel Time of 0.67 /man-hours (20 Minutes) based on average travel time from EVERSOURCE districts to the center of the towns they serve.
** Based on travel time of 0.10, time to travel 1/2 mile between job sites (20 MPH)

MUNICIPAL CERTIFICATION OF CONTRACTOR AND EMPLOYEE QUALIFICATIONS

Municipality _____

a. Name of Municipal Official Providing Certification: _____

Contractor/Municipal Employee Information

a. (*Contractor) Name:*_____

b. *Home Office/Headquarters:*

Address: _____

_____

Phone Number:( ) _____

Fax Number: ( ) _____

Certification

The Municipality hereby certifies that the Contractor/Employee referenced above is properly trained, certified and licensed, and in the case of a contractor, insured, to perform installation, removal, replacement, relocation, transfer and maintenance work on street lighting equipment in close proximity to high voltage electrical conductors (the "Work"), and that such Contractor/Employee is authorized by the Municipality to perform such Work on its behalf. The Contractor/Employee is required to perform the Work on behalf of the Municipality in accordance with all applicable federal, state and local laws, regulations, safety codes and ordinances.

The Municipality further certifies that all individuals performing Work on its behalf on street lighting equipment have received full and adequate safety training. The Municipality acknowledges that the Company shall rely on this certification as proof of the qualifications of such Contractor/Employee. The Municipality shall indemnify and hold harmless the Company and all other owners of poles to which street lighting equipment is or may be attached from and against all claims, costs, liabilities, losses, judgments and expenses, including reasonable attorneys' fees, that may arise to, or be suffered by, any of them as a result of the Municipality's ownership or control of the street lighting equipment or occasioned wholly or in part by any act or omission of the Municipality, its agents, employees or contractors, in the performance of Work or any other activities of such persons involving such street lighting equipment or the Company's distribution facilities.

Dated as of this __ day of _____, 20__.

_____

(Official Municipal Authorization)