



NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 58  
Superseding Original Page 58  
Line Extensions – Policy 1:  
Individual Residential Customers

Company, to construct such overhead power line extension on private property. The contractor shall supply and install all materials as specified by the Company.

Overhead line extensions must be designed by the Company and built to its specifications in order for the Company to assume ownership of the line.

The Company has the right to refuse to accept a line extension that does not conform to the Company's specifications. Customers may not contract with private line contractors to construct line extensions along public ways.

The Company shall be responsible for:

- a) installing, owning and maintaining all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion, are required to provide adequate service;
- b) designating the location of all Company owned equipment, the service entrance and meter location(s) at the house and,
- c) blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such estimated cost is in excess of 50% of the average cost per foot.

The Customer, at no cost to the Company, shall be responsible for blasting and tree trimming and removal on private property in accordance with the Company's specifications and subject to the Company's inspection.

### 3. Underground Line Extension

The Company will provide a single phase service to a residential customer from the Company's distribution system. ~~connect the Customer's underground primary distribution line extension to the Company's distribution system.~~ The Company shall be responsible for:

- a) Developing the plan to provide underground electric service (if feasible);
- b) Designating the location of all Company owned equipment, the service entrance, and meter location;
- c) Designating riser pole location or underground switching cubicle for primary and/or secondary service;
- d) Designating pad mount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation boxpad;
- e) Providing the Company owned transformer foundation boxpad and grounding for single phase pad mount transformer, along with pull box (if required).

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. FleckJames M-

Sweeney

Susan L. FleckJames M-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. \_\_\_\_\_26,005 in Docket No. DE \_\_\_\_\_16-383, dated \_\_\_\_\_ April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised~~Original~~ Page 58  
Superseding Original Page 58  
Line Extensions – Policy 1:  
Individual Residential Customers

f) Inspecting transformer foundation boxpad installation (including ground grid), other designated Company owned equipment installations, conduit system, and trenching to provided Company specifications;

Issued: XX XX, 20XX~~April 27, 2017~~  
Sweeney

Issued by: \_\_\_\_\_/s/ Susan L. Fleck~~James M.-~~

Sweeney

Susan L. Fleck~~James M.-~~

Effective: XX XX, 20XX~~May 1, 2017~~

Title: President

Authorized by NHPUC Order No. \_\_\_\_\_26,005 in Docket No. DE \_\_\_\_\_16-383, dated \_\_\_\_\_April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

~~Original~~ Page 59  
First Revised  
Superseding Original Page 59  
Line Extensions – Policy 1:  
Individual Residential Customers

- ~~a) designating the riser pole location;~~
- ~~b) designating the location of all Company owned equipment, the service entrance and meter location(s);~~
- ~~c) providing the company owned boxpad foundation;~~
- ~~d) providing, installing, owning and maintaining the transformer and meter and;~~
- ~~e) making all connections to Company equipment.~~

The Customer, at no cost to the Company, shall be responsible for providing the following prior to the start of the Company's construction:

- ~~a) Contacting Liberty Utilities~~the Company to apply for a new electric service and obtain a work request number. ~~This should be one of the first actions in the process~~ sufficiently in advance of the commencement of construction to provide for applicable planning, material order, and construction schedule;
- ~~b) Obtaining any required municipal electrical permits and arranging electrical inspection;~~
- ~~c) Providing, prior to the start of the Company's construction, all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;~~
- ~~d) Installing all required foundations, handholes, pullboxes, grounding systems, and conduit including spacers, glue and pulling rope, etc., according to the Company's plan and Specifications;~~
- ~~e) Installing a primary riser (conduit system), 8 feet above ground shall be galvanized steel, including 90 degree steel sweep flush mount to pole designated by the Company, and bonding clamp with copper wire tap for grounding. The Company will install ground rod and complete bonding requirements;~~
- ~~f) Providing and installing Company approved Self-contained Meter Socket at location Pre-Approved By the Company. Refer to Liberty Utilities ESB # 750 Specifications for Electrical Installations, latest version, Section 7.0 Metering, for Self-contained Meter Socket requirements;~~
- ~~g) provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;~~
- ~~h) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specifications for Electrical Installations booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and~~
- ~~i) Obtaining any required environmental permits prior to the start of construction.~~
- ~~a) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property; installing a steel riser at the Company's designated pole, including a 90 degree sweep and bonding clamp with a copper wire tap;~~

Issued: XX XX, 20XXApril 27, 2017  
Sweeney

Issued by: \_\_\_\_\_/s/ Susan L. Fleck~~James M.~~

Susan L. Fleck~~James M.~~

Sweeney

Effective: XX XX, 20XXMay 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 59  
Superseding Original Page 59  
Line Extensions – Policy 1:  
Individual Residential Customers

- ~~b) providing, installing, owning and maintaining all required foundations (except for Company boxpad foundations), handholes, manholes, grounding systems, primary and secondary cable, and conduit including, but not limited to, spacers, glue and pulling strings;~~
- ~~c) installing boxpad foundations, provided by the Company, as indicated on the Company's plan and related construction documents, and,~~
- ~~d) installing, owning, and maintaining all service conduit and service cable from the Company's equipment to the designated meter location(s).~~

~~v. Customer Responsibilities~~

~~1. Easements~~

~~The Company will require the Customer to provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company.~~

~~vi. Code Compliance~~

~~All construction must be in accordance with the Company's Construction Standards and the Specifications for Electrical Installations booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction.~~

~~vii. Environmental Permits~~

Issued: XX XX, 20XX ~~April 27, 2017~~  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck ~~James M.~~

Sweeney

Susan L. Fleck ~~James M.~~

Effective: XX XX, 20XX ~~May 1, 2017~~

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 59  
Superseding Original Page 59  
Line Extensions – Policy 1:  
Individual Residential Customers

~~The Customer shall be responsible for obtaining any required environmental permits prior to the start of construction.~~

viii.v. Payment Required

1. Overhead Line Extension

The “Overhead Cost per Foot” will be a predetermined cost per foot calculated by the Company. This cost is located in the Schedule of Fees for Line Extensions in the Company’s Terms and Conditions.

The Company will provide a predetermined length of overhead distribution line, plus a service drop per house, free of charge (“Allowed Overhead Line Distance per House”). The service drop is considered to be from the last pole to the house.

Issued: XX XX, 20XX Issued by: /s/ Susan L. Fleck  
Susan L. Fleck  
Effective: XX XX, 20XX Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_

The “Allowed Overhead Line Distance per House” will be a predetermined distance per home as stated in the Schedule of Fees for Line Extensions in the Company’s Terms and Conditions.

If the total line distance required to serve the house is in excess of the “Allowed Overhead Line Distance per House,” there will be a charge to the Customer (“Overhead Installation Charge”).\

The “Overhead Installation Charge” payable by the Customer will be equal to the “Overhead Cost per Foot” times the number of feet in excess of the “Allowed Overhead Line Distance per House.”

### 2. Underground Line Extension

The Customer shall pay the estimated cost of the line extension which shall be derived by multiplying the length of the distribution facilities by the average cost per foot of underground distribution facilities greater than 300 feet, based on the schedule of charges on page 78 Section i.1. and adding the result to the excess cost of any padmounted transformers to be installed. The excess cost of a padmounted transformer is the amount by which the cost of a padmounted transformer exceeds the cost of an equivalent pole-mounted transformer.

The length of the distribution facilities shall be based on the length of primary and secondary line to be installed, excluding the length of secondary line to be installed for each Underground Service Drop.

~~The Company will estimate its cost of providing the necessary equipment to connect the Customer’s line extension to the Company’s distribution system. The Customer will be required to pay an “Underground Installation Charge” equal to such estimated cost minus an amount equal to the cost of the “Allowed Overhead Line Distance per House”~~

If an overhead line extension is built in combination with an underground line extension, the credit for the “Allowed Overhead Line Distance” will only be applied once.

~~If the estimated cost is less than zero, there shall be no “Underground Installation Charge.”~~

### 3. Payment Terms

If the “Overhead/Underground Installation Charge” is less than \$3,000, the Customer will be required to pay the entire amount before the start of the construction.

Issued: XX XX, 20XX Issued by: /s/ Susan L. Fleck  
Susan L. Fleck  
Effective: XX XX, 20XX Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

Original Page 59A  
Line Extensions – Policy 1:  
Individual Residential Customers

If the “Overhead/Underground Installation Charge” is \$3,000 or greater, the Customer will have the option to either pay the entire amount before the start of the construction, or sign an agreement to pay the amount in 60 equal monthly payments, plus interest at the rate of interest applicable to the Company’s Customer deposit accounts at the time of execution of the payment agreement.

The Company reserves the right to place a lien on the property until such time that the obligation is fulfilled.

Issued: XX XX, 20XX Issued by: /s/ Susan L. Fleck  
Susan L. Fleck  
Effective: XX XX, 20XX Title: President

Authorized by NHPUC Order No. in Docket No. DE , dated April



NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 61  
Superseding Original Page 61  
Line Extensions – Policy 1:  
Individual Residential Customers

ix.vi. Line Extension Agreement

The Company may require the Customer to sign an agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation to the Customer’s home, provided that such terms are not inconsistent with the terms expressed in this policy.

The Company, at its sole discretion, may refuse the request for a line extension if appropriate permits and easements cannot be obtained or if applicable codes and standards cannot be met.

The Company will begin construction when the service agreement and easement (if required) are signed and the payment is received.

The Company may, at its option, decline to undertake construction during the period of December 1 to April 1 of each year.

vii. Failure of Underground Facilities Which are the Subject of Customer Ownership

Customers with Individual residential line extensions built installed prior to March 1, 2018 are owned by the Customer and thus the Customer is responsible for replacement of facilities owned by the customer, if failure occurs. At the request of the Customer, the Company will replace the underground line extension at the Customer’s cost calculated in viii.2. above. The Customer is responsible for all requirements under iv-.3. prior to installation of the replacement line extension including removal of all required foundations (except for Company boxpad foundations), handholes, manholes, grounding systems, primary and secondary cable, and conduit including, but not limited to, spacers, glue and pulling strings. The Customer is responsible for the removal of the Customer Owned failed system.

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. FleckJames M-

Sweeney

Susan L. FleckJames M-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017





- a) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;
- b) providing and installing all required foundations (except for Company owned street light foundations), handholes, manholes, grounding systems, and conduit including spacers, glue and pulling strings, etc. as indicated on the Company's plan and related construction documents;
- c) installing foundations, provided by the Company, for Company owned street lights; supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above;
- d) equipment that is not approved shall not be used without the prior written consent of the Company; installing, owning, and maintaining all secondary services and service conduit from the Company's equipment to each designated meter location;
- e) turning over ownership of the conduit system, excluding the service conduit, to the Company upon inspection and acceptance of the conduit system by the Company;
- f) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
- g) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
- e)h) Obtaining any required environmental permits prior to the start of construction.

The Company may, at its discretion, construct the distribution line in segments, rather than all at once in the proposed development. The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

#### v. Customer Responsibilities

##### 1. Easements

~~The Company will require the Customer to provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company.~~

##### 2. Code Compliance

~~All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time~~

Issued: XX XX, 20April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_/s/ Susan L. FleckJames M.-

Sweeney

Susan L. FleckJames M.-

Effective: XX XX, 20XXMay 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 64  
Superseding Original Page 64  
Line Extensions – Policy 2:  
Residential Developments

~~and shall comply with codes and requirements of legally constituted authorities having jurisdiction.~~

~~3. Environmental Permits~~

~~The Customer shall be responsible for obtaining any required environmental permits prior to the start of construction.~~

Issued: XX XX, 20April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. FleckJames M.-

Sweeney

Susan L. FleckJames M.-

Effective: XX XX, 20XXMay 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

4. Plans and Other Documents

The total number of house lots proposed to be constructed will be provided in advance to the Company by the Customer, along with a complete copy of the subdivision plans approved by the planning board in the municipality, if such is required by the municipality. The Company need not begin design work prior to receipt of the approved plans.

The Company may require the Customer to provide, in advance and at no cost to the Company:

- a) a copy of the approval of the planning board for the subdivision;
- b) a copy of all permits and approvals that have been obtained for constructing the development;
- c) easements, drafted by the Company, for all facilities required to serve the development;
- d) the name and address of the financial institution providing financing for the development, including a contact person and phone number; a copy of a street light proposal for the development, approved by the municipality, or written notice from the municipality that street lighting will not be required;
- e) if installation is requested after construction is complete, additional costs, may be borne by the municipality and/or Customer if the tariff does not collect all costs of construction;
- f) a schedule of Customer’s best estimate for the construction of homes in the development; and such other reasonable information that may be requested to confirm the viability of the development.

vi.v. Payment Required

1. Overhead Installation Charge

Centerline Feet Calculation: The centerline feet calculation will be defined as the total length of all roadways within the subdivision.

The “Overhead Cost -per Centerline Foot” will be a predetermined cost per centerline foot calculated by the Company. This cost is located in Schedule of Fees for Line Extensions in the Company’s Terms and Conditions.

The “Overhead Cost per Centerline Foot” assumes that service points are in close proximity to roadways. The Company reserves the right to require the Customer to pay any excess costs to reach the service point when more than one span of wire is required to reach the service point from the roadway.

Issued: XX XX, 20XXApril 27, 2017  
Sweeney

Issued by: \_\_\_\_\_/s/ Susan L. FleckJames M.

James M. SweeneySusan L.

Fleck

Effective: XX XX, 20XXMay 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 65  
Superseding Original Page 65  
Line Extensions – Policy 2:  
Residential Developments

The Company will provide a predetermined length of centerline feet per house lot free of charge (“Allowed Overhead Distance per House”)

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.

-James M. Sweeney Susan L.

Fleck

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

The “Total Allowed Overhead Distance” for the development is equal to the number of house lots times the “Allowed Overhead Distance per House.” The predetermined “Allowed Overhead Distance per House” can be located in Schedule of Fees for Line Extensions in the Company’s Terms and Conditions.

If the total centerline feet within the development are greater than the “Total Allowed Overhead Distance,” then there will be a charge to the Customer (“Overhead Installation Charge”).

The “Overhead Installation Charge” will be equal to the “Overhead Cost Per Centerline Foot” times the number of centerline feet in excess of the “Total Allowed Overhead Distance,” and shall be paid by the Customer in advance of the Company’s construction and is non-refundable if the line is built.

### 2. Underground Installation Charge

The “Underground Cost per Centerline Foot” will be a predetermined cost per centerline foot calculated by the Company. This cost is located in the Schedule of Fees for Line Extensions in the Company’s Terms and Conditions.

The “Underground Cost per Centerline Foot” is calculated assuming all Company facilities terminate within 2 feet of the roadway. The Company will provide a predetermined length of centerline feet per house lot free of charge (“Allowed Underground Distance per House”).

The “Total Allowed Underground Distance” for the development is equal to the number of house lots times the “Allowed Underground Distance per House.” The predetermined “Allowed Underground Distance per House” can be located ~~in Appendix A of the Company’s Terms and Conditions~~ on page 78 of this tariff.

If the total centerline feet within the development are greater than the “Total Allowed Underground Distance”, then there will be a charge to the Customer (“Underground Installation Charge”).

The “Underground Installation Charge” will be equal to the “Underground Cost Per Centerline Foot” times the number of centerline feet in excess of the “Total Allowed Underground Distance.” The “Underground Installation Charge” shall be paid by the Customer in advance of the Company’s construction and is non-refundable if the line is built.

### 3. Additional Advance Payments

Issued: XX XX, 20XX April 27, 2017 Issued by: \_\_\_\_\_ /s/ Susan L. FleckJames M.-  
Sweeney \_\_\_\_\_ Susan L. FleckJames M.-  
Sweeney  
Effective: XX XX, 20XX May 1, 2017 Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ -26,005 in Docket No. DE \_\_\_\_\_ 16-383, dated \_\_\_\_\_ April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 66  
Superseding Original Page 66  
Line Extensions – Policy 2:  
Residential Developments

If there is a cost to get to the limits of the development, the Company may charge the Customer this additional cost.

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.-

Sweeney

Susan L. Fleck James M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ -26,005 in Docket No. DE \_\_\_\_\_ 16-383, dated \_\_\_\_\_ April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 67  
Superseding Original Page 67  
Line Extensions – Policy 2:  
Residential Developments

vii.vi. Line Extension Agreement

The Company may require the Customer to sign an agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation to the Customer's home, provided that such terms are not inconsistent with the terms expressed in this policy.

The Company, at its sole discretion, may refuse the request for a line extension if appropriate permits and easements cannot be obtained or if applicable codes and standards cannot be met. The Company will begin construction when the service agreement and easement (if required) are signed and the payment is received.

The Company may, at its option, decline to undertake construction during the period of December 1 to April 1 of each year.

Issued: XX XX, 20XX April 27, 2017  
L. Fleck

Issued by: \_\_\_\_\_ /s/ James M. Sweeney Susan

-James M. Sweeney Susan L.

Fleck

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017



2. Overhead Line Extension

When overhead service is requested, the Company shall be responsible for:

- a) installing, owning and maintaining all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion, are required to provide adequate service;
- b) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s) and.
- c) blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company’s opinion, such cost is excessive. The cost of the blasting and tree trimming is included in (C) of the formula which is found in section 59.vi.1.

The Customer, at no cost to the Company, shall be responsible for blasting and tree trimming and removal on private property, including roadways not accepted as public ways by the municipality, in accordance with the Company’s specifications and subject to the Company’s inspection.

3. Underground Line Extension

The Company will connect the Customer’s underground primary distribution line extension to the Company’s distribution system under the conditions shown below.

The Company shall be responsible for:

- a) Developing the plan to provide underground electric service (if feasible);
- b) Designating the location of all Company owned equipment, the service entrance, and meter location;
- c) Designating riser pole location or underground switching cubicle for primary and/or secondary service;
- d) Designating pad mount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation boxpad;
- e) Inspecting transformer foundation boxpad installation (including ground grid), other designated Company owned equipment installations, conduit system, and trenching to provided Company specifications;
- f) Installing, owning and maintaining: Pad Mount Transformer, primary cable and cable terminations, secondary cable, and meter (up to and including 400 Amp service).

The Customer, at no cost to the Company, shall be responsible ~~for providing the following~~ prior to the start of the Company’s construction:

Issued: <u>XX XX, 20XX</u> <u>April 27, 2017</u> <u>Sweeney</u>	Issued by: _____/s/ <u>Susan L. Fleck</u> <del>James M. Sweeney</del>
	<u>Susan L. Fleck</u> <del>James M. Sweeney</del>
Effective: <u>XX XX, 20XX</u> <u>May 1, 2017</u>	Title: <u>President</u>

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 69  
Superseding Original Page 69  
Line Extensions – Policy 3:  
Individual C&I Customers

- a) Contacting Liberty Utilities the Company to apply for a new electric service and obtain a work request number; - This should be one of the first actions in the

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.-

Sweeney

Susan L. Fleck James M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

- Process sufficiently in advance of the commencement of construction to provide for applicable planning, material order, and construction schedule;
- b) Obtaining any required municipal electrical permits and arranging electrical inspection;
  - b)c) Providing, prior to the start of the Company's construction, a signed easement, drafted by the Company, for Company owned equipment on private property;
  - d) Installing all required foundations, handholes, pullboxes, grounding systems, and conduit including spacers, glue and pulling rope, etc., according to the Company's plan and Specifications;
  - e) Installing a primary riser (conduit system), 8 feet above ground shall be galvanized steel, including 90 degree steel sweep flush mount to pole designated by the Company, and bonding clamp with copper wire tap for grounding. The Company will install ground rod and complete bonding requirements;
  - f) Providing and installing Company approved Self-contained Meter Socket at location Pre-Approved By the Company. Refer to Liberty Utilities ESB # 750 Specifications for Electrical Installations, latest version, Section 7.0 Metering, for Self-contained Meter Socket requirements;
  - g) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
  - h) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
  - i) Obtaining any required environmental permits prior to the start of construction.
- ~~e) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;~~
- ~~d) providing, installing, owning and maintaining all required foundations, handholes, manholes, grounding systems, primary and secondary cable, and conduit including spacers, glue and pulling strings, etc.;~~
- ~~e) and retaining ownership of transformer foundations, grounding systems, all primary and secondary cables and all conduit on private property.~~

The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

#### ~~v. Customer Responsibilities~~

##### ~~1. Easements~~

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck ~~James M.~~

Sweeney

Susan L. Fleck ~~James M.~~

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised~~Original~~ Page 70  
Superseding Original Page 70  
Line Extensions – Policy 3:  
Individual C&I Customers

~~The Company will require the Customer to provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company.~~

~~2. Code Compliance~~

~~All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction.~~

~~3. Environmental Permits~~

Issued: XX XX, 20XX~~April 27, 2017~~  
Sweeney

Issued by: \_\_\_\_\_/s/ Susan L. Fleck~~James M.~~

Sweeney

Susan L. Fleck~~James M.~~

Effective: XX XX, 20XX~~May 1, 2017~~

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

~~The Customer shall be responsible for obtaining any required environmental permits prior to the start of construction.~~

#### 4. Plans and Documentation

The Company may require the Customer to provide, in advance of engineering design and at no cost to the Company:

- a) a complete copy of construction plans including the site plans approved by the planning board in the municipality, if such is required by the municipality;
- b) the estimated new or additional electrical loads, as far as is known by the Customer; or the names and estimated loads of proposed tenant or buyer for the building or the proposed type of occupant, as far as is known by the Customer;
- c) barring a known occupant, the Customer’s best estimates of the likely load of the proposed building; all applicable documents required for the Company to prepare an easement for its facilities to be installed on private property;
- d) a copy of the approval of the planning board for the subdivision, if such is required;
- e) a copy of all permits and approvals that have been obtained for construction;
- f) the name and address of the financial institution providing financing for the Customer, including a contact person and phone number;
- g) a schedule of the Customer’s best estimate for construction;
- h) and such other reasonable information that may be requested

#### vi.v. Payment Required

##### 1. Construction Advance

Facilities in excess of those required to meet the distribution service requirements of the Customer are outside the scope of this policy and may entail additional payments from the Customer.

In accordance with the Formula below (the “Formula”), the Company shall determine whether a payment, by the Customer, of a Construction Advance shall be required. The Construction Advance shall be paid in full prior to the start of any construction.

$$\text{Construction Advance (A)} = C - (R/k)$$

Where:

A = the Construction Advance paid to the Company by the Customer.

Issued:	<u>April 27, 2017 XX XX, 20XX</u>	Issued by:	<u>/s/ James M. Sweeney Susan L. Fleck</u>
			<u>James M. Sweeney Susan L. Fleck</u>
Effective:	<u>May 1, 2017 XX XX, 20XX</u>	Title:	<u>President</u>

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017



NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

Original Page 72A  
Line Extensions – Policy 3:  
Individual C&I Customers

If a lower or negative (A) results from applying the Formula as so modified, and if, in the Company’s opinion, a risk does not exist regarding either a future reduction in the level of the Customer’s usage or the collectability of the Customer’s account, then the Company shall refund a portion of, or the entire calculated Construction Advance or the full cost of construction, without interest. In no case shall the amount refunded exceed the original construction advance (A), nor shall the review result in additional payments from the Customer.

3. Additional Payment

When in the Company’s opinion, more than 32 hours of engineering is required to determine the method of service or prepare construction estimates, the Company will estimate the cost of such engineering. The Company may charge the Customer the excess of 32 hours of engineering before engineering begins. If construction is undertaken, this payment will be applied to any required construction advance. If construction is not undertaken, the Company will refund any balance not spent. If no Construction Advance is required, the entire Additional Advance Payment will be refunded.

| Issued: XX XX, 20XX Issued by: /s/ Susan L. Fleck-  
Susan L. Fleck  
Effective: XX XX, 20XX Title: President

| Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_





- and conduit including spacers, glue, and pulling strings, etc., as indicated on the Company's plan and related construction documents;
- c) installing foundations, provided by the Company, for Company owned street lights;
  - d) supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above;
  - e) obtaining written consent of the Company for use of non-approved equipment and;
  - f) turning over ownership of the conduit system, to the Company upon inspection and acceptance of the conduit system by the Company;
  - g) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
  - h) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installations booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
  - f)i) obtaining any required environmental permits prior to the start of construction.-

The Company may, at its discretion, construct the distribution line in segments, rather than all at once in the proposed development. The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

#### ~~v. Customer Responsibilities~~

##### ~~1. Easements~~

~~The Company will require the Customer to provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company.~~

##### ~~2. Code Compliance~~

~~All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installations booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction.~~

##### ~~3. Environmental Permits~~

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.-

Sweeney

Susan L. Fleck James M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 75  
Superseding Original Page 75  
Line Extensions – Policy 4:  
C&I Developments

~~The Customer shall be responsible for obtaining any required environmental permits prior to the start of construction.~~

#### 4. Plans and Documentation

The Company may require the Customer to provide, in advance of engineering design and at no cost to the Company, the following:

- a) a complete copy of construction plans including the subdivision plans approved by the planning board in the municipality, if such is required by the municipality;

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.-

Sweeney

Susan L. Fleck James M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017





NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 76  
Superseding Original Page 76  
Line Extensions – Policy 4:  
C&I Developments

facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.

B = Allowed Credit per buildable lot  
N = Number of buildable lots

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.

Sweeney

Susan L. Fleck James M.

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Original Page 77  
Superseding Original Page 77  
Line Extensions – Policy 4:  
C&I Developments

Where the calculation of (A) results in a positive number, a construction advance in the amount of (A) shall be required from the Customer. Where the calculation of (A) results in a negative number, (A) shall be considered to be zero. When the calculation of (A) results in a construction advance of \$500 or less, the payment of the construction advance will be waived.

The Company shall exercise good faith in making each estimate and determination required above.

Any revenues from Energy Service shall be excluded from this calculation.

### 2. Additional Payment

When in the Company’s opinion, more than 60 hours of engineering is required to determine the method of service or prepare construction estimates, the Company will estimate the cost of such engineering. The Company may charge the Customer the excess of 60 hours before engineering begins. If construction is undertaken, this payment will be applied to any required construction advance. If construction is not undertaken, the Company will refund any balance not spent. If no Construction Advance is required, the entire Additional Advance Payment will be refunded.

### 3. Additional Advance Payments

If there is a cost to get to the limits of the development, the Company may charge the Customer this additional cost.

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. FleckJames M.-

Sweeney

Susan L. FleckJames M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017

61. Schedule of Fees for Line Extensions

i. Policy 1

1. Allowed Overhead/Underground Distance Per House:

- a) 300 feet or 1 pole, whichever is greater
- b) Overhead Cost per Foot greater than 300 feet \$11.40
- c) Underground Cost per Foot greater than 300 feet \$15.22

~~Under Policy 1, there is no allowed underground distance for a single residential home.~~ The Customer is given a credit equal to the cost of 300 feet of overhead or underground distribution line towards the construction cost ~~of the underground line extension~~ and the Customers pays for the costs in excess of the amount of the credit.

ii. Policy 2

- 1. Allowed Overhead Distance per House 100 feet
  - a) Overhead Cost per Foot \$11.40
- 2. Allowed Underground Distance per House 100 feet
  - a) Underground Cost per Centerline Foot \$14.71

iii. Policy 4

- 1. Overhead
  - a) B = Allowed Credit per Buildable Lot \$4,500
- 2. Underground
  - a) B = Allowed Credit per Buildable Lot \$4,500

Issued: XX XX, 20XX April 27, 2017  
Sweeney

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck James M.-

Sweeney

Susan L. Fleck James M.-

Effective: XX XX, 20XX May 1, 2017

Title: President

Authorized by NHPUC Order No. 26,005 in Docket No. DE 16-383, dated April 12, 2017



NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 58  
Superseding Original Page 58  
Line Extensions – Policy 1:  
Individual Residential Customers

Company, to construct such overhead power line extension on private property. The contractor shall supply and install all materials as specified by the Company.

Overhead line extensions must be designed by the Company and built to its specifications in order for the Company to assume ownership of the line.

The Company has the right to refuse to accept a line extension that does not conform to the Company's specifications. Customers may not contract with private line contractors to construct line extensions along public ways.

The Company shall be responsible for:

- a) installing, owning and maintaining all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion, are required to provide adequate service;
- b) designating the location of all Company owned equipment, the service entrance and meter location(s) at the house and,
- c) blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such estimated cost is in excess of 50% of the average cost per foot.

The Customer, at no cost to the Company, shall be responsible for blasting and tree trimming and removal on private property in accordance with the Company's specifications and subject to the Company's inspection.

### 3. Underground Line Extension

The Company will provide a single phase service to a residential customer from the Company's distribution system. The Company shall be responsible for:

- a) Developing the plan to provide underground electric service (if feasible);
- b) Designating the location of all Company owned equipment, the service entrance, and meter location;
- c) Designating riser pole location or underground switching cubicle for primary and/or secondary service;
- d) Designating pad mount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation boxpad;
- e) Providing the Company owned transformer foundation boxpad and grounding for single phase pad mount transformer, along with pull box (if required).
- f) Inspecting transformer foundation boxpad installation (including ground grid), other designated Company owned equipment installations, conduit system, and trenching to provided Company specifications;

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_







NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 61  
Superseding Original Page 61  
Line Extensions – Policy 1:  
Individual Residential Customers

vi. Line Extension Agreement

The Company may require the Customer to sign an agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation to the Customer's home, provided that such terms are not inconsistent with the terms expressed in this policy.

The Company, at its sole discretion, may refuse the request for a line extension if appropriate permits and easements cannot be obtained or if applicable codes and standards cannot be met.

The Company will begin construction when the service agreement and easement (if required) are signed and the payment is received.

The Company may, at its option, decline to undertake construction during the period of December 1 to April 1 of each year.

vii. Failure of Underground Facilities Which are the Subject of Customer Ownership

Individual residential line extensions installed prior to March 1, 2018 are owned by the Customer and thus the Customer is responsible for replacement of facilities owned by the customer, if failure occurs. At the request of the Customer, the Company will replace the underground line extension at the Customer's cost calculated in viii.2. above. The Customer is responsible for all requirements under iv.3. prior to installation of the replacement line extension including removal of all required foundations (except for Company boxpad foundations), handholes, manholes, grounding systems, primary and secondary cable, and conduit including, but not limited to, spacers, glue and pulling strings. The Customer is responsible for the removal of the Customer Owned failed system.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_





NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 64  
Superseding Original Page 64  
Line Extensions – Policy 2:  
Residential Developments

- a) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;
- b) providing and installing all required foundations (except for Company owned street light foundations), handholes, manholes, grounding systems, and conduit including spacers, glue and pulling strings, etc. as indicated on the Company's plan and related construction documents;
- c) installing foundations, provided by the Company, for Company owned street lights; supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above;
- d) equipment that is not approved shall not be used without the prior written consent of the Company; installing, owning, and maintaining all secondary services and service conduit from the Company's equipment to each designated meter location;
- e) turning over ownership of the conduit system, excluding the service conduit, to the Company upon inspection and acceptance of the conduit system by the Company;
- f) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
- g) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
- h) Obtaining any required environmental permits prior to the start of construction.

The Company may, at its discretion, construct the distribution line in segments, rather than all at once in the proposed development. The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_ in Docket No. DE \_\_\_\_, dated \_\_\_\_

#### 4. Plans and Other Documents

The total number of house lots proposed to be constructed will be provided in advance to the Company by the Customer, along with a complete copy of the subdivision plans approved by the planning board in the municipality, if such is required by the municipality. The Company need not begin design work prior to receipt of the approved plans.

The Company may require the Customer to provide, in advance and at no cost to the Company:

- a) a copy of the approval of the planning board for the subdivision;
- b) a copy of all permits and approvals that have been obtained for constructing the development;
- c) easements, drafted by the Company, for all facilities required to serve the development;
- d) the name and address of the financial institution providing financing for the development, including a contact person and phone number; a copy of a street light proposal for the development, approved by the municipality, or written notice from the municipality that street lighting will not be required;
- e) if installation is requested after construction is complete, additional costs, may be borne by the municipality and/or Customer if the tariff does not collect all costs of construction;
- f) a schedule of Customer's best estimate for the construction of homes in the development; and such other reasonable information that may be requested to confirm the viability of the development.

#### v. Payment Required

##### 1. Overhead Installation Charge

Centerline Feet Calculation: The centerline feet calculation will be defined as the total length of all roadways within the subdivision.

The "Overhead Cost -per Centerline Foot" will be a predetermined cost per centerline foot calculated by the Company. This cost is located in Schedule of Fees for Line Extensions in the Company's Terms and Conditions.

The "Overhead Cost per Centerline Foot" assumes that service points are in close proximity to roadways. The Company reserves the right to require the Customer to pay any excess costs to reach the service point when more than one span of wire is required to reach the service point from the roadway.

The Company will provide a predetermined length of centerline feet per house lot free of charge ("Allowed Overhead Distance per House")

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE\_\_\_\_\_, dated\_\_\_\_\_



NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 67  
Superseding Original Page 67  
Line Extensions – Policy 2:  
Residential Developments

vi. Line Extension Agreement

The Company may require the Customer to sign an agreement setting forth the terms of this policy and any other terms that the Company deems are reasonably necessary in connection with the installation to the Customer's home, provided that such terms are not inconsistent with the terms expressed in this policy.

The Company, at its sole discretion, may refuse the request for a line extension if appropriate permits and easements cannot be obtained or if applicable codes and standards cannot be met. The Company will begin construction when the service agreement and easement (if required) are signed and the payment is received.

The Company may, at its option, decline to undertake construction during the period of December 1 to April 1 of each year.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_



## 2. Overhead Line Extension

When overhead service is requested, the Company shall be responsible for:

- a) installing, owning and maintaining all poles, primary and secondary wires, transformers, service drops, meters, etc. that, in its opinion, are required to provide adequate service;
- b) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s) and.
- c) blasting and tree trimming and removal along public ways; the Company may charge the Customer the cost of such blasting and tree trimming and removal if, in the Company's opinion, such cost is excessive. The cost of the blasting and tree trimming is included in (C) of the formula which is found in section 59.vi.1.

The Customer, at no cost to the Company, shall be responsible for blasting and tree trimming and removal on private property, including roadways not accepted as public ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

## 3. Underground Line Extension

The Company will connect the Customer's underground primary distribution line extension to the Company's distribution system under the conditions shown below.

The Company shall be responsible for:

- a) Developing the plan to provide underground electric service (if feasible);
- b) Designating the location of all Company owned equipment, the service entrance, and meter location;
- c) Designating riser pole location or underground switching cubicle for primary and/or secondary service;
- d) Designating pad mount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation boxpad;
- e) Inspecting transformer foundation boxpad installation (including ground grid), other designated Company owned equipment installations, conduit system, and trenching to provided Company specifications;
- f) Installing, owning and maintaining: Pad Mount Transformer, primary cable and cable terminations, secondary cable, and meter (up to and including 400 Amp service).

The Customer, at no cost to the Company, shall be responsible the following prior to the start of the Company's construction:

- a) Contacting the Company to apply for a new electric service and obtain a work request number;

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Title: President

Authorized by NHPUC Order No. \_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 70  
Superseding Original Page 70  
Line Extensions – Policy 3:  
Individual C&I Customers

- sufficiently in advance of the commencement of construction to provide for applicable planning, material order, and construction schedule;
- b) Obtaining any required municipal electrical permits and arranging electrical inspection;
  - c) Providing, prior to the start of the Company's construction, a signed easement, drafted by the Company, for Company owned equipment on private property;
  - d) Installing all required foundations, handholes, pullboxes, grounding systems, and conduit including spacers, glue and pulling rope, etc., according to the Company's plan and Specifications;
  - e) Installing a primary riser (conduit system), 8 feet above ground shall be galvanized steel, including 90 degree steel sweep flush mount to pole designated by the Company, and bonding clamp with copper wire tap for grounding. The Company will install ground rod and complete bonding requirements;
  - f) Providing and installing Company approved Self-contained Meter Socket at location Pre-Approved By the Company. Refer to Liberty Utilities ESB # 750 Specifications for Electrical Installations, latest version, Section 7.0 Metering, for Self-contained Meter Socket requirements;
  - g) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
  - h) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installation booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
  - i) Obtaining any required environmental permits prior to the start of construction.

The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_











- and conduit including spacers, glue, and pulling strings, etc., as indicated on the Company's plan and related construction documents;
- c) installing foundations, provided by the Company, for Company owned street lights;
  - d) supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment listed above;
  - e) obtaining written consent of the Company for use of non-approved equipment and;
  - f) turning over ownership of the conduit system, to the Company upon inspection and acceptance of the conduit system by the Company;
  - g) Provide the Company with easements, drafted by the Company, for all Company owned facilities located on private property. The Customer will provide these easements prior to the start of the Company's construction and at no cost to the Company;
  - h) Code compliance: All construction must be in accordance with the Company's Construction Standards and the Specification for Electrical Installations booklet as published by the Company from time to time and shall comply with codes and requirements of legally constituted authorities having jurisdiction; and
  - i) obtaining any required environmental permits prior to the start of construction.

The Company may, at its discretion, construct the distribution line in segments, rather than all at once in the proposed development. The Company may, at its option, be exempt from undertaking construction during the period of December 1 to April 1 each year.

#### 4. Plans and Documentation

The Company may require the Customer to provide, in advance of engineering design and at no cost to the Company, the following:

- a) a complete copy of construction plans including the subdivision plans approved by the planning board in the municipality, if such is required by the municipality;
- b) the estimated new or additional electrical loads, as far as is known by the Customer; or the names and estimated loads of proposed tenants or buyers for each building or the proposed type of occupant, as far as is known by the Customer; barring a known occupant, the Customer's best estimates of the likely load of each proposed building;
- c) all applicable documents required for the Company to prepare an easement for its facilities to be installed on private property;
- d) a copy of the approval of the planning board for the subdivision, if such is required;
- e) a copy of all permits and approvals that have been obtained for construction;

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Susan L. Fleck

Effective: XX XX, 20XX

Title: President

Authorized by NHPUC Order No. \_\_\_\_ in Docket No. DE \_\_\_\_, dated \_\_\_\_\_

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 76  
Superseding Original Page 76  
Line Extensions – Policy 4:  
C&I Developments

- f) the name and address of the financial institution providing financing for the Customer, including a contact person and phone number;
- g) a copy of a street light proposal for the development, approved by the municipality, or written notice from the municipality that street lighting will not be required. If installation is requested after construction is complete, additional cost may be borne by the municipality and/or Customer if the appropriate tariff does not collect all costs of construction;
- h) a schedule of the Customer's best estimate for construction; and
- i) such other reasonable information that may be requested.

v. Payment Required

1. Construction Advance

The Company will determine the roadway infrastructure required to meet the distribution service requirements of the commercial development.

In accordance with the Formula below (the "Formula"), the Company shall determine whether a payment, by the Customer, of a Construction Advance shall be required. The "Allowed Credit per Buildable Lot" (B) will be a predetermined cost calculated by the company. This cost is located in the Schedule of Fees for Line Extensions in the Company's Terms and Conditions. The Construction Advance shall be paid in full prior to the start of any construction.

$$\text{Construction Advance (A)} = C - (B * N)$$

Where:

A = the Construction Advance paid to the Company by the Customer

C = the total estimated cost of construction for facilities required along the traveled way to meet the distribution service requirements of the development. This cost includes capital and non-capital costs. Where these new or upgraded facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.

B = Allowed Credit per buildable lot

N = Number of buildable lots

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_

NHPUC NO. 20 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

First Revised Page 77  
Superseding Original Page 77  
Line Extensions – Policy 4:  
C&I Developments

Where the calculation of (A) results in a positive number, a construction advance in the amount of (A) shall be required from the Customer. Where the calculation of (A) results in a negative number, (A) shall be considered to be zero. When the calculation of (A) results in a construction advance of \$500 or less, the payment of the construction advance will be waived.

The Company shall exercise good faith in making each estimate and determination required above.

Any revenues from Energy Service shall be excluded from this calculation.

## 2. Additional Payment

When in the Company's opinion, more than 60 hours of engineering is required to determine the method of service or prepare construction estimates, the Company will estimate the cost of such engineering. The Company may charge the Customer the excess of 60 hours before engineering begins. If construction is undertaken, this payment will be applied to any required construction advance. If construction is not undertaken, the Company will refund any balance not spent. If no Construction Advance is required, the entire Additional Advance Payment will be refunded.

## 3. Additional Advance Payments

If there is a cost to get to the limits of the development, the Company may charge the Customer this additional cost.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

Authorized by NHPUC Order No. \_\_\_\_\_ in Docket No. DE \_\_\_\_\_, dated \_\_\_\_\_



**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities  
 Calculation of Additional O&M Costs Associated with Ownership of Underground Services  
 Rates Effective May 1, 2018**

(1)	O&M Expense Above Base O&M Expense	\$198,620
(2)	2015 Test Year Sales (kWh)	931,390,348
(3)	Adjustment to Distribution Rates	0.021%

- (1) Estimated O&M costs for two employees
- (2) DE 16-383 2015 test year kWh
- (3) Line (1) ÷ Line (2)

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities  
 Procedure for Adjusting Distribution Rates for Incremental O&M Expense  
 Rates Effective May 1, 2018**

Rate Class	Distribution Rate Component	Approved May 1, 2017 Base Distribution Charges (a)	Proposed May 1, 2018 Distribution Increase (b)	Proposed May 1, 2018 Base Distribution Charges (c)	May 1, 2017 REP/VMP O&M Adjustment Factor (f)	Proposed May 1, 2018 Total Distribution Charges (g)
D	Customer Charge	\$14.54	0.021%	\$14.54		\$14.54
	1st 250 kWh	\$0.04065	0.021%	\$0.04066	(\$0.00004)	\$0.04062
	Excess 250 kWh	\$0.05277	0.021%	\$0.05278	(\$0.00004)	\$0.05274
	Off Peak kWh	\$0.04189	0.021%	\$0.04190	(\$0.00004)	\$0.04186
	Farm kWh	\$0.04580	0.021%	\$0.04581	(\$0.00004)	\$0.04577
	D-6 kWh	\$0.04266	0.021%	\$0.04267	(\$0.00004)	\$0.04263
D-10	Customer Charge	\$14.54	0.021%	\$14.54		\$14.54
	On Peak kWh	\$0.10426	0.021%	\$0.10428	(\$0.00004)	\$0.10424
	Off Peak kWh	\$0.00145	0.021%	\$0.00145	(\$0.00004)	\$0.00141
G-1	Customer Charge	\$378.73	0.021%	\$378.81		\$378.81
	Demand Charge	\$8.07	0.021%	\$8.07		\$8.07
	On Peak kWh	\$0.00520	0.021%	\$0.00520	(\$0.00004)	\$0.00516
	Off Peak kWh	\$0.00156	0.021%	\$0.00156	(\$0.00004)	\$0.00152
	Credit for High Voltage Delivery > 2.4 k	(\$0.44)	0.021%	(\$0.44)		(\$0.44)
G-2	Customer Charge	\$63.15	0.021%	\$63.16		\$63.16
	Demand Charge	\$8.12	0.021%	\$8.12		\$8.12
	All kWh	\$0.00204	0.021%	\$0.00204	(\$0.00004)	\$0.00200
	Credit for High Voltage Delivery > 2.4 k	(\$0.44)	0.021%	(\$0.44)		(\$0.44)
G-3	Customer Charge	\$14.54	0.021%	\$14.54		\$14.54
	All kWh	\$0.04607	0.021%	\$0.04608	(\$0.00004)	\$0.04604
	Minimum Charge > 25 kVA	\$2.58	0.021%	\$2.58		\$2.58
M	Luminaire Monthly Charge					
	<u>Description</u>					
	HPS 4,000	\$7.64	0.021%	\$7.64		\$7.64
	HPS 9,600	\$9.27	0.021%	\$9.27		\$9.27
	HPS 27,500	\$16.28	0.021%	\$16.28		\$16.28
	HPS 50,000	\$21.21	0.021%	\$21.21		\$21.21
	HPS 9,600 (Post Top)	\$10.67	0.021%	\$10.67		\$10.67
	HPS 27,500 Flood	\$16.42	0.021%	\$16.42		\$16.42
	HPS 50,000 Flood	\$22.67	0.021%	\$22.67		\$22.67
	Incandescent 1,000	\$10.21	0.021%	\$10.21		\$10.21
	Mercury Vapor 4,000	\$7.38	0.021%	\$7.38		\$7.38
	Mercury Vapor 8,000	\$8.99	0.021%	\$8.99		\$8.99
	Mercury Vapor 22,000	\$16.99	0.021%	\$16.99		\$16.99
	Mercury Vapor 63,000	\$32.23	0.021%	\$32.24		\$32.24
	Mercury Vapor 22,000 Flood	\$18.78	0.021%	\$18.78		\$18.78
	Mercury Vapor 63,000 Flood	\$32.44	0.021%	\$32.45		\$32.45
	<u>LED Fixtures</u>					
	30 Watt Pole Top	\$11.31	0.021%	\$11.31		
	50 Watt Pole Top	\$11.77	0.021%	\$11.77		\$11.77
	130 Watt Pole Top	\$13.61	0.021%	\$13.61		\$13.61
	190 Watt Pole Top	\$17.91	0.021%	\$17.91		\$17.91
	50 Watt URD	\$12.94	0.021%	\$12.94		\$12.94
	90 Watt Flood	\$13.05	0.021%	\$13.05		\$13.05
	130 Watt Flood	\$14.28	0.021%	\$14.28		\$14.28
	50 Watt Barn	\$4.98	0.021%	\$4.98		\$4.98
	Pole and Accessory Charge					
	<u>Description</u>					
	Pole -Wood	\$9.01	0.021%	\$9.01		\$9.01
	Fiberglass - Direct Embedded	\$9.33	0.021%	\$9.33		\$9.33
	Fiberglass w/Foundation <25 ft	\$15.83	0.021%	\$15.83		\$15.83
	Fiberglass w/Foundation >=25 ft	\$26.44	0.021%	\$26.44		\$26.44
	Metal Poles - Direct Embedded	\$18.86	0.021%	\$18.86		\$18.86
	Metal Poles with Foundation	\$22.74	0.021%	\$22.74		\$22.74
	All kWh	\$0.00000			(\$0.00004)	(\$0.00004)
T	Customer Charge	\$14.54	0.021%	\$14.54		\$14.54
	All kWh	\$0.04008	0.021%	\$0.04008	(\$0.00004)	\$0.04004
V	Minimum Charge	\$14.54	0.021%	\$14.54		\$14.54
	All kWh	\$0.04736	0.021%	\$0.04737	(\$0.00004)	\$0.04733

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities  
 Bill Calculation**

Usage	650	kWh	Current Rates	May 1, 2017 Proposed Rates	Current Bill	May 1, 2017 Proposed Bill
Customer Charge			\$14.54	\$14.54	\$14.54	\$14.54
Distribution Charge						
1st 250 kWh			\$0.04061	\$0.04062	\$10.15	\$10.15
excess of 250 kWh			\$0.05273	\$0.05274	\$21.09	\$21.10
Storm Recovery Adjustment			\$0.00000	\$0.00000	\$0.00	\$0.00
Transmission Charge			\$0.02011	\$0.02011	\$13.07	\$13.07
Stranded Cost Charge			\$0.00049	\$0.00049	\$0.32	\$0.32
System Benefits Charge			\$0.00354	\$0.00354	\$2.30	\$2.30
Electricity Consumption Tax			\$0.00055	\$0.00055	<u>\$0.36</u>	<u>\$0.36</u>
Subtotal Retail Delivery Services					\$61.83	\$61.84
Energy Service Charge			\$0.08644	\$0.08644	<u>\$56.19</u>	<u>\$56.19</u>
				Total Bill	\$118.02	\$118.03
						<b>\$0.01</b>
						<b>0.01%</b>

### **7.0.1 New Underground Single Phase Primary Radial Service Located on Private Property to an Individual Residential Customer**

The *Company* will provide a Single Phase Primary Radial Service to a *Residential Customer* from the *Company's* distribution system under the conditions shown below.

The *Company* may, at its option, be exempt from undertaking construction during the period of December 1, to April 1 each year.

#### **The Company shall be responsible for:**

- Developing the plan to provide underground electric service (if feasible);
- Designating the location of all *Company* owned equipment, the service entrance, and meter location;
- Designating riser pole location or underground switching cubicle for primary service;
- Designating pad mount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation boxpad;
- Providing the *Company* owned transformer foundation boxpad and grounding for single phase pad mount transformer, along with pull box (if required).
- Inspecting transformer foundation boxpad installation (including ground grid), other designated *Company* owned equipment installations, conduit system, and trenching to provided *Company* specifications;
- Installing, owning and maintaining:
  - Single Phase Pad Mount Transformer, primary cable and cable terminations, secondary cable, and meter (up to and including 400 Amp service).

#### **The Customer, at no cost to Company, shall be responsible for:**

- Contacting Liberty Utilities to apply for a new electric service and obtain a work request number. This should be one of the first actions in the process to provide for applicable planning, material order, and construction schedule.
- Obtaining any required municipal electrical permits and arranging electrical inspection.
- Providing, prior to the start of the *Company's* construction, all applicable documents required for the *Company* to prepare easements for its facilities to be installed on private property;
- Providing, prior to the start of the *Company's* construction, a signed easement, drafted by the *Company*, for *Company* owned equipment on private property;
- Installing all required foundations, handholes, pullboxes, grounding systems, and conduit including spacers, glue and pulling rope, etc., according to the *Company's* plan and Specifications.
- Installing a primary riser (conduit system), 8 feet above ground shall be galvanized steel, including 90 degree steel sweep flush mount to pole designated by the *Company*, and bonding clamp with copper wire tap for grounding. The *Company* will install ground rod and complete bonding requirements;
- Providing and installing *Company* approved Self-contained Meter Socket at location **Pre-Approved By the Company**. Refer to Liberty Utilities ESB # 750 Specifications for Electrical Installations, latest version, Section 7.0 Metering, for Self-contained Meter Socket requirements.

### **7.0.2 New Underground Three Phase Primary Radial Service Located on Private Property to an Individual Commercial Customer**

The *Company* will provide a Three Phase Primary Radial Service to a *Commercial Customer* from the *Company's* distribution system under the conditions shown below.

The *Company* may, at its option, be exempt from undertaking construction during the period of December 1, to April 1 each year.

**The Company shall be responsible for:**

- Developing the plan to provide three phase underground electric service (if feasible);
- Designating the location of all *Company* owned equipment, the service entrance, and meter location;
- Designating riser pole location or specify underground switchgear or switching cubicle for three phase primary service;
- Designating padmount transformer location with protection (bollards), if required, and if oil containment is required for transformer foundation pad;
- Inspecting transformer foundation pad installation (including ground grid), other designated *Company* owned equipment installations, conduit system (prior to backfilling), and trenching as indicated on the *Company's* electric service plan and related construction documents and specifications;
- Providing, installing, owning, and maintaining:
  - 3 Phase Padmount Transformer, Primary Cable, CT and PT's and Meter**Note:** *Company* will not install CT's in customer supplied CT cabinet.
- Owning and maintaining:
  - Primary conduit system (installed by *Customer*, to *Company* specifications)
  - Secondary cable installed by *Customer* from transformer to secondary splice box or cabinet, where required.
- Checking the final torque connections to the transformer's secondary bushings.

**Note: The *Customer* will be held accountable for any transformer damage occurring during construction or due to improper secondary installation.**

**The Customer, at no cost to the Company, shall be responsible for:**

- Contacting Liberty Utilities to apply for a new electric service and obtain a work request number. This should be one of the first actions in the process to provide for applicable planning, material order, and construction schedule.
- Obtaining any required municipal electrical permits and arranging electrical inspection.
- Providing, prior to the start of the *Company's* construction, all applicable documents required for the *Company* to prepare easements for its facilities to be installed on private property;
- Providing, prior to the start of the *Company's* construction, a signed easement, drafted by the *Company*, for *Company* owned equipment on private property;
- Providing and installing primary conduit system (including spare conduit and concrete encasement, if required) and trenching, including spacers, glue and pulling rope, etc., as indicated on the *Company's* electric service plan and related construction documents and specifications.
- Providing and Installing a primary riser and pull/splice box, if required (conduit system), 8 feet above ground shall be galvanized steel, including 90 degree steel sweep flush mount to pole designated by the *Company*, and bonding clamp with copper wire tap for grounding. The *Company* will install ground rod and complete bonding requirements;

- Turn over ownership of the conduit system, to the *Company* upon inspection and acceptance of the conduit system by the *Company*;
- Providing, installing, owning, and maintaining:
  - Transformer pad, reinforcement and grounding (per *Company* specifications);
  - Oil containment where required by the *Company* or local authority, (per *Company* specifications);
  - Transformer mechanical protection (bollards) as designated by *Company* (per *Company* Specifications);
  - All secondary equipment (including a secondary splice box or cabinet, if required) from the *Company's* equipment to the designated meter location(s);
  - Self-contained meter socket and CT Cabinet (*Company* specified) where required by *Company*, Refer to ESB #750 Specifications for Electrical Installations, latest version, for metering requirements;
  - For phase rotation and secondary phasing at energization, for 3 phase service;
  - Supply and install to *Company's* specification:
    - Secondary cable from transformer to splice box or cabinet, if required,
    - And connect secondary cable connections to transformer secondary bushings, *Company* to check final connection for proper torque of connections.

**Note: The *Customer* will be held accountable for any transformer damage occurring during construction or due to improper secondary installation.**

### 7.0.3 Underground Primary Service to Commercial Developments (UCD)

The division of ownership and responsibility shall be as outlined below, as specified by the State of New Hampshire PUC Tariff for Retail Delivery Service. Typical installation specifications to reflect installation practices are shown in the back of this guide.

**The *Company* shall be responsible for:**

- Developing the plan to provide underground electric infrastructure along the traveled way;
- Supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the *Customer* (See Pages 55 – 58);
- Designating the location of all *Company* owned equipment, the service entrance and meter location, excluding street lights;
- Determine if oil containment shall be required for pad mount transformer installation;
- Determine if padmount transformer and switchgear protection (bollards) is required and designating location;
- Making all connections to *Company* equipment;
- Inspecting and approving of the underground conduit system and equipment foundations installed by the *Customer* (Per *Company* Specifications), prior to backfilling;
- Providing, installing, owning and maintaining all transformers, primary cable, primary cable terminations, switchgear, and switching enclosures and related primary equipment;
- Providing *Company* owned street light foundations, street lights, and meters;
- Provide meters, current and potential transformers. *Company* will not install CTs in *Customer's* CT cabinet.
- Checking all connections, including final torque, to *Company*-owned equipment

**The Customer, at no cost to the Company, shall be responsible for:**

- Providing, prior to the start of the *Company's* construction, all applicable documents required for the *Company* to prepare easements for its facilities to be installed on private property;
- Providing, prior to the start of the *Company's* construction, a signed easement, drafted by the *Company*, for *Company* owned equipment on private property;
- Providing and installing all required foundations (except for *Company* owned street light foundations), handholes, manholes, splice/pull boxes, grounding systems, and conduit, and concrete encasement when required, including spacers, glue, and pulling strings, etc., as indicated on the *Company's* plan and related construction documents (Per *Company* Specifications);
- Installing foundations, provided by *Company*, for *Company* owned street lights;
- Supplying copies of all invoices, when requested, indicating manufacturer and part number for all such equipment above; equipment that is not approved shall not be used without the prior written consent of the *Company*;
- Turn over ownership of the conduit and manhole system, to the *Company* upon inspection and acceptance of the conduit and manhole system by the *Company*;
- Furnishing and installing transformer and switchgear mechanical protection (bollards) and material for oil containment under pad mounted transformers where required (Per *Company* Specifications);
- All secondary equipment (including a secondary splice box, if required) from the *Company's* equipment to the designated meter locations(s);
- Self-contained meter socket and CT Cabinet (*Company* specified) where required by *Company*, Refer to ESB #750 Specifications for Electrical Installations, latest version, for metering requirements;
- For phase rotation and secondary phasing at energization, for 3 phase service;
- Supply and install to *Company's* specification:
  - Secondary cable from transformer to splice box or cabinet, if required,
  - And connect secondary cable connections to transformer secondary bushings,
  - Company* to check final connection for proper torque of connections.

**Note: The Customer will be held accountable for any transformer damage occurring during construction or due to improper secondary installation.**