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Line Extensions – Policy 1: Individual Residential Customers

57. Line Extensions – Policy 1: Individual Residential Customers

In areas in which Delivery Service by the Company is authorized, the Company will extend its single-phase or three-phase distribution facilities or upgrade its single-phase distribution facilities to three-phase distribution facilities to a maximum of 5,280 feet in length to serve Customers under Residential Delivery Service Rate D and Rate D-10, as follows:

i. Applicability

When an individual residential Customer ("Customer") requests that a distribution line be extended to serve the Customer's single family or duplex home the terms of this policy shall apply.

This policy provides for standard single phase residential service. Service above and beyond standard residential service may result in additional cost to the Customer. Additional information is contained in the Company's "Specification for Electrical Installations" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public Way and Private Property

No distinction shall be made between line extensions on public ways or private property except where specifically noted.

2. Overhead Line Extension

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the

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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;
- 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).

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

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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;

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- 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

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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.

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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.

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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.

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4. More Than One Customer

Where overhead service is requested by more than one Customer under this policy at the same time, for the same line, the "Overhead Installation Charge" will be apportioned among those Customers, based on the amount of line attributable to each Customer. The Company will determine the equitable apportioning of the total estimated construction costs between the Customers. The calculation of the "Overhead Installation Charge" shall allow for a credit equal to "Allowed Overhead Line Distance per House" for each Customer.

5. Customer Added After Initial Construction

At the original Customer's request, if a new Customer (or group of Customers) is supplied service from facilities constructed under this policy, and if such service begins within five years from the date of the first payment received by the Company from the original Customer or group of Customers, the Company will require such new Customer(s) to make a prorated contribution to the payment of the initial "Overhead Installation Charge." Any contribution received from a new Customer(s) will be used to proportionately reduce the original Customer's "Overhead Installation Charge." The Company will determine the equitable apportioning of the total estimated construction costs between the Customers. However, no refunds will be paid in excess of the original Customer(s) "Overhead Installation Charge." In addition, a credit for the "Allowed Overhead Line Distance per House" for each Customer will be applied.

6. Change of Customer

The Customer must agree, as a condition for the line extension monthly payments, that if the Customer sells, leases or otherwise transfers control and use of the home to another individual ("New Occupant"), and such "New Occupant" opens a new account with the Company, the Customer will obtain an agreement from the "New Occupant" to pay the remaining balance as prescribed in the agreement of the Overhead Installation Charge that would have been owed by the Customer at that location. Unless the "New Occupant" signs a new superseding payment agreement with the Company, the original Customer will remain personally liable for the balance owed.

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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.

Failure of Underground Facilities Which are the Subject of Customer Ownership

Customers with Individual residential line extensions builtinstalled 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.

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Line Extensions – Policy 2: Residential Developments

58. Line Extensions – Policy 2: Residential Developments

i. General Applicability

When a developer, contractor, builder or other entity other than an individual residential Customer ("Customer") proposing to construct individual homes or a residential development of single family or duplex homes, requests that distribution lines be constructed to serve the homes or development and no suitable distribution facilities exist, the terms of this policy shall apply. This policy applies to a Customer whenever it is building more than one single family or duplex home.

This policy provides for standard single phase residential service. Service above and beyond standard residential service may result in additional cost to the Customer. Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public ways or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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

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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.

2. Overhead Line Extension

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) at each 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, including roadways not accepted as public, and ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

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.

3. Underground Line Extension

The Company shall be responsible for:

- a) developing the plan to provide underground electric service;
- b) supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer;
- c) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- d) providing Company owned street light foundations; providing, installing, owning and maintaining all transformers, Company owned street lights, primary and secondary cable, except services;
- e) making all connections to Company equipment;
- f) inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling;

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

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- 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

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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.

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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.

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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")

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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

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

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,	_		Susan L. Fl	<u>eck</u> James M.
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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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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.

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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

Original Page 68 Line Extensions – Policy 3: Individual C&I Customers

- 59. Line Extensions – Policy 3: Individual Commercial and Industrial Customers
 - i. General Applicability

When a commercial or industrial Customer, developer, contractor, builder or other entity ("Customer") requests service for new or increased load to a single lot, the terms of this policy shall apply.

Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public ways or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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.

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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

Page 21 of 36 First RevisedOriginal Page 69 **Superseding Original Page 69** Line Extensions – Policy 3: Individual C&I Customers

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.
- 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;
- d)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:

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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

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Line Extensions – Policy 3:
Individual C&I Customers

- <u>Process</u>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.
- c) 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.

	i j			
v. C ı	ustomer Responsibilities			
	1. Easements			
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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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 iurisdiction.

3. Environmental Permits

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Individual C&I Customers

NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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;
- 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.

Construction Advance (A) = C - (R/k)

Where:

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

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Line Extensions – Policy 3: Individual C&I Customers

C = the total estimated cost of construction for facilities required exclusively to meet the distribution service requirement of the Customer. 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.

R = the annual Distribution Revenue derived from the Customer within the first year following the completion of the Company's construction of the facilities.

k = the annual carrying charges measured at the time of construction, expressed as a decimal.

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. Refund

Whenever the Company collects a Construction Advance from the Customer, the Customer has the option to request the Company to perform a one-time recalculation of the Construction.

Advance payment using actual construction costs and actual distribution revenue to determine if a refund of all or a portion of the original payment is warranted. The request for the one-time review may be made at any time between twelve and thirty-six months after commencement of delivery of electricity.

To determine the refund the Construction Formula shall be modified as follows:

C = the actual cost of construction. If the actual cost of construction exceeds the estimate, then the estimated cost of construction shall be used. 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.

R = the actual additional annual distribution revenue for the most recent twelve months.

k =the annual carrying charge factor, expressed as a decimal.

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LIBERTY UTILITIES

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.

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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

Line Extensions – Policy 4: C&I Developments

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60. Line Extensions – Policy 4: Commercial and Industrial Developments

i. Applicability

When a developer, contractor, builder or other entity ("Customer") proposes to construct a commercial or industrial development and no suitable distribution facilities exist, the terms of this policy shall apply. For the purposes of this policy, commercial or industrial Customers shall include condominiums, apartments or mobile home complexes.

Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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.

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Line Extensions – Policy 4:

C&I Developments

NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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 60.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.

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.

3. Underground Line Extension

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

- a) developing the plan to provide underground electric infrastructure along the traveled way;
- b) supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer; designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- c) providing Company owned street light foundations providing, installing, owning and maintaining all transformers, primary cable, related primary equipment, Company owned street lights, and meters;
- d) making all connections to Company equipment and,
- e) inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling.

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

- 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,

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Line Extensions – Policy 4: C&I Developments

- 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
- thi) 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

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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;

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- 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;

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e)f) the name and address of the financial institution providing financing for the Customer, including a contact person and phone number; f)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; a schedule of the Customer's best estimate for construction; and h)i)such other reasonable information that may be requested.

vi.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.

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

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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

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Line Extensions – Policy 4: **C&I** Developments

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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.

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

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Line Extensions – Policy 1:
Individual Residential Customers

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57. Line Extensions – Policy 1: Individual Residential Customers

In areas in which Delivery Service by the Company is authorized, the Company will extend its single-phase or three-phase distribution facilities or upgrade its single-phase distribution facilities to three-phase distribution facilities to a maximum of 5,280 feet in length to serve Customers under Residential Delivery Service Rate D and Rate D-10, as follows:

i. Applicability

When an individual residential Customer ("Customer") requests that a distribution line be extended to serve the Customer's single family or duplex home the terms of this policy shall apply.

This policy provides for standard single phase residential service. Service above and beyond standard residential service may result in additional cost to the Customer. Additional information is contained in the Company's "Specification for Electrical Installations" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public Way and Private Property

No distinction shall be made between line extensions on public ways or private property except where specifically noted.

2. Overhead Line Extension

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the

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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;

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The Customer, at no cost to the Company, shall be responsible for 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 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;
- 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:
- 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;
- 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
- Obtaining any required environmental permits prior to the start of construction.

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.

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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.

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.

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.

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.

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4. More Than One Customer

Where overhead service is requested by more than one Customer under this policy at the same time, for the same line, the "Overhead Installation Charge" will be apportioned among those Customers, based on the amount of line attributable to each Customer. The Company will determine the equitable apportioning of the total estimated construction costs between the Customers. The calculation of the "Overhead Installation Charge" shall allow for a credit equal to "Allowed Overhead Line Distance per House" for each Customer.

5. Customer Added After Initial Construction

At the original Customer's request, if a new Customer (or group of Customers) is supplied service from facilities constructed under this policy, and if such service begins within five years from the date of the first payment received by the Company from the original Customer or group of Customers, the Company will require such new Customer(s) to make a prorated contribution to the payment of the initial "Overhead Installation Charge." Any contribution received from a new Customer(s) will be used to proportionately reduce the original Customer's "Overhead Installation Charge." The Company will determine the equitable apportioning of the total estimated construction costs between the Customers. However, no refunds will be paid in excess of the original Customer(s) "Overhead Installation Charge." In addition, a credit for the "Allowed Overhead Line Distance per House" for each Customer will be applied.

6. Change of Customer

The Customer must agree, as a condition for the line extension monthly payments, that if the Customer sells, leases or otherwise transfers control and use of the home to another individual ("New Occupant"), and such "New Occupant" opens a new account with the Company, the Customer will obtain an agreement from the "New Occupant" to pay the remaining balance as prescribed in the agreement of the Overhead Installation Charge that would have been owed by the Customer at that location. Unless the "New Occupant" signs a new superseding payment agreement with the Company, the original Customer will remain personally liable for the balance owed.

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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.

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58. Line Extensions – Policy 2: Residential Developments

i. General Applicability

When a developer, contractor, builder or other entity other than an individual residential Customer ("Customer") proposing to construct individual homes or a residential development of single family or duplex homes, requests that distribution lines be constructed to serve the homes or development and no suitable distribution facilities exist, the terms of this policy shall apply. This policy applies to a Customer whenever it is building more than one single family or duplex home.

This policy provides for standard single phase residential service. Service above and beyond standard residential service may result in additional cost to the Customer. Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public ways or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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

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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.

2. Overhead Line Extension

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) at each 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, including roadways not accepted as public, and ways by the municipality, in accordance with the Company's specifications and subject to the Company's inspection.

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.

3. Underground Line Extension

The Company shall be responsible for:

- a) developing the plan to provide underground electric service;
- b) supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer;
- c) designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- d) providing Company owned street light foundations; providing, installing, owning and maintaining all transformers, Company owned street lights, primary and secondary cable, except services;
- e) making all connections to Company equipment;
- f) inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling;

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

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- a) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;
- 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;
- 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;
- 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;
- 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.

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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")

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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 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

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

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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.

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Line Extensions – Policy 3: Individual C&I Customers

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59. Line Extensions – Policy 3: Individual Commercial and Industrial Customers

i. General Applicability

When a commercial or industrial Customer, developer, contractor, builder or other entity ("Customer") requests service for new or increased load to a single lot, the terms of this policy shall apply.

Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public ways or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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.

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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;

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- 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;
- 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;
- 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
- 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.

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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

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.

Construction Advance (A) = C - (R/k)

Where:

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

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T-66 .:	WWW AND	TO A	Susan L. Fleck
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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

Line Extensions – Policy 3:

Individual C&I Customers

C = the total estimated cost of construction for facilities required exclusively to meet the distribution service requirement of the Customer. This cost includes capital and noncapital costs. Where these new or upgraded facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.

R = the annual Distribution Revenue derived from the Customer within the first year following the completion of the Company's construction of the facilities.

k = the annual carrying charges measured at the time of construction, expressed as a decimal.

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. Refund

Whenever the Company collects a Construction Advance from the Customer, the Customer has the option to request the Company to perform a one-time recalculation of the Construction.

Advance payment using actual construction costs and actual distribution revenue to determine if a refund of all or a portion of the original payment is warranted. The request for the one-time review may be made at any time between twelve and thirty-six months after commencement of delivery of electricity.

To determine the refund the Construction Formula shall be modified as follows:

C = the actual cost of construction. If the actual cost of construction exceeds the estimate, then the estimated cost of construction shall be used. This cost includes capital and noncapital costs. Where these new or upgraded facilities are not solely to provide service to the Customer, the Company shall appropriately apportion these costs.

R = the actual additional annual distribution revenue for the most recent twelve months.

k =the annual carrying charge factor, expressed as a decimal.

April 27, 2017 Issued by: /s/ James M. Sweeney Issued:

James M. Sweeney

Effective: May 1, 2017 Title: President

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

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
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Line Extensions – Policy 3:
Individual C&I Customers

NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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.

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Line Extensions – Policy 4: C&I Developments

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60. Line Extensions – Policy 4: Commercial and Industrial Developments

i. Applicability

When a developer, contractor, builder or other entity ("Customer") proposes to construct a commercial or industrial development and no suitable distribution facilities exist, the terms of this policy shall apply. For the purposes of this policy, commercial or industrial Customers shall include condominiums, apartments or mobile home complexes.

Additional information is contained in the Company's "Specification for Electrical Installation" booklet located on the Company's website and the Company's Terms and Conditions as filed with the New Hampshire Public Utilities Commission.

ii. Temporary Service

This policy shall not apply to lines constructed for temporary service. Temporary service is defined in the Company's Terms and Conditions. The Company should be contacted regarding the cost and availability of temporary service.

iii. Street Lights

This policy shall not apply to street lights. All street light installations will be made in accordance with the Company's street light tariffs approved by the New Hampshire Public Utilities Commission. The Company should be consulted regarding street light rates, costs and availability.

iv. Construction of Facilities

1. Line Extension on Public and Private Ways

No distinction shall be made between line extensions on public or private ways except where specifically noted.

Pursuant to RSA 370:12, Customers requiring an overhead line extension on private property may opt to hire and pay a private line contractor, licensed by the state and approved by the 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.

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James M. Sweeney

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Line Extensions – Policy 4:

C&I Developments

NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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 60.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.

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.

3. Underground Line Extension

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

- a) developing the plan to provide underground electric infrastructure along the traveled way;
- b) supplying a list of approved manufacturers and their part numbers for equipment to be supplied by the Customer; designating the location of all Company owned equipment, excluding street lights, and the service entrance and meter location(s);
- c) providing Company owned street light foundations providing, installing, owning and maintaining all transformers, primary cable, related primary equipment, Company owned street lights, and meters;
- d) making all connections to Company equipment and,
- e) inspecting the underground conduit system and equipment foundations installed by the Customer, prior to backfilling.

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

- 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,

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Line Extensions – Policy 4:
C&I Developments

- 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;

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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.

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

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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
DE 17-__
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NHPUC NO. 20 - ELECTRICITY DELIVERY LIBERTY UTILITIES

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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.

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First Revised Page 78 Superseding Original Page 78 Line Extensions – Schedule of Fees

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- 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

The Customer is given a credit equal to the cost of 300 feet of overhead or underground distribution line towards the construction cost and the Customer pays for the costs in excess of the amount of the credit.

ii. Policy 2

1.	Allowed Overhea	use	100 feet		
	a) Overhead Co		\$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 = A1	lowed	Credit	ner	Buildable	Lot	\$4,500
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2. Underground

a) B = Allowed Credit per Buildable Lot \$4,500

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

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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

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

Estimated O&M costs for two employees DE 16-383 2015 test year kWh Line (1) ÷ Line (2) 300

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

	Rates Effective May 1, 2018					
Rate Class	<u>Distribution Rate Component</u>	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 <u>Factor</u> (f)	Proposed May 1, 2018 Total Distribution Charges (g)
D	Customer Charge 1st 250 kWh Excess 250 kWh	\$14.54 \$0.04065 \$0.05277	0.021% 0.021% 0.021%	\$14.54 \$0.04066 \$0.05278	(\$0.00004) (\$0.00004)	\$14.54 \$0.04062 \$0.05274
	Off Peak kWh Farm kWh D-6 kWh	\$0.03277 \$0.04189 \$0.04580 \$0.04266	0.021% 0.021% 0.021% 0.021%	\$0.04190 \$0.04581 \$0.04267	(\$0.0004) (\$0.00004) (\$0.00004)	\$0.03274 \$0.04186 \$0.04577 \$0.04263
D-10	Customer Charge On Peak kWh Off Peak kWh	\$14.54 \$0.10426 \$0.00145	0.021% 0.021% 0.021%	\$14.54 \$0.10428 \$0.00145	(\$0.00004) (\$0.00004)	\$14.54 \$0.10424 \$0.00141
G-1	Customer Charge Demand Charge	\$378.73 \$8.07	0.021% 0.021%	\$378.81 \$8.07	(**************************************	\$378.81 \$8.07
	On Peak kWh Off Peak kWh Credit for High Voltage Delivery > 2.4 k	\$0.00520 \$0.00156 (\$0.44)	0.021% 0.021% 0.021%	\$0.00520 \$0.00156 (\$0.44)	(\$0.00004) (\$0.00004)	\$0.00516 \$0.00152 (\$0.44)
G-2	Customer Charge Demand Charge	\$63.15 \$8.12	0.021% 0.021%	\$63.16 \$8.12	(fig. 0000.4)	\$63.16 \$8.12
	All kWh Credit for High Voltage Delivery > 2.4 k	\$0.00204 (\$0.44)	0.021% 0.021%	\$0.00204 (\$0.44)	(\$0.00004)	\$0.00200 (\$0.44)
G-3	Customer Charge All kWh Minimum Charge > 25 kVA	\$14.54 \$0.04607 \$2.58	0.021% 0.021% 0.021%	\$14.54 \$0.04608 \$2.58	(\$0.00004)	\$14.54 \$0.04604 \$2.58
М	Luminaire Monthly Charge Description					
	HPS 4,000 HPS 9,600 HPS 27,500	\$7.64 \$9.27 \$16.28	0.021% 0.021% 0.021%	\$7.64 \$9.27 \$16.28		\$7.64 \$9.27 \$16.28
	HPS 50,000 HPS 9,600 (Post Top) HPS 27,500 Flood	\$21.21 \$10.67 \$16.42	0.021% 0.021% 0.021%	\$21.21 \$10.67 \$16.42		\$21.21 \$10.67 \$16.42
	HPS 50,000 Flood Incandescent 1,000 Mercury Vapor 4,000	\$22.67 \$10.21 \$7.38	0.021% 0.021% 0.021%	\$22.67 \$10.21 \$7.38		\$22.67 \$10.21 \$7.38
	Mercury Vapor 8,000 Mercury Vapor 22,000 Mercury Vapor 63,000	\$8.99 \$16.99 \$32.23	0.021% 0.021% 0.021% 0.021%	\$8.99 \$16.99 \$32.24		\$8.99 \$16.99 \$32.24
	Mercury Vapor 63,000 Flood Mercury Vapor 63,000 Flood LED Fixtures	\$18.78 \$32.44	0.021% 0.021% 0.021%	\$18.78 \$32.45		\$18.78 \$32.45
	30 Watt Pole Top 50 Watt Pole Top 130 Watt Pole Top	\$11.31 \$11.77 \$13.61	0.021% 0.021% 0.021%	\$11.31 \$11.77 \$13.61		\$11.77 \$13.61
	190 Watt Pole Top 50 Watt URD	\$17.91 \$12.94	0.021% 0.021%	\$17.91 \$12.94		\$17.91 \$12.94
	90 Watt Flood 130 Watt Flood 50 Watt Barn Pole and Accessory Charge	\$13.05 \$14.28 \$4.98	0.021% 0.021% 0.021%	\$13.05 \$14.28 \$4.98		\$13.05 \$14.28 \$4.98
	<u>Description</u> Pole -Wood Fiberglass - Direct Embedded Fiberglass w/Foundation <25 ft	\$9.01 \$9.33 \$15.83	0.021% 0.021% 0.021%	\$9.01 \$9.33 \$15.83		\$9.01 \$9.33 \$15.83
	Fiberglass w/Foundation >=25 ft Metal Poles - Direct Embedded Metal Poles with Foundation	\$26.44 \$18.86 \$22.74	0.021% 0.021% 0.021% 0.021%	\$26.44 \$18.86 \$22.74		\$26.44 \$18.86 \$22.74
	All kWh	\$0.00000			(\$0.00004)	(\$0.00004)
T	Customer Charge All kWh	\$14.54 \$0.04008	0.021% 0.021%	\$14.54 \$0.04008	(\$0.00004)	\$14.54 \$0.04004
V	Minimum Charge All kWh	\$14.54 \$0.04736	0.021% 0.021%	\$14.54 \$0.04737	(\$0.00004)	\$14.54 \$0.04733

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

Usage 6	50	kWh				
				May 1, 2017		May 1, 2017
			Current	Proposed	Current	Proposed
		_	Rates	Rates	Bill	Bill
Customer Charge	9		\$14.54	\$14.54	\$14.54	\$14.54
Distribution Charg	ge					
1st 2	250 kV	۷h	\$0.04061	\$0.04062	\$10.15	\$10.15
exce	ss of	250 kWh	\$0.05273	\$0.05274	\$21.09	\$21.10
Storm Recovery A	Adjust	ment	\$0.00000	\$0.00000	\$0.00	\$0.00
Transmission Cha	arge		\$0.02011	\$0.02011	\$13.07	\$13.07
Stranded Cost Ch	narge		\$0.00049	\$0.00049	\$0.32	\$0.32
System Benefits (Charg	е	\$0.00354	\$0.00354	\$2.30	\$2.30
Electricity Consur	nption	ı Tax	\$0.00055	\$0.00055	\$0.36	\$0.36
Subtotal Retail De	•				\$61.83	\$61.84
Energy Service C	harge		\$0.08644	\$0.08644	<u>\$56.19</u>	<u>\$56.19</u>
				Total Bill	\$118.02	\$118.03
						\$0.01 0.01%
70 111	Cieds	e ili oso kvvi	i i Otal Reside	illiai Dili		0.0176

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 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.

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.