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#### Liberty Utilities (Granite State Electric) d/b/a Liberty Rate EV-L

		Rate G-1 Billing	Rate G-1	Rate G-1	Percent Split	Proposed %	Proposed	Proposed
		Determinants	<b>Current Revenues</b>	<b>Current Rates</b>	By Charge	Split by Charge	Revenues	Rates
		(a)	(b)	(c.)	(d)	(e)	(f)	(g)
1	Customer Charge	1,742	\$747,073	\$428.76	6.98%	5.00%	\$534,882	\$307.05
2	kWh	367,232,595	\$1,293,482	\$0.00352	12.09%	85.00%	\$9,092,995	\$0.02476
3	kW	951,328	\$8,657,085	\$9.10	80.93%	10.00%	\$1,069,764	\$1.12
4		Total	\$10,697,641			Total	\$10,697,641	

- a Billing determinants from DE 19-064 test year
- b Current rates multiplied by billing determinants in (a)
- c Current rates
- d Line 1 / Line 4
- e Percent split
- f (e.) x (b)
- g (f) / (a)

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#### Liberty Utilities (Granite State Electric) d/b/a Liberty Rate EV-M

		Rate G-2 Billing	Rate G-2	Rate G-2	Percent Split	Proposed %	Proposed	Proposed
		Determinants	<b>Current Revenues</b>	<b>Current Rates</b>	By Charge	Split by Charge	Revenues	Rates
		(a)	(b)	(c.)	(d)	(e)	(f)	(g)
1	Customer Charge	10,558	\$754,500	\$71.47	13.21%	5%	\$285,556	\$27.05
2	kWh	125,159,740	\$289,119	\$0.00300	5.06%	85%	\$4,854,449	\$0.03879
3	kW	510,109	\$4,667,497	\$9.15	81.73%	10%	\$571,112	\$1.12
4		Total	\$5,711,117			Total	\$5,711,117	

- a Billing determinants from DE 19-064 test year
- b Current rates multiplied by billing determinants in (a)
- c Current rates
- d Line 1 / Line 4
- e Percent split
- f (e.) x (b)
- g (f) / (a)

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#### Rate EV-L Commercial Plug In Electric Vehicle Charging Station

#### **Availability**

Retail Delivery Service under this rate is available for separately metered electric vehicle charging stations. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than 72 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.

### **Character of Service**

Service supplied under this rate will be 60 cycle, alternating current either:

- Three-phase secondary normally at a nominal voltage of 120/208, or 277/480 volts for loads greater than 72 kW. Demand of 150 kVa or greater will be generally served by padmounted transformer service according to the Company's Specifications for Electrical Installations.
- Three-phase primary normally at a nominal voltage of 2400, 4160, 4800, 7200, 13,200 or 13,800 volts for loads greater than 72 kW. Demand of 150 kVa or greater will be generally served by padmounted transformer service according to the Company's Specifications for Electrical Installations.

All voltages are not available in every area.

#### Rates per Month

The rate per month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff:

Customer Charge	\$307.05 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge	2.476
Reliability Enhancement/Vegetation Management	0.064
Total Distribution Charge	2.540
Demand Charge	\$1.12
Transmission Charge	2.957
Stranded Cost Adjustment Factor	(0.080)
Storm Recovery Adjustment Factor	0.000

### Demand

The Demand for each month under ordinary load conditions shall be the greatest fifteen-minute peak which occurs during such month as measured in kilowatts.

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#### Terms of Agreement

The term of the Service Agreement shall be one year, and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

#### Guarantees

When the estimated expenditure necessary to deliver electrical energy properly to a Customer's premises shall be of such an amount that the income to be derived from the delivery of such energy at the rate herein established, including the monthly minimum charge, will be insufficient to warrant such expenditure, the Company may require the Customer to guarantee a minimum annual payment for a term of years and/or to pay the whole or a part of the cost of extending, enlarging, or rebuilding its facilities to supply the Customer's premises or other reasonable payments in addition to the payments otherwise provided herein.

## **Location of Charging Stations**

The order of preference for the location Company facilities to serve charging stations are (i) along public ways; (ii) along private roads maintained year-round; (iii) and over rights of way accessible by standard Company equipment. The Company may choose a higher preference location even if a lower preference location may result in a shorter line extension. The final placement of Company facilities to serve charging stations must be preapproved by the Company.

#### Distribution Facilities to Serve Charging Stations

#### 1. Overhead Three-Phase Facilities

The estimated cost of distribution facilities, including the length of an Overhead Service Drop shall be derived based on the customer-specific job requirements and shall include all costs related to the construction of the distribution facilities, including but not limited to design and inspection and construction labor; researching and recording easements; materials; traffic control; tree trimming; blasting and overheads.

#### 2. Underground Three-Phase Facilities

The estimated cost of distribution facilities, including the length of an Underground Service Drop shall be derived based on the customer-specific job requirements and shall include all costs related to the construction of the distribution facilities, including but not limited to design and inspection and construction labor; researching and recording easements; materials; traffic control; tree trimming; blasting and overheads 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 Company will determine the excess cost on the basis of average cost formulas consistently and equitably applied to all underground installations.

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### **Responsibilities**

#### 1. Overhead Facilities

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

- a) blasting and tree trimming and removal along private ways;
- b) 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;
- c) the Customer's best estimates of the likely load of the proposed charging stations; 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, if such is required;
- e) a copy of all permits and approvals that have been obtained for construction;
- f) a schedule of the Customer's best estimate for construction;
- g) And such other reasonable information that may be requested.

#### 2. Underground Facilities

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

a) blasting and tree trimming and removal along public ways

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- b) 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;
- c) the estimated electrical loads, as far as is known by the Customer 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, if such is required;
- e) a copy of all permits and approvals that have been obtained for construction;
- f) a schedule of the Customer's best estimate for construction;
- g) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property;
- h) 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.;
- i) and such other reasonable information that may be requested.

All distribution facilities constructed under the provisions of this Rate to serve charging stations shall be and shall remain the property of the Company. The Company shall not be required to install distribution lines, transformers, Service Drops or meters under the above terms in locations where access is difficult by standard Company distribution construction and maintenance vehicles where the service does not comply with the Company's environmental policy and procedures, or where it is necessary to cross a body of water.

#### **Payments**

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.

Where:

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

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.

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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.

Only revenues included in this calculation are Distribution revenues.

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 unless excess costs are caused by the Customer.

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#### **Rate EV-M Commercial Plug In Electric Vehicle Charging Station**

### **Availability**

Retail Delivery Service under this rate is available for separately metered electric vehicle charging stations. A Customer will take delivery service on this rate if the Company estimates that its average use will be no greater than 72 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate.

### **Character of Service**

Service supplied under this rate will be 60 cycle, alternating current single-phase normally three-wire at a nominal voltage of 120/240 volts for loads less than 72 kilowatts.

All voltages are not available in every area.

### Rates per Month

The rate per month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff:

Customer Charge	\$27.05 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge	3.879
Reliability Enhancement/Vegetation Management	0.064
Total Distribution Charge	3.943
Demand Charge	\$1.12
Transmission Charge	2.418
Stranded Cost Adjustment Factor	(0.080)
Storm Recovery Adjustment Factor	0.000

### **Demand**

The Demand for each month under ordinary load conditions shall be the greatest fifteen-minute peak which occurs during such month as measured in kilowatts.

#### Terms of Agreement

The term of the Service Agreement shall be one year, and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

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#### Guarantees

When the estimated expenditure necessary to deliver electrical energy properly to a Customer's premises shall be of such an amount that the income to be derived from the delivery of such energy at the rate herein established, including the monthly minimum charge, will be insufficient to warrant such expenditure, the Company may require the Customer to guarantee a minimum annual payment for a term of years and/or to pay the whole or a part of the cost of extending, enlarging, or rebuilding its facilities to supply the Customer's premises or other reasonable payments in addition to the payments otherwise provided herein.

## **Location of Charging Stations**

The order of preference for the location Company facilities to serve charging stations are (i) along public ways; (ii) along private roads maintained year-round; (iii) and over rights of way accessible by standard Company equipment. The Company may choose a higher preference location even if a lower preference location may result in a shorter distance for the service. The final placement of Company facilities to serve charging stations must be preapproved by the Company.

### Distribution Facilities to Serve Charging Stations

### 1. Overhead Single Phase Facilities

The estimated cost of distribution facilities, including the length of an Overhead Service Drop shall be derived based on the customer-specific job requirements and shall include all costs related to the construction of the distribution facilities, including but not limited to design and inspection and construction labor; researching and recording easements; materials; traffic control; tree trimming; blasting and overheads.

#### 2. Underground Single Phase Facilities

The estimated cost of distribution facilities, including the length of an Underground Service Drop shall be derived based on the customer-specific job requirements and shall include all costs related to the construction of the distribution facilities, including but not limited to design and inspection and construction labor; researching and recording easements; materials; traffic control; tree trimming; blasting and overheads 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 Company will determine the excess cost on the basis of average cost formulas consistently and equitably applied to all underground installations.

### Responsibilities

### 1. Overhead Facilities

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;

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b) designating the location of all Company owned equipment, the service entrance and meter location(s) at the house 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 estimated cost is in excess of 50% of the average cost per foot.

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

- a) blasting and tree trimming and removal along private ways;
- b) 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;
- c) the Customer's best estimates of the likely load of the proposed charging stations; 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, if such is required;
- e) a copy of all permits and approvals that have been obtained for construction;
- f) a schedule of the Customer's best estimate for construction;
- g) And such other reasonable information that may be requested.

#### 2. Underground Facilities

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

- a) blasting and tree trimming and removal along public way
- b) 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;
- c) the estimated electrical loads, as far as is known by the Customer
- d) all applicable documents required for the Company to prepare an easement for its facilities to be installed on private property;
- e) a copy of the approval of the planning board, if such is required;
- f) a copy of all permits and approvals that have been obtained for construction;
- g) a schedule of the Customer's best estimate for construction;

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- h) all applicable documents required for the Company to prepare easements for its facilities to be installed on private property; 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.;
- i) and such other reasonable information that may be requested.

All distribution facilities constructed under the provisions of this Rate to serve charging stations shall be and shall remain the property of the Company. The Company shall not be required to install distribution lines, transformers, Service Drops or meters under the above terms in locations where access is difficult by standard Company distribution construction and maintenance vehicles where the service does not comply with the Company's environmental policy and procedures, or where it is necessary to cross a body of water.

#### **Payments**

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.

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.

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Only revenues included in this calculation are Distribution revenues.

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 unless excess costs are caused by the Customer.

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