

Exhibit 1
Kilowatt-Hour Rate Calculation

	\$\$	\$\$	Total Coincident	Per kWh
	Per MW	Per kW	Peak - Rate M	Rate 50%
	(a)	(b)	(c.)	(d)
1 Primary Cost per MW	75,999	75.999	2,669	\$ 0.02847
2 Secondary Cost per MW	27,841	27.841	2,669	\$ 0.01043
3 Total			5,338	\$ 0.03891

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(b) Column (a) / 1000

(c.) Coincident peak of Rate M in Docket No. DE 19-062 Bates page 45

(d) Column (b) / (c.)

(e.) Column (b) / 1000

(f) Column (d) x .50

EXHIBIT 2

Liberty Utilities Outdoor Lighting Hours per Month

<u>Date</u>	<u>Length of Sun Days (1)</u>	<u>Avg Hours</u>		<u>Days / Month</u>	<u>Darkness</u>	<u>Daylight</u>	<u>Total Hours</u>
		<u>Daylight</u>	<u>Darkness</u>				
Jan-14	9 hr 54 min - 10 hr 20 min	10	14	31	430.4	313.6	
Feb-14	10 hr 32 min - 11 hr 13 min	11	13	28	367.5	304.5	
Mar-14	11 hr 29 min - 12 hr 30 min	12	12	31	372.3	371.7	
Apr-14	12 hr 45 min - 13 hr 28 min	13	11	30	326.8	393.3	
May-14	13 hr 42 min - 14 hr 13 min	14	10	31	311.3	432.7	
Jun-14	14 hr 21 min - 14 hr 29 min	14	10	30	287.5	432.5	
Jul-14	14 hr 25 min - 14 hr 2 min	14	10	31	303.0	441.0	
Aug-14	13 hr 51 min - 12 hr 56 min	13	11	31	328.9	415.1	
Sep-14	12 hr 41 min - 11 hr 56 min	12	12	30	350.8	369.3	
Oct-14	11 hr 40 min - 10 hr 57 min	11	13	31	393.4	350.6	
Nov-14	10 hr 43 min - 10 hr 0 min	10	14	30	409.3	310.8	
Dec-14	9 hr 53 min - 9 hr 49 min	10	14	31	<u>438.7</u>	<u>305.4</u>	
					4,320	4,440	8,760.0

Note: (1) Information from: 2014 Farmer's Almanac. Total Hours in Year 8760

Estimate of Day Length: (Information from: 2014 Farmer's Almanac.)

<u>Month</u>	<u>Calculated Hours of</u>		<u>Average Darkness/Day</u>	<u>Check</u>
	<u>Daylight</u>	<u>Darkness</u>		
January-14	314	430	14	430
February-14	305	368	13	368
March-14	372	372	12	372
April-14	393	327	11	327
May-14	433	311	10	311
June-14	433	288	10	288
July-14	441	303	10	303
August-14	415	329	11	329
September-14	369	351	12	351
October-14	351	393	13	393
November-14	311	409	14	409
December-14	305	<u>439</u>	14	<u>439</u>
		4,320		4,320



CITY MANAGER'S OFFICE

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November 14, 2019

Debra A. Howland, Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

**Re: Docket No. DE 19-xxx; Liberty Utilities (Granite State Electric) Corp.
Special Contract with the City of Lebanon**

On behalf of the City of Lebanon (the "City"), please consider this letter regarding the Special Contract No. NHPUC 2019-001 between Liberty and the City; confirming that the tariffed rate will not serve the City's needs, as required by Puc 1606.02(a)(5).

The Special Contract provides for the City to own LED streetlights, a provision that is not currently available to Liberty's street lighting customers is not in the Rate LED-2 tariff proposed in Liberty's current rate case, Docket No. DE 19-064. As described in the Special Contract, the "smart city" software that the City intends to use does not communicate with Liberty's systems. Therefore, a special contract is necessary for the City to own the LED street lights that it intends to deploy as part of its smart city program.

The City respectfully ask the Commission to approve the Special Contract pursuant to RSA 378:18-a.

DocuSigned by:

Shaun Mulholland

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Shaun Mulholland
City Manager

Cc; Michael Sheehan, Liberty Utilities