

EXHIBIT 2
INDICATIVE BID RANKING AT WHOLESALE
November 1, 2019 Request for Power Supply Proposals

EXHIBIT
7
DE 19-059

December 3, 2019 Initial Bid Prices (\$ / MWh) at Wholesale Delivery Point, Excluding cost of RPS Compliance													
100 % of NH Load Obligations													
Monthly Weighting													
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Average Price	Weighted Average Price	Weighted Avg Price vs. Min	Expected Bid based on Electric Forecast	2020 RPS Adder	Weighted Average Price with RPS	Weighted Average Price with RPS vs Min
Block A NH Large Default	Bidder A												
	Bidder B												
	Bidder C												
	Bidder D												
	Bidder E												
	Bidder F												
	Bidder G												
	Bidder H												
	Bidder I												
	Bidder J												
	Bidder K												
	Bidder L												
	Bidder M												
	Bidder N												
	Bidder O												
Monthly Weighting													
Block B NH Large Default	Bidder A												
	Bidder B												
	Bidder C												
	Bidder D												
	Bidder E												
	Bidder F												
	Bidder G												
	Bidder H												
	Bidder I												
	Bidder J												
	Bidder K												
	Bidder L												
	Bidder M												
	Bidder N												
	Bidder O												
Monthly Weighting													
Block C NH Small Default	Bidder A												
	Bidder B												
	Bidder C												
	Bidder D												
	Bidder E												
	Bidder F												
	Bidder G												
	Bidder H												
	Bidder I												
	Bidder J												
	Bidder K												
	Bidder L												
	Bidder M												
	Bidder N												
	Bidder O												

EXHIBIT 3
INDICATIVE BID RANKING AT RETAIL
WITHOUT RPS (¢/kWh)

November 1, 2019 Request for Power Supply Proposals											
December 3, 2019 Initial Bid Prices (¢ / kWh) at Retail Customer Meter, Excluding RPS Compliance											
100 % of NH Load Obligations											
Monthly Weighting											
		Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Average Price	Weighted Average Price	Weighted Avg Price vs. Min	
Block A	NH Large Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
		Monthly Weighting									
Block A	NH Large Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
		Monthly Weighting									
Block B	NH Small Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
		Notes:									
					per Load Data Services data was:						

EXHIBIT 5 **FINAL BID RANKING AT WHOLESALE**

November 1, 2019 Request for Power Supply Proposals																
December 10, 2019 Final Bid Prices (\$ / MWh) at Wholesale Delivery Point, Excluding cost of RPS Compliance																
100 % of NH Load Obligations																
Monthly Weighting																
		Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Average Price	Weighted Average Price	Weighted Avg Price vs. Min	% Change From Indicative	Expected Bid based on Electric Forecast		2020 RPS Adder	Weighted Average Price with RPS	Weighted Average Price with RPS vs Min
Block A	Bidder A															
	Bidder B															
	Bidder C															
	Bidder D															
	Bidder E															
	Bidder F															
	Bidder G															
	Bidder H															
	Bidder I															
	Bidder J															
	Bidder K															
	Bidder L															
	Bidder M															
	Bidder N															
	Bidder O															
Monthly Weighting																
Block B	Bidder A															
	Bidder B															
	Bidder C															
	Bidder D															
	Bidder E															
	Bidder F															
	Bidder G															
	Bidder H															
	Bidder I															
	Bidder J															
	Bidder K															
	Bidder L															
	Bidder M															
	Bidder N															
	Bidder O															
Monthly Weighting																
Block C	Bidder A															
	Bidder B															
	Bidder C															
	Bidder D															
	Bidder E															
	Bidder F															
	Bidder G															
	Bidder H															
	Bidder I															
	Bidder J															
	Bidder K															
	Bidder L															
	Bidder M															
	Bidder N															
	Bidder O															

EXHIBIT 6
FINAL BID RANKING AT RETAIL
WITHOUT RPS (¢/kWh)

November 1, 2019 Request for Power Supply Proposals											
December 10, 2019 Final Bid Prices (¢ / kWh) at Retail Customer Meter, Excluding RPS Compliance											
100 % of NH Load Obligations											
Monthly Weighting											
		Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Average Price	Weighted Average Price	Weighted Avg Price vs. Min	
Block A	NH Large Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
Block B	NH Large Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
Monthly Weighting											
Block C	NH Small Default	Bidder A									
		Bidder B									
		Bidder C									
		Bidder D									
		Bidder E									
		Bidder F									
		Bidder G									
		Bidder H									
		Bidder I									
		Bidder J									
		Bidder K									
		Bidder L									
		Bidder M									
		Bidder N									
		Bidder O									
Notes:											
		per Load Data Services data was:									

EXHIBIT 13
RETAIL RATES BASED ON FINAL BID PRICES

November 1, 2019 Request for Power Supply Proposals							
		December 10, 2019 Final Bid Prices (\$ / MWh) at Wholesale Delivery Point, Excluding cost of RPS Compliance					
100 % of NH Load Obligations							Average Price
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	
NH Large DS							
NH Large DS							
NH Small DS							
		December 10, 2019 Final Bid Prices (¢ / kWh) at Retail Customer Meter, Including RPS Compliance					
100 % of NH Load Obligations							Weighted Average Price
	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	
NH Large DS	9.749	7.777	6.715				8.047
NH Large DS				5.868	5.246	5.790	5.634
NH Small DS	10.036	7.739	7.183	6.453	5.728	5.940	7.193

THE STATE OF NEW HAMPSHIRE
BEFORE THE
NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

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

Energy Service for the Period of February 1 – July 31, 2020

Docket No. DE 19-059

Revised Technical Statement of David B. Simek

December 18, 2019

A. Purpose of Technical Statement

On September 13, 2019, Liberty Utilities (Granite State Electric) Corp. (“Liberty” or “the Company”) filed its proposed timeline for the RFP for the Energy Service rate period of February 1 – July 31, 2020.

On December 10, 2019, the Company received final bids, as is discussed in John D. Warshaw’s testimony that is simultaneously being filed with this Technical Statement.

B. Rate Proposal

Liberty is proposing a fixed six-month Energy Service rate for the period of February 1 – July 31, 2020, for the Small Customer Group¹ based on a weighted average of the six monthly contract prices contained in the supply agreement with the winning Energy Service supplier for the Small Customer Group.

The Company is also proposing monthly Energy Service rates for the Large Customer Group² based on the six monthly contract prices contained in the supply agreement with the winning Energy Service supplier for the Large Customer Group.

1. RPS

The adder for RPS compliance will change effective February 1, 2020, from \$.00559 per kWh to \$.00711 per kWh for both the large and small customer classes. Mr. Warshaw further discusses the changes to RPS adder in his testimony.

2. Small Customer Group Total Rate

The Energy Service rate for the period of February 1 – July 31, 2020, for the Small Customer Group is \$.07193 per kWh, as calculated on Revised Schedule DBS-2.

¹ Customers taking service under Domestic Service Rate D; Domestic Service - Optional Peak Load Pricing Rate D-10; Outdoor Lighting Service Rate M; Limited Total Electrical Living Rate T; General Service Rate G-3; or Limited Commercial Space Heating Rate V of the Company’s Retail Delivery Tariff.

² Customers taking service under General Long-Hour Service Rate G-2 or General Service Time-Of-Use Rate G-1 of the Company’s Retail Delivery Tariff.

3. Large Customer Group Total Rate

The Energy Service rates for the period of February 1 – July 31, 2020, for the Large Customer Group are calculated on Revised Schedule DBS-1 and are as follows:

	<u>Large Customer Group</u>					
	<u>February-20</u>	<u>March-20</u>	<u>April-20</u>	<u>May-20</u>	<u>June-20</u>	<u>July-20</u>
Base ES Rate	\$0.09599	\$0.07627	\$0.06565	\$0.05718	\$0.05096	\$0.05640
ESAF	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)
ESCRAF	\$0.00261	\$0.00261	\$0.00261	\$0.00261	\$0.00261	\$0.00261
<u>RPS</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>
Total	\$0.09749	\$0.07777	\$0.06715	\$0.05868	\$0.05246	\$0.05790

C. Bill Impacts

As shown in Schedule DBS-3, for a residential customer taking Energy Service using 650 kWh per month, the total bill impact of the proposed rate in this filing, as compared to rates effective today, is a bill decrease of \$3.36 per month, or 2.86 percent, from \$117.51 to \$114.15 per month.

Large Customer Group
Rates G-1 and G-2
Illustrative Weighted Average Energy Service Rates For Comparison Purposes Only
February 2020 - July 2020

REDACTED
Docket No. DE 19-059
Revised Schedule DBS-1 Rates
Page 1 of 1

Section 1: Percentage of Medium and Large C&I kWhs Attributable to Energy Service

1	September 2019 Medium and Large C&I Energy Service kWhs	9,338,511
2	September 2019 Total Medium and Large C&I kWhs	45,551,891
3	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	20.50%

Section 2: Projected Medium and Large C&I Default Service kWhs, February 2020 - July 2020

Section 2: Projected Medium and Large C&I Demand Service kWhs, February 2020 – July 2020								
	February	March	April	May	June	July	Total	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
4	Projected Total Company Medium and Large kWhs	38,901,445	41,394,506	41,305,731	44,263,370	47,338,250	51,775,110	264,978,411
5	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	<u>20.50%</u>	<u>20.50%</u>	<u>20.50%</u>	<u>20.50%</u>	<u>20.50%</u>	<u>20.50%</u>	
6	Projected Medium and Large C&I Energy Service kWhs	7,975,115	8,486,213	8,468,013	9,074,354	9,704,729	10,614,322	54,322,746

Section 3: Medium and Large C&I Default Service Load Weighting for February 2020 - July 2020

Section 18 Medium and Large C&I Base Default Service Cost Weighting for February 2020 - July 2020								
7	Projected Medium and Large C&I Energy Service kWhs	7,975,115	8,486,213	8,468,013	9,074,354	9,704,729	10,614,322	54,322,746
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Energy Service Rate (\$/kWh)	\$0.09599	\$0.07627	\$0.06565	\$0.05718	\$0.05096	\$0.05640	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00261	\$0.00261	\$0.00261	\$0.00261	\$0.00261	\$0.00261	
13	Renewable Portfolio Standard Adder (\$/kWh)	\$0.00711	\$0.00711	\$0.00711	\$0.00711	\$0.00711	\$0.00711	
14	Total Estimated Medium and Large C&I Energy Service Price per kWh	\$0.09749	\$0.07777	\$0.06715	\$0.05868	\$0.05246	\$0.05790	
15	Projected Medium and Large C&I Base Default Service Cost, February 2020 - July 2020	\$ 765,531	\$ 647,243	\$ 555,925	\$ 518,872	\$ 494,553	\$ 598,648	\$ 3,580,772
16	Weighted Average Medium and Large C&I Base Default Service Charge for February 2020 - July 2020							\$ 0.06591
17	Projected Medium and Large C&I Default Service Cost, February 2020 - July 2020	\$ 777,494	\$ 659,973	\$ 568,627	\$ 532,483	\$ 509,110	\$ 614,569	\$ 3,662,256
18	Weighted Average Medium and Large C&I Default Service Charge for February 2020 - July 2020							\$ 0.06741

- 1 Per Monthly Energy Service Revenue Reports (Rates G-1 and G-2)
- 2 Per Monthly Total Revenue Reports (Rates G-1 and G-2)
- 3 Line (1) + Line (2)
- 4 Per Company forecast for medium and large C&I rates (Rates G-1 and G-2)
- 5 Line (3)
- 6 Line (4) x Line (5)
- 7 Line (6)
- 8 Projected Wholesale Load divided by Projected Retail Load, rounded to five decimal places
- 9 Schedule JDW-2 Exhibit 5
- 10 Line (8) x Line (9) / 1000, truncated to five decimal places
- 11 Schedule DBS-5 Page 1, Line 6 (June 17, 2019 Filing)
- 12 Schedule DBS-6 Page 1, Line 5 (June 17, 2019 Filing)
- 13 Schedule JDW-2 Exhibit 11
- 14 Line (10) + Line (11) + Line (12) + Line (13)
- 15 Line (7) x Line (10)
- 16 Line (15) total + Line (7) total, truncated after 5 decimal places
- 17 Line (7) x Line (14)
- 18 Line (17) total + Line (7) total, truncated after 5 decimal places

Small Customer Group
(Rates D, D-10, G-3, M, T and V)
Based on Weighted Average Effective Energy Service Prices
February 2020 - July 2020

REDACTED
Docket No. DE 19-059
Revised Schedule DBS-2 Rates
Page 1 of 1

Section 1: Percentage of Residential and Small C&I kWhs Attributable to Energy Service

1	September 2019 Residential and Small C&I Energy Service kWhs	25,705,445
2	September 2019 Total Residential and Small C&I kWhs	<u>29,644,045</u>
3	Percentage of Residential and Small C&I Energy Service kWh to Total Residential & Small C&I kWh	86.71%

Section 2: Projected Residential and Small C&I Default Service kWhs, February 2020 - July 2020

	February	March	April	May	June	July	Total	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
4	Projected Total Company Residential and Small C&I kWhs	32,449,133	31,991,249	27,237,623	27,066,598	30,367,950	35,798,802	184,911,356
5	Percentage of Residential and Small C&I Energy Service kWh to Total Residential & Small C&I kWh	86.71%	86.71%	86.71%	86.71%	86.71%	86.71%	
6	Projected Residential and Small C&I Energy Service kWhs	28,137,841	27,740,792	23,618,748	23,470,446	26,333,170	31,042,462	160,343,458

Section 3: Residential and Small C&I Default Service Load Weighting for February 2020 - July 2020

7	Projected Residential and Small C&I Energy Service kWhs	28,137,841	27,740,792	23,618,748	23,470,446	26,333,170	31,042,462	160,343,458
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Residential and Small C&I Energy Service Rate (\$/kWh)	\$0.10020	\$0.07723	\$0.07167	\$0.06437	\$0.05712	\$0.05924	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	(\$0.00822)	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00127	\$0.00127	\$0.00127	\$0.00127	\$0.00127	\$0.00127	
13	Proposed Renewable Portfolio Standard Adder (\$/kWh)	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	<u>\$0.00711</u>	
14	Total Estimated Residential and Small C&I Energy Service Price per kWh	\$0.10036	\$0.07739	\$0.07183	\$0.06453	\$0.05728	\$0.05940	
15	Projected Residential and Small C&I Energy Service Base Cost, February 2020 - July 2020	<u>\$2,819,412</u>	<u>\$2,142,421</u>	<u>\$1,692,756</u>	<u>\$1,510,793</u>	<u>\$1,504,151</u>	<u>\$1,838,955</u>	<u>\$11,508,487</u>
16	Weighted Average Base Residential and Small C&I Energy Service Charge for February 2020 - July 2020							\$0.07177
17	Projected Residential and Small C&I Energy Service Cost, February 2020 - July 2020	<u>\$2,823,914</u>	<u>\$2,146,860</u>	<u>\$1,696,535</u>	<u>\$1,514,548</u>	<u>\$1,508,364</u>	<u>\$1,843,922</u>	<u>\$11,534,142</u>
18	Weighted Average Residential and Small C&I Energy Service Charge for February 2020 - July 2020							\$0.07193

- 1 Per Monthly Energy Service Revenue Reports (Rates D, D-10, G-3, M,T,V)
- 2 Per Monthly Total Revenue Reports (Rates D, D-10, G-3, M, T, V)
- 3 Line (1) + Line (2)
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