

Section I: Identification and contact information

Name of the provider of electricity:	<u>Liberty Utilites (Granite State Electric) Corp.</u>		
Name of report preparer:	<u>John D. Warshaw</u>		
Title:	<u>Manager, Electric Supply</u>		
Mailing address:	<u>15 Buttrick Road</u>		
Town/City:	<u>Londonderry</u>	State:	<u>NH</u> Zip Code: <u>03053</u>
Telephone:	<u>603-216-3564</u>		
E-mail address:	<u>john.warshaw@libertyutilities.com</u>		

Please enter values into the YELLOW highlighted cells ONLY.

Section II: RPS Obligation

Table 1: NH RPS Obligation Calculation

A.	Number of kilowatt-hours of electricity sold or delivered to New Hampshire end-use customers during the compliance year based on the end-use customer's meter.*	445,634,131
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* See Item 5 on the "Instructions" tab

Table 2: Certificates used for 2020 Compliance and Balance to be met by Alternative Compliance Payments

		Class I (Non-Thermal)	Class I Thermal	Class II	Class III	Class IV
B.	Minimum electric RPS obligation as provided in RSA 362-F:3	8.9%	1.6%	0.7%	2.0%	1.5%
C.	Total NH certificate obligation in MWh for each class ((A/1000) x B)	39,661	7,130	3,119	8,913	6,685
D.	Total net metering CREDIT for Class I (0.0060%) & Class II (0.5584%) of total 2020 electricity sales (in MWh)	27		2,488		
E.	Adjusted Total RPS Obligation in MWh (RECs) for each class = RPS Obligation less Net Metering Credit (C-D)	39,634	7,130	631	8,913	6,685
F.	2020 Vintage GIS certificates purchased or acquired for 2020-2022 compliance by class (MWh)	35,201	1,527	2,000	35,497	6,064
G.	2020 Vintage GIS certificates <i>used for 2020 compliance</i> in their original class (e.g. Class II RECs used for Class II compliance)	35,201	1,527	560	8,419	6,064
H.	2020 Vintage Class II certificates used to comply with Class I requirement IF ANY.	0				
I.	Certificates banked from the 2018 compliance year used for 2020 compliance in original class (e.g. Class II RECs used for Class II compliance)	0	0	0	0	0
J.	Banked 2018 Vintage Class II certificates used to comply with 2020 Class I requirement IF ANY.	0				
K.	Certificates banked from 2019 compliance year used for 2020 compliance in original class (e.g. Class II RECs used for Class II compliance)	1,493	261	71	494	48
L.	Banked 2019 Vintage Class II certificates used to comply with 2020 Class I requirement IF ANY.	0				
M1.	Total Banked RECs by Class	1,493	261	71	494	48
M2.	Maximum allowed use of banked RECs per Class is 30% of Class requirement.	11,890	2,139	189	2,674	2,006
M3.	Compare Total Banked RECs to Maximum Allowed. OK or Error?	OK	OK	OK	OK	OK
M4.	Total eligible banked certificates to be used by class (minimum of M1, M2)	1,493	261	71	494	48
N.	Total certificates used for RPS compliance in 2020 by class including net metering credit for Class I and Class II (D+G+H+M4). Should be less than or equal to Row C.	36,721	1,788	3,119	8,913	6,112
O.	Balance of NH RPS obligations to be met with alternative compliance payments by class (C - N)	2,940	5,342	0	0	573

Table 3: Alternative Compliance Payments due to New Hampshire State Treasurer

		Class I (Non-Thermal)	Class I Thermal	Class II	Class III	Class IV
P.	NH RPS Obligation to be met with Alternative Compliance Payments (ACPs) by class	2,940	5,342	0	0	573
Q.	2020 ACP rate by class as set by the Commission in accordance with RSA 362-F:10, III	\$57.61	\$26.18	\$57.61	\$34.54	\$29.06
R.	Dollar amount of ACP for the compliance year by class (P x Q)	\$169,373.40	\$139,853.56	\$0.00	\$0.00	\$16,651.38

The total Alternative Compliance Payment (ACP) amount due is	\$325,878.34
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This amount shall be paid by electronic transfer or by check.

Please contact Juli Pelletier at julianne.pelletier@puc.nh.gov or (603) 271-2431 for information on electronic payment transfers.

Please submit checks payable to "N.H. Public Utilities Commission" to:

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

RPS Supporting Documentation

1. **Sales Data:** If you are a registered CEPS, have you attached supporting documentation for annual end-use customer meter sales data used in Table 1?

YES NO (If NO, such documentation **MUST** be submitted to the Commission **prior to July 31, 2021.**)

2. **NEPOOL GIS Renewable Energy Certificates:** Have you attached all quarterly NEPOOL GIS reports titled "My Settled Certificates Disposition" that contain the final number of certificates, and corresponding serial numbers, retired in New Hampshire for this compliance year?

YES NO (If NO, these reports **MUST** be submitted to the Commission **prior to July 31, 2021.**)

Table 4: Certificates to be banked for Future Compliance Years

		Class I (Non-Thermal)	Class I Thermal	Class II	Class III	Class IV
S.	2019 vintage certificates to be banked for future compliance years by class (MWh)					
T.	2020 vintage certificates to be banked for future compliance years by class (MWh)			1440	27078	
U.	Total banked certificates for future compliance years by class (S+T) (MWh)	0	0	1440	27078	0

Table 5: Total Costs incurred for purchased Certificates for 2020 Compliance

		Class I (Non-Thermal)	Class I Thermal	Class II	Class III	Class IV
V.	Total costs incurred for the purchase of 2020 vintage certificates purchased or acquired for current (2020) or future (2020-2021) compliance (cost of row F)	\$1,528,641	\$37,746	\$94,000	\$1,651,605	\$155,651
W.	Total costs incurred for the purchase of 2018 vintage certificates used for 2020 compliance by class (cost of line I+J)					
X.	Total costs incurred for the purchase of 2019 vintage certificates used for 2020 compliance by class (cost of line K+L)	\$21,769	\$6,301	\$3,053	\$10,751	\$1,316

Table 6: Non-RPS Renewable Energy Certificates

	Name of Non-RPS Program/Green Power Product/GIS Sub-Account	Total Electricity Sold in Calendar 2020 for each Non-RPS Pgm	Total Class I RECs used to fulfill the Non-RPS REC Pgm	Total Class II RECs used to fulfill the Non-RPS REC Pgm.
1				
2				
3				
4				
5				
6				

Non-RPS Supporting Documentation

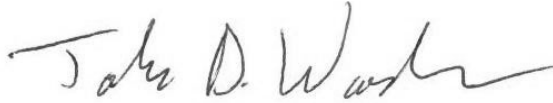
1. **Non-RPS/Green Power Product NEPOOL GIS Renewable Energy Certificates:** Have you attached all quarterly NEPOOL GIS reports titled "My Settled Certificates Disposition" or other supporting documentation that contain the final number of certificates, and corresponding serial numbers, used to support non-RPS program or green power product marketing claims for the compliance year?

___ YES ___ NO (If NO, these reports MUST be submitted to the Commission **prior to July 31, 2021.**)

Section III: Required Signatures

I attest under penalty of perjury that I have examined the information submitted in this RPS Compliance Report and all attachments hereto and, based on my inquiry of those individuals immediately responsible for obtaining the information, that the information is accurate to the best of my knowledge and belief.

I understand that the Commission has the right to audit this report to verify its accuracy.



Signature

June 28, 2021

Date

John D Warshaw

Name

Manager, Electric Supply

Title

Please mail or e-mail the completed filing, including evidence that electronic payment has been made to the **N. H. State Treasurer** or mail a check to the following address:

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

email submissions to: deandra.perruccio@puc.nh.gov

If you have any questions about this form, please contact Deandra Perruccio at (603) 271-6079 or deandra.perruccio@puc.nh.gov.

If you have any questions regarding the submission of Alternative Compliance Payments, please contact **Juli Pelletier at julianne.pelletier@puc.nh.gov or (603) 271-2431.**

John Warshaw

From: Lefebvre, Susan <Susan.J.Lefebvre@puc.nh.gov>
Sent: Monday, June 28, 2021 2:02 PM
To: John Warshaw
Subject: RE: FW: ACP

Hi John,
Yes, we have received your payment on 6/25/21, thank you.

Regards,

Susan

Susan J Lefebvre

Accountant II-Business Office
NH Public Utilities Commission
21 S Fruit St
Concord, NH 03301
Susan.J.Lefebvre@puc.nh.gov
Hours M-F 7:30 AM-3:30PM
603-271-6078

From: John Warshaw <John.Warshaw@libertyutilities.com>
Sent: Monday, June 28, 2021 10:06 AM
To: Lefebvre, Susan <Susan.J.Lefebvre@puc.nh.gov>
Subject: RE: FW: ACP

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Is the note that it was sent ok for the 2500 report?

John Warshaw | Liberty Utilities (New Hampshire) | Manager, Electric Supply
P: 603-216-3564 | C: 603-475-6936 | E: John.Warshaw@libertyutilities.com

From: Lefebvre, Susan [<mailto:Susan.J.Lefebvre@puc.nh.gov>]
Sent: Monday, June 28, 2021 9:55 AM
To: John Warshaw <John.Warshaw@libertyutilities.com>
Cc: PUC - Business Office Group <PUC-BusinessOfficeGroup@nh.gov>
Subject: RE: FW: ACP

Waiting to hear from our Treasury Department, Once I do, I will let you know.

Regards,

Susan

Susan J Lefebvre

Accountant II-Business Office
NH Public Utilities Commission
21 S Fruit St
Concord, NH 03301
Susan.J.Lefebvre@puc.nh.gov
Hours M-F 7:30 AM-3:30PM

603-271-6078

From: John Warshaw <John.Warshaw@libertyutilities.com>
Sent: Monday, June 28, 2021 9:53 AM
To: Lefebvre, Susan <Susan.J.Lefebvre@puc.nh.gov>
Cc: PUC - Business Office Group <PUC-BusinessOfficeGroup@nh.gov>
Subject: RE: FW: ACP

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Susan

Has the NH-PUC received the ACP payment?

An EFT payment (EFT000000034003) was made to NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION on 6/24/2021 for the amount of 325878.34, in payment for the following invoice(s):

**PUC
RENEWABLE 6/22/2021 325878.34
2021**

John

John Warshaw | Liberty Utilities (New Hampshire) | Manager, Electric Supply
P: 603-216-3564 | C: 603-475-6936 | E: John.Warshaw@libertyutilities.com

From: Lefebvre, Susan [<mailto:Susan.J.Lefebvre@puc.nh.gov>]
Sent: Tuesday, June 22, 2021 1:53 PM
To: John Warshaw <John.Warshaw@libertyutilities.com>
Subject: RE: FW: ACP

Hi John,

Just received your voice mail, You can let this email know when you make the payment PUC-BusinessOfficeGroup@nh.gov so we can keep an eye out for it, that would be great, thank you!

Susan J Lefebvre

Accountant II-Business Office
NH Public Utilities Commission
21 St Fruit St, Suite 10
Concord, NH 03301
603-271-6078
susan.j.lefebvre@puc.nh.gov

From: John Warshaw <John.Warshaw@libertyutilities.com>
Sent: Tuesday, June 22, 2021 12:05 PM
To: Lefebvre, Susan <Susan.J.Lefebvre@puc.nh.gov>
Subject: RE: FW: ACP

EXTERNAL: Do not open attachments or click on links unless you recognize and trust the sender.

Third time a charm. BTW, the "Click Here" does not work. I took a guess and clicked on the "Secure Message..." attachment and that worked just fine. Don't you just love progress?

Thanks
John

John Warshaw | Liberty Utilities (New Hampshire) | Manager, Electric Supply
P: 603-216-3564 | C: 603-475-6936 | E: John.Warshaw@libertyutilities.com

From: Lefebvre, Susan [<mailto:Susan.J.Lefebvre@puc.nh.gov>]
Sent: Tuesday, June 22, 2021 11:52 AM
To: John Warshaw <John.Warshaw@libertyutilities.com>
Subject: FW: FW: ACP



**State of
New Hampshire**



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My Certificates Disposition Report; Account Holder ID: 13626; From '2020/Q1' to '2020/Q4'. Print date:

Table with columns for status, date, generation, account ID, service type, location, REC ID, REC name, amount, type, and multiple columns for Yes/No/Yes/No/Yes/No/Yes/No. Contains approximately 200 rows of data.

Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12504	REC-NH-Erfael Ina Mahogany	5347319 - 1 to 2	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12478	REC-NH-Michèle Chalée	5367740 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12736	REC-NH-Mark Dengard	534561 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12715	REC-NH-David & Janet G Iman	5357187 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12721	REC-NH-Zuzanne Danton	5355447 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON12718	REC-NH-Town of Webster	5357841 - 1 to 4	4	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127344	REC-NH-Shawn Kelly	5646873 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127370	REC-NH-Pip Vicosa	5646872 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127541	REC-NH-Timothy Clamont	5330440 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127463	REC-NH-James & Jane Kolins	5646870 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127423	REC-NH-Michael Mangin	5646875 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127799	REC-NH-Jeremy Esten	5346429 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127849	REC-NH-Jeff Malloy and Sara Vitolo	5352869 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127874	REC-NH-Jedi Shales	5327747 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127938	REC-NH-Peter & Martha Boyd	5359425 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127975	REC-NH-Shelley Turner	5352384 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127967	REC-NH-Deborah Amirtham	5352384 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127971	REC-NH-Melodie Fay	5350009 - 1 to 6	6	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127968	REC-NH-Matthew Angers	5346589 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON127977	REC-NH-Peter Mularen	5356309 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128039	REC-NH-Sankrishnan Srivivasan	5344085 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128180	REC-NH-David Smith	5342066 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128077	REC-NH-Peter Yarensky	5338133 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128432	REC-NH-James Ia	5344581 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128477	REC-NH-Robert Renshaw	5344581 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128576	REC-NH-Jonathan Harrington	5348951 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128669	REC-NH-Paul Veigneau	5329494 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128695	REC-NH-Joseph Magner	5353000 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128763	REC-NH-John Chadwick	5336009 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON128845	REC-NH-David and April Rau	5346029 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129010	REC-NH-David Schmidt	5331454 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129676	REC-NH-Mark Sherwood	537640 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129679	REC-NH-David Kehas	5350120 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129728	REC-NH-Lanester P Hitchman	5345244 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129763	REC-NH-Jennifer and Christine Maloney	5338125 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129976	REC-NH-Robert Stanley	5368093 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON129987	REC-NH-Doug Proso	5355739 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130030	REC-NH-Samantha Ieva	5366547 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130033	REC-NH-Ruby Bazemans	5324236 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130076	REC-NH-James Valiquet	534323 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130077	REC-NH-Dominic Vigliano	5361576 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130078	REC-NH-Kent Baughn	5331206 - 1 to 2	2	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130099	REC-NH-Edward Myrona	5333466 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130082	REC-NH-Gary Labrosse	5342438 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130209	REC-NH-Kyston Management	5333234 - 1 to 5	5	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130264	REC-NH-Renee Line Construction	5338121 - 1 to 3	3	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130278	REC-NH-Leonard Serapas	5347228 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130160	REC-NH-Richard McDermott	5329845 - 1 to 1	1	No	No	Yes	No	No	No	No
Settled	2020/Q3	2020/Q3	Generation	35886	Small CG Default Service	NH	2020/07	NON130157	REC-NH-Four Seasons Aquaponics	5362992 - 1 to 2	2	No	No	Yes	No	No	No	No

My Certificates Disposition Report; Account Holder ID: 13626; From '2020/Q1' to '2020/Q4'. Print date:

Table with columns: Status, Date, Generation, ID, Service, Name, Address, City, State, ZIP, and various performance metrics (No, Yes, No, No, Yes, No, No).

My Certificates Disposition Report; Account Holder ID: 13626; From '2020/Q1' to '2020/Q4'. Print date:

Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-11	NON46091	REC-NH-Thermal Mike Krinsky	5650921 - 1 to 4	Geothermal	4	No	Yes	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	ME	2020-12	MSS14665	RECORD HILL WIND	5983349 - 414 to 1162	Wind	749	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	ME	2020-12	MSS14665	RECORD HILL WIND	5983349 - 7404 to 7969	Wind	566	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	ME	2020-12	MSS38173	SADDLEBACK RIDGE WIND	5983233 - 1126 to 1343	Wind	218	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	ME	2020-12	MSS38173	SADDLEBACK RIDGE WIND	5983233 - 5068 to 5635	Wind	568	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	ME	2020-12	MSS38173	SADDLEBACK RIDGE WIND	5983233 - 6674 to 7195	Wind	522	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS49405	SFP&L HYDRO	5704017 - 1 to 62	Hydroelectric/Hydropower	62	No	No	No	No	No	Yes
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS49693	LOWER VILLAGE	5657714 - 1 to 625	Hydroelectric/Hydropower	625	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	MA	2020-12	MSS68467	HOLIDAY HILL COMMUNITY WIND	5983202 - 278 to 1411	Wind	1134	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS891	H LLSBORO MILLS	5667340 - 1 to 226	Hydroelectric/Hydropower	226	No	No	No	No	No	Yes
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS897	OLD NASH DAM	5695868 - 1 to 67	Hydroelectric/Hydropower	67	No	No	No	No	No	Yes
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS919	HOPKINTON HYDRO	5669660 - 61 to 111	Hydroelectric/Hydropower	51	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS919	HOPKINTON HYDRO	5982181 - 10 to 22	Hydroelectric/Hydropower	13	No	No	No	No	No	Yes
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	MSS919	HOPKINTON HYDRO	5983812 - 23 to 60	Hydroelectric/Hydropower	38	Yes	No	No	No	No	No
Settled	2020/Q4	Generation	35386	Small CG Default Service	NH	2020-12	NON46091	REC-NH-Thermal Mike Krinsky	5663244 - 1 to 4	Geothermal	4	No	Yes	No	No	No	No

**Attachment 2
2020 REC Contracts**

Liberty Utilities (Granite State Electric) Corp. RPS Certificate Purchase Agreements

Contract Date	Counterparty	Class	Vintage	Quarter	Type	RECs	Price	Contracted Obligation
1/2/2020	Knollwood Energy CII	Class II	2020	Q1-2020	Firm			
1/2/2020	Knollwood Energy CIV	Class IV	2020	Q1-2020	Firm			
1/8/2020	WES Energy and Environment	Class I Thermal	2020	Q1-2020	Firm			
1/14/2020	Yale University	Class I	2020	Q1-2020	Firm			
7/10/2020	Centennial Hydro	Class IV	2020	Q1-2020	Firm			
7/10/2020	Bridgewater Power Company	Class III	2020	Q1-2020	Firm			
7/16/2020	Ashuelot River Hydro C!	Class I	2020	Q1-2020	Non Firm			
7/16/2020	Ashuelot River Hydro CIV	Class IV	2020	Q1-2020	Non Firm			
7/16/2020	Marlow Hydro LLC	Class IV	2020	Q1-2020	Non Firm			
7/16/2020	Contocook Hydro CI	Class I	2020	Q1-2020	Non Firm			
7/16/2020	Contocook Hydro CIV	Class IV	2020	Q1-2020	Non Firm			
7/24/2020	Engie Energy Marketing	Class III	2020	Q1-2020	Firm			
2/22/2021	Knollwood Energy CI Thermal	Class I Thermal	2020	Q4-2020	Firm			
6/3/2021	3Degrees	Class I	2020	Q4-2020	Firm			
					Total REC s	80,289	Total Cost	\$ 3,467,642

	2021 Liberty NH RPS Obligation Summary					2022 Liberty NH RPS Obligation Summary				
Retail Sales:	455,347 MWhs					455,347 MWhs				
	Class I	Class 1 Thermal	Class II	Class III (2)	Class IV	Class I	Class 1 Thermal	Class II	Class III (2)	Class IV
Banked From Previous Year			1,440	27,078			204	2,596	16,150	922
RPS Obligation %	9.60%	1.80%	0.70%	8.00%	1.50%	10.30%	2.00%	0.70%	8.00%	1.50%
REC Obligation	43,713	8,196	3,187	36,428	6,830	46,901	9,107	3,187	36,428	6,830
Net Meter Credit % (1)	0.0060%		0.5584%			0.0060%		0.5584%		
Net Meter Credit	28		2,543			28		2,543		
RECs Under Contract	10,000	8,400	1,800	-	7,752	27,500	5,200	-	-	3,100
RECs Delivered	-	8,400	-	-	3,898	-	-	-	-	-
REC Shortage or Excess	(33,685)	204	2,596	(25,500)	922	(19,373)	(3,703)	1,952	(25,500)	(2,808)
Class III Banked RECs to be Used				10,928					10,928	
To Be Banked		204	2,596	16,150	922				5,221	

(1) Net Meter Credit % available February 2022
 (2) Up to 30% of Class III obligation may be met by Banked Class III RECs

Remaining Class III RECs Unused	5,221
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	2021 Liberty NH RPS Obligation Summary					2022 Liberty NH RPS Obligation Summary				
	Class I	Class 1 Thermal	Class II	Class III (4)	Class IV	Class I	Class 1 Thermal	Class II	Class III (4)	Class IV
2020 Banked Value	\$ -	\$ -	\$ 67,680	\$ 935,274	\$ -				\$ 557,807	
2020 Banked to be Used	\$ -	\$ -	\$ -	\$ 377,467	\$ -				\$ 377,467	
Contracted	\$ 320,000	\$ 216,300	\$ 84,600	\$ -	\$ 178,388	\$ 1,038,000	\$ 135,200	\$ -	\$ -	\$ 82,150

(4) Based on ACP value and not purchase cost

Remaining Class III REC Value	\$ 180,340
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**Attachment 4
2021 & 2022 REC Contracts
Liberty Utilities (Granite State Electric) Corp. RPS Certificate Purchase Agreements**

Contract Date	Counterparty	Class	Vintage	Quarter	Type	RECs	Price	Contracted Obligation
2/22/2021	Knollwood Energy CII	Class II	2021	Q1-2021	Firm			
2/22/2021	Contoocook Hydro CIV	Class IV	2021	Q1-2021	Non Firm			
2/24/2021	Centennial Hydro	Class IV	2021	Q1-2021	Firm			
2/25/2021	Marlow Hydro LLC	Class IV	2021	Q1-2021	Non Firm			
2/25/2021	Ashuelot River Hydro B	Class IV	2021	Q1-2021	Non Firm			
7/7/2021	Centennial Hydro B	Class IV	2021	Q1-2021	Firm			
7/12/2021	WES Energy and Environment	Class I Thermal	2021	Q1-2021	Firm			
7/16/2021	Ashuelot River Hydro C	Class IV	2021	Q1-2021	Non Firm			
7/30/2021	Great River Hydro	Class I	2021	Q1-2021	Non Firm			
1/19/2022	WES Energy and Environment B	Class I Thermal	2021	Q3-2021	Firm			
					Total REC s	27,952	Total Cost	\$ 799,288
1/12/2022	Centennial Hydro	Class IV	2022	Q1-2022	Non Firm			
1/12/2022	Contoocook Hydro	Class I	2022	Q1-2022	Non Firm			
1/18/2022	Marlow Hydro LLC	Class IV	2022	Q1-2022	Non Firm			
1/18/2022	Great River Hydro A	Class I	2022	Q1-2022	Firm			
1/18/2022	Great River Hydro B	Class I	2022	Q1-2022	Non Firm			
1/19/2022	WES Energy and Environment	Class I Thermal	2022	Q1-2022	Firm			
					Total REC s	35,800	Total Cost	\$ 1,255,350