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September 3, 2020

VIA FIRST CLASS MAIL & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 5005 – 2020 Annual Retail Rate Filing
Response to PUC Data Requests – Set 3**

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid (National Grid or the Company), enclosed, please find an electronic version of the Company's responses to the Public Utilities Commission Third Set of Data Requests in the above-referenced matter.

Thank you for your attention to this matter. If you have any questions, please contact me at (401) 709-3337.

Sincerely,



Leticia C. Pimentel

Enclosure

cc: Docket 5005 Service List
John Bell, Division
Leo Wold, Esq.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

Leticia Pimentel

Leticia Pimentel, Esq.

September 3, 2020
Date

**National Grid – 2020 Annual Retail Rate Filing - Docket No. 5005
Service List Updated 2/14/2020**

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PUC 3-1

Request:

Referencing National Grid's response to PUC 1-1:

- a. Please provide a row for the totals of each column in the data response.
- b. If a traditional net metering customer had year-over-year negative bill totals, representing a bank of credit, would that bank of credit be included in the revenue requirement calculation for the net metering charge, or any other charge? Or, would it be collected when the customer has positive charges against which the bank of credit is applied?
- c. Does National Grid know if these negative balances were accumulated over multiple years? If so, does National Grid have a record over which calendar years these negative bill credits were accumulated? If so, please provide a breakdown of the total generation and dollar value provided in part a by year.
- d. How many of these kilowatt-hours and what dollar amount was included in the various proposed charges in the current filing? If this information cannot be deduced, please explain why.
- e. Does National Grid believe the reported negative bill credits represent generation in excess of 100% of the net metering customer's own consumption? If so, please explain if National Grid has reduced the applied net metering credit consistent with the Net Metering tariff. If not, please explain why not.
- f. Does National Grid believe the reported negative bill credits represent generation in excess of 125% of the net metering customer's own consumption? If so, please explain if National Grid has reduced the applied net metering credit consistent with the Net Metering tariff. If not, please explain why not.

Response:

- a. Please see Page 15 of Attachment PUC 3-1, for the totals of each column.
- b. Net metering credits on a customer's account are accumulated over the course of the calendar year and are recovered through the following year's net metering charge. Whether a customer's account has a credit balance (banked credit) or not does not determine how net metering credits provided in the aggregate to all net metering customers each calendar year are recovered. Banked credits have been allowed to be carried forward while the Company determines the best way to: a) notify the customer of their banked credit; b) determine if application of a Schedule B for a one time transfer is appropriate; c) allow a new Schedule B to be completed to prevent future banking of credits; and d) initiate the changes in the Company's billing system to allocate future credits, if changes to the Schedule B are made.

PUC 3-1, page 2

- c. Please see below summary table for cumulative carryover of sum of the months where there was no excess generation (+ve) & the months where we had excess generation (-ve) meter reads representing if there was any carryover from one calendar year to the next calendar year.

<i>Calendar Year</i>	<i>Sum of +ve & -ve meter reads for the billed kWh</i>	<i>Cumulative carryover NM Credits</i>
2017	1,446,319	\$0
2018	1,268,576	\$0
2019	-695,924	(\$276,931)

- d. As stated in response to part (b), the Company recovers the net metering credits associated with exported kWh which occurred in each billing month of calendar year 2019 in the net metering charge that became effective on April 1, 2020.
- e. Based on the value of net metering credits provided in Attachment PUC 1-1, column E, divided by the estimated annual generation, column I, the Company believes that 538 systems generated an excess of 100% of the customer’s own consumption. This method employs the best available data for estimating annual generation, however, it is data from the time of the system’s interconnection application compared to recent actual generation data. Systems with less than 12 months of generation in CY 2019 are marked not applicable. Without 12 months of history (column G), the Company cannot say for certain whether these customers have generated more than they use in a year.
- f. A total of 183 systems (of the 538 systems referenced in part (e)) also generated an excess of 125% of the customer’s estimated annual consumption in CY 2019. Three-hundred fifty-five net metering systems generated between 100% and 125% excess credits.

(A) Account Number	(B) Net balance December 2019 Bill	(C) Name Plate Capacity (kW AC)	(D) Fuel Type	(E) Volume of Net Metering Credits kWh (Sum of -ve meter reads only)	(F) Value of NM Credits (Sum of NM credits associated with Column (E))	(G) At least 12 months info in 2019?	(H) Volume Total Net kWh for CY 2019 (sum of +ve & -ve meter reads for CY 19)	(I) Estimated Generation kWh (Name plate AC * 14% * 8760)	(J) Over 100% of Estimated Generation?	(K) Over 125% of Estimated Generation?
1	(\$84.66)	3.6	Solar	(5,170)	(\$726.50)	NO	(5,408)	4,415	Not Applicable	Not Applicable
2	(\$740.52)	0.4	Solar	(1,164)	(\$149.62)	YES	(952)	527	Yes	Yes
3	(\$30.26)	3.9	Solar	(5,686)	(\$900.96)	YES	(5,682)	4,746	Yes	Yes
4	(\$82.41)	3.1	Solar	(7,818)	(\$1,293.80)	NO	(7,669)	3,777	Not Applicable	Not Applicable
5	(\$31.25)	5.0	Solar	(7,223)	(\$1,044.65)	YES	(6,839)	6,132	Yes	Yes
6	(\$85.50)	10.0	Solar	(14,305)	(\$2,287.05)	YES	(14,307)	12,264	Yes	Yes
7	(\$192.80)	5.0	Solar	(7,374)	(\$2,427.48)	YES	(7,320)	6,132	Yes	Yes
8	(\$80.72)	6.0	Solar	(8,708)	(\$1,449.88)	YES	(8,598)	7,358	Yes	Yes
9	(\$44.35)	6.8	Solar	0	\$0.00	YES	8,797	8,278	No	No
10	(\$108.22)	7.6	Solar	0	\$0.00	YES	11,667	9,321	No	No
11	(\$52.85)	3.2	Solar	0	\$0.00	YES	7,312	3,863	No	No
12	(\$274.00)	2.5	Solar	0	\$0.00	YES	7,241	3,066	No	No
13	(\$1,172.29)	3.6	Solar	0	\$0.00	YES	5,870	4,415	No	No
14	(\$151.83)	3.0	Solar	0	\$0.00	YES	6,509	3,679	No	No
15	(\$97.88)	13.6	Solar	0	\$0.00	YES	18,744	16,679	No	No
16	(\$638.32)	5.7	Solar	0	\$0.00	YES	11,734	6,990	No	No
17	(\$62.86)	3.6	Solar	(20)	\$0.00	YES	6,848	4,415	No	No
18	(\$68.53)	6.0	Solar	(78)	(\$4.57)	YES	9,871	7,358	No	No
19	(\$242.96)	2.8	Solar	(31)	\$0.00	YES	1,167	3,373	No	No
20	(\$7.11)	7.7	Solar	(73)	\$0.00	YES	4,248	9,492	No	No
21	(\$412.40)	9.8	Solar	(384)	(\$56.04)	YES	13,289	12,019	No	No
22	(\$129.32)	3.6	Solar	(90)	(\$5.64)	YES	2,422	4,415	No	No
23	(\$820.79)	6.6	Solar	(264)	(\$27.59)	YES	3,525	8,094	No	No
24	(\$527.16)	6.6	Solar	(367)	(\$44.99)	YES	11,041	8,094	No	No
25	(\$146.81)	7.6	Solar	(395)	(\$37.32)	YES	3,870	9,321	No	No
26	(\$12.54)	5.0	Solar	(404)	(\$32.16)	YES	2,140	6,132	No	No
27	(\$367.00)	11.0	Solar	(754)	(\$85.66)	YES	4,085	13,490	No	No
28	(\$488.78)	7.6	Solar	(508)	(\$59.29)	YES	3,500	9,321	No	No
29	(\$25.34)	5.9	Solar	(929)	(\$120.45)	YES	281	7,211	No	No
30	(\$169.49)	12.0	Solar	(1,389)	(\$218.31)	YES	6,090	14,717	No	No
31	(\$2.60)	6.5	Solar	(708)	(\$82.82)	YES	1,465	7,910	No	No
32	(\$8.33)	5.0	Solar	(883)	(\$117.43)	YES	934	6,132	No	No
33	(\$23.79)	5.0	Solar	(807)	(\$106.33)	YES	3,263	6,132	No	No
34	(\$43.15)	9.9	Solar	(1,177)	(\$158.49)	YES	1,049	12,166	No	No
35	(\$520.59)	7.2	Solar	(354)	(\$49.03)	YES	2,660	8,830	No	No
36	(\$287.03)	10.0	Solar	(2,800)	(\$434.96)	YES	12,880	12,264	No	No
37	(\$16.28)	3.8	Solar	(495)	(\$66.65)	NO	194	4,660	Not Applicable	Not Applicable
38	(\$141.83)	7.6	Solar	(1,801)	(\$265.29)	NO	(1,238)	9,321	Not Applicable	Not Applicable
39	(\$302.40)	7.6	Solar	(1,565)	(\$228.63)	YES	3,441	9,321	No	No
40	(\$376.14)	8.0	Solar	(866)	(\$116.47)	YES	3,490	9,811	No	No
41	(\$93.82)	7.6	Solar	(993)	(\$121.10)	YES	1,422	9,321	No	No
42	(\$35.33)	3.0	Solar	(740)	(\$102.35)	YES	444	3,679	No	No
43	(\$28.98)	6.0	Solar	(993)	(\$113.33)	YES	(204)	7,358	Yes	No
44	(\$18.85)	10.0	Solar	(583)	(\$75.52)	YES	5,097	12,264	No	No
45	(\$37.72)	14.2	Solar	(2,157)	(\$326.54)	YES	1,854	17,415	No	No
46	(\$54.52)	5.0	Solar	(801)	(\$117.59)	NO	(394)	6,132	Not Applicable	Not Applicable
47	(\$12.15)	4.2	Solar	(916)	(\$110.66)	YES	1,502	5,151	No	No

48	(\$111.75)	7.6	Solar	(1,217)	(\$153.37)	YES	(791)	9,321	Yes	No
49	(\$18.40)	3.8	Solar	(815)	(\$92.81)	YES	236	4,660	No	No
50	(\$123.35)	6.6	Solar	(1,092)	(\$155.16)	YES	615	8,094	No	No
51	(\$189.26)	11.4	Solar	(2,086)	(\$341.58)	YES	249	13,981	No	No
52	(\$370.07)	6.5	Solar	(720)	(\$103.54)	YES	522	7,910	No	No
53	(\$18.65)	3.8	Solar	(879)	(\$90.34)	YES	(35)	4,660	Yes	No
54	(\$26.88)	10.4	Solar	(1,759)	(\$275.96)	YES	82	12,755	No	No
55	(\$2.52)	5.0	Solar	(881)	(\$96.01)	NO	52	6,132	Not Applicable	Not Applicable
56	(\$63.21)	6.0	Solar	(720)	(\$94.50)	YES	3,560	7,358	No	No
57	(\$96.93)	19.4	Solar	(4,357)	(\$684.93)	YES	572	23,792	No	No
58	(\$981.33)	10.4	Solar	(1,618)	(\$260.25)	YES	(160)	12,755	Yes	No
59	(\$4.27)	5.0	Solar	(877)	(\$109.45)	YES	(131)	6,071	Yes	No
60	(\$1.70)	5.0	Solar	(908)	(\$117.32)	YES	(178)	6,132	Yes	No
61	(\$17.44)	3.0	Solar	(621)	(\$42.19)	YES	(424)	3,679	Yes	No
62	(\$9.14)	5.8	Solar	(967)	(\$139.34)	YES	246	7,064	No	No
63	(\$14.28)	3.8	Solar	(683)	(\$86.48)	YES	(102)	4,660	Yes	No
64	(\$61.90)	6.0	Solar	(1,406)	(\$213.66)	YES	697	7,358	No	No
65	(\$27.09)	6.8	Solar	(1,447)	(\$186.64)	NO	599	8,340	Not Applicable	Not Applicable
66	(\$16.37)	10.0	Solar	(2,168)	(\$329.37)	YES	768	12,264	No	No
67	(\$11.77)	3.0	Solar	(800)	(\$85.51)	YES	(4)	3,679	Yes	No
68	(\$114.71)	3.6	Solar	(1,043)	(\$152.42)	YES	(686)	4,464	Yes	No
69	(\$36.26)	5.2	Solar	(1,028)	(\$124.18)	YES	(368)	6,377	Yes	No
70	(\$13.16)	11.4	Solar	(2,137)	(\$336.87)	YES	(314)	13,981	Yes	No
71	(\$113.25)	4.2	Solar	(1,168)	(\$174.71)	YES	267	5,151	No	No
72	(\$96.07)	7.6	Solar	(1,655)	(\$224.77)	YES	(388)	9,321	Yes	No
73	(\$80.84)	10.0	Solar	(1,768)	(\$254.66)	YES	(857)	12,264	Yes	No
74	(\$5.95)	7.6	Solar	(1,214)	(\$154.13)	YES	491	9,321	No	No
75	(\$38.08)	7.6	Solar	(1,340)	(\$177.54)	YES	(711)	9,321	Yes	No
76	(\$45.33)	3.0	Solar	(466)	(\$53.46)	YES	650	3,679	No	No
77	(\$9.09)	6.0	Solar	(1,213)	(\$167.15)	YES	16	7,358	No	No
78	(\$47.45)	5.6	Solar	(1,052)	(\$128.57)	YES	2,242	6,868	No	No
79	(\$117.36)	10.0	Solar	(2,138)	(\$346.57)	YES	3,814	12,264	No	No
80	(\$85.76)	5.8	Solar	(1,475)	(\$230.08)	YES	2,809	7,052	No	No
81	(\$130.42)	10.0	Solar	(2,194)	(\$318.69)	YES	10	12,264	No	No
82	(\$743.02)	10.0	Solar	(2,538)	(\$391.45)	YES	(178)	12,264	Yes	No
83	(\$22.91)	5.0	Solar	(1,350)	(\$173.42)	NO	76	6,132	Not Applicable	Not Applicable
84	(\$202.96)	5.0	Solar	(1,706)	(\$253.61)	YES	(436)	6,132	Yes	No
85	(\$101.64)	6.0	Solar	(1,186)	(\$154.24)	YES	(789)	7,358	Yes	No
86	(\$246.33)	3.0	Solar	(700)	(\$78.94)	YES	337	3,679	No	No
87	(\$60.83)	7.0	Solar	(1,868)	(\$265.98)	YES	1,384	8,536	No	No
88	(\$11.62)	5.0	Solar	(1,010)	(\$104.07)	YES	(621)	6,132	Yes	No
89	(\$52.84)	6.0	Solar	(1,467)	(\$187.62)	YES	(422)	7,358	Yes	No
90	(\$26.89)	5.6	Solar	(999)	(\$109.22)	YES	(30)	6,856	Yes	No
91	(\$16.61)	6.0	Solar	(1,192)	(\$156.69)	NO	(292)	7,358	Not Applicable	Not Applicable
92	(\$60.89)	7.6	Solar	(1,277)	(\$172.70)	NO	(539)	9,321	Not Applicable	Not Applicable
93	(\$196.24)	7.6	Solar	(1,944)	(\$279.17)	YES	(1,360)	9,321	Yes	No
94	(\$34.42)	6.0	Solar	(1,360)	(\$178.43)	YES	416	7,358	No	No
95	(\$368.37)	10.0	Solar	(2,016)	(\$300.45)	YES	6,866	12,264	No	No
96	(\$375.41)	13.6	Solar	(3,343)	(\$516.19)	YES	(1,124)	16,679	Yes	No
97	(\$20.30)	6.0	Solar	(1,357)	(\$197.52)	YES	(42)	7,358	Yes	No
98	(\$342.23)	13.0	Solar	(3,152)	(\$476.83)	YES	(1,142)	15,943	Yes	No

99	(\$62.26)	8.1	Solar	(1,726)	(\$270.77)	YES	(714)	9,958	Yes	No
100	(\$291.39)	8.9	Solar	(2,609)	(\$393.05)	YES	1,981	10,890	No	No
101	(\$35.12)	3.9	Solar	(1,018)	(\$110.00)	YES	(615)	4,783	Yes	No
102	(\$18.52)	3.0	Solar	(805)	(\$85.62)	YES	(604)	3,679	Yes	No
103	(\$213.68)	7.6	Solar	(2,094)	(\$300.47)	YES	(929)	9,321	Yes	No
104	(\$138.91)	7.6	Solar	(1,782)	(\$269.01)	YES	1,031	9,321	No	No
105	(\$26.84)	4.2	Solar	(924)	(\$108.80)	YES	115	5,151	No	No
106	(\$51.07)	3.6	Solar	(983)	(\$127.27)	YES	(275)	4,415	Yes	No
107	(\$59.05)	6.0	Solar	(1,408)	(\$194.19)	YES	(448)	7,358	Yes	No
108	(\$69.42)	7.6	Solar	(1,439)	(\$233.20)	YES	2,583	9,321	No	No
109	(\$179.24)	6.0	Solar	(1,678)	(\$222.79)	YES	(1,422)	7,358	Yes	No
110	(\$114.30)	6.0	Solar	(946)	(\$138.82)	YES	1,021	7,358	No	No
111	(\$86.67)	3.8	Solar	(774)	(\$92.91)	YES	(201)	4,660	Yes	No
112	(\$369.70)	10.4	Solar	(2,860)	(\$432.59)	YES	(1,842)	12,755	Yes	No
113	(\$80.73)	3.8	Solar	(854)	(\$119.03)	YES	391	4,660	No	No
114	(\$8.29)	6.0	Solar	(1,600)	(\$226.46)	NO	(280)	7,358	Not Applicable	Not Applicable
115	(\$157.67)	9.0	Solar	(2,008)	(\$296.81)	YES	(413)	11,038	Yes	No
116	(\$0.81)	7.5	Solar	(1,172)	(\$148.37)	YES	490	9,198	No	No
117	(\$111.40)	6.0	Solar	(1,525)	(\$203.34)	NO	(864)	7,358	Not Applicable	Not Applicable
118	(\$74.10)	8.0	Solar	(1,721)	(\$247.61)	YES	(727)	9,811	Yes	No
119	(\$118.02)	6.6	Solar	(1,508)	(\$208.22)	YES		8,094	No	No
120	(\$89.71)	9.5	Solar	(1,948)	(\$283.28)	YES	4,009	11,651	No	No
121	(\$159.77)	10.0	Solar	(2,613)	(\$391.13)	YES	215	12,264	No	No
122	(\$37.21)	5.0	Solar	(1,271)	(\$169.80)	YES	(508)	6,132	Yes	No
123	(\$64.81)	5.0	Solar	(1,101)	(\$138.34)	YES	(87)	6,132	Yes	No
124	(\$277.72)	15.0	Solar	(4,378)	(\$752.72)	YES	4,040	18,396	No	No
125	(\$137.91)	3.6	Solar	(999)	(\$110.33)	YES	(322)	4,415	Yes	No
126	(\$156.93)	6.0	Solar	(810)	(\$112.99)	YES	6,429	7,358	No	No
127	(\$106.49)	3.0	Solar	(709)	(\$81.66)	YES	60	3,679	No	No
128	(\$64.01)	4.2	Solar	(1,268)	(\$164.98)	YES	486	5,151	No	No
129	(\$123.38)	9.0	Solar	(1,970)	(\$292.24)	YES	(669)	11,038	Yes	No
130	(\$898.31)	6.0	Solar	(1,603)	(\$246.77)	YES	3,312	7,358	No	No
131	(\$68.93)	3.8	Solar	(1,086)	(\$134.59)	YES	(116)	4,660	Yes	No
132	(\$195.61)	6.8	Solar	(1,794)	(\$252.81)	YES	673	8,340	No	No
133	(\$61.61)	3.7	Solar	(1,120)	(\$135.34)	YES	(743)	4,513	Yes	No
134	(\$236.32)	7.6	Solar	(1,790)	(\$245.91)	YES	(173)	9,321	Yes	No
135	(\$37.81)	8.5	Solar	(3,197)	(\$496.00)	YES	5,846	10,424	No	No
136	(\$120.20)	6.7	Solar	(1,868)	(\$268.97)	YES	(949)	8,241	Yes	No
137	(\$136.32)	7.6	Solar	(2,053)	(\$291.33)	YES	5	9,321	No	No
138	(\$125.84)	6.6	Solar	(1,723)	(\$227.87)	YES	(555)	8,094	Yes	No
139	(\$67.08)	2.8	Solar	(892)	(\$89.83)	YES	(542)	3,385	Yes	No
140	(\$230.23)	5.8	Solar	(2,083)	(\$305.67)	YES	242	7,113	No	No
141	(\$12.06)	3.6	Solar	(805)	(\$81.26)	YES	(311)	4,415	Yes	No
142	(\$82.03)	8.4	Solar	(1,909)	(\$278.70)	YES	(714)	10,302	Yes	No
143	(\$57.82)	7.6	Solar	(1,568)	(\$209.89)	YES	(198)	9,321	Yes	No
144	(\$18.32)	5.0	Solar	(1,202)	(\$113.55)	YES	22	6,132	No	No
145	(\$972.35)	7.6	Solar	(1,739)	(\$236.92)	YES	(674)	9,321	Yes	No
146	(\$58.40)	7.6	Solar	(2,212)	(\$336.55)	YES	1,364	9,272	No	No
147	(\$150.57)	5.0	Solar	(1,684)	(\$272.44)	YES	(588)	6,132	Yes	No
148	(\$79.80)	7.6	Solar	(1,448)	(\$194.08)	YES	(683)	9,321	Yes	No
149	(\$6.91)	5.0	Solar	(1,567)	(\$230.69)	YES	3,451	6,132	No	No

150	(\$92.85)	6.0	Solar	(1,554)	(\$242.06)	YES	(199)	7,358	Yes	No
151	(\$367.23)	9.7	Solar	(3,224)	(\$495.48)	YES	(769)	11,847	Yes	No
152	(\$101.61)	7.6	Solar	(1,851)	(\$259.19)	YES	367	9,321	No	No
153	(\$169.52)	6.0	Solar	(1,696)	(\$248.19)	YES	(199)	7,358	Yes	No
154	(\$72.48)	7.6	Solar	(2,062)	(\$298.58)	YES	(843)	9,321	Yes	No
155	(\$270.75)	7.6	Solar	(2,538)	(\$373.29)	YES	(190)	9,321	Yes	No
156	(\$166.00)	11.4	Solar	(2,228)	(\$331.39)	YES	(593)	13,981	Yes	No
157	(\$152.69)	7.8	Solar	(2,068)	(\$314.78)	YES	(1,224)	9,603	Yes	No
158	(\$157.45)	6.0	Solar	(1,616)	(\$233.71)	YES	(1,004)	7,358	Yes	No
159	(\$229.89)	7.6	Solar	(2,286)	(\$322.54)	YES	(1,264)	9,321	Yes	No
160	(\$178.80)	6.6	Solar	(2,036)	(\$297.25)	YES	(1,083)	8,094	Yes	No
161	(\$131.47)	9.0	Solar	(1,804)	(\$282.59)	YES	(333)	11,038	Yes	No
162	(\$600.80)	6.0	Solar	(1,080)	(\$148.84)	YES	(218)	7,358	Yes	No
163	(\$27.59)	5.0	Solar	(1,220)	(\$147.55)	YES	220	6,132	No	No
164	(\$140.49)	5.0	Solar	(1,633)	(\$203.40)	NO	(1,103)	6,132	Not Applicable	Not Applicable
165	(\$72.53)	3.8	Solar	(1,198)	(\$152.10)	YES	(886)	4,660	Yes	No
166	(\$61.49)	6.8	Solar	(1,643)	(\$242.99)	YES	(266)	8,340	Yes	No
167	(\$57.85)	7.6	Solar	(1,682)	(\$237.63)	YES	(645)	9,321	Yes	No
168	(\$12.10)	5.2	Solar	(1,206)	(\$160.96)	YES	(436)	6,377	Yes	No
169	(\$149.24)	7.2	Solar	(1,271)	(\$175.71)	YES	1,632	8,830	No	No
170	(\$85.06)	3.8	Solar	(1,286)	(\$165.75)	YES	(397)	4,660	Yes	No
171	(\$8.73)	2.3	Solar	(899)	(\$106.38)	YES	1,162	2,759	No	No
172	(\$57.20)	15.0	Solar	(1,963)	(\$307.26)	YES	1,221	18,396	No	No
173	(\$175.69)	11.4	Solar	(2,516)	(\$382.62)	YES	(1,074)	13,981	Yes	No
174	(\$128.44)	6.6	Solar	(2,050)	(\$310.16)	YES	(823)	8,094	Yes	No
175	(\$128.75)	7.6	Solar	(2,366)	(\$341.73)	NO	(688)	9,321	Not Applicable	Not Applicable
176	(\$178.91)	11.4	Solar	(2,682)	(\$404.68)	YES	1,386	13,981	No	No
177	(\$26.27)	7.6	Solar	(1,451)	(\$204.42)	YES	353	9,321	No	No
178	(\$324.83)	7.6	Solar	(1,807)	(\$284.32)	YES	(845)	9,321	Yes	No
179	(\$298.69)	7.6	Solar	(1,354)	(\$208.99)	YES	(1,109)	9,321	Yes	No
180	(\$100.55)	7.6	Solar	(2,126)	(\$305.11)	YES	114	9,321	No	No
181	(\$66.19)	2.8	Solar	(963)	(\$95.55)	YES	(716)	3,385	Yes	No
182	(\$78.56)	7.6	Solar	(1,733)	(\$241.68)	YES	726	9,272	No	No
183	(\$6.54)	5.0	Solar	(1,539)	(\$230.91)	YES	156	6,132	No	No
184	(\$9.24)	11.4	Solar	(3,556)	(\$557.90)	YES	3,994	13,981	No	No
185	(\$148.92)	6.0	Solar	(1,881)	(\$257.89)	YES	(936)	7,358	Yes	No
186	(\$115.78)	3.8	Solar	(786)	(\$84.85)	YES	184	4,660	No	No
187	(\$109.48)	9.0	Solar	(2,205)	(\$312.76)	YES	(315)	11,038	Yes	No
188	(\$86.24)	9.0	Solar	(2,531)	(\$386.74)	NO	(896)	11,038	Not Applicable	Not Applicable
189	(\$199.61)	7.6	Solar	(2,214)	(\$321.57)	YES	(1,140)	9,321	Yes	No
190	(\$153.77)	7.6	Solar	(1,888)	(\$263.28)	YES	(197)	9,321	Yes	No
191	(\$254.62)	6.0	Solar	(1,892)	(\$255.40)	YES	(1,833)	7,358	Yes	No
192	(\$180.56)	6.6	Solar	(1,634)	(\$235.75)	YES	963	8,094	No	No
193	(\$110.22)	5.2	Solar	(1,216)	(\$177.68)	YES	218	6,377	No	No
194	(\$528.94)	7.6	Solar	(2,747)	(\$426.58)	YES	(1,890)	9,321	Yes	No
195	(\$40.28)	9.0	Solar	(1,343)	(\$184.02)	YES	397	11,074	No	No
196	(\$178.37)	4.6	Solar	(1,903)	(\$269.60)	YES	(1,508)	5,592	Yes	Yes
197	(\$37.89)	5.0	Solar	(1,221)	(\$170.03)	YES	(311)	6,132	Yes	No
198	(\$112.21)	7.6	Solar	(1,527)	(\$209.79)	YES	(1,141)	9,321	Yes	No
199	(\$290.22)	13.6	Solar	(3,386)	(\$542.09)	YES	(1,381)	16,679	Yes	No
200	(\$106.51)	10.0	Solar	(3,280)	(\$518.78)	YES	5,840	12,264	No	No

201	(\$10.55)	5.0	Solar	(1,348)	(\$186.16)	YES	601	6,132	No	No
202	(\$613.75)	13.0	Solar	(4,333)	(\$682.22)	YES	(3,298)	15,943	Yes	No
203	(\$69.77)	5.0	Solar	(1,389)	(\$184.81)	NO	(931)	6,132	Not Applicable	Not Applicable
204	(\$81.04)	6.0	Solar	(783)	(\$115.49)	YES	2,485	7,358	No	No
205	(\$140.51)	6.6	Solar	(2,152)	(\$309.74)	YES	(1,115)	8,094	Yes	No
206	(\$287.95)	7.6	Solar	(2,352)	(\$337.45)	NO	(217)	9,321	Not Applicable	Not Applicable
207	(\$78.00)	6.0	Solar	(2,405)	(\$350.57)	YES	1,135	7,358	No	No
208	(\$220.72)	6.6	Solar	(1,924)	(\$275.64)	YES	(1,117)	8,094	Yes	No
209	(\$98.69)	7.0	Solar	(2,110)	(\$319.62)	YES	109	8,585	No	No
210	(\$1,180.13)	6.0	Solar	(1,213)	(\$172.19)	YES	222	7,358	No	No
211	(\$274.87)	11.0	Solar	(3,106)	(\$492.92)	YES	(1,310)	13,490	Yes	No
212	(\$103.55)	5.3	Solar	(1,432)	(\$186.57)	YES	(400)	6,488	Yes	No
213	(\$60.69)	4.3	Solar	(1,111)	(\$145.43)	YES	(563)	5,298	Yes	No
214	(\$62.51)	5.0	Solar	(1,285)	(\$170.62)	YES	(650)	6,132	Yes	No
215	(\$55.35)	6.0	Solar	(1,205)	(\$161.35)	YES	(389)	7,358	Yes	No
216	(\$20.98)	5.0	Solar	(861)	(\$92.55)	YES	(148)	6,132	Yes	No
217	(\$125.35)	7.6	Solar	(2,083)	(\$311.62)	NO	(1,257)	9,321	Not Applicable	Not Applicable
218	(\$100.58)	3.1	Solar	(1,070)	(\$128.15)	YES	(744)	3,777	Yes	No
219	(\$78.39)	7.6	Solar	(2,072)	(\$299.06)	YES	320	9,321	No	No
220	(\$182.70)	11.4	Solar	(1,754)	(\$227.22)	YES	(1,454)	13,981	Yes	No
221	(\$288.23)	6.6	Solar	(2,028)	(\$291.02)	YES	(1,368)	8,094	Yes	No
222	(\$114.12)	7.6	Solar	(1,344)	(\$182.33)	YES	(815)	9,321	Yes	No
223	(\$62.35)	7.6	Solar	(1,965)	(\$275.47)	YES	(20)	9,321	Yes	No
224	(\$89.49)	3.8	Solar	(1,493)	(\$193.62)	YES	(861)	4,660	Yes	No
225	(\$10.37)	3.8	Solar	(937)	(\$109.43)	YES	177	4,660	No	No
226	(\$211.35)	5.2	Solar	(1,853)	(\$263.32)	YES	293	6,377	No	No
227	(\$2.30)	6.0	Solar	(1,452)	(\$200.48)	YES	(265)	7,358	Yes	No
228	(\$7.06)	6.0	Solar	(945)	(\$118.96)	YES	(39)	7,358	Yes	No
229	(\$78.63)	7.2	Solar	(1,928)	(\$273.68)	YES	(1,073)	8,830	Yes	No
230	(\$84.58)	6.6	Solar	(1,767)	(\$243.06)	YES	164	8,094	No	No
231	(\$95.36)	5.0	Solar	(1,754)	(\$253.38)	YES	(509)	6,132	Yes	No
232	(\$399.73)	18.6	Solar	(6,647)	(\$1,081.37)	YES	(1,439)	22,762	Yes	No
233	(\$1.58)	3.0	Solar	(685)	(\$57.36)	YES	(284)	3,679	Yes	No
234	(\$82.59)	4.5	Solar	(1,348)	(\$175.96)	YES	(603)	5,494	Yes	No
235	(\$135.83)	7.6	Solar	(1,908)	(\$282.99)	YES	(498)	9,321	Yes	No
236	(\$261.74)	5.0	Solar	(1,911)	(\$308.23)	YES	(1,546)	6,132	Yes	Yes
237	(\$134.13)	5.0	Solar	(1,601)	(\$218.39)	YES	(1,045)	6,132	Yes	No
238	(\$322.11)	11.8	Solar	(3,158)	(\$511.79)	YES	(1,735)	14,472	Yes	No
239	(\$1,110.49)	20.0	Solar	(5,880)	(\$874.93)	YES	(3,480)	24,528	Yes	No
240	(\$79.18)	5.0	Solar	(1,082)	(\$126.30)	YES	604	6,132	No	No
241	(\$246.41)	10.0	Solar	(1,716)	(\$267.18)	YES	(223)	12,264	Yes	No
242	(\$151.62)	6.0	Solar	(2,034)	(\$290.57)	YES	(63)	7,358	Yes	No
243	(\$444.74)	11.4	Solar	(3,540)	(\$551.60)	YES	(2,439)	13,981	Yes	No
244	(\$171.81)	6.6	Solar	(2,004)	(\$289.53)	YES	(298)	8,094	Yes	No
245	(\$198.79)	8.4	Solar	(2,645)	(\$395.74)	YES	(262)	10,302	Yes	No
246	(\$35.98)	3.0	Solar	(1,286)	(\$190.25)	YES	265	3,679	No	No
247	(\$414.99)	6.0	Solar	(2,296)	(\$357.56)	YES	844	7,358	No	No
248	(\$46.16)	8.6	Solar	(1,847)	(\$280.37)	YES	1,711	10,547	No	No
249	(\$156.53)	5.7	Solar	(3,552)	(\$562.29)	YES	7,142	6,954	No	No
250	(\$8.52)	6.0	Solar	(1,285)	(\$183.09)	YES	(201)	7,358	Yes	No
251	(\$103.38)	3.0	Solar	(1,203)	(\$137.14)	NO	(928)	3,679	Not Applicable	Not Applicable

252	(\$770.98)	16.1	Solar	(5,329)	(\$845.75)	YES	(1,795)	19,721	Yes	No
253	(\$102.36)	10.0	Solar	(2,358)	(\$358.68)	YES	(485)	12,264	Yes	No
254	(\$175.68)	4.1	Solar	(1,875)	(\$256.73)	YES	(880)	5,016	Yes	No
255	(\$303.50)	10.0	Solar	(3,298)	(\$503.63)	YES	(635)	12,264	Yes	No
256	(\$290.41)	10.0	Solar	(2,636)	(\$391.23)	YES	(1,888)	12,264	Yes	No
257	(\$67.12)	4.3	Solar	(1,242)	(\$156.57)	YES	(430)	5,212	Yes	No
258	(\$445.23)	7.6	Solar	(3,305)	(\$495.48)	YES	(3,080)	9,321	Yes	Yes
259	(\$93.85)	3.6	Solar	(1,242)	(\$155.84)	YES	(615)	4,415	Yes	No
260	(\$156.26)	3.8	Solar	(1,401)	(\$173.01)	YES	(1,001)	4,660	Yes	No
261	(\$203.61)	5.0	Solar	(2,495)	(\$368.26)	YES	(914)	6,132	Yes	No
262	(\$581.62)	10.0	Solar	(3,267)	(\$506.47)	YES	(2,547)	12,264	Yes	No
263	(\$349.36)	7.6	Solar	(2,586)	(\$386.83)	YES	(2,229)	9,321	Yes	No
264	(\$130.95)	7.6	Solar	(1,825)	(\$258.47)	YES	(1,029)	9,321	Yes	No
265	(\$97.30)	10.0	Solar	(2,367)	(\$372.56)	YES	48	12,264	No	No
266	(\$22.04)	3.0	Solar	(786)	(\$74.47)	YES	(48)	3,679	Yes	No
267	(\$102.71)	3.8	Solar	(1,298)	(\$164.08)	YES	(793)	4,660	Yes	No
268	(\$183.78)	10.0	Solar	(1,968)	(\$277.30)	YES	(937)	12,264	Yes	No
269	(\$28.75)	5.8	Solar	(1,394)	(\$187.66)	YES	(403)	7,052	Yes	No
270	(\$52.33)	20.0	Solar	(3,498)	(\$555.03)	YES	4,419	24,528	No	No
271	(\$1.65)	3.3	Solar	(816)	(\$87.54)	YES	(113)	3,986	Yes	No
272	(\$213.35)	2.0	Solar	(6,720)	\$0.00	YES	4,320	2,453	No	No
273	(\$14.39)	5.3	Solar	(553)	(\$71.46)	NO	5,261	6,524	Not Applicable	Not Applicable
274	(\$191.05)	6.8	Solar	(1,898)	(\$273.32)	YES	(879)	8,278	Yes	No
275	(\$139.95)	7.6	Solar	(2,477)	(\$381.88)	YES	(1,294)	9,321	Yes	No
276	(\$109.37)	3.8	Solar	(1,326)	(\$154.76)	YES	(857)	4,709	Yes	No
277	(\$127.41)	3.6	Solar	(1,483)	(\$171.54)	YES	(1,259)	4,415	Yes	Yes
278	(\$291.33)	12.5	Solar	(2,705)	(\$403.26)	YES	(503)	15,305	Yes	No
279	(\$111.60)	7.6	Solar	(1,501)	(\$207.58)	YES	(551)	9,321	Yes	No
280	(\$211.22)	7.6	Solar	(1,789)	(\$246.77)	YES	111	9,321	No	No
281	(\$570.20)	6.6	Solar	(2,250)	(\$318.07)	YES	(2,175)	8,094	Yes	Yes
282	(\$61.50)	3.6	Solar	(1,137)	(\$142.84)	YES	(335)	4,415	Yes	No
283	(\$109.01)	5.0	Solar	(1,724)	(\$236.06)	YES	(760)	6,132	Yes	No
284	(\$180.77)	7.6	Solar	(1,940)	(\$288.54)	YES	(935)	9,321	Yes	No
285	(\$270.96)	6.5	Solar	(2,459)	(\$364.02)	YES	(1,849)	7,947	Yes	No
286	(\$291.04)	5.0	Solar	(2,008)	(\$287.61)	YES	(1,682)	6,132	Yes	Yes
287	(\$169.35)	5.3	Solar	(1,824)	(\$253.57)	YES	(1,019)	6,524	Yes	No
288	(\$10.17)	3.8	Solar	(922)	(\$105.24)	YES	(135)	4,660	Yes	No
289	(\$187.74)	6.6	Solar	(1,709)	(\$234.05)	YES	(910)	8,094	Yes	No
290	(\$154.45)	4.3	Solar	(1,784)	(\$243.64)	YES	(1,012)	5,274	Yes	No
291	(\$156.29)	5.0	Solar	(1,900)	(\$283.75)	YES	(774)	6,132	Yes	No
292	(\$19.26)	6.0	Solar	(1,128)	(\$133.15)	YES	1,213	7,358	No	No
293	(\$517.48)	15.2	Solar	(5,158)	(\$816.80)	YES	(78)	18,641	Yes	No
294	(\$130.90)	5.0	Solar	(645)	(\$74.16)	YES	632	6,071	No	No
295	(\$59.08)	5.4	Solar	(1,792)	(\$255.27)	YES	(803)	6,598	Yes	No
296	(\$2.20)	3.8	Solar	(854)	(\$98.84)	YES	(61)	4,660	Yes	No
297	(\$245.77)	7.6	Solar	(2,287)	(\$335.96)	YES	(1,001)	9,321	Yes	No
298	(\$11.52)	3.0	Solar	(979)	(\$127.80)	YES	469	3,679	No	No
299	(\$44.19)	3.8	Solar	(1,028)	(\$137.01)	YES	(547)	4,660	Yes	No
300	(\$25.26)	1.5	Solar	(648)	(\$58.18)	NO	(480)	1,778	Not Applicable	Not Applicable
301	(\$79.68)	15.1	Solar	(4,330)	(\$689.55)	YES	(2,493)	18,543	Yes	No
302	(\$10.06)	3.8	Solar	(1,885)	(\$277.73)	YES	(674)	4,660	Yes	No

303	(\$96.31)	3.8	Solar	(1,401)	(\$182.42)	YES	(862)	4,660	Yes	No
304	(\$60.88)	3.8	Solar	(1,226)	(\$147.94)	YES	(769)	4,660	Yes	No
305	(\$175.89)	11.4	Solar	(2,025)	(\$294.89)	YES	176	13,981	No	No
306	(\$184.56)	2.6	Solar	(1,235)	(\$155.00)	YES	(869)	3,238	Yes	Yes
307	(\$313.11)	6.0	Solar	(2,554)	(\$382.50)	NO	(1,379)	7,358	Not Applicable	Not Applicable
308	(\$281.48)	15.0	Solar	(2,915)	(\$463.34)	YES	(2,003)	18,396	Yes	No
309	(\$269.87)	3.0	Solar	(1,139)	(\$135.54)	YES	(806)	3,679	Yes	No
310	(\$49.75)	3.8	Solar	(778)	(\$73.00)	YES	107	4,660	No	No
311	(\$216.61)	14.3	Solar	(2,409)	(\$360.81)	YES	3,878	17,476	No	No
312	(\$42.26)	4.2	Solar	(1,845)	(\$256.14)	YES	(1,279)	5,151	Yes	No
313	(\$77.29)	3.8	Solar	(1,131)	(\$148.27)	YES	(428)	4,660	Yes	No
314	(\$23.58)	5.2	Solar	(1,393)	(\$189.12)	YES	(714)	6,377	Yes	No
315	(\$23.49)	3.0	Solar	(1,203)	(\$138.77)	YES	(72)	3,679	Yes	No
316	(\$189.92)	5.0	Solar	(2,037)	(\$284.82)	YES	(1,685)	6,181	Yes	Yes
317	(\$145.82)	3.8	Solar	(1,512)	(\$184.02)	YES	(1,248)	4,660	Yes	Yes
318	(\$130.11)	5.0	Solar	(1,234)	(\$175.04)	YES	(610)	6,132	Yes	No
319	(\$106.48)	2.5	Solar	(364)	(\$49.19)	YES	616	3,066	No	No
320	(\$838.65)	20.8	Solar	(7,757)	(\$1,289.95)	YES	1,738	25,509	No	No
321	(\$562.75)	6.6	Solar	(2,833)	(\$413.19)	YES	(2,348)	8,094	Yes	Yes
322	(\$108.53)	5.0	Solar	(1,281)	(\$159.40)	YES	(564)	6,132	Yes	No
323	(\$279.80)	6.0	Solar	(2,547)	(\$366.19)	YES	(2,153)	7,334	Yes	Yes
324	(\$241.98)	7.6	Solar	(2,506)	(\$365.85)	YES	(727)	9,321	Yes	No
325	(\$69.43)	5.0	Solar	(1,183)	(\$145.64)	YES	(451)	6,132	Yes	No
326	(\$195.03)	7.6	Solar	(2,941)	(\$442.15)	NO	(1,599)	9,321	Not Applicable	Not Applicable
327	(\$380.70)	10.0	Solar	(4,269)	(\$673.95)	YES	664	12,264	No	No
328	(\$499.19)	22.8	Solar	(7,450)	(\$1,139.82)	YES	4,727	27,962	No	No
329	(\$7.07)	3.0	Solar	(840)	(\$92.50)	NO	(632)	3,679	Not Applicable	Not Applicable
330	(\$274.49)	6.4	Solar	(2,708)	(\$402.72)	YES	(1,435)	7,849	Yes	No
331	(\$171.88)	6.0	Solar	(1,650)	(\$222.17)	YES	(1,273)	7,358	Yes	No
332	(\$788.54)	12.0	Solar	(3,784)	(\$602.97)	YES	6,708	14,717	No	No
333	(\$38.92)	3.0	Solar	(1,074)	(\$133.07)	YES	(481)	3,679	Yes	No
334	(\$89.20)	3.6	Solar	(1,099)	(\$132.05)	YES	(289)	4,415	Yes	No
335	(\$123.36)	8.6	Solar	(1,904)	(\$264.40)	YES	416	10,547	No	No
336	(\$57.50)	7.3	Solar	(1,877)	(\$261.72)	YES	1,609	8,891	No	No
337	(\$397.25)	9.0	Solar	(2,507)	(\$374.40)	YES	(2,124)	11,038	Yes	No
338	(\$324.34)	7.6	Solar	(2,636)	(\$401.04)	YES	(2,501)	9,321	Yes	Yes
339	(\$104.65)	6.0	Solar	(1,898)	(\$270.08)	YES	515	7,358	No	No
340	(\$242.98)	5.0	Solar	(1,900)	(\$251.39)	YES	(1,582)	6,132	Yes	Yes
341	(\$153.70)	5.8	Solar	(1,910)	(\$261.91)	YES	(1,231)	7,052	Yes	No
342	(\$422.14)	10.0	Solar	(3,374)	(\$528.28)	YES	(2,340)	12,264	Yes	No
343	(\$134.38)	7.6	Solar	(1,752)	(\$233.97)	YES	(1,106)	9,321	Yes	No
344	(\$336.57)	6.0	Solar	(2,750)	(\$404.80)	YES	(1,840)	7,358	Yes	Yes
345	(\$50.57)	3.1	Solar	(1,081)	(\$137.37)	YES	(703)	3,777	Yes	No
346	(\$5.07)	4.7	Solar	(1,321)	(\$178.35)	YES	(88)	5,801	Yes	No
347	(\$706.88)	7.6	Solar	(4,068)	(\$623.89)	YES	(3,794)	9,321	Yes	Yes
348	(\$201.68)	7.6	Solar	(2,186)	(\$314.77)	YES	(1,181)	9,321	Yes	No
349	(\$364.83)	7.6	Solar	(3,195)	(\$491.23)	YES	(1,779)	9,321	Yes	No
350	(\$327.43)	7.3	Solar	(3,000)	(\$451.45)	YES	105	8,928	No	No
351	(\$566.89)	10.0	Solar	(4,007)	(\$624.79)	YES	(3,203)	12,264	Yes	Yes
352	(\$17.88)	5.0	Solar	(1,230)	(\$167.92)	YES	(433)	6,132	Yes	No
353	(\$183.32)	5.0	Solar	(1,521)	(\$186.08)	YES	(973)	6,132	Yes	No

354	(\$322.34)	5.2	Solar	(2,221)	(\$322.23)	YES	(1,317)	6,377	Yes	No
355	(\$241.88)	7.6	Solar	(2,001)	(\$274.65)	YES	(1,194)	9,321	Yes	No
356	(\$200.06)	4.8	Solar	(1,480)	(\$189.45)	YES	(1,006)	5,887	Yes	No
357	(\$182.88)	3.8	Solar	(1,196)	(\$142.41)	YES	(742)	4,660	Yes	No
358	(\$333.38)	7.6	Solar	(2,979)	(\$482.03)	YES	(2,205)	9,321	Yes	No
359	(\$64.97)	5.0	Solar	(1,170)	(\$144.03)	YES	(688)	6,132	Yes	No
360	(\$405.92)	7.6	Solar	(3,022)	(\$450.94)	YES	(2,633)	9,321	Yes	Yes
361	(\$51.72)	5.0	Solar	(1,067)	(\$130.19)	YES	(72)	6,132	Yes	No
362	(\$229.27)	5.0	Solar	(2,164)	(\$300.22)	YES	(1,506)	6,132	Yes	No
363	(\$311.33)	5.0	Solar	(1,966)	(\$312.48)	YES	(1,703)	6,132	Yes	Yes
364	(\$29.77)	3.8	Solar	(688)	(\$67.72)	YES	(487)	4,660	Yes	No
365	(\$124.90)	14.0	Solar	(2,289)	(\$349.18)	YES	5,947	17,170	No	No
366	(\$37.76)	11.4	Solar	(3,614)	(\$573.99)	YES	(484)	13,981	Yes	No
367	(\$275.44)	6.6	Solar	(2,877)	(\$423.62)	YES	(1,737)	8,094	Yes	No
368	(\$55.27)	3.0	Solar	(878)	(\$88.74)	YES	(616)	3,679	Yes	No
369	(\$144.53)	5.2	Solar	(1,585)	(\$203.15)	YES	(1,039)	6,377	Yes	No
370	(\$223.37)	7.6	Solar	(2,357)	(\$335.81)	YES		9,321	No	No
371	(\$113.97)	6.0	Solar	(1,761)	(\$233.30)	YES	(1,047)	7,358	Yes	No
372	(\$416.36)	9.0	Solar	(4,172)	(\$648.74)	YES	(1,919)	11,038	Yes	No
373	(\$188.79)	6.0	Solar	(2,122)	(\$288.64)	YES	(1,693)	7,358	Yes	No
374	(\$508.96)	10.0	Solar	(3,487)	(\$575.41)	YES	(2,571)	12,264	Yes	No
375	(\$483.09)	3.0	Solar	(1,122)	(\$138.36)	YES	(322)	3,679	Yes	No
376	(\$229.13)	9.0	Solar	(2,925)	(\$446.24)	YES	(1,315)	11,038	Yes	No
377	(\$280.63)	7.6	Solar	(2,249)	(\$314.21)	YES	(1,618)	9,321	Yes	No
378	(\$61.40)	3.5	Solar	(1,042)	(\$121.72)	YES	(823)	4,292	Yes	No
379	(\$104.31)	3.8	Solar	(1,317)	(\$170.82)	YES		4,660	No	No
380	(\$146.79)	5.0	Solar	(1,430)	(\$194.77)	YES	(853)	6,132	Yes	No
381	(\$118.00)	10.0	Solar	(2,828)	(\$452.09)	YES	(621)	12,264	Yes	No
382	(\$244.61)	6.0	Solar	(2,637)	(\$405.57)	YES	1,960	7,358	No	No
383	(\$13.14)	3.8	Solar	(1,071)	(\$126.43)	YES	(78)	4,660	Yes	No
384	(\$474.10)	7.6	Solar	(2,468)	(\$381.03)	YES	(1,872)	9,321	Yes	No
385	(\$398.85)	7.5	Solar	(4,134)	(\$652.34)	YES	1,238	9,247	No	No
386	(\$373.78)	9.0	Solar	(4,035)	(\$632.25)	YES	4,613	11,038	No	No
387	(\$47.79)	3.0	Solar	(1,259)	(\$148.60)	YES	18	3,679	No	No
388	(\$183.63)	6.0	Solar	(1,990)	(\$277.79)	YES	111	7,358	No	No
389	(\$687.11)	7.6	Solar	(3,078)	(\$454.15)	YES	(2,555)	9,321	Yes	Yes
390	(\$114.80)	5.2	Solar	(1,635)	(\$221.35)	YES	(82)	6,377	Yes	No
391	(\$228.29)	5.4	Solar	(1,694)	(\$217.01)	YES	(1,332)	6,598	Yes	No
392	(\$114.05)	5.0	Solar	(1,279)	(\$190.21)	YES	(510)	6,132	Yes	No
393	(\$302.93)	6.0	Solar	(2,641)	(\$403.69)	YES	(1,905)	7,358	Yes	Yes
394	(\$194.29)	3.0	Solar	(1,239)	(\$138.66)	YES	(467)	3,679	Yes	No
395	(\$92.75)	5.0	Solar	(1,140)	(\$141.22)	YES	(900)	6,132	Yes	No
396	(\$239.53)	5.0	Solar	(1,982)	(\$279.39)	YES	(1,330)	6,132	Yes	No
397	(\$114.56)	5.2	Solar	(1,328)	(\$188.92)	YES	(289)	6,377	Yes	No
398	(\$117.79)	3.8	Solar	(1,645)	(\$217.23)	YES	(865)	4,660	Yes	No
399	(\$552.34)	6.0	Solar	(2,870)	(\$427.56)	YES	(1,336)	7,358	Yes	No
400	(\$128.87)	4.8	Solar	(1,894)	(\$201.17)	YES	(1,014)	5,887	Yes	No
401	(\$225.14)	4.3	Solar	(1,984)	(\$276.70)	YES	(868)	5,212	Yes	No
402	(\$426.18)	7.6	Solar	(3,140)	(\$475.45)	YES	(2,027)	9,321	Yes	No
403	(\$119.35)	3.0	Solar	(1,464)	(\$177.67)	NO	(1,202)	3,679	Not Applicable	Not Applicable
404	(\$75.32)	3.0	Solar	(1,640)	(\$215.60)	YES	(919)	3,679	Yes	No

405	(\$1,172.56)	9.0	Solar	(4,446)	(\$681.39)	YES	(3,989)	11,038	Yes	Yes
406	(\$58.92)	6.0	Solar	(3,225)	(\$490.77)	YES	(2,590)	7,358	Yes	Yes
407	(\$327.30)	10.0	Solar	(4,610)	(\$764.89)	NO	(1,015)	12,264	Not Applicable	Not Applicable
408	(\$273.37)	4.2	Solar	(1,529)	(\$201.72)	YES	(812)	5,151	Yes	No
409	(\$592.78)	7.6	Solar	(4,070)	(\$644.97)	YES	(4,206)	9,321	Yes	Yes
410	(\$363.20)	12.7	Solar	(5,010)	(\$796.81)	YES	(1,961)	15,563	Yes	No
411	(\$442.30)	5.3	Solar	(2,212)	(\$306.11)	YES	(1,378)	6,439	Yes	No
412	(\$4.88)	6.0	Solar	(1,255)	(\$161.12)	YES	(103)	7,358	Yes	No
413	(\$171.71)	5.0	Solar	(2,107)	(\$305.92)	NO	(1,760)	6,132	Not Applicable	Not Applicable
414	(\$26.97)	3.8	Solar	(1,140)	(\$139.98)	YES	(460)	4,660	Yes	No
415	(\$140.04)	3.0	Solar	(1,480)	(\$195.26)	YES	(1,145)	3,679	Yes	Yes
416	(\$40.44)	6.0	Solar	(1,946)	(\$289.50)	YES	(342)	7,358	Yes	No
417	(\$151.51)	6.0	Solar	(1,175)	(\$135.99)	YES	250	7,383	No	No
418	(\$23.00)	3.8	Solar	(896)	(\$100.16)	YES	(452)	4,660	Yes	No
419	(\$848.33)	6.0	Solar	(2,583)	(\$386.84)	YES	(2,199)	7,358	Yes	Yes
420	(\$454.07)	10.0	Solar	(3,956)	(\$619.71)	YES	(2,494)	12,264	Yes	No
421	(\$838.80)	10.0	Solar	(5,226)	(\$838.80)	YES	(3,238)	12,264	Yes	Yes
422	(\$465.93)	7.6	Solar	(3,813)	(\$602.53)	YES	33	9,321	No	No
423	(\$518.14)	7.6	Solar	(2,544)	(\$380.51)	YES	(1,646)	9,321	Yes	No
424	(\$436.14)	7.6	Solar	(3,400)	(\$526.22)	YES	(2,344)	9,321	Yes	Yes
425	(\$23.84)	3.0	Solar	(685)	(\$54.24)	YES	(462)	3,679	Yes	No
426	(\$120.56)	4.1	Solar	(1,344)	(\$182.99)	YES	877	5,016	No	No
427	(\$222.93)	10.0	Solar	(2,972)	(\$465.71)	YES	997	12,264	No	No
428	(\$434.22)	7.6	Solar	(3,329)	(\$502.63)	YES	(2,894)	9,321	Yes	Yes
429	(\$135.15)	5.0	Solar	(1,376)	(\$178.28)	YES	(1,189)	6,132	Yes	No
430	(\$531.54)	7.7	Solar	(2,599)	(\$403.31)	YES	(1,388)	9,492	Yes	No
431	(\$31.83)	7.0	Solar	(1,821)	(\$275.87)	YES	(450)	8,585	Yes	No
432	(\$86.26)	5.5	Solar	(1,108)	(\$151.05)	YES	(391)	6,745	Yes	No
433	(\$1.13)	7.6	Solar	(1,689)	(\$239.80)	YES	(930)	9,321	Yes	No
434	(\$55.90)	5.0	Solar	(1,334)	(\$176.42)	YES	(454)	6,132	Yes	No
435	(\$849.50)	10.0	Solar	(2,600)	(\$399.48)	YES	7,362	12,264	No	No
436	(\$152.59)	7.6	Solar	(2,252)	(\$325.34)	YES		9,321	No	No
437	(\$486.10)	11.4	Solar	(3,882)	(\$604.76)	YES	(2,104)	13,981	Yes	No
438	(\$334.78)	5.2	Solar	(2,484)	(\$356.25)	YES	(1,963)	6,377	Yes	Yes
439	(\$121.97)	7.6	Solar	(1,688)	(\$237.29)	YES	1,559	9,321	No	No
440	(\$171.82)	5.0	Solar	(1,888)	(\$265.55)	YES	(880)	6,132	Yes	No
441	(\$254.63)	7.6	Solar	(2,218)	(\$318.96)	YES	(1,355)	9,321	Yes	No
442	(\$590.14)	6.6	Solar	(3,135)	(\$450.28)	YES	(2,722)	8,094	Yes	Yes
443	(\$362.74)	3.8	Solar	(1,914)	(\$259.21)	YES	(1,696)	4,660	Yes	Yes
444	(\$253.90)	7.6	Solar	(2,161)	(\$305.12)	YES	(886)	9,321	Yes	No
445	(\$24.40)	5.0	Solar	(1,457)	(\$205.36)	YES	233	6,132	No	No
446	(\$520.20)	6.0	Solar	(3,400)	(\$520.28)	YES	(3,152)	7,358	Yes	Yes
447	(\$456.86)	5.0	Solar	(1,768)	(\$245.47)	YES	(1,516)	6,132	Yes	No
448	(\$259.43)	6.0	Solar	(2,514)	(\$369.04)	YES	2,293	7,358	No	No
449	(\$160.53)	5.0	Solar	(1,816)	(\$248.84)	YES	(1,253)	6,132	Yes	No
450	(\$317.81)	6.0	Solar	(2,400)	(\$346.03)	NO	(1,776)	7,358	Not Applicable	Not Applicable
451	(\$276.14)	5.2	Solar	(2,291)	(\$326.76)	YES	(1,829)	6,328	Yes	Yes
452	(\$63.92)	3.8	Solar	(1,138)	(\$164.80)	YES	555	4,660	No	No
453	(\$343.61)	5.0	Solar	(2,211)	(\$318.31)	YES	(1,749)	6,132	Yes	Yes
454	(\$440.79)	6.7	Solar	(3,158)	(\$475.97)	NO	(2,402)	8,241	Not Applicable	Not Applicable
455	(\$37.21)	6.3	Solar	(1,529)	(\$212.75)	YES	(563)	7,665	Yes	No

456	(\$164.58)	7.6	Solar	(1,575)	(\$204.98)	YES	(1,496)	9,321	Yes	No
457	(\$215.85)	6.2	Solar	(2,019)	(\$278.28)	YES	(1,675)	7,653	Yes	No
458	(\$248.80)	3.8	Solar	(2,038)	(\$270.00)	YES	(1,963)	4,660	Yes	Yes
459	(\$286.89)	3.9	Solar	(2,281)	(\$317.51)	YES	(1,864)	4,795	Yes	Yes
460	(\$118.77)	8.0	Solar	(1,792)	(\$252.75)	YES	(645)	9,811	Yes	No
461	(\$305.97)	5.0	Solar	(2,483)	(\$342.43)	YES	(2,321)	6,132	Yes	Yes
462	(\$189.00)	6.0	Solar	(1,786)	(\$261.67)	YES	(1,151)	7,358	Yes	No
463	(\$88.39)	5.0	Solar	(1,400)	(\$185.73)	YES	520	6,132	No	No
464	(\$57.82)	6.0	Solar	(3,628)	(\$566.12)	YES	1,302	7,358	No	No
465	(\$61.39)	7.6	Solar	(2,412)	(\$355.31)	YES	(167)	9,321	Yes	No
466	(\$107.00)	5.8	Solar	(1,193)	(\$151.17)	YES	(208)	7,052	Yes	No
467	(\$198.67)	5.0	Solar	(1,604)	(\$218.76)	YES	(908)	6,132	Yes	No
468	(\$107.52)	3.8	Solar	(1,301)	(\$168.85)	YES	719	4,660	No	No
469	(\$150.74)	3.8	Solar	(952)	(\$106.89)	YES	(443)	4,660	Yes	No
470	(\$163.55)	3.0	Solar	(1,213)	(\$133.65)	YES	(1,144)	3,679	Yes	Yes
471	(\$547.36)	10.0	Solar	(6,350)	(\$1,023.12)	YES	(4,145)	12,264	Yes	Yes
472	(\$10.03)	5.0	Solar	(1,387)	(\$198.52)	YES	500	6,132	No	No
473	(\$117.20)	4.2	Solar	(2,647)	(\$394.43)	YES	(2,130)	5,151	Yes	Yes
474	(\$110.83)	3.6	Solar	(1,699)	(\$230.34)	YES	(64)	4,415	Yes	No
475	(\$494.19)	10.0	Solar	(4,921)	(\$786.63)	YES	(456)	12,264	Yes	No
476	(\$143.26)	3.1	Solar	(1,659)	(\$225.81)	YES	(855)	3,777	Yes	No
477	(\$162.46)	10.0	Solar	(1,332)	(\$199.51)	YES	707	12,264	No	No
478	(\$355.26)	7.6	Solar	(2,784)	(\$416.90)	YES	(1,695)	9,321	Yes	No
479	(\$186.32)	6.0	Solar	(2,328)	(\$357.35)	YES	(832)	7,358	Yes	No
480	(\$1,331.26)	10.1	Solar	(6,665)	(\$1,083.52)	YES	(5,487)	12,362	Yes	Yes
481	(\$342.56)	0.3	Solar	(2,168)	(\$324.41)	YES	(1,104)	307	Yes	Yes
482	(\$371.90)	4.0	Solar	(1,761)	(\$228.92)	YES	(1,640)	4,906	Yes	Yes
483	(\$140.17)	3.8	Solar	(1,450)	(\$179.12)	YES	(1,290)	4,660	Yes	Yes
484	(\$212.71)	3.6	Solar	(1,826)	(\$279.96)	YES	(1,512)	4,415	Yes	Yes
485	(\$821.22)	6.6	Solar	(3,610)	(\$549.01)	YES	(3,219)	8,094	Yes	Yes
486	(\$354.38)	9.0	Solar	(1,921)	(\$274.05)	YES	(332)	11,038	Yes	No
487	(\$1,202.09)	7.6	Battery Add-On	(4,108)	(\$637.05)	YES	(3,983)	9,321	Yes	Yes
488	(\$292.15)	7.6	Solar	(2,493)	(\$351.68)	YES	(1,919)	9,321	Yes	No
489	(\$313.06)	7.8	Solar	(2,351)	(\$342.44)	YES	(1,208)	9,505	Yes	No
490	(\$358.71)	6.5	Solar	(2,610)	(\$395.81)	YES	(1,514)	7,910	Yes	No
491	(\$466.65)	6.0	Solar	(3,241)	(\$494.63)	YES	(2,726)	7,358	Yes	Yes
492	(\$186.28)	6.0	Solar	(3,416)	(\$513.21)	YES	(2,948)	7,358	Yes	Yes
493	(\$219.62)	8.0	Solar	(2,396)	(\$370.46)	YES	10	9,811	No	No
494	(\$650.31)	6.0	Solar	(1,536)	(\$216.29)	YES	(969)	7,358	Yes	No
495	(\$611.72)	6.0	Solar	(1,784)	(\$256.20)	YES	(1,707)	7,358	Yes	No
496	(\$640.13)	6.3	Solar	(1,538)	(\$202.15)	YES	(633)	7,665	Yes	No
497	(\$1,062.22)	7.6	Solar	(5,121)	(\$850.36)	YES	(5,118)	9,321	Yes	Yes
498	(\$293.03)	3.8	Solar	(1,429)	(\$175.27)	YES	(1,190)	4,660	Yes	Yes
499	(\$350.83)	5.0	Solar	(1,882)	(\$249.22)	YES	(1,653)	6,132	Yes	Yes
500	(\$255.22)	5.0	Solar	(1,380)	(\$162.71)	YES	(1,044)	6,132	Yes	No
501	(\$93.30)	5.5	Solar	(1,286)	(\$164.52)	YES	185	6,745	No	No
502	(\$90.51)	6.0	Solar	(2,035)	(\$293.65)	YES	(1,055)	7,358	Yes	No
503	(\$52.00)	1.3	Solar	(739)	(\$64.84)	YES	4	1,582	No	No
504	(\$244.45)	3.0	Solar	(2,138)	(\$297.31)	YES	(1,493)	3,679	Yes	Yes
505	(\$354.15)	7.6	Solar	(2,980)	(\$452.56)	YES	(1,424)	9,321	Yes	No
506	(\$24.03)	3.0	Solar	(1,496)	(\$199.15)	YES		3,679	No	No

507	(\$9.90)	3.8	Solar	(980)	(\$108.39)	YES	(307)	4,660	Yes	No
508	(\$179.85)	3.8	Solar	(1,498)	(\$228.76)	YES	(848)	4,660	Yes	No
509	(\$309.20)	3.8	Solar	(2,286)	(\$315.24)	YES	(2,361)	4,660	Yes	Yes
510	(\$21.49)	4.8	Solar	(1,652)	(\$221.97)	YES	(567)	5,825	Yes	No
511	(\$12.01)	4.1	Solar	(1,826)	(\$277.82)	YES	2,842	5,016	No	No
512	(\$892.17)	11.6	Solar	(7,105)	(\$1,154.44)	NO	(1,392)	14,226	Not Applicable	Not Applicable
513	(\$419.93)	5.0	Solar	(1,867)	(\$249.64)	YES	(1,669)	6,132	Yes	Yes
514	(\$435.62)	13.0	Solar	(5,221)	(\$824.14)	YES	601	15,943	No	No
515	(\$41.29)	10.8	Solar	(1,871)	(\$263.47)	YES	1,059	13,184	No	No
516	(\$286.04)	8.8	Solar	(2,425)	(\$351.46)	YES	(1,287)	10,792	Yes	No
517	(\$213.01)	7.5	Solar	(2,195)	(\$323.77)	YES	754	9,198	No	No
518	(\$105.96)	6.0	Solar	(2,992)	(\$456.24)	YES	(104)	7,358	Yes	No
519	(\$504.91)	6.0	Solar	(2,425)	(\$340.23)	YES	(2,174)	7,358	Yes	Yes
520	(\$682.26)	7.7	Solar	(4,342)	(\$677.47)	YES	(2,633)	9,419	Yes	Yes
521	(\$401.94)	7.8	Solar	(3,094)	(\$474.17)	YES	(2,712)	9,505	Yes	Yes
522	(\$174.61)	6.0	Solar	(2,764)	(\$416.93)	YES	(1,615)	7,358	Yes	No
523	(\$70.98)	10.3	Solar	(1,675)	(\$230.91)	NO	431	12,571	Not Applicable	Not Applicable
524	(\$25.33)	3.8	Solar	(824)	(\$90.85)	YES	(228)	4,660	Yes	No
525	(\$543.44)	5.3	Solar	(2,282)	(\$330.19)	YES	(1,920)	6,439	Yes	Yes
526	(\$752.40)	7.6	Solar	(4,832)	(\$777.80)	YES	(4,338)	9,321	Yes	Yes
527	(\$301.23)	10.3	Solar	(4,007)	(\$626.45)	YES	(258)	12,656	Yes	No
528	(\$153.21)	6.0	Solar	(2,825)	(\$428.77)	YES	(1,657)	7,358	Yes	No
529	(\$90.74)	5.0	Solar	(1,271)	(\$166.63)	YES	(962)	6,132	Yes	No
530	(\$259.99)	6.6	Solar	(2,412)	(\$348.28)	YES	(1,122)	8,094	Yes	No
531	(\$469.67)	5.0	Solar	(3,334)	(\$509.40)	YES	(2,367)	6,132	Yes	Yes
532	(\$278.65)	5.0	Solar	(2,439)	(\$359.38)	YES	(1,680)	6,132	Yes	Yes
533	(\$843.72)	11.4	Solar	(4,895)	(\$772.55)	YES	(4,000)	13,981	Yes	Yes
534	(\$829.55)	10.0	Solar	(4,838)	(\$756.34)	YES	(1,948)	12,264	Yes	No
535	(\$98.38)	6.0	Solar	(1,404)	(\$184.28)	YES	17	7,358	No	No
536	(\$580.41)	6.0	Solar	(3,556)	(\$528.51)	YES	(3,258)	7,358	Yes	Yes
537	(\$559.29)	5.0	Solar	(2,590)	(\$386.03)	YES	(1,846)	6,132	Yes	Yes
538	(\$859.73)	8.4	Solar	(4,172)	(\$668.68)	YES	(3,906)	10,302	Yes	Yes
539	(\$420.49)	6.0	Solar	(3,336)	(\$505.00)	YES	(1,958)	7,358	Yes	Yes
540	(\$239.40)	5.0	Solar	(1,964)	(\$277.29)	YES	(1,484)	6,132	Yes	No
541	(\$495.15)	7.6	Solar	(3,598)	(\$551.92)	YES	(2,611)	9,321	Yes	Yes
542	(\$1,268.07)	10.0	Solar	(3,835)	(\$592.11)	YES	(3,401)	12,264	Yes	Yes
543	(\$675.61)	6.0	Solar	(2,145)	(\$304.24)	YES	(961)	7,358	Yes	No
544	(\$469.27)	7.7	Solar	(3,914)	(\$604.80)	YES	(2,185)	9,492	Yes	No
545	(\$710.77)	7.6	Solar	(3,355)	(\$502.99)	YES	(3,097)	9,321	Yes	Yes
546	(\$68.29)	7.6	Solar	(3,484)	(\$543.59)	YES	1,959	9,321	No	No
547	(\$294.27)	10.0	Solar	(3,485)	(\$529.85)	YES	(500)	12,264	Yes	No
548	(\$55.34)	3.0	Solar	(1,068)	(\$120.36)	YES	(641)	3,679	Yes	No
549	(\$868.63)	10.0	Solar	(7,016)	(\$1,138.43)	YES	(4,530)	12,264	Yes	Yes
550	(\$16.67)	6.0	Solar	(1,809)	(\$265.28)	YES	1,793	7,358	No	No
551	(\$553.95)	7.6	Solar	(3,806)	(\$609.65)	YES	2,723	9,321	No	No
552	(\$615.20)	6.5	Solar	(3,001)	(\$461.79)	YES	(1,826)	7,972	Yes	No
553	(\$295.13)	7.3	Solar	(2,820)	(\$427.83)	YES	(1,206)	8,965	Yes	No
554	(\$120.41)	6.0	Solar	(1,941)	(\$279.00)	YES	(1,232)	7,358	Yes	No
555	(\$385.19)	5.6	Solar	(2,401)	(\$340.54)	YES	(2,044)	6,856	Yes	Yes
556	(\$657.18)	5.3	Solar	(3,133)	(\$470.95)	YES	(2,285)	6,439	Yes	Yes
557	(\$66.84)	5.0	Solar	(1,405)	(\$181.47)	YES	(45)	6,132	Yes	No

558	(\$196.54)	4.5	Solar	(1,224)	(\$159.37)	YES	(309)	5,519	Yes	No
559	(\$752.07)	7.6	Solar	(3,732)	(\$563.53)	NO	(3,506)	9,321	Not Applicable	Not Applicable
560	(\$269.49)	3.6	Solar	(2,643)	(\$386.48)	YES	(895)	4,415	Yes	No
561	(\$485.47)	6.0	Solar	(3,185)	(\$484.51)	YES	(1,637)	7,383	Yes	No
562	(\$345.11)	4.3	Solar	(2,577)	(\$374.45)	YES		5,274	No	No
563	(\$1,370.92)	7.2	Solar	(3,922)	(\$625.70)	YES	(2,975)	8,830	Yes	Yes
564	(\$68.50)	3.0	Solar	(760)	(\$78.75)	YES	(219)	3,679	Yes	No
565	(\$1,695.60)	14.6	Solar	(6,718)	(\$1,008.43)	YES	(4,301)	17,930	Yes	No
566	(\$246.76)	3.8	Solar	(1,676)	(\$244.90)	YES	(684)	4,660	Yes	No
567	(\$426.27)	5.0	Solar	(1,225)	(\$147.74)	YES	(991)	6,132	Yes	No
568	(\$187.15)	3.0	Solar	(2,008)	(\$272.30)	YES	(1,488)	3,679	Yes	Yes
569	(\$312.13)	10.0	Solar	(1,637)	(\$199.08)	YES	1,622	12,264	No	No
570	(\$302.77)	5.0	Solar	(1,679)	(\$224.04)	YES	(1,482)	6,132	Yes	No
571	(\$70.86)	2.5	Solar	(1,065)	(\$120.40)	YES	50	3,066	No	No
572	(\$754.44)	7.6	Solar	(4,959)	(\$793.79)	NO	(4,858)	9,321	Not Applicable	Not Applicable
573	(\$322.79)	5.0	Solar	(2,776)	(\$408.47)	YES	(1,912)	6,132	Yes	Yes
574	(\$854.68)	4.2	Solar	(2,770)	(\$407.11)	YES	(2,148)	5,200	Yes	Yes
575	(\$784.19)	6.0	Solar	(3,128)	(\$477.98)	YES	(2,669)	7,358	Yes	Yes
576	(\$725.80)	6.0	Solar	(3,797)	(\$573.43)	YES	(3,569)	7,358	Yes	Yes
577	(\$829.71)	10.0	Solar	(4,958)	(\$783.12)	YES	(2,369)	12,264	Yes	No
578	(\$221.61)	3.0	Solar	(1,151)	(\$131.77)	YES	(853)	3,679	Yes	No
579	(\$459.47)	2.6	Solar	(3,460)	(\$515.53)	YES	(3,110)	3,201	Yes	Yes
580	(\$288.52)	5.5	Solar	(2,171)	(\$315.39)	YES	(1,821)	6,745	Yes	Yes
581	(\$426.37)	6.5	Solar	(2,441)	(\$362.88)	YES	(818)	7,972	Yes	No
582	(\$84.57)	5.5	Solar	(1,890)	(\$266.61)	YES	(377)	6,745	Yes	No
583	(\$715.62)	6.0	Solar	(3,277)	(\$494.66)	YES	(2,820)	7,358	Yes	Yes
584	(\$1,962.33)	10.0	Solar	(5,515)	(\$878.41)	YES	(5,147)	12,264	Yes	Yes
585	(\$245.08)	6.0	Solar	(2,635)	(\$396.81)	YES	(1,640)	7,358	Yes	No
586	(\$417.63)	3.0	Solar	(913)	(\$83.85)	YES	(518)	3,679	Yes	No
587	(\$187.52)	2.5	Solar	(1,179)	(\$128.08)	YES	(357)	3,066	Yes	No
588	(\$687.49)	10.0	Solar	(3,287)	(\$508.58)	YES	(1,803)	12,264	Yes	No
589	(\$0.40)	4.0	Solar	(938)	(\$107.70)	YES	126	4,906	No	No
590	(\$417.63)	6.8	Solar	(5,244)	(\$832.16)	YES	(4,925)	8,321	Yes	Yes
591	(\$277.47)	3.8	Solar	(1,737)	(\$224.26)	YES	(1,537)	4,599	Yes	Yes
592	(\$571.04)	7.6	Solar	(1,789)	(\$230.41)	YES	(1,464)	9,321	Yes	No
593	(\$392.72)	7.6	Solar	(4,699)	(\$727.50)	YES	(4,687)	9,321	Yes	Yes
594	(\$199.64)	3.6	Solar	(1,780)	(\$234.85)	YES	(1,631)	4,415	Yes	Yes
595	(\$224.01)	5.0	Solar	(1,960)	(\$272.31)	YES	(900)	6,132	Yes	No
596	(\$898.15)	5.2	Solar	(5,117)	(\$806.86)	YES		6,377	No	No
597	(\$338.85)	3.9	Solar	(2,527)	(\$373.14)	YES	(1,827)	4,746	Yes	Yes
598	(\$245.45)	8.5	Solar	(2,685)	(\$399.78)	YES	(1,848)	10,424	Yes	No
599	(\$262.49)	4.2	Solar	(1,689)	(\$234.34)	YES	(1,218)	5,151	Yes	No
600	(\$762.37)	5.0	Solar	(2,010)	(\$283.17)	YES	(846)	6,132	Yes	No
601	(\$417.48)	6.6	Solar	(3,405)	(\$524.55)	YES	(2,530)	8,094	Yes	Yes
602	(\$433.70)	6.0	Solar	(3,466)	(\$514.40)	NO	(2,340)	7,358	Not Applicable	Not Applicable
603	(\$270.33)	6.0	Solar	(1,929)	(\$259.79)	YES	(1,668)	7,358	Yes	No
604	(\$27.73)	7.6	Solar	(2,486)	(\$395.13)	YES	(672)	9,321	Yes	No
605	(\$911.94)	3.8	Solar	(2,358)	(\$333.21)	YES	(2,354)	4,660	Yes	Yes
606	(\$134.31)	6.0	Solar	(1,559)	(\$236.41)	YES	280	7,358	No	No
607	(\$1,305.00)	6.0	Solar	(3,768)	(\$571.20)	YES	(3,789)	7,358	Yes	Yes
608	(\$287.95)	4.2	Solar	(2,225)	(\$314.12)	YES	(2,002)	5,151	Yes	Yes

609	(\$78.33)	2.6	Solar	(1,042)	(\$111.01)	YES	(906)	3,164	Yes	Yes
610	(\$115.49)	7.1	Solar	(2,298)	(\$334.59)	YES	1,139	8,707	No	No
611	(\$329.18)	3.0	Solar	(1,346)	(\$136.45)	YES	(1,309)	3,679	Yes	Yes
612	(\$230.90)	7.5	Solar	(2,587)	(\$385.55)	YES	(513)	9,198	Yes	No
613	(\$599.05)	7.8	Solar	(4,840)	(\$778.68)	YES	(4,622)	9,566	Yes	Yes
614	(\$1,565.63)	14.2	Solar	(4,474)	(\$734.69)	YES	(469)	17,403	Yes	No
615	(\$855.54)	7.5	Solar	(2,502)	(\$363.22)	YES	(1,526)	9,198	Yes	No
616	(\$428.31)	4.7	Solar	(2,480)	(\$347.10)	YES	(2,212)	5,801	Yes	Yes
617	(\$2,829.76)	10.0	Solar	(6,889)	(\$1,119.05)	YES	(6,461)	12,264	Yes	Yes
618	(\$247.84)	3.0	Solar	(1,624)	(\$212.49)	YES	(1,323)	3,679	Yes	Yes
619	(\$590.92)	5.0	Solar	(1,685)	(\$233.24)	YES	(602)	6,132	Yes	No
620	(\$310.01)	5.0	Solar	(1,737)	(\$214.62)	YES	(1,646)	6,132	Yes	Yes
621	(\$497.72)	4.0	Solar	(1,620)	(\$207.41)	YES	(1,573)	4,906	Yes	Yes
622	(\$1,349.26)	6.3	Solar	(3,068)	(\$449.46)	YES	(2,665)	7,665	Yes	Yes
623	(\$589.42)	4.2	Solar	(2,616)	(\$367.65)	YES	(2,248)	5,151	Yes	Yes
624	(\$333.41)	4.2	Solar	(3,389)	(\$509.08)	YES	(3,184)	5,151	Yes	Yes
625	(\$2,146.94)	8.4	Solar	(4,396)	(\$692.68)	YES	(2,405)	10,302	Yes	No
626	(\$253.37)	5.8	Solar	(2,243)	(\$312.47)	YES	(1,586)	7,125	Yes	No
627	(\$399.71)	5.0	Solar	(2,840)	(\$407.89)	YES	(2,861)	6,132	Yes	Yes
628	(\$857.93)	7.2	Solar	(6,195)	(\$1,005.29)	YES	(3,400)	8,830	Yes	Yes
629	(\$1,191.71)	7.8	Solar	(6,746)	(\$1,093.81)	YES	(6,635)	9,566	Yes	Yes
630	(\$27.23)	2.5	Solar	(1,122)	(\$147.65)	YES	(220)	3,066	Yes	No
631	(\$931.39)	5.0	Solar	(2,309)	(\$321.63)	YES	(2,091)	6,132	Yes	Yes
632	(\$58.54)	4.3	Solar	(1,336)	(\$169.46)	YES	(383)	5,212	Yes	No
633	(\$437.68)	6.0	Solar	(5,349)	(\$848.41)	YES	(5,339)	7,358	Yes	Yes
634	(\$1,371.54)	11.4	Solar	(3,888)	(\$606.03)	YES	(2,560)	13,981	Yes	No
635	(\$740.60)	13.5	Solar	(5,798)	(\$930.10)	YES	(2,380)	16,556	Yes	No
636	(\$860.81)	7.8	Solar	(8,184)	(\$1,342.54)	YES	(8,108)	9,566	Yes	Yes
637	(\$946.13)	7.8	Solar	(6,216)	(\$1,005.52)	YES	(6,185)	9,566	Yes	Yes
638	(\$628.71)	13.6	Solar	(6,830)	(\$1,109.78)	YES	1,314	16,679	No	No
639	(\$392.72)	6.0	Solar	(4,580)	(\$712.37)	YES	(4,466)	7,358	Yes	Yes
640	(\$561.38)	4.2	Solar	(3,070)	(\$445.74)	YES	(2,451)	5,151	Yes	Yes
641	(\$1,331.48)	5.3	Solar	(2,812)	(\$415.49)	YES	(2,673)	6,439	Yes	Yes
642	(\$661.75)	5.0	Solar	(2,114)	(\$293.18)	YES	(1,560)	6,132	Yes	Yes
643	(\$6.58)	3.6	Solar	(969)	(\$108.30)	YES	(490)	4,415	Yes	No
644	(\$1,599.01)	7.6	Solar	(5,647)	(\$900.72)	YES	(4,977)	9,321	Yes	Yes
645	(\$1,557.83)	8.8	Solar	(3,298)	(\$500.73)	YES	(2,508)	10,731	Yes	No
646	(\$26.38)	4.0	Solar	(798)	(\$89.15)	YES	(237)	4,906	Yes	No
647	(\$29.56)	2.0	Solar	(865)	(\$87.95)	YES	(449)	2,453	Yes	No
648	(\$34.75)	5.0	Solar	(1,539)	(\$206.73)	YES	(242)	6,132	Yes	No
649	(\$651.82)	5.3	Solar	(2,653)	(\$380.38)	YES	(2,359)	6,439	Yes	Yes
650	(\$871.70)	7.0	Solar	(5,497)	(\$876.61)	YES	(5,473)	8,585	Yes	Yes
651	(\$121.99)	3.5	Solar	(1,218)	(\$132.48)	YES	(992)	4,292	Yes	No
652	(\$314.61)	7.6	Solar	(2,603)	(\$377.76)	YES	(2,159)	9,321	Yes	No
653	(\$1,828.14)	6.0	Solar	(2,766)	(\$425.78)	YES	(2,260)	7,358	Yes	Yes
654	(\$1,283.53)	7.2	Solar	(6,193)	(\$1,002.97)	YES	(5,888)	8,830	Yes	Yes
655	(\$1,112.28)	7.8	Solar	(7,928)	(\$1,294.74)	YES	(7,700)	9,566	Yes	Yes
656	(\$724.03)	6.5	Solar	(2,997)	(\$479.50)	YES	(2,301)	7,972	Yes	Yes
657	(\$248.41)	10.0	Solar	(1,785)	(\$253.99)	YES	(767)	12,264	Yes	No
658	(\$334.86)	9.0	Solar	(3,268)	(\$415.15)	YES	(2,345)	11,038	Yes	No
659	(\$109.14)	5.0	Solar	(1,413)	(\$180.66)	YES	36	6,132	No	No

660	(\$360.17)	1.8	Solar	(2,039)	(\$287.72)	YES	(1,418)	2,146	Yes	Yes
661	(\$193.90)	7.3	Solar	(1,783)	(\$256.55)	YES	(640)	8,891	Yes	No
662	(\$314.18)	6.0	Solar	(1,671)	(\$201.69)	YES	(80)	7,358	Yes	No
663	(\$131.87)	3.9	Solar	(1,839)	(\$208.39)	YES	(986)	4,746	Yes	No
664	(\$180.56)	5.2	Solar	(2,046)	(\$288.40)	YES	(622)	6,328	Yes	No
665	(\$1,159.15)	6.0	Solar	(4,235)	(\$668.00)	YES	(3,332)	7,358	Yes	Yes
666	(\$31.23)	8.3	Solar	(1,808)	(\$246.04)	YES	234	10,118	No	No
667	(\$869.75)	7.8	Solar	(5,017)	(\$791.63)	YES	(4,794)	9,615	Yes	Yes
668	(\$151.86)	5.0	Solar	(1,672)	(\$217.00)	YES	(1,142)	6,071	Yes	No
669	(\$2,076.17)	8.6	Solar	(7,465)	(\$1,210.48)	YES	(7,297)	10,547	Yes	Yes
670	(\$107.02)	7.5	Solar	(1,565)	(\$213.40)	YES	(522)	9,198	Yes	No
671	(\$438.54)	7.6	Solar	(1,949)	(\$283.36)	YES	(1,287)	9,321	Yes	No
672	(\$133.47)	5.0	Solar	(1,448)	(\$197.64)	YES	(643)	6,132	Yes	No
673	(\$15.10)	7.0	Solar	(2,504)	(\$366.54)	YES	(1,673)	8,585	Yes	No
674	(\$601.64)	6.0	Solar	(4,720)	(\$726.55)	YES	(4,706)	7,358	Yes	Yes
675	(\$258.35)	7.2	Solar	(6,562)	(\$1,080.82)	YES	(3,815)	8,830	Yes	Yes
676	(\$1,872.49)	12.0	Solar	(8,414)	(\$1,376.19)	YES	(8,197)	14,717	Yes	Yes
677	(\$54.45)	2.1	Solar	(947)	(\$117.54)	YES	40	2,575	No	No
678	(\$273.92)	4.5	Solar	(2,579)	(\$380.80)	YES	(2,443)	5,519	Yes	Yes
679	(\$490.63)	10.0	Solar	(2,236)	(\$332.77)	YES	589	12,264	No	No
680	(\$1,006.85)	7.2	Solar	(6,324)	(\$1,026.17)	YES	(6,188)	8,830	Yes	Yes
681	(\$981.13)	5.5	Solar	(2,607)	(\$378.10)	YES	(2,560)	6,745	Yes	Yes
682	(\$391.07)	2.6	Solar	(3,479)	(\$544.31)	YES	(2,483)	3,164	Yes	Yes
683	(\$227.03)	6.5	Solar	(2,355)	(\$342.63)	YES	(1,029)	7,910	Yes	No
684	(\$203.60)	3.4	Solar	(1,027)	(\$119.08)	YES	(636)	4,219	Yes	No
685	(\$1,004.16)	7.6	Solar	(3,971)	(\$607.30)	YES	(2,896)	9,321	Yes	Yes
686	(\$1,062.43)	11.0	Solar	(2,625)	(\$391.61)	YES	(1,240)	13,490	Yes	No
687	(\$1,497.71)	11.5	Solar	(10,642)	(\$1,654.87)	YES	(10,933)	14,104	Yes	Yes
688	(\$408.43)	6.0	Solar	(1,648)	(\$224.85)	YES	(560)	7,358	Yes	No
689	(\$2,136.81)	8.6	Solar	(8,589)	(\$1,412.96)	YES	(8,257)	10,547	Yes	Yes
690	(\$274.51)	2.8	Solar	(1,796)	(\$222.41)	YES	(1,783)	3,434	Yes	Yes
691	(\$88.11)	7.6	Solar	(7,229)	(\$1,173.56)	YES	(7,033)	9,321	Yes	Yes
692	(\$369.48)	6.5	Solar	(4,137)	(\$598.99)	YES	(3,632)	7,910	Yes	Yes
693	(\$424.55)	4.0	Solar	(1,476)	(\$179.44)	YES	(1,279)	4,906	Yes	Yes
694	(\$368.80)	7.2	Solar	(2,306)	(\$332.86)	YES	(1,580)	8,830	Yes	No
695	(\$566.89)	4.0	Solar	(1,870)	(\$245.02)	YES	(1,397)	4,906	Yes	Yes
696	(\$1,653.28)	9.2	Solar	(9,773)	(\$1,635.35)	YES	(9,448)	11,283	Yes	Yes
697	(\$15.68)	6.5	Solar	(6,548)	(\$1,063.91)	YES	(6,503)	7,910	Yes	Yes
698	(\$1,468.51)	4.2	Solar	(3,723)	(\$579.00)	YES	(2,849)	5,151	Yes	Yes
699	(\$2,955.93)	11.0	Solar	(9,984)	(\$1,651.05)	YES	(9,782)	13,490	Yes	Yes
700	(\$89.55)	3.8	Solar	(1,226)	(\$144.08)	YES	(739)	4,660	Yes	No
701	(\$2,385.82)	8.6	Solar	(9,736)	(\$1,616.58)	YES	(9,586)	10,547	Yes	Yes
702	(\$813.39)	9.0	Solar	(8,337)	(\$1,358.27)	YES	(8,361)	11,038	Yes	Yes
703	(\$388.02)	5.0	Solar	(1,621)	(\$219.55)	YES	(1,206)	6,132	Yes	No
704	(\$431.99)	8.3	Solar	(3,650)	(\$540.36)	YES	(4,044)	10,118	Yes	Yes
705	(\$38.34)	5.0	Solar	(4,300)	(\$579.81)	YES	(4,203)	6,132	Yes	Yes
706	(\$537.04)	3.9	Solar	(2,596)	(\$381.49)	YES	(1,597)	4,746	Yes	Yes
707	(\$4,318.24)	11.0	Solar	(12,346)	(\$2,066.72)	YES	(12,197)	13,490	Yes	Yes
708	(\$270.77)	3.0	Solar	(1,260)	(\$154.62)	YES	(577)	3,679	Yes	No
709	(\$562.56)	5.2	Solar	(1,807)	(\$244.47)	YES	(1,138)	6,328	Yes	No
710	(\$1,637.45)	9.0	Solar	(3,590)	(\$507.80)	YES	(472)	11,038	Yes	No

711	(\$5.26)	6.2	Solar	(5,867)	(\$834.75)	YES	(5,641)	7,653	Yes	Yes
712	(\$618.27)	10.5	Solar	(4,748)	(\$755.97)	YES	(2,510)	12,914	Yes	No
713	(\$224.48)	2.8	Solar	(1,333)	(\$155.37)	YES	(1,118)	3,434	Yes	Yes
714	(\$298.34)	2.2	Solar	(878)	(\$93.37)	YES	(603)	2,637	Yes	No
715	(\$2,888.60)	10.0	Solar	(3,245)	(\$400.99)	YES	(3,052)	12,264	Yes	No
716	(\$1,034.61)	7.6	Solar	(7,026)	(\$1,042.80)	YES	(6,650)	9,321	Yes	Yes
717	(\$52.08)	2.2	Solar	(781)	(\$71.93)	YES	(661)	2,637	Yes	Yes
718	(\$989.58)	11.4	Solar	(12,628)	(\$1,968.56)	YES	(12,159)	13,981	Yes	Yes
719	(\$989.39)	5.2	Solar	(2,930)	(\$433.31)	YES	(2,572)	6,328	Yes	Yes
720	(\$255.66)	3.2	Solar	(2,127)	(\$287.62)	YES	(1,842)	3,961	Yes	Yes
721	(\$1,558.92)	6.0	Solar	(6,280)	(\$1,014.65)	YES	(6,572)	7,358	Yes	Yes
722	(\$1,091.44)	6.0	Solar	(7,431)	(\$1,213.68)	YES	(7,526)	7,358	Yes	Yes
723	(\$1,381.42)	1.2	Wind	(1,365)	(\$202.37)	YES	(89)	1,472	Yes	No
724	(\$114.03)	3.0	Solar	(793)	(\$60.16)	YES	(737)	3,679	Yes	No
725	(\$2,342.11)	12.0	Solar	(14,415)	(\$2,456.40)	YES	(14,410)	14,717	Yes	Yes
726	(\$306.01)	5.2	Solar	(620)	(\$79.88)	YES	4,426	6,328	No	No
727	(\$244.26)	8.3	Solar	(9,568)	(\$1,587.01)	YES	(9,591)	10,118	Yes	Yes
728	(\$489.69)	8.7	Solar	(4,280)	(\$670.06)	YES	(1,138)	10,670	Yes	No
729	(\$86.19)	10.0	Solar	(14,117)	(\$2,240.66)	YES	(13,798)	12,264	Yes	Yes
730	(\$216.99)	9.5	Solar	(10,067)	(\$1,547.07)	YES	(10,117)	11,651	Yes	Yes
731	(\$48.18)	11.4	Solar	(9,979)	(\$1,645.57)	YES	(9,979)	13,981	Yes	Yes
732	(\$2,170.94)	9.3	Solar	(7,551)	(\$1,220.84)	YES	(6,583)	11,381	Yes	Yes
733	(\$261.28)	6.0	Solar	(2,867)	(\$433.22)	YES	(1,388)	7,358	Yes	No
734	(\$349.77)	6.0	Solar	(2,075)	(\$292.27)	YES	(1,768)	7,358	Yes	No
735	(\$1,311.05)	4.0	Solar	(2,560)	(\$300.03)	YES	(2,290)	4,906	Yes	Yes
736	(\$2,468.62)	4.7	Solar	(3,496)	(\$516.95)	YES	(3,526)	5,801	Yes	Yes
737	(\$75.53)	5.6	Solar	(4,591)	(\$715.15)	YES	(4,383)	6,868	Yes	Yes
738	(\$233.77)	1.3	Solar	(1,150)	(\$51.96)	YES	(1,141)	1,582	Yes	Yes
739	(\$12.65)	5.9	Solar	(3,653)	(\$495.15)	YES	(3,625)	7,236	Yes	Yes
740	(\$437.31)	7.6	Solar	(3,377)	(\$520.17)	YES	600	9,321	No	No
741	(\$263.38)	10.4	Solar	(2,660)	(\$399.45)	YES	2,843	12,755	No	No
742	(\$229.42)	5.0	Solar	(6,631)	(\$1,081.58)	YES	(6,405)	6,132	Yes	Yes
743	(\$1,958.41)	4.0	Solar	(1,583)	(\$205.81)	YES	(1,035)	4,906	Yes	No
744	(\$31.56)	8.0	Solar	(9,923)	(\$1,646.52)	YES	(9,867)	9,811	Yes	Yes
745	(\$736.83)	7.0	Solar	(4,035)	(\$617.30)	YES	(1,896)	8,585	Yes	No
746	(\$84.14)	4.8	Solar	(4,257)	(\$675.76)	YES	(4,125)	5,887	Yes	Yes
747	(\$2,738.11)	4.0	Solar	(3,543)	(\$532.65)	YES	(3,418)	4,906	Yes	Yes
748	(\$5,513.35)	5.3	Solar	(5,926)	(\$943.33)	YES	(5,923)	6,500	Yes	Yes
749	(\$1,831.51)	4.7	Solar	(6,138)	(\$987.46)	YES	(6,176)	5,801	Yes	Yes
750	(\$393.78)	4.0	Solar	(1,419)	(\$176.28)	YES	(1,386)	4,906	Yes	Yes
TOTAL	(\$257,653.17)	4,890.5		(1,864,166)	(\$276,931.53)					

PUC 3-2

Request:

Referencing National Grid's response to PUC 1-4:

- a. Please add a column to the table indicated which facilities are traditional behind-the-meter facilities and which are remote facilities.
- b. For these behind the meter facilities, does the energy sold into the wholesale market represent the total energy generated by the facility or the net export of energy over the month (or some other time interval)?
- c. If the amount sold is the net export of energy over some time interval, please explain how that net is measured.
- d. If the amount sold is the net export of energy over some time interval, does the net energy *not exported* (i.e. the energy that serves to reduce the customer's load on site) reduce ISO-NE's Installed Capacity Requirement? For example, if the facility is registered as a Settlement Only Generator, but all the energy is actually consumed on site, would all, some, or none of the load served onsite be reconstituted for the purpose of calculating Installed Capacity Requirement?

Response:

- a. Attachment PUC 3-2 has the revised table provided in the Company's response to PUC 1-4 indicating which facilities are traditional behind-the-meter and which are remote facilities. 42 out of 104 facilities are behind-the-meter facilities.
- b. The asset registered BTM NM facility energy reported to the ISO-NE is the net excess generation at the point of common coupling ("PCC") where the interval revenue meter is installed. The Company submits on a daily basis the hourly data to ISO-NE as required by ISO-NE's Market Rule 1 and Operating Procedure 18.
- c. The net export of energy is calculated by a multi-channel bidirectional interval revenue meter installed at the PCC capable of recording energy every 15 minutes. Channel 1 records the energy delivered to the facility (i.e., load) while Channel 3 records the energy received from the facility to the grid (net excess at the PCC). The Channel 3 kWh data is then aggregated by the hour (four 15-minute intervals) and netted against the Channel 1 Delivered Load data. Any hour when there is net load at the facility is reported to ISO-NE as zero and any hour when there is net excess generation is reported to the ISO-NE as hourly generation. Sign convention for data reporting is identified in section 7.2.3 of ISO-NE's Manual 28.

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- d. If the load at the customer site is reduced by generation during the hour of the coincident peak for the ISO-NE system, and the site has interval metering, the generation will reduce the customer's calculated installed capacity tag ("ICAP") and is not reconstituted. As the Installed Capacity Requirement ("ICR") uses the sum of all customer ICAP tags as part of its calculation, then the ICR could conceivably be reduced. However, unless large amounts of generation were operating at the coincident peak, it is unlikely it would be material.

	Asset Tag	Generating Facility	Fuel Type	Behind the Meter or Remote Facility (Standalone)	Nameplate Capacity	Total Kwh	Total Dollars
(1)	11827	PORTSMOUTH ABBEY WIND QF	Wind	Standalone	660.0	216,999	\$7,209
(2)	37230	UNITED NAT. FOODS PROV. RI PV	Solar	Standalone	75.0	30,144	\$730
(3)	37965	BIO-DETEK PAWTUCKET RI PV	Solar	Standalone	164.0	39,204	\$860
(4)	40246	HODGES BADGE CO WIND	Wind	Standalone	225.0	19,498	\$491
(5)	41821	NEW ENGLAND TECH WIND	Wind	Standalone	100.0	1,235	\$29
(6)	41839	ARPIN ASSOCIATES - PV	Solar	Standalone	150.0	12,609	\$237
(7)	41847	FISHERMENS MEMORIAL PARK - WIND	Wind	Standalone	100.0	47,645	\$1,503
(8)	43492	NARR BAY - 02903WT4500NM	Wind	Standalone	4,500.0	1,711,588	\$45,559
(9)	43657	RIPTA - 02907PV300NM	Solar	Standalone	300.0	3	\$0
(10)	43956	MILLWORK-02920PV495NM	Solar	Standalone	495.0	184,655	\$4,165
(11)	46717	EAST BAY-02915PV70NM	Solar	Standalone	70.0	21,055	\$477
(12)	47283	NATIONAL MARKER-02896PV186NM	Solar	Standalone	185.6	66,376	\$1,464
(13)	48665	IMPERIAL DELTAH-02914PV264NM	Solar	Standalone	264.0	131,563	\$2,955
(14)	48787	KNIGHT FARM-02828PV70NM	Solar	Standalone	70.0	44,621	\$1,115
(15)	48788	HOWLANDASS.-02865PV136NM	Solar	Standalone	136.2	13,728	\$318
(16)	48811	ALVES238E.MAINRD-02842PV86.4NM	Solar	Standalone	86.4	133,549	\$3,862
(17)	48824	KJA PROPERTIES-02842PV63NM	Solar	Standalone	63.0	52,692	\$1,340
(18)	48913	VALLEYST.MILL-02909PV98NM	Solar	Standalone	98.0	123,378	\$3,123
(19)	49001	NEXAMFACTORYST-02893PV384NM	Solar	Standalone	384.0	485,830	\$12,635
(20)	49289	FUREYROOFINGCO-02888PV29NM	Solar	Standalone	28.8	18,249	\$418
(21)	49292	NATCOPRODUCTS-02893PV375NM	Solar	Standalone	375.0	50,943	\$1,241
(22)	49331	SHALOMHOUSING-02886WT100NM	Wind	Standalone	100.0	3,941	\$125
(23)	49354	SEAVIEWINLLC-02842PV180NM	Solar	Standalone	180.0	6,312	\$131
(24)	49631	CROMWELLVENTURES-02907PV69NM	Solar	Standalone	69.0	85,873	\$2,354
(25)	49404	PKPROPERTIES-02914PV120NM	Solar	Standalone	119.9	17,926	\$430
(26)	49409	GMHMIL.HOUSING-02842PV612NM	Solar	Standalone	612.0	397,734	\$9,414
(27)	49411	NBC COV WIND	Wind	Standalone	1,500.0	11,228,696	\$376,762
(28)	49412	W WARWICK COV WIND	Wind	Standalone	4,500.0	10,132,736	\$322,923
(29)	49414	LUCY'SHEARTH-02842PV29NM	Solar	Standalone	28.8	5,751	\$133
(30)	49768	AQUIDNECKCUSTOM-02809PV28NM	Solar	Standalone	28.8	11,624	\$265
(31)	50060	QUALITYDRIVELLC-02865PV1116NM	Solar	Standalone	1,116.0	1,604,688	\$41,575
(32)	50073	BRISTOLBUFFETLLC-02809PV46NM	Solar	Standalone	46.0	11,555	\$319
(33)	50078	EMBRACELOANS#25-02842PV133NM	Solar	Standalone	133.0	6,942	\$128
(34)	50197	ARDENJEWELRY-02919PV108NM	Solar	Standalone	108.0	88,403	\$2,081
(35)	50223	COV.SCHOOL-SOLECT-02816PV100NM	Solar	Standalone	100.0	44,717	\$1,306
(36)	50230	EMBRACELOANS110-02842PV133NM	Solar	Standalone	133.0	66,496	\$1,544
(37)	50232	AAANORTHEASTLNC-02915PV150NM	Solar	Standalone	149.5	118,949	\$2,793
(38)	50594	MILLSCOFFEEROAST-02905PV37.8NM	Solar	Standalone	37.8	19,396	\$458
(39)	50595	FAIRGROUNDSREALTY-02892PV144NM	Solar	Standalone	144.0	114,781	\$2,787
(40)	50602	CRANSTON SOLAR	Solar	Standalone	7,750.0	17,109,093	\$437,331
(41)	50626	WARWICKPOULTRY-02908PV252NM	Solar	Standalone	252.0	545,848	\$12,654
(42)	50639	GREEN HILL WIND	Wind	Standalone	3,000.0	4,212,779	\$108,942
(43)	50642	SHUN II WIND	Wind	Standalone	3,000.0	4,595,405	\$118,802
(44)	50643	SHUN I WIND	Wind	Standalone	3,000.0	4,522,270	\$121,372
(45)	50799	STORAGEUSA741-02919PV86.4NM	Solar	BTM	86.4	76,614	\$2,138
(46)	50804	THURSTONSAILS-02809PV35NM	Solar	BTM	34.5	92,425	\$1,917
(47)	50811	PROVWATERSUPPLY-02907PV496NM	Solar	BTM	496.0	439,174	\$9,918
(48)	50812	87TOMHARVEYRD-02891PV167NM	Solar	BTM	166.5	234,384	\$5,412
(49)	50819	WEDKINGTOWNWEST-02898PV1500NM	Solar	Standalone	1,500.0	2,110,760	\$56,351
(50)	50821	WEDKINGTOWNEAST-02898PV3000NM	Solar	Standalone	3,000.0	3,963,484	\$111,950
(51)	50828	STOFRIPOWERS-02908PV140NM	Solar	BTM	140.0	6,065	\$120
(52)	50872	EXTRASPACESTORAGE-02891PV60NM	Solar	BTM	57.6	40,550	\$920
(53)	50880	TOWNOFWESTERLY-02891PV60NM	Solar	BTM	60.0	32,677	\$815
(54)	50894	PIERCLEANERS-02879PV35NM	Solar	BTM	34.8	19,026	\$448
(55)	66005	SHANIX-02920PV46NM	Solar	BTM	46.0	48,989	\$1,218
(56)	66076	HORSESHOEFARM-02891PV46NM	Solar	BTM	45.6	42,757	\$1,269
(57)	66096	CHURCHCOMMHOUSING_02878PV43NM	Solar	BTM	43.2	5,746	\$105

(58)	66105	CHOICECOLLISION-02885PM98NM	Solar	BTM	98.0	44,039	\$1,061
(59)	66108	STOFRI353-02903PV58NM	Solar	BTM	57.6	1,651	\$35
(60)	66168	CHARIHOREGSCHL_02894PV36NM	Solar	BTM	36.0	11,935	\$194
(61)	66170	KBSURFACESLLC_02876PV216NM	Solar	BTM	216.0	110,761	\$2,688
(62)	66199	CHEPACHETPROF_02814PV46NM	Solar	BTM	45.6	100,960	\$2,299
(63)	66241	JAMESTOWNFOOD-02835SOLAR56NM	Solar	BTM	56.0	20,100	\$404
(64)	66259	BCPSTOR-02921PV120NM	Solar	BTM	120.0	250,061	\$5,455
(65)	66284	310COMPASSCIRCLE02852-1(MW)NM	Solar	Standalone	1,000.0	1,741,317	\$45,364
(66)	67297	INDIANRUN_02879PV225NM	Solar	BTM	225.0	422,698	\$9,603
(67)	67412	PEACEDALEMILLS02879SOLAR216NM	Solar	BTM	216.0	1,058,643	\$23,053
(68)	67431	SOUTHERNSKY02886SOLAR4992NM	Solar	Standalone	4,992.0	7,999,871	\$220,474
(69)	67432	KEARSARGE02879SOLAR3780NM	Solar	Standalone	3,780.0	5,879,572	\$164,533
(70)	67438	SOUTHERNSKY02904SOLAR2100NM	Solar	Standalone	2,100.0	3,439,924	\$93,199
(71)	67439	FINLAYEXTRACT02852SOLAR133.2NM	Solar	BTM	133.2	9,823	\$200
(72)	67446	STATEOFRI02920SOLAR84NM	Solar	Standalone	84.0	497,321	\$10,181
(73)	67447	KEARSARGE02892SOLAR3100NM	Solar	Standalone	3,100.0	5,041,551	\$144,484
(74)	67478	LAURELLNREC02892SOLAR106.4NM	Solar	BTM	106.4	109,874	\$3,137
(75)	67499	STATEOFRI328_01752SOLAR43.2NM	Solar	BTM	43.2	364,068	\$7,839
(76)	67536	SOUTHERNSKY_01607PV780NM	Solar	Standalone	780.0	1,098,935	\$30,739
(77)	67550	D&PLIQUORS02808SOLAR40NM	Solar	BTM	40.0	449,533	\$8,965
(78)	67553	HOUSATONICSLR102919SOLAR3000NM	Solar	Standalone	3,000.0	4,216,271	\$110,228
(79)	67559	GRANITESTRG02891SOLAR99.9NM	Solar	BTM	99.9	178,827	\$4,241
(80)	67564	OCEANSTVET02818SOLAR105.3NM	Solar	BTM	105.3	16,653	\$320
(81)	67565	BANKOFNEWPORT02842SOLAR300NM	Solar	BTM	300.0	237,039	\$4,938
(82)	67606	NSMITHFIELDLR02896SLR1250NM	Solar	Standalone	1,250.0	1,498,158	\$38,074
(83)	67630	BARDEN02857SOLAR27.2NM	Solar	BTM	27.2	169,354	\$3,826
(84)	67654	HERRESHOFF02809SOLAR43.2NM	Solar	BTM	43.2	647,697	\$14,153
(85)	67684	SOUTHERNSKY1_02919SOLAR1200NM	Solar	Standalone	1,620.0	1,569,256	\$37,965
(86)	67685	SOUTHERNSKY2_02919SOLAR1620NM	Solar	Standalone	1,200.0	2,610,031	\$62,974
(87)	67689	GREENDVLPMT02865SOLAR3000NM	Solar	Standalone	3,000.0	2,922,525	\$73,497
(88)	67717	SOUTHCOUNTY02892SOLAR66.6NM	Solar	BTM	66.6	464,699	\$9,615
(89)	67793	RICHMONDSLRI_02894SOLAR4005NM	Solar	Standalone	4,005.0	3,032,622	\$80,397
(90)	67804	ARKLAND02860SOLAR30NM	Solar	BTM	30.0	16,148	\$395
(91)	68182	JERRYSPAIN02882SOLAR26.88NM	Solar	BTM	26.9	7,498	\$192
(92)	68184	WALMARTEAST02852SOLAR360NM	Solar	BTM	360.0	2	\$0
(93)	68189	BAYCOAST02878SOLAR26.4NM	Solar	BTM	26.4	5,733	\$137
(94)	68191	HERRICK&WHITE02864SOLAR187NM	Solar	BTM	187.0	42,050	\$823
(95)	68214	RALCOLND02895SOLAR120NM	Solar	BTM	120.0	45,797	\$1,100
(96)	68270	BAKEFORDPROP02852SOLAR30	Solar	BTM	30.0	14,477	\$367
(97)	68309	CAPTONAPART02919SOLAR2010NM	Solar	Standalone	2,010.0	1,003,423	\$24,967
(98)	68313	ISMSOLARDEV02839SOLAR2540NM	Solar	Standalone	2,540.0	1,027,908	\$24,083
(99)	68333	JHDAVISLLC02860SOLARNM37.8	Solar	BTM	250.0	571	\$10
(100)	68361	WALMART0288SOLAR360NM	Solar	BTM	360.0	4,832	\$124
(101)	68397	STEDMAN02879SOLAR30NM	Solar	BTM	30.0	3,353	\$130
(102)	68471	AUTOZONE02907SOLAR45NM	Solar	BTM	45.0	576	\$16
(103)	68481	REDWOOD02864SOLAR57.6NM	Solar	BTM	57.6	164	\$4
(104)	68568	GREENDEVELOP02898SOLAR1250NM	Solar	Standalone	1,250.0	1,756	\$36
(105)				Subtotal		113,860,187	\$3,113,460
(106)				Adjustment		4,524,973	\$150,605
(107)				Total		118,385,160	\$3,264,065

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5005
In Re: 2020 Electric Retail Rate Filing
Responses to the Commission's First Set of Data Requests
Issued on August 18, 2020

PUC 3-3

Request:

Referencing National Grid's response to PUC 1-4, from where does Grid derive the kWh sales volumes in "total kWh"? For example, is this National Grid's reported meter data, ISO-NE's settlement output, or some other information?

Response:

The Sales report volumes in "total kWh" is the aggregated total from the ISO-NE UNITASM settlement report for the specified period. The generation is reconciled to the ISO-NE invoices **paid** during the period January 2019 through December 2019. The generation on those ISO bills is for the period January 9, 2019 through January 10, 2020

PUC 3-4

Request:

Referencing National Grid's response to PUC 1-4, in some rows the sales volumes listed in "total kWh" exceed estimates of annual production from using National Grid's average capacity factor of 14%? For example, Line 72 lists an 84 kW solar facility that sold 497,321 kWh of excess generation to ISO-NE in 2019. Using National Grid's average capacity factor of 14%, an 84 kW solar facility should generate roughly 103,000 kWh. Please explain how this is possible.

Response:

Assets were shown with generation exceeding estimates of annual production (kWh) on the list provided in response to PUC 1-4 due to a formulaic error. When adding daily generation each month to calculate 2019 totals for each system, 45 assets had added generation values from other assets on the same list. Corrected annual generation values as provided in the ISO-NE UNITASM settlement report can be found in column H in Attachment PUC 3-4. As shown in line (118) of Attachment PUC 3-4, aggregate generation in 2019 has remained the same despite the miscalculation for some individual assets' production.

Of the 45 systems impacted by this calculation error, 7 maintain an annual generation greater than that estimated using their Nameplate Rating (AC) and the Company's standard average 14% capacity factor. Being an average value, it is not surprising there will be projects where this capacity factor is higher or lower than this figure, based on actual orientation of the panels and the number of panels. In the case of wind turbines, generation will depend on local wind conditions. Column (i) show the approximate annual generation for these systems if estimates were oversized and based on the asset's Nameplate Rating (DC) and the standard DC capacity factor of 16.1 percent. These estimates are much closer to the revised generation values in column (g), though still slightly lower. Variances in estimated generation based on each system's AC rating are listed in columns (j) (in kWh) and (k) (as a percent), variances in estimated generation based on each solar system's DC ratings are listed in columns (m) (in kWh) and (n) (as a percent). In cases where actual generation, column (g), is higher than both estimates, it is possible that the system was oversized.

The Company is looking into assets 50602, 67793, 68309, and 68313 due to their significant discrepancies between estimated and actual generation, even considering potential oversizing of systems. The Company will report back to PUC when the cause of the issue is discovered.

2019 Total

Revised 2019 Generation Data

Solar Generation Estimates and Variance from Actuals

Asset Tag	Generating Facility	Fuel Type	Nameplate Capacity	Total Kwh	Total Dollars
(a)	(b)	(c)	(d)	(e)	(f)
(1) 49411	NBC COV WIND	Wind	1,500.0	11,228,696	\$376,762
(2) 50602	CRANSTON SOLAR	Solar	7,750.0	17,109,093	\$437,331
(3) 49412	W WAR WICK COV WIND	Wind	4,500.0	10,132,736	\$322,923
(4) 67431	SOUTHERNSKY02886SOLAR4992NM	Solar	4,992.0	7,999,871	\$220,474
(5) 67447	KEARSARGE02892SOLAR3100NM	Solar	3,100.0	5,041,551	\$144,484
(6) 67432	KEARSARGE02879SOLAR3780NM	Solar	3,780.0	5,879,572	\$164,533
(7) 50643	SHUN I WIND	Wind	3,000.0	4,522,270	\$121,372
(8) 67553	HOUSATONICSLR102919SOLAR3000NM	Solar	3,000.0	4,216,271	\$110,228
(9) 67685	SOUTHRNSKY2 02919SOLAR1620NM	Solar	1,200.0	2,610,031	\$62,974
(10) 67438	SOUTHERNSKY02904SOLAR2100NM	Solar	2,100.0	3,439,924	\$93,199
(11) 50642	SHUN II WIND	Wind	3,000.0	4,595,405	\$118,802
(12) 50821	WEDKINGSTOWNEAST-02898PV3000NM	Solar	3,000.0	3,963,484	\$111,950
(13) 50639	GREEN HILL WIND	Wind	3,000.0	4,212,779	\$108,942
(14) 66284	310COMPASSCIRCLE02852-1(MW)NM	Solar	1,000.0	1,741,317	\$45,364
(15) 67536	SOUTHERNSKY 01607PV780NM	Solar	780.0	1,098,935	\$30,739
(16) 50060	QUALITYDRIVELLC-02865PV1116NM	Solar	1,116.0	1,604,688	\$41,575
(17) 67606	NSMITHFIELDSLR02896SLR1250NM	Solar	1,250.0	1,498,158	\$38,074
(18) 50819	WEDKINGSTOWNWEST-02898PV1500NM	Solar	1,500.0	2,110,760	\$56,351
(19) 48811	ALVES238E.MAINRD-02842PV86.4NM	Solar	86.4	133,549	\$3,862
(20) 49001	NEXAMPFACTORYST-02893PV384NM	Solar	384.0	485,830	\$12,635
(21) 48913	VALLEYST.MILL-02909PV98NM	Solar	98.0	123,378	\$3,123
(22) 49361	CROMWELLVENTURES-02907PV69NM	Solar	69.0	85,873	\$2,354
(23) 67630	BARDENO2857SOLAR27.2NM	Solar	27.2	169,354	\$3,826
(24) 67412	PEACEDALEMILLS02879SOLAR216NM	Solar	216.0	1,058,643	\$23,053
(25) 66005	SHANIX-02920PV46NM	Solar	46.0	48,989	\$1,218
(26) 66076	HORSESHOEFARM-02891PV46NM	Solar	46.0	42,757	\$1,269
(27) 67478	LAURELLNREC02892SOLAR106.4NM	Solar	106.4	109,874	\$3,137
(28) 67804	ARKLAND02860SOLAR30NM	Solar	30.0	16,148	\$395
(29) 49289	FUREYROOFINGCO-02888PV29NM	Solar	28.8	18,249	\$418
(30) 68270	BAKEFORDPPO02852SOLAR30	Solar	30.0	14,477	\$367
(31) 49768	AQUIDNECKCUSTOM-02809PV28NM	Solar	28.8	11,624	\$265
(32) 48824	KJA PROPERTIES-02842PV63NM	Solar	63.0	52,692	\$1,340
(33) 50804	THURSTONSAILS-02809PV35NM	Solar	35.0	92,425	\$1,917
(34) 67550	D&PLIQUORS02808SOLAR40NM	Solar	40.0	449,533	\$8,965
(35) 68182	JERRYSPAINTO2882SOLAR26.88NM	Solar	26.9	7,498	\$192
(36) 50894	PIERCLEANERS-02879PV35NM	Solar	34.8	19,026	\$448
(37) 66259	BCPSTOR-02921PV120NM	Solar	120.0	250,061	\$5,455
(38) 66199	CHEPACHETPROF 02814PV46NM	Solar	46.0	100,960	\$2,299
(39) 68189	BAYCOAST02878SOLAR26.4NM	Solar	26.4	5,733	\$137
(40) 50594	MILLSCOFFEEOROAST-02905PV37.8NM	Solar	37.8	19,396	\$458
(41) 50799	STORAGEUSA741-02919PV86.4NM	Solar	86.4	76,614	\$2,138
(42) 50872	EXTRAPACESTORAGE-02891PV60NM	Solar	57.6	40,550	\$920
(43) 67559	GRANITESTRGO2891SOLAR99.9NM	Solar	99.9	178,827	\$4,241
(44) 67654	HERRSHOFF02809SOLAR43.2NM	Solar	43.2	647,697	\$14,153
(45) 49414	LUCY'SHEARTH-02842PV29NM	Solar	28.8	5,751	\$133
(46) 68397	STEDMAN02879SOLAR30NM	Solar	30.0	3,353	\$130
(47) 67499	STATEOFRI328 01752SOLAR43.2NM	Solar	43.2	364,068	\$7,839
(48) 50880	TOWNOFWESTERLY-02891PV60NM	Solar	60.0	32,677	\$815
(49) 68537	HAVANA02886SOLAR33.6NM	Solar	33.6	-	\$0
(50) 48787	KNIGHT FARM-02828PV70NM	Solar	70.0	44,621	\$1,115
(51) 50197	ARDENJEWELRY-02919PV108NM	Solar	108.0	88,403	\$2,081
(52) 66168	CHARIHOREGGSCHL 02894PV36NM	Solar	36.0	11,935	\$194
(53) 50073	BRISTOLBUFFETLLC-02809PV46NM	Solar	46.0	11,555	\$319
(54) 50088	RICANNONBLDG-02904PV40NM	Solar	40.0	-	\$0
(55) 66096	CHURCHCOMMHOUSING 02878PV43NM	Solar	43.2	5,746	\$105
(56) 68471	AUTOZONE02907SOLAR45NM	Solar	45.0	576	\$16

Total kWh	Total Dollars
(g)	(h)
11,228,696	\$376,762
17,093,327	\$437,035
10,132,736	\$322,923
8,513,341	\$231,433
5,728,768	\$158,971
6,431,610	\$176,442
4,929,993	\$130,818
4,878,502	\$123,869
2,596,557	\$63,103
3,623,651	\$96,490
4,572,492	\$118,149
4,500,042	\$122,936
4,179,522	\$108,191
1,552,981	\$40,928
1,253,793	\$33,952
1,604,688	\$41,575
1,645,518	\$40,949
1,900,669	\$52,274
133,549	\$3,862
485,830	\$12,635
123,378	\$3,123
85,873	\$2,354
31,724	\$783
258,919	\$6,761
49,856	\$1,228
47,973	\$1,376
119,161	\$3,340
20,076	\$475
18,249	\$418
14,477	\$367
11,624	\$265
52,692	\$1,340
17,345	\$380
23,748	\$565
7,498	\$192
16,792	\$405
121,035	\$2,844
29,618	\$700
5,733	\$137
19,396	\$458
78,785	\$2,169
42,759	\$965
94,481	\$2,357
23,643	\$525
5,751	\$133
3,353	\$130
17,940	\$381
33,189	\$824
-	\$0
44,621	\$1,115
88,403	\$2,081
-	\$0
11,555	\$319
-	\$0
1,755	\$35
576	\$16

Estimated Generation AC Rating	Variance (kWh)	% Variance	Estimated Generation DC Rating (kWh)	Variance	% Variance
(i)	(j)	(k)	(l)	(m)	(n)
N/A	N/A	N/A	N/A	N/A	N/A
9,504,600	(7,588,727)	180%	7,514,398	(9,578,929)	227%
N/A	N/A	N/A	N/A	N/A	N/A
6,122,189	(2,391,152)	139%	8,852,830	339,489	96%
3,801,840	(1,926,928)	151%	6,163,273	434,505	93%
4,635,792	(1,795,818)	139%	6,398,803	(32,807)	101%
N/A	N/A	N/A	N/A	N/A	N/A
3,679,200	(1,199,302)	133%	5,532,842	654,340	88%
1,471,680	(1,124,877)	176%	2,244,165	(352,392)	116%
2,575,440	(1,048,211)	141%	3,878,490	254,839	93%
N/A	N/A	N/A	N/A	N/A	N/A
3,679,200	(820,842)	122%	5,441,169	941,127	83%
N/A	N/A	N/A	N/A	N/A	N/A
1,226,400	(326,581)	127%	1,760,129	207,148	88%
956,592	(297,201)	131%	1,464,038	210,245	86%
1,368,662	(236,026)	117%	1,692,432	87,744	95%
1,533,000	(112,518)	107%	1,839,600	194,082	89%
1,839,600	(61,069)	103%	2,588,011	687,342	73%
105,961	(27,588)	126%	127,153	(6,396)	105%
470,938	(14,892)	103%	727,746	241,916	67%
120,187	(3,191)	103%	160,781	37,403	77%
84,622	(1,251)	101%	104,705	18,832	82%
33,358	1,634	95%	40,030	8,306	79%
264,902	5,983	98%	365,565	106,646	71%
56,414	6,558	88%	67,697	17,841	74%
55,924	7,951	86%	67,109	19,136	71%
130,489	11,328	91%	156,587	37,426	76%
36,792	16,716	55%	50,773	30,697	40%
35,320	17,071	52%	42,384	24,135	43%
36,792	22,315	39%	50,773	36,296	29%
35,320	23,696	33%	42,384	30,760	27%
77,263	24,571	68%	92,716	40,024	57%
42,311	24,966	41%	56,414	39,069	31%
49,056	25,308	48%	70,095	46,347	34%
32,966	25,468	23%	45,493	37,995	16%
42,617	25,825	39%	51,141	34,349	33%
147,168	26,133	82%	213,246	92,211	57%
55,924	26,306	53%	82,929	53,311	36%
32,377	26,644	18%	44,680	38,947	13%
46,358	26,962	42%	55,630	36,234	35%
105,961	27,176	74%	127,153	48,368	62%
70,641	27,882	61%	84,769	42,010	50%
122,517	28,036	77%	168,185	73,704	56%
52,980	29,337	45%	72,422	48,779	33%
35,320	29,569	16%	42,384	36,633	14%
36,792	33,439	9%	50,773	47,420	7%
52,980	35,040	34%	78,275	60,335	23%
73,584	40,395	45%	88,301	55,112	38%
41,207	41,207	N/A	56,866	56,866	N/A
85,848	41,227	52%	118,470	73,849	38%
132,451	44,048	67%	158,941	70,538	56%
44,150	44,150	N/A	52,980	52,980	N/A
56,414	44,859	20%	67,697	56,142	17%
49,056	49,056	N/A	67,697	67,697	N/A
52,980	51,225	3%	63,577	61,822	3%
55,188	54,612	1%	76,159	75,583	1%

(118)

Grand Total

118,385,160 \$3,264,065

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5005
In Re: 2020 Electric Retail Rate Filing
Responses to the Commission's First Set of Data Requests
Issued on August 18, 2020

PUC 3-5

Request:

Referencing National Grid's response to PUC 1-2, please provide the same information, but breakout the historical data provided for each rate class further into behind-the-meter and remote facilities.

Response:

Please see Attachment PUC 3-5 for the requested information.

Net Metering Credit Monetary Value (Renewable Generation Credits)

Total

	A16	A60	C06	G02	G32	Total
2009	(\$2,805)	(\$70)	(\$1,170)	\$0	(\$240,647)	(\$244,692)
2010	(\$4,552)	(\$99)	(\$1,028)	\$0	(\$329,863)	(\$335,542)
2011	(\$4,494)	(\$35)	(\$2,969)	(\$850)	(\$214,875)	(\$223,223)
2012	(\$7,846)	(\$248)	(\$13,987)	(\$1,629)	(\$143,176)	(\$166,886)
2013	(\$12,772)	(\$640)	(\$34,986)	(\$1,547)	(\$3,274)	(\$53,218)
2014	(\$26,144)	(\$821)	(\$37,858)	(\$9,483)	\$0	(\$74,306)
2015	(\$49,771)	(\$1,668)	(\$61,054)	(\$14,760)	(\$1,714)	(\$128,967)
2016	(\$144,746)	(\$1,070)	(\$1,185,899)	(\$16,402)	(\$3,013)	(\$1,351,130)
2017	(\$209,665)	(\$1,838)	(\$3,697,933)	(\$13,298)	(\$11,218)	(\$3,933,952)
2018	(\$286,830)	(\$3,163)	(\$5,188,377)	(\$27,279)	\$0	(\$5,505,651)
2019	(\$573,013)	(\$11,989)	(\$20,542,686)	(\$55,504)	(\$306)	(\$21,183,499)

Net Metering Credit Volume (kWh Exported - Generation in excess of Use)

Total

	A16	A60	C06	G02	G32	Total
2009	(19,593)	(648)	(7,942)	-	(2,113,159)	(2,141,342)
2010	(31,037)	(746)	(7,099)	-	(3,460,321)	(3,499,203)
2011	(35,969)	(330)	(24,298)	(9,990)	(2,663,399)	(2,733,986)
2012	(61,246)	(2,263)	(90,736)	(19,813)	(1,705,789)	(1,879,847)
2013	(88,169)	(4,955)	(237,664)	(16,544)	(39,175)	(386,507)
2014	(181,746)	(6,333)	(270,722)	(96,289)	-	(555,090)
2015	(305,642)	(8,189)	(392,578)	(118,565)	(23,742)	(848,716)
2016	(945,801)	(7,663)	(8,034,352)	(179,170)	(47,686)	(9,214,672)
2017	(1,471,497)	(14,657)	(26,084,334)	(149,160)	(6,437)	(27,726,085)
2018	(1,753,055)	(21,273)	(31,777,494)	(270,604)	-	(33,822,426)
2019	(3,284,454)	(69,300)	(119,982,615)	(547,594)	(2,857)	(123,886,820)

Net Metering Credit Monetary Value (Renewable Generation Credits)

Remote Facilities

	A16	A60	C06	G02	G32	Total
2009	\$0	\$0	\$0	\$0	\$0	\$0
2010	\$0	\$0	\$0	\$0	\$0	\$0
2011	\$0	\$0	\$0	\$0	\$0	\$0
2012	\$0	\$0	\$0	\$0	\$0	\$0
2013	\$0	\$0	\$0	\$0	\$0	\$0
2014	\$0	\$0	\$0	\$0	\$0	\$0
2015	\$0	\$0	\$0	\$0	\$0	\$0
2016	\$0	\$0	(\$686,409)	\$0	\$0	(\$686,409)
2017	\$0	\$0	(\$3,597,967)	\$0	\$0	(\$3,597,967)
2018	\$0	\$0	(\$5,061,467)	\$0	\$0	(\$5,061,467)
2019	\$0	\$0	(\$20,346,614)	\$0	\$0	(\$20,346,614)

Net Metering Credit Volume (kWh Exported - Generation in excess of Use)

Remote Facilities

	A16	A60	C06	G02	G32	Total
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	(4,746,533)	-	-	(4,746,533)
2017	-	-	(21,353,938)	-	-	(21,353,938)
2018	-	-	(29,957,752)	-	-	(29,957,752)
2019	-	-	(104,818,490)	-	-	(104,818,490)

**Net Metering Credit Monetary Value (Renewable Generation Credits)
Behind the Meter**

	A16	A60	C06	G02	G32	Total
2009	(\$2,805)	(\$70)	(\$1,170)	\$0	(\$240,647)	(\$244,692)
2010	(\$4,552)	(\$99)	(\$1,028)	\$0	(\$329,863)	(\$335,542)
2011	(\$4,494)	(\$35)	(\$2,969)	(\$850)	(\$214,875)	(\$223,223)
2012	(\$7,846)	(\$248)	(\$13,987)	(\$1,629)	(\$143,176)	(\$166,886)
2013	(\$12,772)	(\$640)	(\$34,986)	(\$1,547)	(\$3,274)	(\$53,218)
2014	(\$26,144)	(\$821)	(\$37,858)	(\$9,483)	\$0	(\$74,306)
2015	(\$49,771)	(\$1,668)	(\$61,054)	(\$14,760)	(\$1,714)	(\$128,967)
2016	(\$144,746)	(\$1,070)	(\$499,490)	(\$16,402)	(\$3,013)	(\$664,721)
2017	(\$209,665)	(\$1,838)	(\$99,966)	(\$13,298)	(\$11,218)	(\$335,985)
2018	(\$286,830)	(\$3,163)	(\$126,910)	(\$27,279)	\$0	(\$444,183)
2019	(\$573,013)	(\$11,989)	(\$196,072)	(\$55,504)	(\$306)	(\$836,885)

**Net Metering Credit Volume (kWh Exported - Generation in excess of Use)
Behind the Meter**

	A16	A60	C06	G02	G32	Total
2009	(19,593)	(648)	(7,942)	-	(2,113,159)	(2,141,342)
2010	(31,037)	(746)	(7,099)	-	(3,460,321)	(3,499,203)
2011	(35,969)	(330)	(24,298)	(9,990)	(2,663,399)	(2,733,986)
2012	(61,246)	(2,263)	(90,736)	(19,813)	(1,705,789)	(1,879,847)
2013	(88,169)	(4,955)	(237,664)	(16,544)	(39,175)	(386,507)
2014	(181,746)	(6,333)	(270,722)	(96,289)	-	(555,090)
2015	(305,642)	(8,189)	(392,578)	(118,565)	(23,742)	(848,716)
2016	(945,801)	(7,663)	(3,287,819)	(179,170)	(47,686)	(4,468,139)
2017	(1,471,497)	(14,657)	(4,730,396)	(149,160)	(6,437)	(6,372,147)
2018	(1,753,055)	(21,273)	(1,819,742)	(270,604)	-	(3,864,674)
2019	(3,284,454)	(69,300)	(15,164,125)	(547,594)	(2,857)	(19,068,330)

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5005
In Re: 2020 Electric Retail Rate Filing
Responses to the Commission's First Set of Data Requests
Issued on August 18, 2020

PUC 3-6

Request:

Referencing National Grid's response to PUC 1-3 regarding remote net metering facilities, please provide the total kWh and monetary value of net metering credits transferred from remote facilities to customer accounts broken out by rate class of the customer accounts. In other words, the total number of net metering credits and value that were transferred to A-16, A-60, C-06, etc. customers. As in PUC 1-2, please provide this information by year back to 2009.

Response:

Please reference the below table showing monetary value of net metering credits transferred from the existing 49 remote facilities to customer's accounts broken out by rate class of the recipient customers. The Company automated the transfer of net metering credits early in 2018 and was able to provide information back to 2018. Prior to the automation credit transfers were done manually and recorded to the billing system. Fortunately, prior to 2018, only 13 of these facilities were on-line. Pulling the information for these 13 will take approximately 3-4 weeks to compile manually. The Company will provide the additional information as a supplement to PUC 3-6 when it is available. Currently, the table below is the most accurate and recent available representation of the mix of account types. In addition, the kWh data will also require a manual analysis, the results of which will be included in the Company's supplemental response to PUC 3-6.

RATE CLASS	CY 2018	CY 2019	CY 2020
A16	\$31,970	\$411,304	\$532,685
A60		\$1,817	\$3,349
C06	\$136,670	\$744,310	\$764,829
C08	\$258	\$57,938	\$56,906
G02	\$677,308	\$4,665,834	\$4,694,510
G32	\$2,696,670	\$11,354,885	\$11,279,690
LIGHTING S10	\$205	\$4,572	\$2,940
LIGHTING S14	\$170,986	\$1,070,505	\$759,336
LIGHTING S5	\$135,257	\$2,098,001	\$2,608,163

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5005
In Re: 2020 Electric Retail Rate Filing
Responses to the Commission's First Set of Data Requests
Issued on August 18, 2020

PUC 3-7

Request:

Referencing PUC 3-5, please provide the same information but by municipality rather than rate class.

Response:

Please see Attachment PUC 3-7 for the requested information.

Net Metering Credit Monetary Value (Renewable Generation Credits)

Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Adamsville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$66)	(\$217)	(\$501)	(\$821)
Ashaway	(\$28)	(\$44)	\$0	\$0	(\$73)	(\$37)	(\$82)	(\$73)	(\$427)	(\$324)	(\$720)
Barrington	\$0	\$0	\$0	(\$13)	(\$171)	(\$70)	(\$784)	(\$1,032)	(\$2,054)	(\$3,527)	(\$10,826)
Bradford	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$195)	(\$147)	(\$389)	(\$2,355)
Bristol	(\$1)	(\$33)	(\$51)	(\$144)	(\$815)	(\$1,924)	(\$2,152)	(\$4,780)	(\$5,341)	(\$10,136)	(\$16,300)
Burrillville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$625)	(\$475)	(\$601)	(\$1,033)
Carolina	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$152)	(\$909)
Central Falls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$49)	(\$1,017)	(\$3,759)
Charlestown	(\$125)	(\$327)	(\$583)	(\$634)	(\$858)	(\$962)	(\$2,130)	(\$3,412)	(\$6,575)	(\$9,699)	(\$19,422)
Chepachet	\$0	\$0	\$0	\$0	(\$43)	(\$396)	(\$541)	(\$1,669)	(\$1,459)	(\$1,401)	(\$3,493)
Clayville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$15)	(\$83)	(\$228)	(\$319)
Coventry	\$0	(\$12)	(\$1)	\$0	\$0	(\$766)	\$0	(\$909,305)	(\$2,714,308)	(\$2,604,249)	(\$3,396,194)
Cranston	(\$3)	\$0	\$0	(\$2)	(\$204)	(\$3,161)	(\$1,844)	(\$6,607)	(\$10,030)	(\$21,685)	(\$2,949,232)
Cumberland	(\$46)	(\$169)	(\$109)	(\$659)	(\$554)	(\$585)	(\$1,374)	(\$4,854)	(\$4,137)	(\$6,120)	(\$15,401)
East Greenwich	\$0	\$0	\$0	\$0	(\$92)	(\$421)	(\$729)	(\$2,295)	(\$1,923)	(\$3,265)	(\$5,695)
East Providence	\$0	\$0	\$0	\$0	\$0	\$0	(\$560)	(\$3,183)	(\$16,942)	(\$10,075)	(\$12,431)
Esmond	\$0	\$0	\$0	(\$276)	(\$331)	(\$186)	(\$234)	(\$387)	(\$892)	(\$1,309)	(\$3,067)
Exeter	\$0	\$0	\$0	(\$208)	(\$862)	(\$2,003)	(\$2,431)	(\$4,316)	(\$2,139)	(\$2,692)	(\$4,214)
Forestdale	\$0	\$0	\$0	\$0	\$0	\$0	(\$205)	(\$761)	(\$567)	(\$1,000)	(\$662)
Foster	\$0	(\$858)	(\$555)	(\$894)	(\$746)	(\$2,367)	(\$2,800)	(\$3,467)	(\$6,475)	(\$7,700)	(\$11,133)
Glendale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$565)	(\$991)
Glocester	(\$8)	(\$3)	(\$3)	\$0	\$0	\$0	\$0	(\$131)	(\$2,191)	(\$3,139)	(\$4,710)
Greene	\$0	\$0	\$0	\$0	\$0	\$0	(\$620)	(\$2,136)	(\$2,374)	(\$2,608)	(\$3,333)
Greenville	\$0	\$0	\$0	\$0	\$0	\$0	(\$159)	(\$1,632)	(\$2,960)	(\$3,786)	(\$4,685)
Harmony	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$212)
Hope	(\$86)	(\$41)	(\$0)	(\$4)	(\$60)	(\$845)	(\$1,578)	(\$1,680)	(\$1,720)	(\$1,981)	(\$3,290)
Hope Valley	\$0	(\$36)	(\$9)	(\$30)	(\$48)	(\$40)	(\$135)	(\$1,784)	(\$2,919)	(\$820,896)	(\$1,114,536)
Hopkinton	(\$251)	(\$278)	(\$157)	(\$118)	(\$212)	(\$16)	(\$179)	(\$51)	(\$300)	(\$353)	(\$1,002)
Jamestown	(\$8)	(\$10)	\$0	(\$419)	(\$529)	(\$838)	(\$1,622)	(\$4,031)	(\$5,152)	(\$4,932)	(\$17,435)
Johnston	(\$11)	(\$184)	(\$132)	(\$1)	(\$306)	(\$1,335)	(\$1,574)	(\$4,335)	(\$4,644)	(\$67,736)	(\$5,153,236)
Kingston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$277)	(\$299)	(\$1,233)	(\$3,326)
Lincoln	\$0	\$0	\$0	(\$278)	(\$72)	(\$71)	(\$363)	(\$1,662)	(\$103,227)	(\$252,071)	(\$909,442)
Little Compton	(\$22)	(\$104)	(\$311)	(\$1,246)	(\$1,619)	(\$2,618)	(\$3,803)	(\$12,825)	(\$10,819)	(\$17,867)	(\$25,399)
Manville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$111)	(\$179)
Mapleville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$592)	(\$186,898)
Middletown	(\$194)	(\$135)	(\$109)	(\$255)	(\$1,490)	(\$3,858)	(\$10,139)	(\$27,725)	(\$50,101)	(\$61,233)	(\$80,845)
Misquamicut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,123)	(\$6,052)	(\$9,127)	(\$37,017)
Narragansett	(\$321)	(\$513)	(\$1,660)	(\$2,381)	(\$2,488)	(\$6,228)	(\$8,335)	(\$12,554)	(\$10,814)	(\$14,067)	(\$22,154)
Newport	\$0	\$0	(\$7)	(\$23)	(\$103)	(\$643)	(\$1,205)	(\$2,742)	(\$3,511)	(\$6,045)	(\$10,426)
North Kingstown	(\$35)	(\$21)	(\$109)	(\$2,967)	(\$21)	(\$32)	(\$598)	(\$2,545)	(\$2,465)	(\$67,535)	(\$274,988)
North Providence	(\$72)	(\$88)	(\$23)	(\$66)	(\$80)	(\$85)	(\$51)	(\$967)	(\$1,325)	(\$80,708)	(\$637,683)
Pawtucket	\$0	(\$36)	(\$74)	(\$91)	(\$81)	(\$340)	(\$6,256)	(\$2,043)	(\$2,244)	(\$5,115)	(\$20,307)
Peace Dale	(\$18)	(\$105)	(\$76)	(\$289)	(\$471)	(\$872)	(\$1,335)	(\$5,138)	(\$5,779)	(\$142,837)	(\$1,140,116)
Portsmouth	(\$240,647)	(\$329,863)	(\$214,964)	(\$136,280)	(\$40)	(\$228)	(\$1,973)	(\$206,125)	(\$763,139)	(\$790,190)	(\$935,811)
Providence	(\$775)	(\$530)	(\$2,612)	(\$8,663)	(\$11,175)	(\$12,682)	(\$18,111)	(\$24,108)	(\$48,831)	(\$59,191)	(\$86,754)
Prudence Island	(\$2)	(\$111)	(\$92)	(\$129)	(\$57)	(\$2)	(\$1)	\$0	(\$168)	(\$200)	(\$358)
Quonset	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$14)
Riverside	\$0	\$0	\$0	\$0	\$0	\$0	(\$74)	(\$703)	(\$5,501)	(\$7,498)	(\$11,941)
Rumford	\$0	\$0	(\$2)	(\$2)	(\$217)	(\$501)	(\$982)	(\$778)	(\$801)	(\$1,071)	(\$2,412)
Saunderstown	(\$69)	(\$70)	(\$44)	(\$113)	(\$137)	(\$582)	(\$724)	(\$1,609)	(\$2,048)	(\$2,185)	(\$5,400)
Scituate	(\$88)	(\$129)	(\$99)	(\$110)	(\$244)	(\$848)	(\$781)	(\$1,428)	(\$1,848)	(\$2,570)	(\$9,243)
Shannock	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$775)
Slatersville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$9)	(\$300)	(\$584)	(\$1,457)
Smithfield	\$0	\$0	\$0	\$0	(\$757)	(\$883)	(\$1,504)	(\$7,426)	(\$6,383)	(\$7,695)	(\$320,870)
Tiverton	(\$45)	(\$3)	(\$1)	(\$1,611)	(\$22,471)	(\$22,465)	(\$34,398)	(\$31,825)	(\$17,900)	(\$14,264)	(\$20,639)
Wakefield	(\$82)	(\$412)	(\$327)	(\$429)	(\$726)	(\$1,564)	(\$2,731)	(\$7,601)	(\$11,309)	(\$14,125)	(\$25,056)
Warren	(\$179)	(\$66)	(\$50)	(\$224)	(\$39)	(\$199)	(\$921)	(\$3,199)	(\$2,643)	(\$3,314)	(\$6,901)
Warwick	(\$7)	\$0	\$0	\$0	\$0	(\$246)	(\$391)	(\$5,208)	(\$10,269)	(\$164,224)	(\$1,723,124)
West Greenwich	\$0	(\$11)	\$0	\$0	(\$48)	(\$50)	(\$52)	(\$1,036)	(\$2,582)	(\$2,864)	(\$5,313)
West Kingston	(\$481)	(\$216)	(\$255)	(\$251)	(\$259)	(\$227)	(\$4,195)	(\$961)	(\$915)	(\$123,762)	(\$972,182)
West Warwick	\$0	\$0	\$0	(\$6,905)	(\$3,759)	(\$1,017)	(\$2,936)	(\$16,142)	(\$62,098)	(\$52,575)	(\$98,052)
Westerly	(\$894)	(\$695)	(\$474)	(\$722)	(\$609)	(\$1,491)	(\$4,663)	\$0	\$0	(\$3,455)	(\$6,233)
Wood River Junction	\$0	\$0	\$0	(\$7)	(\$28)	(\$91)	(\$315)	(\$133)	(\$721)	(\$807)	(\$821,433)
Woonsocket	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,641)	(\$2,414)	(\$2,456)	(\$14,434)
Wyoming	(\$193)	(\$440)	(\$335)	(\$444)	(\$325)	(\$531)	(\$399)	(\$1,774)	(\$947)	(\$2,019)	(\$4,901)
Total	(\$244,692)	(\$335,542)	(\$223,223)	(\$166,886)	(\$53,218)	(\$74,306)	(\$128,967)	(\$1,351,130)	(\$3,933,952)	(\$5,505,651)	(\$21,183,498)

Net Metering Credit Volume (kWh Exported - Generation in excess of Use)

Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Adamsville	-	-	-	-	-	-	-	-	(431)	(1,554)	(3,114)	(4,762)
Ashaway	(197)	(298)	-	-	(498)	(253)	(506)	(476)	(3,065)	(2,011)	(4,158)	
Barrington	-	-	-	(102)	(1,170)	(487)	(4,468)	(6,777)	(14,385)	(21,636)	(61,880)	
Bradford	-	-	-	-	-	-	-	(1,355)	(1,027)	(2,333)	(13,581)	
Bristol	(10)	(223)	(422)	(1,118)	(7,595)	(20,586)	(21,852)	(43,171)	(48,117)	(67,336)	(99,211)	
Burrillville	-	-	-	-	-	-	(2)	(4,092)	(3,386)	(3,714)	(5,969)	
Carolina	-	-	-	-	-	-	-	-	-	(939)	(5,300)	
Central Falls	-	-	-	-	-	-	-	-	(351)	(6,609)	(22,100)	
Charlestown	(1,029)	(2,306)	(4,822)	(4,944)	(5,953)	(6,729)	(13,978)	(22,466)	(46,427)	(59,232)	(110,793)	
Chepachet	-	-	-	-	(302)	(2,754)	(3,320)	(10,950)	(10,196)	(8,496)	(20,061)	
Clayville	-	-	-	-	-	-	-	(99)	(550)	(1,397)	(1,794)	
Coventry	-	(79)	(12)	-	-	(8,400)	-	(6,296,788)	(19,108,102)	(15,974,496)	(19,389,552)	
Cranston	(22)	-	-	(12)	(1,406)	(18,743)	(18,743)	(49,535)	(70,802)	(135,476)	(17,620,760)	
Cumberland	(320)	(1,151)	(849)	(5,129)	(3,813)	(4,109)	(8,480)	(31,847)	(28,798)	(37,765)	(93,846)	
East Greenwich	-	-	-	-	(638)	(2,943)	(4,483)	(15,054)	(13,413)	(20,056)	(32,605)	
East Providence	-	-	-	-	-	-	-	(3,284)	(29,202)	(63,935)	(94,363)	
Esmond	-	-	-	(2,139)	(2,282)	(1,271)	(1,438)	(2,609)	(6,175)	(8,054)	(17,521)	
Exeter	-	-	-	(1,836)	(5,983)	(13,985)	(15,205)	(28,604)	(15,293)	(16,903)	(24,070)	
Forestdale	-	-	-	-	-	-	(1,258)	(5,005)	(3,861)	(6,158)	(3,805)	
Foster	-	(5,860)	(4,331)	(7,041)	(5,166)	(16,492)	(17,203)	(22,822)	(45,482)	(47,330)	(63,928)	
Glendale	-	-	-	-	-	-	-	-	-	(3,511)	(5,792)	
Glocester	(57)	(18)	(25)	-	-	-	-	(856)	(15,841)	(19,090)	(27,373)	
Greene	-	-	-	-	-	-	(3,802)	(14,491)	(17,257)	(16,623)	(19,552)	
Greenville	-	-	-	-	-	-	(972)	(11,770)	(22,175)	(24,869)	(28,213)	
Harmony	-	-	-	-	-	-	-	-	-	-	(1,244)	
Hope	(604)	(282)	(3)	(34)	(413)	(5,901)	(9,910)	(11,378)	(12,348)	(12,403)	(18,975)	
Hope Valley	-	(249)	(72)	(228)	(329)	(274)	(870)	(12,076)	(20,054)	(5,273,255)	(6,509,034)	
Hopkinton	(1,709)	(1,915)	(1,244)	(924)	(1,456)	(110)	(1,101)	(338)	(2,139)	(2,170)	(5,816)	
Jamestown	(55)	-	-	(3,457)	(3,665)	(5,821)	(9,987)	(24,918)	(36,145)	(30,177)	(100,173)	
Johnston	(79)	(1,261)	(1,008)	(5)	(2,112)	(9,299)	(9,884)	(25,321)	(35,788)	(404,041)	(30,052,267)	
Kingston	-	-	-	-	-	-	-	(1,821)	(2,096)	(7,565)	(19,183)	
Lincoln	-	-	-	(2,964)	(495)	(489)	(2,231)	(10,888)	(735,947)	(1,602,933)	(5,359,103)	
Little Compton	(153)	(711)	(2,513)	(10,105)	(11,277)	(18,731)	(23,782)	(84,653)	(76,661)	(109,978)	(145,882)	
Manville	-	-	-	-	-	-	-	-	-	(687)	(1,010)	
Mapleville	-	-	-	-	-	-	-	-	-	(3,643)	(1,100,092)	
Middletown	(1,355)	(922)	(880)	(2,036)	(10,325)	(26,823)	(63,685)	(189,062)	(357,694)	(383,147)	(467,555)	
Misquamicut	-	-	-	-	-	-	-	(55,544)	(42,850)	(57,374)	(293,379)	
Narragansett	(2,242)	(3,500)	(16,431)	(24,856)	(21,066)	(51,989)	(54,388)	(92,250)	(85,559)	(93,010)	(132,977)	
Newport	-	-	(55)	(178)	(716)	(4,435)	(7,400)	(17,995)	(24,716)	(39,457)	(60,176)	
North Kingstown	(247)	(143)	(863)	(102)	(142)	(230)	(3,649)	(16,908)	(16,608)	(397,752)	(1,613,338)	
North Providence	(501)	(599)	(190)	(508)	(551)	(586)	(314)	(6,330)	(9,475)	(439,316)	(3,722,610)	
Pawtucket	-	(243)	(606)	(712)	(557)	(2,381)	(44,994)	(20,680)	(16,036)	(34,336)	(116,567)	
Peace Dale	(125)	(714)	(609)	(2,235)	(3,256)	(6,056)	(8,238)	(33,808)	(40,027)	(774,682)	(6,678,660)	
Portsmouth	(2,113,159)	(3,460,321)	(2,664,139)	(1,595,782)	(277)	(1,590)	(12,121)	(1,249,147)	(5,376,638)	(4,864,855)	(5,333,907)	
Providence	(5,403)	(3,622)	(21,582)	(71,295)	(78,038)	(88,693)	(115,312)	(178,805)	(364,283)	(387,446)	(527,087)	
Prudence Island	(11)	(765)	(691)	(1,009)	(387)	(13)	(7)	-	(1,121)	(1,232)	(2,083)	
Quonset	-	-	-	-	-	-	-	-	-	-	(77)	
Riverside	-	-	-	-	-	-	(454)	(4,630)	(41,062)	(65,339)	(90,008)	
Rumford	-	-	(13)	(16)	(1,498)	(3,488)	(6,017)	(5,110)	(5,602)	(6,546)	(13,784)	
Saunderstown	(476)	(481)	(357)	(876)	(955)	(4,020)	(4,441)	(10,563)	(14,422)	(13,464)	(31,131)	
Scituate	(602)	(892)	(817)	(853)	(1,694)	(5,879)	(4,798)	(9,484)	(13,084)	(15,919)	(54,292)	
Shannock	-	-	-	-	-	-	-	-	-	-	(4,429)	
Slatersville	-	-	-	-	-	-	-	(60)	(2,055)	(3,613)	(11,283)	
Smithfield	-	-	-	-	-	(11,353)	(9,473)	(49,204)	(44,995)	(47,818)	(1,883,686)	
Tiverton	(316)	(20)	(11)	(12,995)	(155,919)	(157,883)	(219,383)	(218,883)	(129,312)	(88,833)	(118,993)	
Wakefield	(576)	(2,814)	(2,726)	(3,356)	(5,003)	(10,895)	(16,948)	(51,830)	(79,512)	(88,223)	(145,633)	
Warren	(1,252)	(450)	(410)	(1,749)	(272)	(1,379)	(5,651)	(21,042)	(18,661)	(22,819)	(42,229)	
Warwick	(49)	-	-	-	-	(1,704)	(2,422)	(39,341)	(75,988)	(896,536)	(10,057,918)	
West Greenwich	-	(76)	-	-	(357)	(362)	(317)	(6,969)	(18,830)	(18,283)	(31,271)	
West Kingston	(3,363)	(1,475)	(2,005)	(1,936)	(1,781)	(1,575)	(25,814)	(6,309)	(6,323)	(685,268)	(5,852,864)	
West Warwick	-	-	-	(110,078)	(42,524)	(7,078)	(31,633)	(137,638)	(451,654)	(327,861)	(575,242)	
Westerly	(6,079)	(4,797)	(3,674)	(5,737)	(4,197)	(10,402)	(30,122)	-	-	(20,004)	(34,203)	
Wood River Junction	-	-	-	(59)	(190)	(629)	(1,930)	(886)	(4,857)	(4,942)	(4,793,897)	
Woonsocket	-	-	-	-	-	-	-	(10,752)	(16,847)	(15,083)	(85,331)	
Wyoming	(1,351)	(3,016)	(2,626)	(3,441)	(2,249)	(3,681)	(2,446)	(11,649)	(6,504)	(12,416)	(28,442)	
Total	(2,141,342)	(3,499,203)	(2,733,986)	(1,879,847)	(386,507)	(555,090)	(848,716)	(9,214,672)	(27,726,085)	(33,822,426)	(123,886,820)	

Net Metering Credit Monetary Value (Renewable Generation Credits)

Remote Facilities

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Adamsville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ashaway	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Barrington	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bradford	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bristol	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Burrillville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Carolina	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Falls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Charlestown	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Chepachet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Clayville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Coventry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$516,208)	(\$2,706,828)	(\$2,591,650)	(\$3,376,714)
Cranston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,898,766)
Cumberland	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
East Greenwich	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
East Providence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Esmond	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exeter	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Forestdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Foster	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Glendale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Glocester	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greene	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greenville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Harmony	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hope	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hope Valley	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$817,870)	(\$1,109,291)
Hopkinton	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jamestown	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Johnston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$55,442)	(\$5,131,755)
Kingston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lincoln	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$100,857)	(\$249,612)	(\$903,991)
Little Compton	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Manville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mapleville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$185,914)
Middletown	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Misquamicut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Narragansett	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Newport	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
North Kingstown	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$62,298)	(\$263,022)
North Providence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$78,157)	(\$629,344)
Pawtucket	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Peace Dale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$132,809)	(\$1,099,973)
Portsmouth	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$170,202)	(\$735,838)	(\$756,573)	(\$880,380)
Providence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prudence Island	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Quonset	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Riverside	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rumford	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Saunderstown	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Scituate	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Shannock	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Slatersville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Smithfield	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$308,712)
Tiverton	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wakefield	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warren	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warwick	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$150,266)	(\$1,690,732)
West Greenwich	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
West Kingston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$120,784)	(\$961,092)
West Warwick	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$54,445)	(\$46,005)	(\$87,111)
Westerly	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wood River Junction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$819,815)
Woonsocket	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wyoming	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$686,409)	(\$3,597,967)	(\$5,061,467)	(\$20,346,614)

**Net Metering Credit Volume (kWh Exported - Generation in excess of Use)
Remote Facilities**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Adamsville	-	-	-	-	-	-	-	-	-	-	-
Ashaway	-	-	-	-	-	-	-	-	-	-	-
Barrington	-	-	-	-	-	-	-	-	-	-	-
Bradford	-	-	-	-	-	-	-	-	-	-	-
Bristol	-	-	-	-	-	-	-	-	-	-	-
Burrillville	-	-	-	-	-	-	-	-	-	-	-
Carolina	-	-	-	-	-	-	-	-	-	-	-
Central Falls	-	-	-	-	-	-	-	-	-	-	-
Charlestown	-	-	-	-	-	-	-	-	-	-	-
Chepachet	-	-	-	-	-	-	-	-	-	-	-
Clayville	-	-	-	-	-	-	-	-	-	-	-
Coventry	-	-	-	-	-	-	-	(3,569,604)	(15,054,472)	(14,895,484)	(15,277,032)
Cranston	-	-	-	-	-	-	-	-	-	-	(8,325,465)
Cumberland	-	-	-	-	-	-	-	-	-	-	-
East Greenwich	-	-	-	-	-	-	-	-	-	-	-
East Providence	-	-	-	-	-	-	-	-	-	-	-
Esmond	-	-	-	-	-	-	-	-	-	-	-
Exeter	-	-	-	-	-	-	-	-	-	-	-
Forestdale	-	-	-	-	-	-	-	-	-	-	-
Foster	-	-	-	-	-	-	-	-	-	-	-
Glendale	-	-	-	-	-	-	-	-	-	-	-
Glocester	-	-	-	-	-	-	-	-	-	-	-
Greene	-	-	-	-	-	-	-	-	-	-	-
Greenville	-	-	-	-	-	-	-	-	-	-	-
Harmony	-	-	-	-	-	-	-	-	-	-	-
Hope	-	-	-	-	-	-	-	-	-	-	-
Hope Valley	-	-	-	-	-	-	-	-	-	(5,254,562)	(6,478,876)
Hopkinton	-	-	-	-	-	-	-	-	-	-	-
Jamestown	-	-	-	-	-	-	-	-	-	-	-
Johnston	-	-	-	-	-	-	-	-	-	(298,736)	(28,892,886)
Kingston	-	-	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	(721,481)	(1,587,781)	(5,327,645)
Little Compton	-	-	-	-	-	-	-	-	-	-	-
Manville	-	-	-	-	-	-	-	-	-	-	-
Mapleville	-	-	-	-	-	-	-	-	-	-	(1,094,444)
Middletown	-	-	-	-	-	-	-	-	-	-	-
Misquamicut	-	-	-	-	-	-	-	-	-	-	-
Narragansett	-	-	-	-	-	-	-	-	-	-	-
Newport	-	-	-	-	-	-	-	-	-	-	-
North Kingstown	-	-	-	-	-	-	-	-	-	(365,417)	(1,544,129)
North Providence	-	-	-	-	-	-	-	-	-	(423,572)	(3,674,649)
Pawtucket	-	-	-	-	-	-	-	-	-	-	-
Peace Dale	-	-	-	-	-	-	-	-	-	(715,602)	(6,442,488)
Portsmouth	-	-	-	-	-	-	-	(1,176,929)	(5,181,339)	(4,659,422)	(5,015,350)
Providence	-	-	-	-	-	-	-	-	-	-	-
Prudence Island	-	-	-	-	-	-	-	-	-	-	-
Quonset	-	-	-	-	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-	-	-	-	-
Rumford	-	-	-	-	-	-	-	-	-	-	-
Saunderstown	-	-	-	-	-	-	-	-	-	-	-
Scituate	-	-	-	-	-	-	-	-	-	-	-
Shannock	-	-	-	-	-	-	-	-	-	-	-
Slatersville	-	-	-	-	-	-	-	-	-	-	-
Smithfield	-	-	-	-	-	-	-	-	-	-	(1,813,628)
Tiverton	-	-	-	-	-	-	-	-	-	-	-
Wakefield	-	-	-	-	-	-	-	-	-	-	-
Warren	-	-	-	-	-	-	-	-	-	-	-
Warwick	-	-	-	-	-	-	-	-	-	(809,667)	(9,871,901)
West Greenwich	-	-	-	-	-	-	-	-	-	-	-
West Kingston	-	-	-	-	-	-	-	-	-	(661,607)	(5,764,543)
West Warwick	-	-	-	-	-	-	-	-	(396,646)	(285,902)	(510,844)
Westerly	-	-	-	-	-	-	-	-	-	-	-
Wood River Junction	-	-	-	-	-	-	-	-	-	-	(4,784,610)
Woonsocket	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	(4,746,533)	(21,353,938)	(29,957,752)	(104,818,490)

**Net Metering Credit Monetary Value (Renewable Generation Credits)
Behind the Meter**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Adamsville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$66)	(\$217)	(\$501)	(\$821)
Ashaway	(\$28)	(\$44)	\$0	\$0	(\$73)	(\$37)	(\$82)	(\$73)	(\$427)	(\$324)	(\$720)
Barrington	\$0	\$0	\$0	(\$13)	(\$171)	(\$70)	(\$784)	(\$1,032)	(\$2,054)	(\$3,527)	(\$10,826)
Bradford	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$195)	(\$147)	(\$389)	(\$2,355)
Bristol	(\$1)	(\$33)	(\$51)	(\$144)	(\$815)	(\$1,924)	(\$2,152)	(\$4,780)	(\$5,341)	(\$10,136)	(\$16,300)
Burrillville	\$0	\$0	\$0	\$0	\$0	\$0	(\$0)	(\$625)	(\$475)	(\$601)	(\$1,033)
Carolina	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$152)	(\$909)
Central Falls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$49)	(\$1,017)	(\$3,759)
Charlestown	(\$125)	(\$327)	(\$583)	(\$634)	(\$858)	(\$962)	(\$2,130)	(\$3,412)	(\$6,575)	(\$9,699)	(\$19,422)
Chepachet	\$0	\$0	\$0	\$0	(\$43)	(\$396)	(\$541)	(\$1,669)	(\$1,459)	(\$1,401)	(\$3,493)
Clayville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$15)	(\$83)	(\$228)	(\$319)
Coventry	\$0	(\$12)	(\$1)	\$0	\$0	(\$766)	\$0	(\$393,097)	(\$7,480)	(\$12,599)	(\$19,480)
Cranston	(\$3)	\$0	\$0	(\$2)	(\$204)	(\$3,161)	(\$1,844)	(\$6,607)	(\$10,030)	(\$21,685)	(\$50,466)
Cumberland	(\$46)	(\$169)	(\$109)	(\$659)	(\$554)	(\$585)	(\$1,374)	(\$4,854)	(\$4,137)	(\$6,120)	(\$15,401)
East Greenwich	\$0	\$0	\$0	\$0	(\$92)	(\$421)	(\$729)	(\$2,295)	(\$1,923)	(\$3,265)	(\$5,695)
East Providence	\$0	\$0	\$0	\$0	\$0	\$0	(\$560)	(\$3,183)	(\$16,942)	(\$10,075)	(\$12,431)
Esmond	\$0	\$0	\$0	(\$276)	(\$331)	(\$186)	(\$234)	(\$387)	(\$892)	(\$1,309)	(\$3,067)
Exeter	\$0	\$0	\$0	(\$208)	(\$862)	(\$2,003)	(\$2,431)	(\$4,316)	(\$2,139)	(\$2,692)	(\$4,214)
Forestdale	\$0	\$0	\$0	\$0	\$0	\$0	(\$205)	(\$761)	(\$567)	(\$1,000)	(\$662)
Foster	\$0	(\$858)	(\$555)	(\$894)	(\$746)	(\$2,367)	(\$2,800)	(\$3,467)	(\$6,475)	(\$7,700)	(\$11,133)
Glendale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$565)	(\$991)
Glocester	(\$8)	(\$3)	(\$3)	\$0	\$0	\$0	\$0	(\$131)	(\$2,191)	(\$3,139)	(\$4,710)
Greene	\$0	\$0	\$0	\$0	\$0	\$0	(\$620)	(\$2,136)	(\$2,374)	(\$2,608)	(\$3,333)
Greenville	\$0	\$0	\$0	\$0	\$0	\$0	(\$159)	(\$1,632)	(\$2,960)	(\$3,786)	(\$4,685)
Harmony	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$212)
Hope	(\$86)	(\$41)	(\$0)	(\$4)	(\$60)	(\$845)	(\$1,578)	(\$1,680)	(\$1,720)	(\$1,981)	(\$3,290)
Hope Valley	\$0	(\$36)	(\$9)	(\$30)	(\$48)	(\$40)	(\$135)	(\$1,784)	(\$2,919)	(\$3,026)	(\$5,245)
Hopkinton	(\$251)	(\$278)	(\$157)	(\$118)	(\$212)	(\$16)	(\$179)	(\$51)	(\$300)	(\$353)	(\$1,002)
Jamestown	(\$8)	(\$10)	\$0	(\$419)	(\$529)	(\$838)	(\$1,622)	(\$4,031)	(\$5,152)	(\$4,932)	(\$17,435)
Johnston	(\$11)	(\$184)	(\$132)	(\$1)	(\$306)	(\$1,335)	(\$1,574)	(\$4,335)	(\$4,644)	(\$12,294)	(\$21,481)
Kingston	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$277)	(\$299)	(\$1,233)	(\$3,326)
Lincoln	\$0	\$0	\$0	(\$278)	(\$72)	(\$71)	(\$363)	(\$1,662)	(\$2,370)	(\$2,458)	(\$5,450)
Little Compton	(\$22)	(\$104)	(\$311)	(\$1,246)	(\$1,619)	(\$2,618)	(\$3,803)	(\$12,825)	(\$10,819)	(\$17,867)	(\$25,399)
Manville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$111)	(\$179)
Mapleville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$592)	(\$984)
Middletown	(\$194)	(\$135)	(\$109)	(\$255)	(\$1,490)	(\$3,858)	(\$10,139)	(\$27,725)	(\$50,101)	(\$61,233)	(\$80,845)
Misquamicut	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,123)	(\$6,052)	(\$9,127)	(\$37,017)
Narragansett	(\$321)	(\$513)	(\$1,660)	(\$2,381)	(\$2,488)	(\$6,228)	(\$8,335)	(\$12,554)	(\$10,814)	(\$14,067)	(\$22,154)
Newport	\$0	\$0	(\$7)	(\$23)	(\$103)	(\$643)	(\$1,205)	(\$2,742)	(\$3,511)	(\$6,045)	(\$10,426)
North Kingstown	(\$35)	(\$21)	(\$109)	(\$2,967)	(\$21)	(\$32)	(\$598)	(\$2,545)	(\$2,465)	(\$5,236)	(\$11,965)
North Providence	(\$72)	(\$88)	(\$23)	(\$66)	(\$80)	(\$85)	(\$51)	(\$967)	(\$1,325)	(\$2,551)	(\$8,339)
Pawtucket	\$0	(\$36)	(\$74)	(\$91)	(\$81)	(\$340)	(\$6,256)	(\$2,043)	(\$2,244)	(\$5,115)	(\$20,307)
Peace Dale	(\$18)	(\$105)	(\$76)	(\$289)	(\$471)	(\$872)	(\$1,335)	(\$5,138)	(\$5,779)	(\$10,028)	(\$40,143)
Portsmouth	(\$240,647)	(\$329,863)	(\$214,964)	(\$136,280)	(\$40)	(\$228)	(\$1,973)	(\$35,924)	(\$27,301)	(\$33,617)	(\$55,431)
Providence	(\$775)	(\$530)	(\$2,612)	(\$8,663)	(\$11,175)	(\$12,682)	(\$18,111)	(\$24,108)	(\$48,831)	(\$59,191)	(\$86,754)
Prudence Island	(\$2)	(\$111)	(\$92)	(\$129)	(\$57)	(\$2)	(\$1)	\$0	(\$168)	(\$200)	(\$358)
Quonset	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$14)
Riverside	\$0	\$0	\$0	\$0	\$0	\$0	(\$74)	(\$703)	(\$5,501)	(\$7,498)	(\$11,941)
Rumford	\$0	\$0	(\$2)	(\$2)	(\$217)	(\$501)	(\$982)	(\$778)	(\$801)	(\$1,071)	(\$2,412)
Saunderstown	(\$69)	(\$70)	(\$44)	(\$113)	(\$137)	(\$582)	(\$724)	(\$1,609)	(\$2,048)	(\$2,185)	(\$5,400)
Scituate	(\$88)	(\$129)	(\$99)	(\$110)	(\$244)	(\$848)	(\$781)	(\$1,428)	(\$1,848)	(\$2,570)	(\$9,243)
Shannock	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$775)
Slatersville	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$9)	(\$300)	(\$584)	(\$1,457)
Smithfield	\$0	\$0	\$0	\$0	(\$757)	(\$883)	(\$1,504)	(\$7,426)	(\$6,383)	(\$7,695)	(\$12,158)
Tiverton	(\$45)	(\$3)	(\$1)	(\$1,611)	(\$22,471)	(\$22,465)	(\$34,398)	(\$31,825)	(\$17,900)	(\$14,264)	(\$20,639)
Wakefield	(\$82)	(\$412)	(\$327)	(\$429)	(\$726)	(\$1,564)	(\$2,731)	(\$7,601)	(\$11,309)	(\$14,125)	(\$25,056)
Warren	(\$179)	(\$66)	(\$50)	(\$224)	(\$39)	(\$199)	(\$921)	(\$3,199)	(\$2,643)	(\$3,314)	(\$6,901)
Warwick	(\$7)	\$0	\$0	\$0	\$0	(\$246)	(\$391)	(\$5,208)	(\$10,269)	(\$13,958)	(\$32,391)
West Greenwich	\$0	(\$11)	\$0	\$0	(\$48)	(\$50)	(\$52)	(\$1,036)	(\$2,582)	(\$2,864)	(\$5,313)
West Kingston	(\$481)	(\$216)	(\$255)	(\$251)	(\$259)	(\$227)	(\$4,195)	(\$961)	(\$915)	(\$2,978)	(\$11,090)
West Warwick	\$0	\$0	\$0	(\$6,905)	(\$3,759)	(\$1,017)	(\$2,936)	(\$16,142)	(\$7,653)	(\$6,569)	(\$10,941)
Westerly	(\$894)	(\$695)	(\$474)	(\$722)	(\$609)	(\$1,491)	(\$4,663)	\$0	\$0	(\$3,455)	(\$6,233)
Wood River Junction	\$0	\$0	\$0	(\$7)	(\$28)	(\$91)	(\$315)	(\$133)	(\$721)	(\$807)	(\$1,618)
Woonsocket	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,641)	(\$2,414)	(\$2,456)	(\$14,434)
Wyoming	(\$193)	(\$440)	(\$335)	(\$444)	(\$325)	(\$531)	(\$399)	(\$1,774)	(\$947)	(\$2,019)	(\$4,901)
Total	(\$244,692)	(\$335,542)	(\$223,223)	(\$166,886)	(\$53,218)	(\$74,306)	(\$128,967)	(\$664,654)	(\$335,767)	(\$443,682)	(\$836,063)

**Net Metering Credit Volume (kWh Exported - Generation in excess of Use)
Behind the Meter**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ashaway	-	-	-	-	-	-	-	(431)	(1,554)	(3,114)	(4,762)
Ashaway	(197)	(298)	-	-	(498)	(253)	(506)	(476)	(3,065)	(2,011)	(4,158)
Barrington	-	-	-	(102)	(1,170)	(487)	(4,468)	(6,777)	(14,385)	(21,636)	(61,880)
Barrington	-	-	-	-	-	-	-	(1,355)	(1,027)	(2,333)	(13,581)
Bristol	(10)	(223)	(422)	(1,118)	(7,595)	(20,586)	(21,852)	(43,171)	(48,117)	(67,336)	(99,211)
Burrillville	-	-	-	-	-	-	(2)	(4,092)	(3,386)	(3,714)	(5,969)
Carolina	-	-	-	-	-	-	-	-	-	(939)	(5,300)
Central Falls	-	-	-	-	-	-	-	-	(351)	(6,609)	(22,100)
Charlestown	(1,029)	(2,306)	(4,822)	(4,944)	(5,953)	(6,729)	(13,978)	(22,466)	(46,427)	(59,232)	(110,793)
Chepachet	-	-	-	-	(302)	(2,754)	(3,320)	(10,950)	(10,196)	(8,496)	(20,061)
Clayville	-	-	-	-	-	-	-	(99)	(550)	(1,397)	(1,794)
Coventry	-	(79)	(12)	-	-	(8,400)	-	(2,727,184)	(4,053,630)	(1,079,012)	(4,112,520)
Cranston	(22)	-	-	(12)	(1,406)	(33,332)	(18,743)	(49,535)	(70,802)	(135,476)	(9,295,295)
Cumberland	(320)	(1,151)	(849)	(5,129)	(3,813)	(4,109)	(8,480)	(31,847)	(28,798)	(37,765)	(93,846)
East Greenwich	-	-	-	-	(638)	(2,943)	(4,483)	(15,054)	(13,413)	(20,056)	(32,605)
East Providence	-	-	-	-	-	-	(3,284)	(29,202)	(63,935)	(82,852)	(94,363)
Esmond	-	-	-	(2,139)	(2,282)	(1,271)	(1,438)	(2,609)	(6,175)	(8,054)	(17,521)
Exeter	-	-	-	(1,836)	(5,983)	(13,985)	(15,205)	(28,604)	(15,293)	(16,903)	(24,070)
Forestdale	-	-	-	-	-	-	(1,258)	(5,005)	(3,861)	(6,158)	(3,805)
Foster	-	(5,860)	(4,331)	(7,041)	(5,166)	(16,492)	(17,203)	(22,822)	(45,482)	(47,330)	(63,928)
Glendale	-	-	-	-	-	-	-	-	-	(3,511)	(5,792)
Glocester	(57)	(18)	(25)	-	-	-	-	(856)	(15,841)	(19,090)	(27,373)
Greene	-	-	-	-	-	-	(3,802)	(14,491)	(17,257)	(16,623)	(19,552)
Greenville	-	-	-	-	-	-	(972)	(11,770)	(22,175)	(24,869)	(28,213)
Harmony	-	-	-	-	-	-	-	-	-	-	(1,244)
Hope	(604)	(282)	(3)	(34)	(413)	(5,901)	(9,910)	(11,378)	(12,348)	(12,403)	(18,975)
Hope Valley	-	(249)	(72)	(228)	(329)	(274)	(870)	(12,076)	(20,054)	(18,693)	(30,158)
Hopkinton	(1,709)	(1,915)	(1,244)	(924)	(1,456)	(110)	(1,101)	(338)	(2,139)	(2,170)	(5,816)
Jamestown	(55)	-	-	(3,457)	(3,665)	(5,821)	(9,987)	(24,918)	(36,145)	(30,177)	(100,173)
Johnston	(79)	(1,261)	(1,008)	(5)	(2,112)	(9,299)	(9,884)	(25,321)	(35,788)	(105,305)	(1,159,381)
Kingston	-	-	-	-	-	-	-	(1,821)	(2,096)	(7,565)	(19,183)
Lincoln	-	-	-	(2,964)	(495)	(489)	(2,231)	(10,888)	(14,466)	(15,152)	(31,458)
Little Compton	(153)	(711)	(2,513)	(10,105)	(11,277)	(18,731)	(23,782)	(84,653)	(76,661)	(109,978)	(145,882)
Manville	-	-	-	-	-	-	-	-	-	(687)	(1,010)
Mapleville	-	-	-	-	-	-	-	-	-	(3,643)	(5,648)
Middletown	(1,355)	(922)	(880)	(2,036)	(10,325)	(26,823)	(63,685)	(189,062)	(357,694)	(383,147)	(467,555)
Misquamicut	-	-	-	-	-	-	-	(55,544)	(42,850)	(57,374)	(293,379)
Narragansett	(2,242)	(3,500)	(16,431)	(24,856)	(21,066)	(51,989)	(54,388)	(92,250)	(85,559)	(93,010)	(132,977)
Newport	-	-	(55)	(178)	(716)	(4,435)	(7,400)	(17,995)	(24,716)	(39,457)	(60,176)
North Kingstown	(247)	(143)	(863)	(102)	(142)	(230)	(3,649)	(16,908)	(16,608)	(32,335)	(69,209)
North Providence	(501)	(599)	(190)	(508)	(551)	(586)	(314)	(6,330)	(9,475)	(15,744)	(47,961)
Pawtucket	-	(243)	(606)	(712)	(557)	(2,381)	(44,994)	(20,680)	(16,036)	(34,336)	(116,567)
Peace Dale	(125)	(714)	(609)	(2,235)	(3,256)	(6,056)	(8,238)	(33,808)	(40,027)	(59,080)	(236,172)
Portsmouth	(2,113,159)	(3,460,321)	(2,664,139)	(1,595,782)	(277)	(1,590)	(12,121)	(72,218)	(195,299)	(205,433)	(318,557)
Providence	(5,403)	(3,622)	(21,582)	(71,295)	(78,038)	(88,693)	(115,312)	(178,805)	(364,283)	(387,446)	(527,087)
Prudence Island	(11)	(765)	(691)	(1,009)	(387)	(13)	(7)	-	(1,121)	(1,232)	(2,083)
Quonset	-	-	-	-	-	-	-	-	-	-	(77)
Riverside	-	-	-	-	-	-	(454)	(4,630)	(41,062)	(65,339)	(90,008)
Rumford	-	-	(13)	(16)	(1,498)	(3,488)	(6,017)	(5,110)	(5,602)	(6,546)	(13,784)
Saunderstown	(476)	(481)	(357)	(876)	(955)	(4,020)	(4,441)	(10,563)	(14,422)	(13,464)	(31,131)
Scituate	(602)	(892)	(817)	(853)	(1,694)	(5,879)	(4,798)	(9,484)	(13,084)	(15,919)	(54,292)
Shannock	-	-	-	-	-	-	-	-	-	-	(4,429)
Slatersville	-	-	-	-	-	-	-	(60)	(2,055)	(3,613)	(11,283)
Smithfield	-	-	-	-	-	(11,353)	(9,473)	(49,204)	(44,995)	(47,818)	(70,058)
Tiverton	(316)	(20)	(11)	(12,995)	(155,919)	(157,883)	(219,383)	(218,883)	(129,312)	(88,833)	(118,993)
Wakefield	(576)	(2,814)	(2,726)	(3,356)	(5,003)	(10,895)	(16,948)	(51,830)	(79,512)	(88,223)	(145,633)
Warren	(1,252)	(450)	(410)	(1,749)	(272)	(1,379)	(5,651)	(21,042)	(18,661)	(22,819)	(42,229)
Warwick	(49)	-	-	-	-	(1,704)	(2,422)	(39,341)	(75,988)	(86,869)	(186,017)
West Greenwich	-	(76)	-	-	(357)	(362)	(317)	(6,969)	(18,830)	(18,283)	(31,271)
West Kingston	(3,363)	(1,475)	(2,005)	(1,936)	(1,781)	(1,575)	(25,814)	(6,309)	(6,323)	(23,661)	(88,321)
West Warwick	-	-	-	(110,078)	(42,524)	(7,078)	(31,633)	(137,638)	(55,008)	(41,959)	(64,398)
Westerly	(6,079)	(4,797)	(3,674)	(5,737)	(4,197)	(10,402)	(30,122)	-	-	(20,004)	(34,203)
Wood River Junction	-	-	-	(59)	(190)	(629)	(1,930)	(886)	(4,857)	(4,942)	(9,287)
Woonsocket	-	-	-	-	-	-	-	(10,752)	(16,847)	(15,083)	(85,331)
Wyoming	(1,351)	(3,016)	(2,626)	(3,441)	(2,249)	(3,681)	(2,446)	(11,649)	(6,504)	(12,416)	(28,442)
Total	(2,141,342)	(3,499,203)	(2,733,986)	(1,879,847)	(386,507)	(555,090)	(848,716)	(4,468,139)	(6,372,147)	(3,864,674)	(19,068,330)

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5005
In Re: 2020 Electric Retail Rate Filing
Responses to the Commission's First Set of Data Requests
Issued on August 18, 2020

PUC 3-8

Request:

Referencing PUC 3-5, please provide the same information but by special entity type provided in the Net Metering tariff (i.e., public entity, educational institution, hospital, nonprofit, or multi-municipal collaborative), if known.

Response:

The source of the information provided in response to PUC 3-5 was the Company's billing system. The Company's billing system does not track the special entity type identified in the Net Metering tariff. However, the Company has attempted to segregate the Front-of-the-Meter Projects using the customer names of the projects and associated off-takers. The below information is the Company's attempt at these groupings:

Net Metering Credit Monetary Value (Renewable Generation Credits)

Type	2016 \$	2017 \$	2018 \$	2019 \$
Municipality	(\$134,151)	(\$1,573,477)	(\$1,765,103)	(\$10,369,569)
Multi-Municipal Collaborative	(\$552,258)	(\$2,024,490)	(\$3,113,282)	(\$6,722,375)
Educational Institutes	\$0	\$0	(\$120,784)	(\$1,780,907)
Public Entity & Low-Income Housing	\$0	\$0	\$0	(\$1,024,827)
Public Entity	\$0	\$0	(\$62,298)	(\$263,022)
Community Remote Net Metering	\$0	\$0	\$0	(\$185,914)
Total	(\$686,409)	(\$3,597,967)	(\$5,061,467)	(\$20,346,614)

Net Metering Credit Volume (kWh Exported - Generation in excess of Use)

Type	2016 kWh	2017 kWh	2018 kWh	2019 kWh
Municipality	(927,228)	(7,107,979)	(9,660,582)	(47,850,838)
Multi-Municipal Collaborative	(3,819,305)	(14,245,959)	(19,270,146)	(37,850,600)
Educational Institutes	0	0	(661,607)	(10,549,153)
Public Entity & Low-Income Housing	0	0	0	(5,929,326)
Public Entity	0	0	(365,417)	(1,544,129)
Community Remote Net Metering	0	0	0	(1,094,444)
Total	(4,746,533)	(21,353,938)	(29,957,752)	(104,818,490)