



August 12, 2020

Mrs. Luly Massaro, Commission Clerk
RI Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

The Hon. Jorge O. Elorza
Mayor

Ricky Caruolo
General Manager

RE: Dk 4994: Division, Set 1-32 Update

Dear Mrs. Massaro:

Enclosed, please find an original and nine copies of Providence Water's updated response to Division 1-32 (a). There was a calculation error in the original RC-2 filed on January 22, 2020.

Thank you for your attention to this matter.

Sincerely,

Mary L. Deignan-White
Division Manager - Finance

cc: service list(via email)

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Providence Water Docket 4994
Division of Public Utilities and Carriers
Data Request – Set 1
December 18, 2019
UPDATED 8/11/2020

- DIV 1-32** Refer to Exhibit RC-2.
- a. To the extent not already being provided in response to other requests, please provide the working Excel file for Exhibit RC-2.
 - b. Identify which specific calendar periods are represented by each "Contract Year."
 - c. Identify and provide a copy of the contract for the EDF Renewables Baldwin DECA Solar Array.

RESPONSE:

- a. Please find the attached working Excel file for Exhibit RC-2. There was an error in the original RC-2. The column that showed the **Total PW Electric Bill** was calculated by just using a straight 2% Escalation Rate on the entire value in Year 1. RC-1 used a method where the Constellation supply rate charge changes once every 3 years and the delivery charge is escalated yearly.

As a result of correcting the error the total savings over the 25 years went down by \$432,598.38 because the total predicted electric bill (without solar) was lower by that amount when using the same calculation method as used in RC-1.

- b. The Contract Year will begin on the Commercial Operation Date of the system. This is estimated to be July 1, 2020.
- c. Please find the attached executed Net Meter Credit Rate Agreement (NMCRA) and the executed Lease Agreement in Exhibit 1-31 c.

EXHIBIT RC-2

Net Meter Credit Calculation for EDF Renewables Baldwin DECA Solar Array - Guaranteed 90% Production							
Contract Year	kWh Produced*	Net Metering Credit Rate**	PPA Rate	Payment to Developer	NGRID Credit to PW Electric Accts	Total PW Electric Bill	Total Savings
1	7,611,300	\$0.1845	0.0914	\$695,672.82	\$1,404,132.62	\$1,279,769.38	\$584,096.56
2	7,573,244	\$0.1882	0.0914	\$692,194.46	\$1,425,054.20	\$1,293,736.53	\$601,542.07
3	7,535,377	\$0.1919	0.0914	\$688,733.48	\$1,446,287.51	\$1,307,983.02	\$619,249.54
4	7,497,700	\$0.1958	0.0914	\$685,289.82	\$1,467,837.19	\$1,357,399.16	\$672,109.34
5	7,460,212	\$0.1997	0.0914	\$681,863.37	\$1,489,707.97	\$1,372,221.21	\$690,357.84
6	7,422,911	\$0.2037	0.0914	\$678,454.05	\$1,511,904.61	\$1,387,339.70	\$708,885.65
7	7,385,796	\$0.2078	0.0914	\$675,061.78	\$1,534,431.99	\$1,439,738.36	\$764,676.58
8	7,348,867	\$0.2119	0.0914	\$671,686.47	\$1,557,295.03	\$1,455,467.64	\$783,781.17
9	7,312,123	\$0.2161	0.0914	\$668,328.04	\$1,580,498.73	\$1,471,511.50	\$803,183.46
10	7,275,562	\$0.2205	0.0914	\$664,986.40	\$1,604,048.16	\$1,527,072.71	\$862,086.31
11	7,239,185	\$0.2249	0.0914	\$661,661.47	\$1,627,948.47	\$1,543,764.75	\$882,103.28
12	7,202,989	\$0.2294	0.0914	\$658,353.16	\$1,652,204.91	\$1,560,790.62	\$902,437.46
13	7,166,974	\$0.2340	0.0914	\$655,061.39	\$1,676,822.76	\$1,619,705.27	\$964,643.88
14	7,131,139	\$0.2386	0.0914	\$651,786.09	\$1,701,807.42	\$1,637,418.99	\$985,632.91
15	7,095,483	\$0.2434	0.0914	\$648,527.16	\$1,727,164.35	\$1,655,486.99	\$1,006,959.83

EXHIBIT RC-2

16	7,060,006	\$0.2483	0.0914	\$645,284.52	\$1,752,899.10	\$1,717,957.50	\$1,072,672.98
17	7,024,706	\$0.2533	0.0914	\$642,058.10	\$1,779,017.29	\$1,736,755.44	\$1,094,697.34
18	6,989,582	\$0.2583	0.0914	\$638,847.81	\$1,805,524.65	\$1,755,929.34	\$1,117,081.53
19	6,954,634	\$0.2635	0.0914	\$635,653.57	\$1,832,426.97	\$1,822,170.34	\$1,186,516.78
20	6,919,861	\$0.2688	0.0914	\$632,475.30	\$1,859,730.13	\$1,842,118.87	\$1,209,643.57
21	6,885,262	\$0.2741	0.0914	\$629,312.92	\$1,887,440.11	\$1,862,466.37	\$1,233,153.44
22	6,850,835	\$0.2796	0.0914	\$626,166.36	\$1,915,562.97	\$1,932,705.46	\$1,306,539.10
23	6,816,581	\$0.2852	0.0914	\$623,035.53	\$1,944,104.86	\$1,953,874.99	\$1,330,839.46
24	6,782,498	\$0.2909	0.0914	\$619,920.35	\$1,973,072.02	\$1,975,467.92	\$1,355,547.57
25	6,748,586	\$0.2967	0.0914	\$616,820.75	\$2,002,470.79	\$2,049,946.42	\$1,433,125.68
				\$16,387,235.15	\$42,159,394.81	\$40,558,798.50	\$24,171,563.36

REPORT NOTES:

Value of Renewable Energy Certificates not included in this calculation

* Estimated Degradation Rate 0.5% per year

** Estimated Utility Escalation Rate of 2% per year

Assumed Annual Utility Escalation Rate

2.00%

Year 1 NMCR (NGRID C06 Rate)

\$0.18448

Fixed Price - 4/1/19

\$0.09113

Delivery Charges - 9/1/19

\$0.09335

Assumed Annual Electric Consumption (kWh)

7,640,105

3- Year Constellation Electric Supply Rate

\$0.0761

FY 2019 Total Electric Bill

\$1,266,076.10