

**STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION**

**IN RE: BLOCK ISLAND UTILITY DISTRICT :**  
**TARIFF ADVICE FILING TO ADD :** **DOCKET NO. 5192**  
**NET METERING TARIFF :**

**PUBLIC UTILITIES COMMISSION’S  
THIRD SET OF DATA REQUESTS DIRECTED TO  
BLOCK ISLAND UTILITY DISTRICT (BIUD)**

**(Issued January 25, 2022)**

*(Please respond no later than the January 27<sup>th</sup> hearing)*

- 3-1. Please provide an example of what the bill would look like for a General Services customer under the new tariff. In other words, an exact copy of a bill is not necessary, but any response in Excel should be in the same line by line format as an actual bill. Please provide the assumed usage and consumption as the Company did in response to PUC 1-10.

**RESPONSE:** Below are three bill calculations for a General Service account for the three different rate periods. The assumptions used were that the member used 1,500 kWh of energy, had a peak demand of 12.5 kW in either July or August, and had 1,200 kWh of solar output from a net metering system which would be consistent with a 10 kW system.

<b>OFF PEAK RATES (JAN-FEB-MAR-APR &amp; NOV-DEC)</b>			
<b>PROPOSED TARIFF</b>			
	Rate	Billed Use	Amount
Customer Charge			\$32.00
Demand Charge	\$9.25	12.5	\$115.63
Plant & Distribution Charge	\$0.0800	1,500	\$120.00
Transmission Charge	\$0.0852	1,500	\$127.80
Power Supply Service	\$0.0740	1,500	\$111.00
RI Renewable Fund	\$0.0003	1,500	\$0.45
Net Metering Credit	<u>(\$0.1260)</u>	1,200	<u>(\$151.20)</u>
<b>TOTAL CHARGES</b>			<b>\$355.68</b>

<b>SHOULDER MONTH RATES (MAY-JUN &amp; SEP-OCT)</b>			
<b>PROPOSED TARIFF</b>			
	Rate	Billed Use	Amount
Customer Charge			\$32.00
Demand Charge	\$9.25	12.5	\$115.63
Plant & Distribution Charge	\$0.1200	1,500	\$180.00
Transmission Charge	\$0.0852	1,500	\$127.80
Power Supply Service	\$0.0740	1,500	\$111.00
Efficiency Charge	\$0.00132	1,500	\$1.98
RI Renewable Fund	\$0.0003	1,500	\$0.45
Net Metering Credit	<u>(\$0.1260)</u>	1,200	<u>(\$151.20)</u>
<b>TOTAL CHARGES</b>			<b>\$417.66</b>

<b>PEAK MONTH RATES (JUL-AUG)</b>			
<b>PROPOSED TARIFF</b>			
	Rate	Billed Use	Amount
Customer Charge			\$32.00
Demand Charge	\$9.25	12.5	\$115.63
Plant & Distribution Charge	\$0.2500	1,500	\$375.00
Transmission Charge	\$0.0852	1,500	\$127.80
Power Supply Service	\$0.0740	1,500	\$111.00
Efficiency Charge	\$0.00333	1,500	\$5.00
RI Renewable Fund	\$0.0003	1,500	\$0.45
Net Metering Credit	<u>(\$0.1260)</u>	1,200	<u>(\$151.20)</u>
<b>TOTAL CHARGES</b>			<b>\$615.67</b>

Prepared by: Jeffery M. Wright and David G. Bebyn

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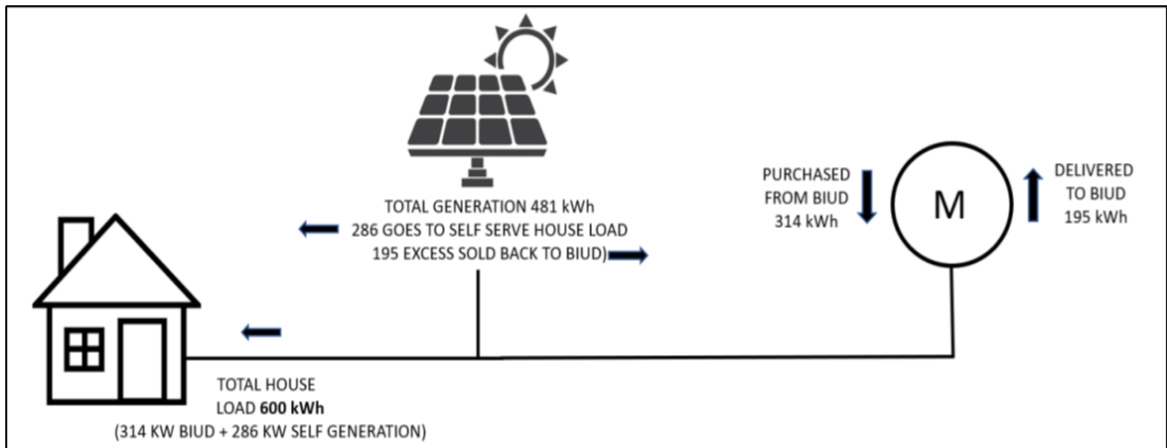
**PUBLIC UTILITIES COMMISSION'S  
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**(Issued January 25, 2022)**

*(Please respond no later than the January 27<sup>th</sup> hearing)*

- 3-2. During the discovery meeting held on January 24, 2022, Mr. Wright advised that the Board had considered a net metering crediting mechanism by which the excess generation would be credited at the avoided cost. Using BIUD's response to PUC 1-10, the assumption is that the total house load was 600 kWh; the net metering system produced a total generation of 481 kWh; the net metering system self-supplied 286 kWh; BIUD served 314 kWh, and the customer sent 195 kWh back to BIUD. The example used at the discovery meeting was that the 314 kWh would be credited at the full retail rate while the 195 kWh would be credited at the avoided cost rate. Mr. Wright explained that the economic differences between that and the current practice were not significant. Please provide the calculations in the same form as BIUD's response to PUC 2-1.

**RESPONSE:** Using the same example shown and used in PUC 2-1, below are the bill calculations for a Residential member that is billed at full retail for consumption with the \$0.1260 credit applied as an avoided cost rate. I have provided sample calculations for each rate period.



<b>OFF PEAK RATE</b>			
	Rate	Billed Use	Amount
Customer Charge			\$10.00
Plant & Distribution Charge	\$0.0895	314	\$28.10
Transmission Charge	\$0.0852	314	\$26.75
Power Supply Service	\$0.0740	314	\$23.24
RI Renewable Fund	\$0.0003	314	\$0.09
Net Metering Credit	<u>(\$0.1260)</u>	195	<u>(\$24.57)</u>
<b>TOTAL CHARGES</b>			<b>\$63.62</b>

<b>SHOULDER MONTH RATE</b>			
	Rate	Billed Use	Amount
Customer Charge			\$10.00
Plant & Distribution Charge	\$0.1425	314	\$44.75
Transmission Charge	\$0.0852	314	\$26.75
Power Supply Service	\$0.0740	314	\$23.24
Efficiency Charge	\$0.00132	314	\$0.41
RI Renewable Fund	\$0.0003	314	\$0.09
Net Metering Credit	<u>(\$0.1260)</u>	195	<u>(\$24.57)</u>
<b>TOTAL CHARGES</b>			<b>\$80.67</b>

<b>PEAK RATE</b>			
	Rate	Billed Use	Amount
Customer Charge			\$10.00
Plant & Distribution Charge	\$0.2850	314	\$89.49
Transmission Charge	\$0.0852	314	\$26.75
Power Supply Service	\$0.0740	314	\$23.24
Efficiency Charge	\$0.00333	314	\$1.05
RI Renewable Fund	\$0.0003	314	\$0.09
Net Metering Credit	<u>(\$0.1260)</u>	195	<u>(\$24.57)</u>
<b>TOTAL CHARGES</b>			<b>\$126.05</b>

Below is the summary of bill calculations from PUC 2-1 for ease of comparison with these new calculations included.

	OFF PEAK	SHOULDER	PEAK
Single Meter - Existing Tariff	\$39.63	\$46.10	\$63.29
Bill Calculations in Reponse to PUC 3-2	\$63.62	\$80.67	\$126.05
Two Meter - Proposed Tariff	\$98.79	\$131.39	\$218.09

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