

BLOCK ISLAND UTILITY DISTRICT



The Nature Conservancy's Kim Gaffett and BIUD staff recently banded the one osprey chick that hatched earlier this summer. The banding of osprey chicks at the power company has been a tradition for more than 15 years.

BOARD OF COMMISSIONERS MEETING

JULY 28, 2022

4:00 PM

Block Island Utility District
Regular Meeting of Board of Commissioners
Thursday, July 28, 2022 @ 4:00 PM

**THE MEETING WILL BE HELD AT THE BIUD POWER
PLANT**

1. Public Input
2. Commissioner's Report
3. Approve Board Meeting Minutes (3/29/22, 4/5/22, 4/12/22, 4/15/22, 4/22/22, 4/28/22, 6/8/22 and 6/23/22)
4. Appoint BIUD Voting Delegates for Region 1 CFC and NRECA Meetings
5. Treasurer's Report
6. President's Report (verbal)
 - Power Supply
 - Operations during the heatwave
 - Champlin's Marina interconnection
 - Employee Housing
 - Electric school bus
7. Review and Act Upon Annual Meeting Agenda
8. Review and Act Upon Utility Scale Storage Battery RFP Process, Fractal Proposal and BI Solar Initiative Contribution
9. Review and Act Upon BI Solar Initiative Donation of EV Bucket Truck
10. Review and Act Upon Legacy Net Metering Tariff (Filing Deadline 7/31/22)

Individuals requesting services for the deaf and hard of hearing must call (401) 466-5851 forty-eight hours in advance of the meeting date.

Posted: 7/25/22 11:00 AM

Secretary of State Website - BIBB - Town Hall
BIUD Website www.blockislandpowercompany.com

AGENDA ITEM 1
PUBLIC INPUT

(THIS PAGE INCLUDED FOR NOTES)

AGENDA ITEM 2
COMMISSIONER'S REPORT

AGENDA ITEM 3

APPROVE MEETING MINUTES

3/29/22, 4/4/22, 4/12/22, 4/15/22, 4/22/22, 4/28/22, 6/8/22, 6/23/22

Block Island Utility District
March 29, 2022
4:00 PM

THIS MEETING WAS HELD IN PERSON AT THE BIUD POWER PLANT

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser and John Warfel.

Absent: Elliot Taubman

Recused: Tom Risom.

Also Present: President Jeffery Wright

Board Chair Barbara MacMullan called the meeting to order at 4:00 PM.

1. Review and Act Upon Sale of BIUD Real Estate to the Town of New Shoreham

Board Chair Barbara MacMullan moved to enter closed session for purposes of discussing the sale of BIUD real estate to the Town of New Shoreham. Mary Jane Balser seconded the motion and the motion passed unanimously.

At approximately 4:50 PM Board Chair Barbara MacMullan moved to exit closed session. Mary Jane Balser seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan reported that there were no decisions made, nothing to report and that the minutes of the closed session were sealed.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 4:55 PM.

APPROVED:

POSTED:

Block Island Utility District
April 5, 2022
4:00 PM

THIS MEETING WAS HELD IN PERSON AT THE BIUD POWER PLANT

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser and John Warfel.

Absent: Elliot Taubman

Recused: Tom Risom.

Also Present: President Jeffery Wright

Board Chair Barbara MacMullan called the meeting to order at 4:09 PM.

1. Review and Act Upon Sale of BIUD Real Estate to the Town of New Shoreham

Board Chair Barbara MacMullan moved to enter closed session for purposes of discussing the sale of BIUD real estate to the Town of New Shoreham. John Warfel seconded the motion and the motion passed unanimously.

At approximately 5:00 PM Board Chair Barbara MacMullan moved to exit closed session. Mary Jane Balser seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan reported that there were no decisions made, nothing to report and that the minutes of the closed session were sealed.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 5:07 PM.

APPROVED:

POSTED:

Block Island Utility District
April 12, 2022
4:00 PM

THIS MEETING WAS HELD IN PERSON AT THE BIUD POWER PLANT

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser, John Warfel, and Elliot Taubman.

Recused: Tom Risom.

Also Present: President Jeffery Wright

Board Chair Barbara MacMullan called the meeting to order at 4:04 PM.

- 1. Review and Act Upon Sale of BIUD Real Estate to the Town of New Shoreham**
- 2. Review and Act Upon Acquisition of Real Estate/Property for Employee Housing**

Board Chair Barbara MacMullan moved to enter closed session for purposes of discussing the sale of BIUD real estate to the Town of New Shoreham and to discuss the acquisition of real estate/property for employee housing. John Warfel seconded the motion and the motion passed unanimously.

At approximately 5:20 PM Board Chair Barbara MacMullan moved to exit closed session. Elliot Taubman seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan reported that there were no decisions made, nothing to report and that the minutes of the closed session were sealed.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 5:25 PM.

APPROVED:

POSTED:

Block Island Utility District
April 15, 2022
4:00 PM

THIS MEETING WAS HELD IN PERSON AT THE BIUD POWER PLANT

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser, John Warfel, Elliot Taubman and Tom Risom.

Also Present: President Jeffery Wright

Board Chair Barbara MacMullan called the meeting to order at 4:00 PM.

1. Review and Act Upon Acquisition of Real Estate/Property for Employee Housing

Board Chair Barbara MacMullan moved to enter closed session for purposes of discussing the acquisition of real estate/property for employee housing. John Warfel seconded the motion and the motion passed unanimously.

At approximately 4:25 PM Board Chair Barbara MacMullan moved to exit closed session. Elliot Taubman seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan reported that there were no decisions made, nothing to report and that the minutes of the closed session were sealed.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 4:25 PM.

APPROVED:

POSTED:

Block Island Utility District
April 22, 2022
5:30 PM

THIS MEETING WAS HELD IN PERSON AT THE
BLOCK ISLAND COMMUNITY CENTER ON CHAPEL STREET

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser, John Warfel, and Tom Risom.

Absent Elliot Taubman

Also Present: President Jeffery Wright, Marcum Auditor Kyle Conners (by phone) and BIUD CPA David Bebyn (by phone).

Board Chair Barbara MacMullan called the meeting to order at 5:32 PM.

1. Review and Act Upon the 2021 Financial Audit

Marcum Auditor Kyle Conner presented the BIUD 2021 financial audit (on record) and answered several Commissioner questions pertaining to the financial statements. He stressed BIUD's improving financial position. He also reviewed the revenue testing procedures and pointed out that the recorded annual revenue and cash balanced out at year's end.

Board Chair Barbara MacMullan moved to approve the BIUD 2021 Financial Audit and Year End Financials. Mary Jane Balser seconded the motion and the motion passed unanimously.

Kyle Conners and David Bebyn left the meeting at 6:00 PM.

2. Review and Act Upon Acquisition of Real Estate/Property for Employee Housing

Board Chair Barbara MacMullan moved to enter closed session for purposes of discussing the acquisition of real estate/property for employee housing. John Warfel seconded the motion and the motion passed unanimously.

At approximately 6:45 PM Board Chair Barbara MacMullan moved to exit closed session. Tom Risom seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan reported that there were no decisions made, nothing to report and that the minutes of the closed session were sealed.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 6:50 PM.

APPROVED:

POSTED:

Block Island Utility District
April 28, 2022
4:00 PM

THIS MEETING WAS HELD IN PERSON AT THE
BOUD POWER PLANT

Minutes

Participating BOD Members Present: Barbara MacMullan, Mary Jane Balser, John Warfel, Tom Risom and Elliot Taubman.

Also Present: President Jeffery Wright and several BIUD members including David Lewis and Renee Myers from the BI Times.

Board Chair Barbara MacMullan called the meeting to order at 4:03 PM.

1. Public Input

Commissioner John Warfel spoke to his knowledge of potential grant funds available for EV car charging and other power management projects. There was a discussion surrounding EV charging technologies.

2. Commissioner's Report

Board Chair Barbara MacMullan had nothing to report.

3. President's Report

President Jeffery Wright presented a short update on the Voltage Conversion outages that had taken place earlier in the month and described future work. He reported that all had gone extremely well.

4. Review and Act Upon BIUD By-Law Change for BIUD Commissioners Reimbursement of Actual Travel Expenses for External Meetings and Training

Board Chair Barbara MacMullan presented a draft policy for discussion. There was a lengthy discussion that resulted in some slight modifications to the final draft (on record). Member David Lewis provided input gained from his professional experience.

Mary Jane Balser moved to approve the by-law amendment. John Warfel seconded the motion and the motion passed unanimously.

Board Chair Barbara MacMullan moved to adjourn. John Warfel seconded the motion and the motion passed unanimously.

The meeting was adjourned at 6:50 PM.

APPROVED:

POSTED:

Block Island Utility District
Regular Meeting of Board of Commissioners
Wednesday, June 8, 2022 @ 4:00 PM

In attendance: Barbara MacMullan, Mary Jane Balser, Tom Risom, John Warfel, and Elliot Taubman.

Also Present: President Jeffery Wright, Tracy Fredericks, and members David Lewis, Chris Warfel, Steven Record

Board Chair Barbara MacMullan called the meeting to order at 4:03 PM.

1. Public Input

Chris Warfel of Entech Engineering provided those present with a packet showing his process for installing a solar system on a roof. Mr. Warfel voiced his opposition to the requirement of the second meter to meter the solar output. He then apologized for having to leave and asked that we postpone Agenda Item 2 until a future meeting.

2. Correspondence from Entech Engineering re: Wright and MacMullan Conduct on Net Metering, and the Tupy Interconnection

This agenda item was deferred to a future meeting.

3. Commissioner's Report

Board Chair Barbara MacMullan had nothing to report.

4. Approve Minutes from April 20, 2022, April 28, 2022, and May 16, 2022, Board Meetings

Only the May 16, 2022 minutes were prepared for approval. Mary Jane Balser made a motion to approve the May 16, 2022, meeting minutes, Tom Risom seconded the motion, and the motion was approved unanimously.

5. Treasurer's Report

Tom Risom presented his Treasurer's Report. He highlighted the balance sheet and explained that the Net Plant Value had increased by approximately \$800K in the past year due to the capital work either completed or in progress. He further explained that this would be increasing more due to the Voltage Conversion capital expenses.

He also reported that he had reviewed the March and April payroll, disbursements and credit card statements and all was in order.

Barbara MacMullan made a motion to approve the secretaries report, Mary Jane Balser seconded the motion. Motion approved unanimously.

6. Appoint NRUCFC Voting Delegate for the Annual Meeting to be held in Boston on Monday, June 20, 2022.

Mary Jane Balser made a motion to appoint Jeff Wright as the voting delegate for BIUD. The motion was seconded by Tom Risom and was approved unanimously.

7. Review and Act Upon NRUCFC's \$1.4 Million loan to be utilized for the purposes of purchasing a townhouse for use as employee housing.

President Jeffery Wright presented the CFC Certificate of Resolution and Incumbency necessary to approve a \$1.4M loan to be used for the purchase of a Townhouse to be used for employee housing. Board Chair Barbara MacMullan moved to approve the loan and for Secretary John Warfel to execute the Certificate of Resolutions and incumbency. Tom Risom seconded the motion and the motion passed unanimously.

Secretary John Warfel executed the CFC Certificate of Resolution and Incumbency (on record).

8. Review of Net Metering Tariff – Approved/In Effect April 1, 2022

President Jeffery Wright presented the new tariff terms. A lengthy discussion was had regarding the definition of Net Metering and the reason for metering the output separately.

Jeff Wright provided the financial analysis that the BOD sub-committee used to review the economics when developing the new program.

9. Review and Act Upon Original Net Metering Policy – Must be submitted to PUC for approval by July 31, 2022.

President Jeffery Wright asked the board if they would create a two-person sub-committee to work on revising the legacy tariff prior to filing.

Mary Jane Balser made a motion to appoint Barbara MacMullan and John Warfel to work with Jeff Wright to vet the legacy Net Metering Policy. The motion was seconded by Tom Risom and the motion was approved unanimously.

There was no further discussion.

A motion to adjourn was made by Barbara MacMullan. The motion was seconded by Mary Jane Balser and the motion was approved unanimously.

The meeting was adjourned at 6:13 PM.

Block Island Utility District
Regular Meeting of Board of Commissioners
Wednesday, June 23, 2022 @ 4:00 PM

In attendance: Barbara MacMullan, Mary Jane Balser, John Warfel, Tom Risom and Elliot Taubman.

Also Present: President Jeffery Wright, Tracy Fredericks, employees Tom Durden and Evan Carey, BIUD Contract Greg Horne, Entech Representative Chris Warfel and member David Lewis.

Board Chair Barbara MacMullan called the meeting to order at 4:05 PM.

1. Public Input

There was no public input.

2. Correspondence from Entech Engineering re: Wright and MacMullan Conduct on Net Metering, and the Tupy Interconnection

Chris Warfel spoke in detail for more than an hour about his objections to the new net metering tariff, his frustrations with the process in which the new tariff was developed, and voiced all of the challenges he has with installing the second meter for the solar. He also expressed his disappointment that BIUD had not hired experts to help develop the tariff. President Jeffery Wright reiterated the public process in which the tariff was developed and explained that had hired LaCapra and Associates to develop the avoided cost calculation and solar credit. He also described the annual adjustment that will take place each year with the power supply and transmission reconciliation.

Mr. Wright further explained that he felt that the constant emails to the BOD and himself had crossed the line and were harassing. He asked Mr. Warfel to stop emailing him personally and explained that he had questions regarding his personal account, net metering installation or complaints that he could call the office, e-mail Tracy, communicate via US Mail or attend BOD meetings to offer "public input." Board Chair Barbara MacMullan committed to hosting a site visit to Joseph Lipscomb's residence to review a typical net metering interconnection.

3. Commissioner's Report

Board Chair Barbara MacMullan had nothing to report.

4. Approve Minutes from April 20, 2022, April 28, 2022, and May 16, 2022, Board Meetings

Board Chair Barbara MacMullan commented that the minutes had many revisions and edits required and asked Mr. Wright to include an improved draft in the next BOD packet. No action was taken subsequently.

5. Treasurer's Report

Treasurer, Tom Risom reported that he had reviewed the April and May payroll, disbursements and credit card statements and that all was in order.

6. President's Report

President Jeffery Wright reported that the NE Coop Association annual meeting and spring conference were a success with 76 attendees. He briefly described the presentations which included VEC's home storage project, NH Electric Coop's work with EV time of use rates. He presented an update on the EV school bus and its arrival in mid to late July. He also reported on the CFC Forum. He reported that the GA had approved

the BIUD legislation allowing BIUD Commissioner reimbursement of actual expenses for outside training and meetings. He finished by soliciting feedback regarding the August 27th BIUD Annual Meeting.

7. Review and Act Upon NRECA Commitment to Zero Contacts – BIUD Board Resolution

President Jeffery Wright reviewed a recent incident in which a line was faulted by Three Phase employee that resulted in an outage on the Old Harbor Circuit. He further explained the NRECA program, “Commitment to Zero Contacts.” Contractor Greg Horne and employees Evan Carey and Tom Durden spoke about the company’s safety culture and in support of signing up with the program. Board Chair Barbara MacMullan moved to adopt the resolution (on file). Tom Risom seconded the motion and it passed unanimously.

Secretary John Warfel signed and stamped the resolution.

8. Review and Act Upon Gravel Pit III PPA

President Jeffery Wright explained that DE Shaw had canceled the two PPS recently signed by BIUD. He further explained that although the RI PPA (Gravel Pit I) was not open for renegotiation, DE Shaw was making an offer to replace Gravel Pit II with Gravel Pit III. The terms and pricing are on record in the BOD packet. Mr. Wright recommend to the BOD that BIUD accept the terms of the Gravel Pit III PPA.

John Warfel moved to authorize President Jeffery Wright to execute the Gravel Pit III PPA. Mary Jane Balser seconded the motion and it passed unanimously.

9. Review and Act Upon Power Supply Procurement

President Jeffery Wright discussed the recent increase in recent ISO-NE LMP prices and the threat of further rising prices in the New England energy markets. He then presented ENE’s recommendation on procuring energy to increase BIUD’s position closer to 100% hedged (to reduce market risk) through the expiration of the current load following contract and then beyond for a period of up to three years. Mr. Wright asked for BOD approval to procure additional energy to bring the current contract closer to 100% hedged through 4/30/23 (at a price not to exceed \$84.28/MWH) and also for a new load following contract of up to three years (price not to exceed \$80/MWH). He explained that ENE was recommending we act expeditiously.

John Warfel made a motion to authorize Mr. Wright to procure energy as he requested. The motion was seconded by Mary Jane Balser and the motion was approved unanimously.

A motion to adjourn was made by Barbara MacMullan. The motion was seconded by Mary Jane Balser and the motion was approved unanimously.

The meeting was adjourned at 6:13 PM.

AGENDA ITEM 4
APPOINT VOTING DELEGATE
FOR
NMRECA AND CFC REGION ONE MEETING
(TO BE HELD ON SEPTEMBER 7, 2022 IN
INDIANAPOLIS, INDIANA)

**NRECA AND CFC VOTING DELEGATES FOR THE REGION 1 MEETINGS
(HELD IN INDIANAPOLIS, INDIANA)**

The NRECA and CFC Region 1 meetings will be held on September 7th in Indiana. I would encourage at least one Commissioner to attend. BIUD needs to appoint voting delegates for each meeting.

There is a CFC election for Region 1 Director this year. That ballot can be mailed in.

The NRECA Resolutions Voting is in person this year and the voting delegate will be responsible for voting on member resolutions. Member resolutions provide direction to NRECA Management and the NRECA Board of Directors in their lobbying efforts. The resolution process provides policy set by the governance of its member representatives.

I am not allowed to be the voting delegate for these meetings due to my position on the NRECA BOD. Traditionally Barbara MacMullan has been the voting delegate and has attended the NRECA meeting remotely.

AGENDA ITEM 5
TREASURER'S REPORT

AGENDA ITEM 6
PRESIDENT'S REPORT

PRESIDENT'S UPDATE

JULY 28, 2022

Power Supply

Wholesale energy prices continue to escalate, and ENE does not feel it is a short-term problem. On Page 4 of my update is a chart that I shared in the last meeting that charts the ISO-NE Local Marginalized Price (LMP). The chart is updated through July 25th. It shows the hourly average minimum, average and maximum LMP.

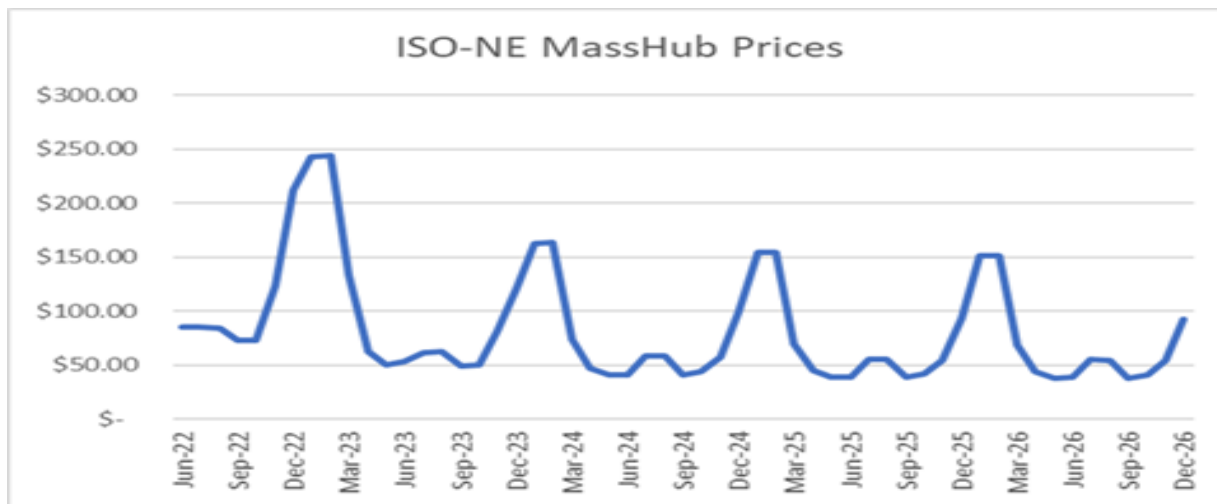
Up until July 6th, we would have been exposed to these real-time prices as we were only hedged as shown in the matrix below:

	2022						2023			
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
REQUIREMENTS	2525	2647	1642	1077	958	995	1070	876	937	882
OPEN TO LMP	306	335	140	188	127	147	176	114	87	30
% OPEN	12.1%	12.7%	8.5%	17.5%	13.3%	14.8%	16.4%	13.0%	9.3%	3.4%

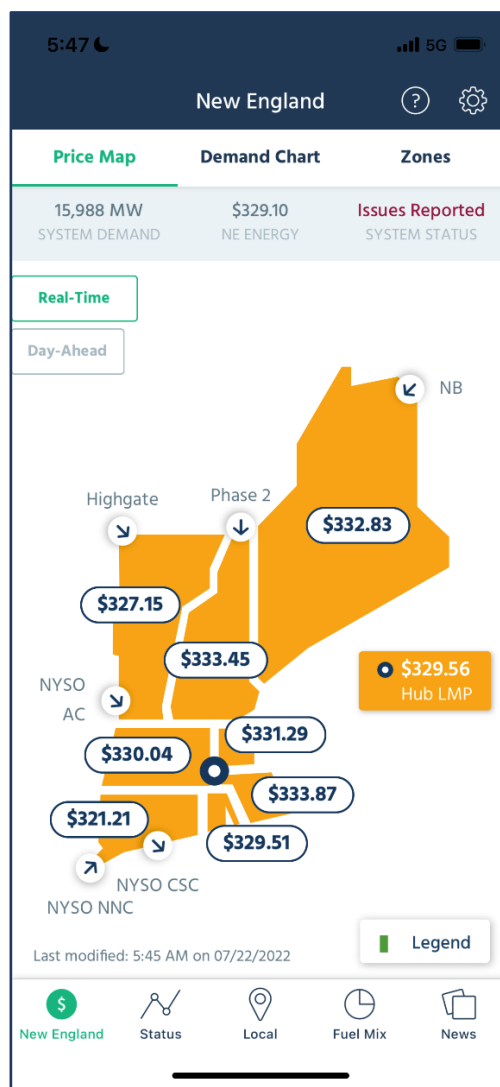
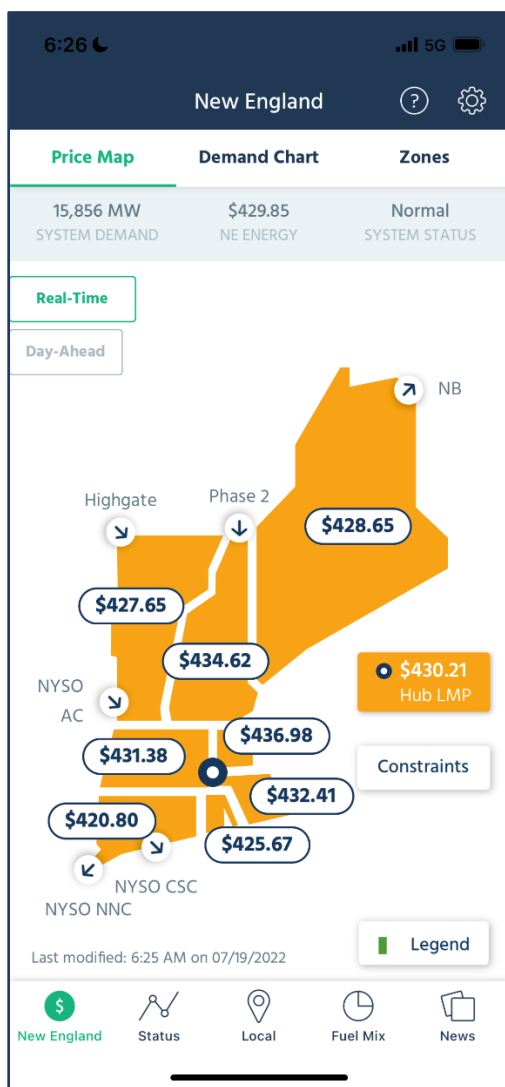
Normally the summer prices are low and having some open position is not a bad thing as the LMP during the summer months is typically lower than the annual average. For the past year, prices have been increasing rapidly, and having any open position exposes one's consumers/members to those unusually high prices.

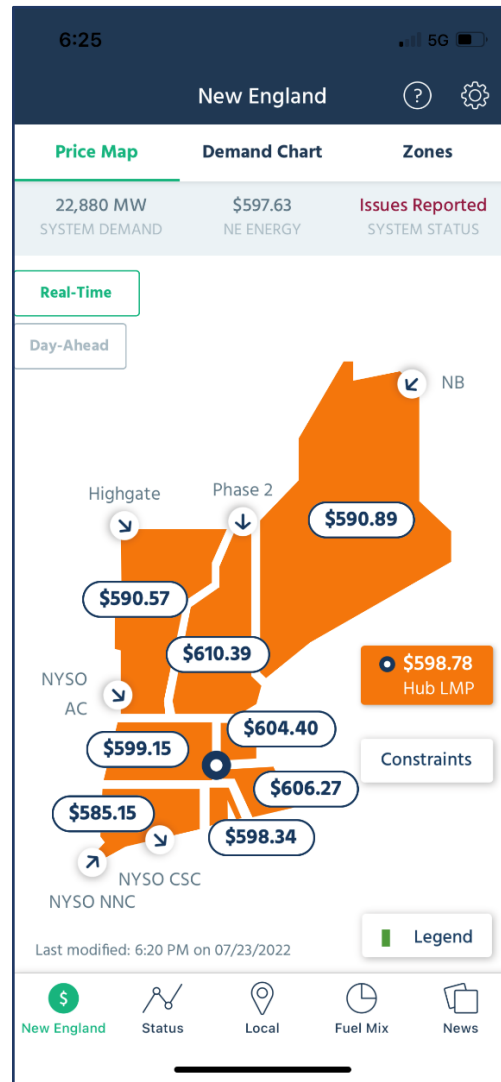
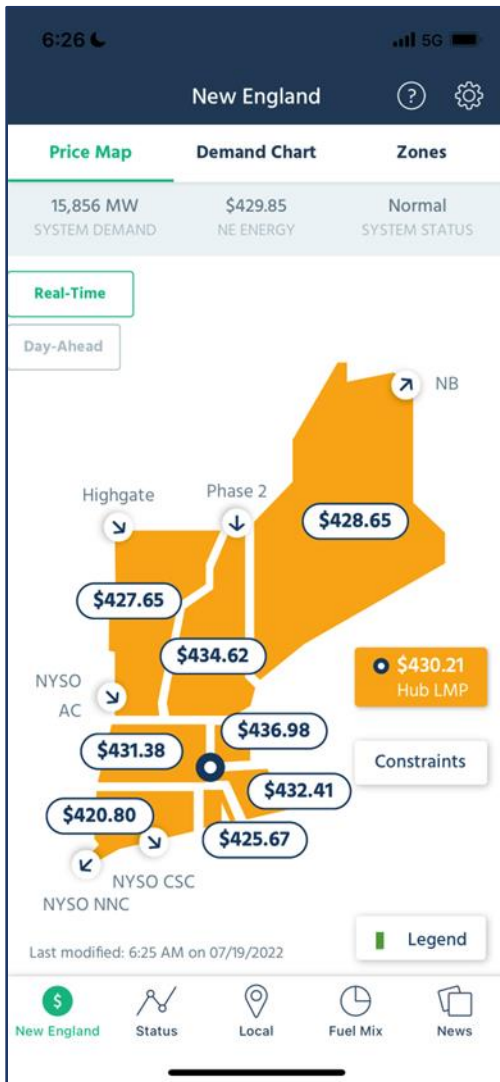
On July 6th we executed two new contracts with Shell North America.

- 1) The first was to increase our existing load following percentage to an average of just less than 100%. Shell did a "blend and extend" of our current contract that expires on April 30, 2023. The price rose from \$49.90 to \$65.25 but nearly eliminates all the ISO-NE interchange exposure which was budgeted at \$84 but has since hit highs over \$600/MWH. At the time of this procurement, the MassHub forward price curve looked like this chart below:

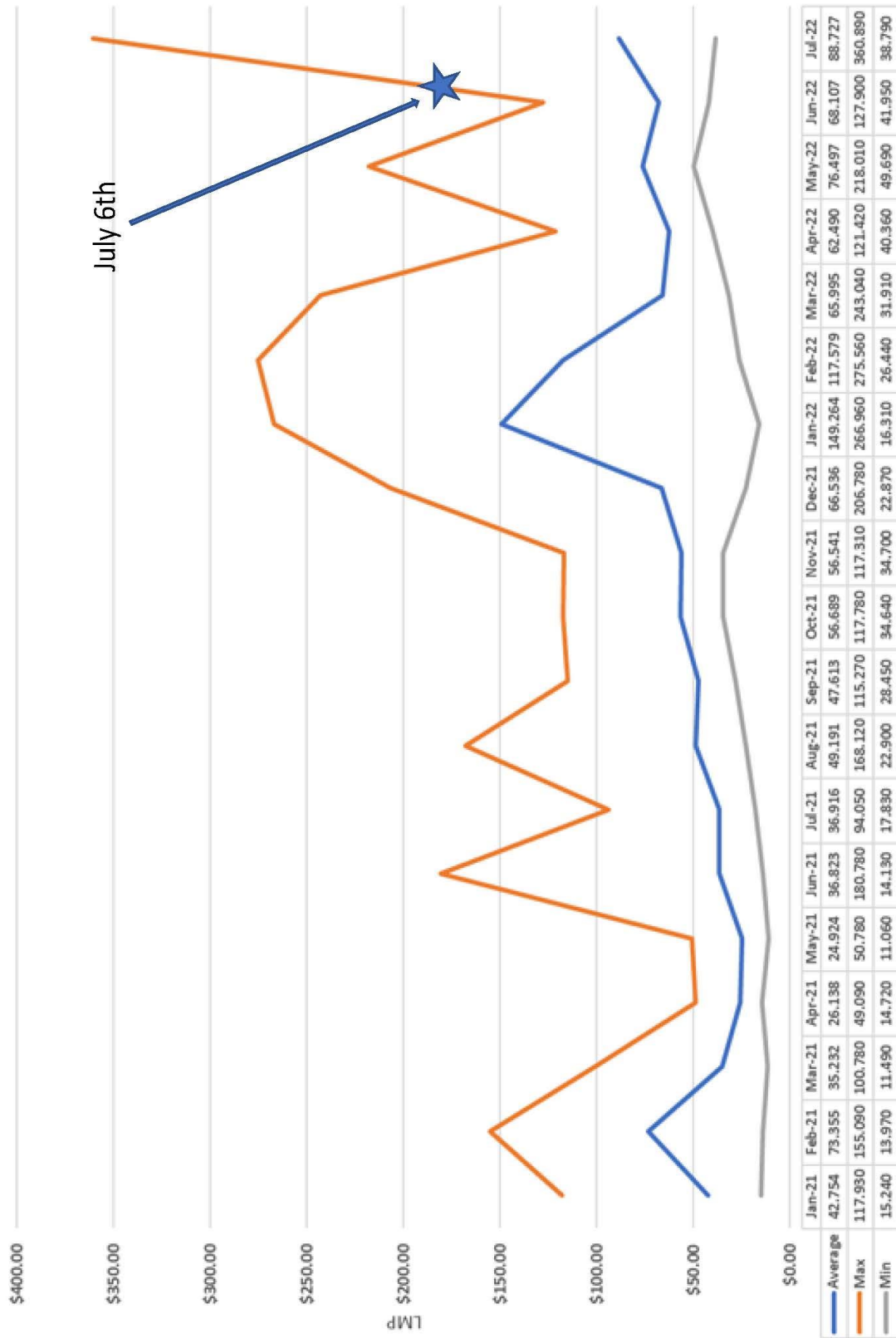


Over the past two weeks, I have been closely following the real-time LMP. I feel very good that we acted when we did and with the pricing we got from Shell. If we had waited even another week, the outcome could've been different. Below are some screenshots (in chronological order during heavy and light load periods) from the ISO TO GO application:





Rhode Island Day-Ahead LMP



- 2) The second contract we executed was for the same level of load following for the period May 1, 2023 – October 31, 2025. It is a three-year contract at a price of \$76.50/MWH. The good news is that we have some softening of other costs such as capacity that will help offset the impact of this higher price contract.

Operations During Heatwave

The new WYE system operated flawlessly during the heatwave. Despite hitting a high peak of 5.294 MW, the substation bus was only loaded to 32% capacity. The distribution circuits were only loaded from a low of 26% (Airport Circuit) to a high of 46% (High Street Circuit). The ISO-NE and BIUD peak data matrix is updated below:

<u>ISO-NE PEAKS AND BIPCO COINCIDENTAL PEAKS</u>					<u>BIPCO NON-COINCIDENTAL PEAKS</u>			
Date	Day	Hour	System Peak Load (MW)	BIUD Coincidental Load (MW)	BIUD Peak Day/Date	Day	Hour	BIUD Summer Peak (MW)
6/13/2017	Tue	17	23,508	2.314	7/20/2017	Thu	21	4.193
8/29/2018	Wed	17	25,528	3.867	8/17/2018	Thu	20	4.831
7/30/2019	Tue	19	23,973	4.647	7/20/2019	Sat	19	5.082
7/27/2020	Mon	18	24,695	4.435	7/30/2021	Thu	19	4.749
7/16/2021	Fri	18	22,365	4.753	7/17/2021	Sat	19	5.280
7/20/2022	Wed	19	24,290	4.643	7/22/2022	Fri	19	5.294

Up until Friday, we had only hit a high of about 4.6 MW. I will know when we run the July billing how system losses will look.

In June, due to the voltage conversion, we recognized a 2.75% reduction in system losses from June 2021. Electric sales were up 1.77% while total purchases (deliveries) were down 1.42%. I suspect this trend will continue and the voltage conversion project will prove itself more economical than we estimated. Although a 2.75% loss reduction represents less than \$10,000 savings in June if we can recognize that each month, there could enough savings to fund the debt service on the project.

We did experience one outage on the High Street circuit that affected members from the Town Hall to Mohegan Trail and down High Street. The outage was restored in approximately 20 minutes. It was part of the old delta system and was caused by an undersized fuse. That problem has been eliminated.

Champlin's Marina Interconnection

We are meeting with the Champlin management team next Wednesday to discuss their interconnection. Initial analysis shows that a BIUD supply during June-July-August will be very cost-effective for them. They are generating about 9,600 kWh a day to serve their load. This requires approximately 550 gallons of fuel each day at the current cost of \$5.50/gallon.

Employee Housing

The basement apartment has become an all-hands-on-deck team-building exercise and is about 75% complete. It will be completed by the end of August.

EV School Bus

The school bus is slightly delayed but will arrive in the upcoming weeks in time for the school year. We are ready to work with the team to commission the bus and start testing the EV-Grid feature.

AGENDA ITEM 7
REVIEW AND ACT UPON ANNUAL MEETING AGENDA

DRAFT FOR REVIEW

**Block Island Utility District
Notice of
Annual Meeting
Saturday, August 27, 2022 @ 4:00 PM**

**THIS MEETING WILL BE HELD IN PERSON OUTSIDE AT
THE UTILITY DISTRICT POWER PLANT
100 OCEAN AVENUE, BLOCK ISLAND, RI 02807**

Tents, chairs, refreshments and restroom facilities will be provided.

1. Public Input
2. Commissioner's Report
3. Treasurer's Report
4. BIUD's Financial Status (presented by Jim Mieres NRUCFC Regional Vice-President)
5. President's Report
6. Power Supply's Impact on Climate Change (Presented by Noble Prize Winner Michael Oppenheimer).

Individuals requesting services for the deaf and hard of hearing must call (401) 466-5851 forty-eight hours in advance of the meeting date.

Posted: _____

AGENDA ITEM 8
REVIEW AND ACT UPON UTILITY SCALE BATTERY RFP
PROCESS/PROPOSAL
AND BI SOLAR INITIATIVE DONATION OF PARTIAL FUNDING

UTILITY-SCALE BATTERY – FRACTAL RFP PROPOSAL
BI SOLAR INITIATIVE DONATION

At our January 27, 2022, meeting I presented a NexAmp Utility Scale Battery proposal. At that meeting, it was decided to study the need and economics more and solicit the help of ENE to conduct an RFP process. Shortly after that meeting, ENE announced they were going to be working on, and issuing a joint RFP, for their clients who were interested in utility-scale storage. I asked that BIUD be included in that work. To date, ENE has not issued a joint RFP yet.

I was recently approached by the BI Solar Initiative which offered to help BIUD procure a utility-scale battery. In an effort to fast-track the RFP process I contacted ENE who recommended a Texas firm, Fractal Energy Consultants, to help with the RFP. I met with the owner and obtained a proposal to conduct the RFP process. I presented the Fractal proposal to the BI Solar Initiative for their consideration. The donor has agreed to fund the majority of the RFP process. BIUD would be required to pay 27% of the cost. The cost share is detailed below:

Sizing Analysis	\$7,500	BIUD
Draft RFP Package	\$12,000	Solar Initiative
RFP Management Support	\$4,500	Solar Initiative
Short List Bid Screening and Evaluation	\$7,200	Solar Initiative
Final Evaluation and Screening	\$4,500	Solar Initiative
Final Contract Negotiations	Hourly @ \$300/HR \$3,000	BIUD
Total Cost	\$38,700	27% BIUD – (\$10,500) 73% BISI (\$28,200)

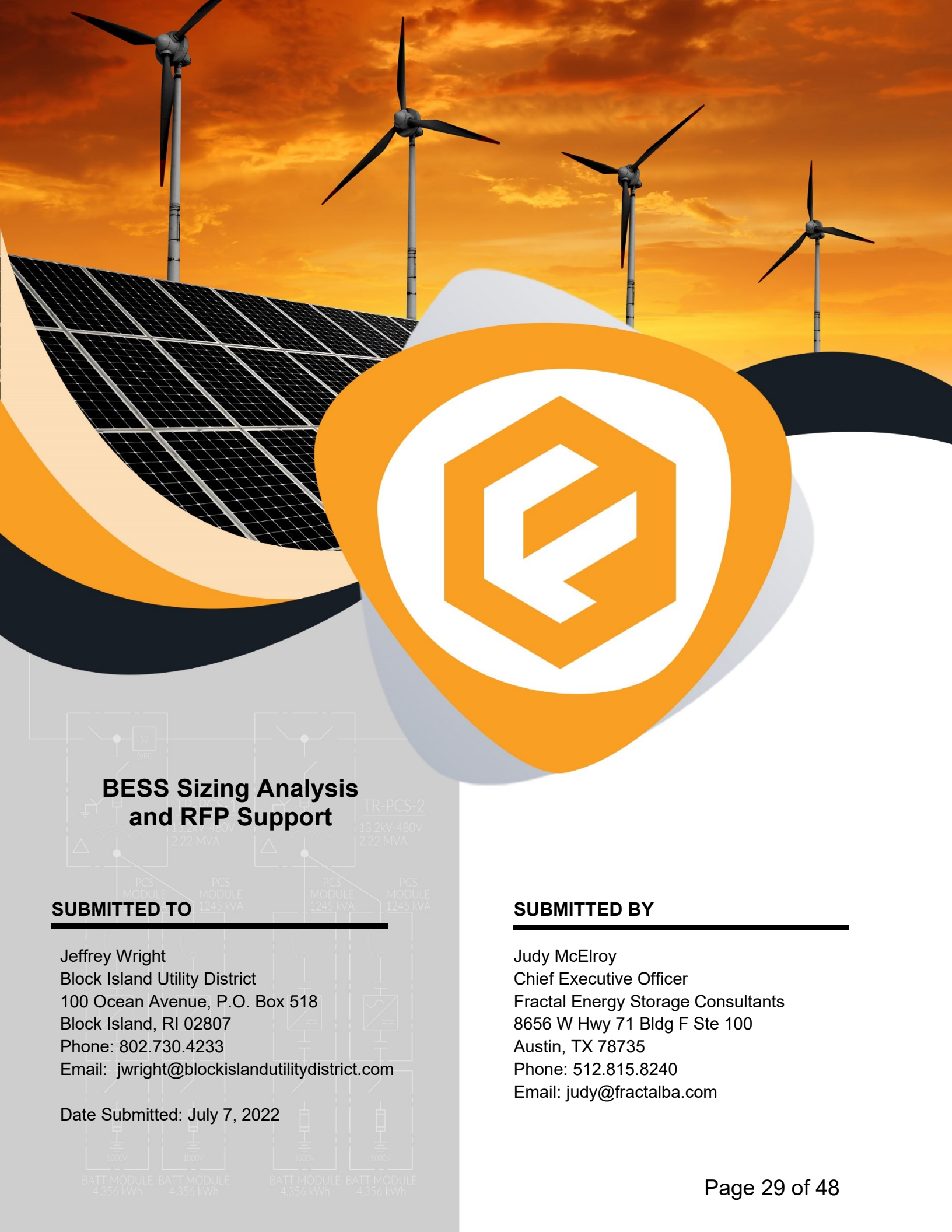
Additionally, the BI Solar Initiative has committed to providing \$250,000 match money to secure the RI-Office of Energy Resources (“OER”) “Non-Wires Alternative” Grant. OER has forwarded me the grant application and has confirmed the funding is still ear-marked and available to BIUD for a project like this.

These funds would then be used to “buy down” the PPA that we would negotiate with a potential vendor. The vendor would own, operate, and maintain the battery. The benefit to BIUD would be a shared savings agreement like the NexAmp proposal but the proportion of savings would be more weighted towards BIUD because of the buy-down.

I would like to ask the BIUD BOD to authorize the use of \$10,500 of capital funds to conduct an RFP process for a utility-scale battery, used as our contribution to the total cost of \$38,700. I would also like to apply for the Non-Wires Alternative grant to expedite the procurement if we settle on a cost-effective solution.

After the proposals are received and evaluated, we will update the BOD before proceeding.

The full Fractal proposal will be sent as a separate attachment and posted to the website.



BESS Sizing Analysis and RFP Support

SUBMITTED TO

Jeffrey Wright
Block Island Utility District
100 Ocean Avenue, P.O. Box 518
Block Island, RI 02807
Phone: 802.730.4233
Email: jwright@blockislandutilitydistrict.com

Date Submitted: July 7, 2022

SUBMITTED BY

Judy McElroy
Chief Executive Officer
Fractal Energy Storage Consultants
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1.0 Cover Letter

Fractal Energy Storage Consultants (Fractal) is pleased to provide the following proposal for BESS analysis and RFP Support. As a leader in energy storage and renewable energy consulting, Fractal has an extensive and successful history of delivering procurement, technoeconomic analysis and owner's engineering services. Fractal has performed every aspect of this scope of work across multiple utility-scale BESS projects to include analysis, procurement, contract negotiations, engineering design, construction and commissioning support. The Fractal team is comprised of individuals that have personally installed, integrated, commissioned, operated and maintained BESS assets across multiple markets. This hands-on experience, in addition to our sophisticated modeling tools, is what differentiates our team.

Unmatched Experience

Over the past seven years Fractal has performed design, analysis and due diligence on over 500 utility-scale engagements to include renewable energy, battery storage and hybrid systems. Our team has hands-on operation and management of 3 GWh of battery storage (standalone and paired with solar and wind). Finally, we have successfully supported over 50 utility-scale RFPs across different markets, sizes and technology pairings.

Expert Modeling (Fractal Model)

Fractal is an industry expert in modeling energy storage and hybrid projects. We have developed powerful technoeconomic modeling tools that provide investment grade analysis, simulate performance, model degradation, and optimize the economics of a project.

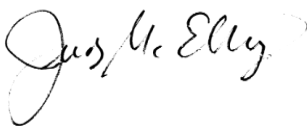
Woman Owned

Fractal is a small, woman-owned business. It is our goal to ensure women remain a vital part of our nation's economic success. Diversity leads to innovation.

In summary, our project team has the experience, skills and capabilities to successfully complete all facets of the scope of work.

Thank you for considering our proposal.

Respectfully submitted,



Judy McElroy
Chief Executive Officer
Phone: 512-815-8240
Email: judy@fratalba.com



CERTIFIED
Women Business
Enterprise

2.0 Economic Proposal

Sizing Analysis – Please see Section 3.0

Task	Hours	Rate	Total
Sizing Analysis	25	\$300/hr	\$7,500
Analysis up to 10 Business Models and Preliminary Report		---	
Kickoff, Two Review Sessions		---	Included

RFP Support – Please see Section 4.0

Tasks	Rates	Est Hours	Total
Drafting RFP Package Includes Instructions, BESS Term Sheet, Pricing Workbook, up to 5 calls, email correspondence, up to 5 draft RFP packages	\$300/hr	40 Hrs	\$12,000
RFP Management Support Bidder Q&A, Pre-Bid Webinar, Addenda Preparation as Requested	\$300/hr	15 Hrs	\$4,500
Bid screening, evaluation and short-listing *Assuming 6 Bids screened, Fractal can do more or less as requested. Includes up to 3 calls, email correspondence, bidder clarifications, screening results.	\$300/hr	4 Hrs/Proposal 24 Hrs	\$7,200
Short-list full evaluation and scoring *Assuming 3 Short-Listed Bids Evaluated, Fractal can do more or less as requested. Includes up to 3 calls, email correspondence, bidder interviews, results report. BIUD can determine which bids to proceed with full evaluate based on TCO ranking.	\$300/hr	5 Hrs/Proposal 15 Hrs	\$4,500
Finalist contract negotiations and revisions)	\$300/hr	As Requested	TBD
Optional Turn-Key EPC, Toll or Share Savings Agreement Calibrated for project Includes 5 hours of post-delivery calibration and all exhibits including BESS technical exhibits.			\$10,000
Optional Turn-Key LTSA Calibrated for project Includes 5 hours of post-delivery calibration and all exhibits.			\$5,000
Additional calls, stakeholder presentations and deliverables as requested	\$300/hr		
Optional OE Services – see Appendix D			


Payment Terms

The following payment terms apply between Fractal Energy Storage Consultants and BIUD (“Client”):

- **Notice to Proceed.** The Notice to Proceed will commence upon signature of this Statement of Work and signature of the Fractal Model Standard Service Agreement and License Terms by Fractal and Client.
- **Invoicing and Payment Terms.** Currency is quoted in U.S. dollars and services are billed on a Net 30 basis. Payments not received within Net 30 will accrue a 1.0% monthly interest rate on any outstanding balance

- **Travel and Site Visits.** Client may request Fractal to travel for a site visit or to manage a site walk with the bidders, but travel will be billed separately. Travel costs (e.g., time, flights, cab fare and accommodations) will be billed in addition to the cost of the model at the following rates:
 - Flights, transportation and accommodations billed at cost.
 - Travel time (one hour before flight, time spent flying and connecting and one hour after arrival) billed at \$62.50/Hr.
 - Time outside of Support Hours will be billed at normal consultant / engineer rate of \$300/hr.
 - Travel pre-approved by Client.
- **Coordination and Schedule.** Fractal shall kick off project with Client upon execution of this Statement of Work. Any revisions or change orders will extend the final deliverable date, as agreed upon with Client. Any changes to this scope or schedule will be discussed and agreed upon with Client prior to Notice to Proceed. Fractal reserves the right to adjust the project completion date caused by any delays in content provided by Client.

Thank you for your consideration of our proposal, we look forward to assisting you.



Judy McElroy
Chief Executive Officer
Fractal Energy Storage Consultants

Name: _____

Title: _____

Block Island Utility District

Fractal has additionally provided an optional OE Services scope of work in Appendix D for your review. This would not be considered until after the procurement is completed. Based on the specific needs of your project and timing, Fractal can prepare a detailed OE Services scope of work for your review.

AGENDA ITEM 9
REVIEW AND ACT UPON BI SOLAR INITIATIVE
DONATION OF EV BUCKET TRUCK

The BI Solar Initiative has offered to fund an EV bucket for BIUD, subject to final funding approvals. The truck is manufactured by Terex, one of the leading bucket truck manufacturers in the USA. There is only one deployed at this time, but eight others are ordered and will be delivered before Q1, 2023. If we accept this generous offer, our truck would be #10 in the country. It would be sold and maintained by JW Kiley in Massachusetts. Their full proposal is included in this packet.

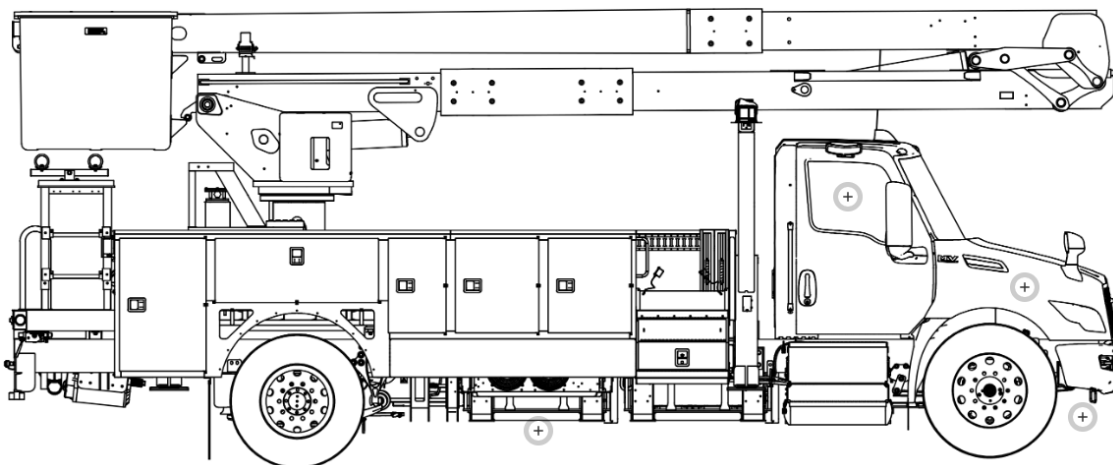
More information can be found by following this link:

<https://www.terex.com/utilities/en/products/terex-green-solutions/terex-ev>



Terex Fully-Electric Aerial Device

The Terex EV Aerial



I would like to ask the Block Island Board of Utility Commissioners for approval to accept this generous gift subject to the funds for the balance due being placed in escrow, or other restricted account. The BI Solar Initiative would write the check for the 10% down payment and then the check for the remaining balance when the vehicle is delivered. The vehicle will be titled in BIUD's name upon delivery.

July 12, 2022

Block Island Power Company
100 Ocean Ave
PO Box 518
Block Island, RI 02807

Attention: Jeff Wright

We are pleased to submit a proposal for furnishing one **All Electric Bucket Truck**, including Line and Service Body equipped with a Terex Telelect HR55 Overcenter Material Handling Aerial Device, mounted an *eMV607* international chassis.

Aerial Unit:

- 55 ft. from ground to bottom of basket, 60 ft. working height.
- Basket on curbside of upper boom.
- 116 degrees of lower boom articulation.
- Fiberglass Upper Boom, 193 degrees of articulation.
- Fiberglass Lower Boom insert –18” clear.
- Category C machine rated at 46 KV
- Smart PTO Hypower – 28kw battery*
- 24” x 48” basket, 700 lbs. capacity
- 24” x 48” basket liner.
- Vinyl basket and control cover.
- Hydraulic basket rotator.
- Single stick upper controls.
- Hydraulic basket tilt, with control at basket and lower controls.
- 2000 lb. hydraulic articulating jib and winch -
 - 120 degrees of articulation
- Hydraulic jib extension underload.
- Jib and winch mounted on streetside of upper boom.
- Dual hydraulic tool outlet at basket controls.
- 12v Auxiliary let down pump, control at basket and lower controls.
- Continuous rotation.
- Lower controls mounted on mast.
- Tool outlet valve at outrigger controls.
- Hydraulic pump
- Basket rest.
- Lower boom rest saddle.
- Two sets of A frame Outriggers
- 30 Gallon External Oil Reservoir.
- Boom powder-coated White

Body and Accessories:

- Aluminum line and service body
- Five cabinets on curbside
- Six cabinets on streetside
- Curbside access way in first vertical compartment
- Streetside hot-stick shelf
- Master lock
- Rubber fender edges
- 32" tailshelf
- Four chock block holders
- Basket access steps and grab handles
- 50 ft. 2/0 Grounding Cable
- Hour meter for PTO
- Back up alarm
- Two amber top mounted Strobe lights
- Two rear mounted strobes
- Two front mounted strobes
- Top mounted box, mounted left side
- Body Powder-coated white

International eMV607

- 33,000 GVWR
- 12,000 lb. Front axle
- 23,000 lb. Rear axle
- Electric drivetrain*
- Rear air suspension
- 149.9" CA
- Conventional cab
- Air brakes
- Battery disconnect switch
- Automatic climate control
- Aluminum wheels
- 11R 22.5 tires
- White

Price of Body, Equipment and Chassis unit per above Specifications: . . \$619,677.00

Due to the unprecedented issues with costs and supply chain delivery, this proposal is subject to an adjustment equal to any surcharges Terex, Dakota Body & IHC applies to the order prior to delivery.

Estimated delivery – first quarter of 2023

All prices - F.O.B. Somerville, Massachusetts.
10% down payment, and Purchase Order required at time of order.

No provision for State or Federal Taxes.

We trust that this proposal meets with your approval and that we may be able to serve you.

Please sign here, and fax / email back, to confirm this order and send deposit.

_____ date

Very truly yours,

JAMES A. KILEY CO.

James A. Kiley, jr.

JAMES A KILEY CO.
15 LINWOOD ST.
SOMERVILLE MA 02143
Phone:617-776-0344 Fax:617-776-6261

Invoice Date: 07/26/2022

Sold to: 5285
Bill to: 5285

Ship to:

BLOCK ISLAND POWER COMPANY
100 OCEAN AVE
PO BOX 518
BLOCK ISLAND, RI 02807

BLOCK ISLAND POWER COMPANY
100 OCEAN AVE
PO BOX 518
BLOCK ISLAND RI 02807
ATTENTION: JEFF WRIGHT

TERMS: NET
Cust PO :
MV NO :
Ship Via: DRIVEAWAY

OUR ORDER #67506

1 - Line and Service Body and HR-55
Aerial Device with Smart PTO
painted and mounted on an IHC EV chassis.
All per our proposal of 7/12/2022.

Deposit \$61,967.00
=====

AGENDA ITEM 10
REVIEW AND ACT UPON LEGACY NET METERING TARIFF
(FILING DEADLINE 7/31/22)

**BLOCK ISLAND POWER COMPANY
LEGACY NET METERING
FOR
SINGLE METER SYSTEMS
INSTALLED PRIOR TO DECEMBER 31, 2020**

TARIFF

This Tariff sets forth interconnection requirements, equipment specifications, and metering for Block Island Utility District consumer/members who are currently enrolled in the Utility District's legacy Block Island Power Company net metering program and were connected prior to December 31, 2020.

DEFINITIONS

"Net metering" means a system of metering electricity in which Block Island Utility District credits a Block Island Utility District consumer/member for excess generation.

"Net Metering System" means the system that includes the consumer/member's generator and interconnecting equipment.

"Generation Credit" means the credit allocated to the consumer/member's bill in the form of a bill credit for all excess generation. The Generation Credit which will be based on the Utility District's Last Resort/Power Supply and Transmission Rates – minus – the Non-Bypassable Charges embedded within those rates. Examples of Non-Bypassable Charges are National Grid's Direct Assignment Facilities fixed charges.

"Non-Bypassable Charges" means those portions of the Utility District's Last Resort/Power Supply and Transmission Rates that are fixed and not a function of consumption or production.

"Last Resort/Power Supply and Transmission Rates" means those tariffs that identify specific variable and non-bypassable charges that are used in calculating the Net Metering Rate.

"Annual Reconciliation" means the regulatory filing done annually to determine the Last Resort/Power Supply, Transmission and Net Metering Rate.

"Utility District" means the Block Island Utility District dba Block Island Power Company.

GENERAL PROVISIONS

1. This tariff applies to Net Metering Systems installed prior to December 31, 2020 and were connected under the terms of the legacy Block Island Power Company Net Metering Policy most recently dated January 1, 2018. BIUD will maintain a current list of in service facilities.
2. No new installations may be connected under the terms of this tariff. Any new net metering facility must be connected under the terms of Block Island Utility District's net metering tariff that went into effect April 1, 2022.
3. This tariff will expire on June 30, 2042. Any projects that remain in service at this time will have the option of transitioning to the dual meter tariff or retiring their facilities.
4. Maintenance of the systems connected under the terms of this tariff is allowed, but the DC nameplate rating and AC output must not be increased more than 15%. Any increase in either the AC or DC nameplate capacity greater than 15% will result in the facility being subject to the terms of the new tariff in effect April 1, 2022.
5. Pursuant to this Net Metering Tariff, the Utility District will continue to offer net metering to all existing residential accounts that are currently enrolled in the legacy program.
6. All accounts will be reconciled monthly.
7. Excess Renewable Net Metering Credit shall be equal to BIUD's net metering rate which is approved annually with the district's power supply and transmission reconciliation. The applicable rate is calculated as follows:

Last Resort/Power Supply Service + Transmission – (Direct Assignment Facilities "DAF" Charges + Block Island Transmission System "BITS" Charges + BIUD Interconnection Amortization Expenses).

8. Each consumer/member's net metering bill will undergo a monthly reconciliation of the Generation Credit and Consumption Metered usage. In the event the amount due on the consumer/member's bill is a negative number, this amount will be carried over to their next bill as a credit. If a credit is maintained for more than two years, the member/consumer will forfeit the credit balance.
9. The customer must maintain equipment approved by BIPCo which prevents the flow of electricity into BIPCo's system when BIPCo's supply is out of service.

10. BIPCo shall have the right to disconnect any facility if in BIPCo's opinion the facility interferes or is likely to interfere with BIPCo's service to other customers.

METERS AND METERING

1. PV and wind systems require the installation of a smart (AMI) meter by the Utility District. An additional meter socket (meter type and location must be approved by the Utility District) will be installed by the customer to measure the amount of electricity produced by the generating facility.

REQUIREMENTS FOR INVERTER-BASED SYSTEMS

1. The Utility District's distribution circuits generally operate with automatic re-closers, which activate following a fault and line trip. The consumer/member is responsible for protecting their net metering equipment from being re-connected out of synch with the Utility District's system.
2. For Net Metering Systems that utilize PV technology, it is required that the system comply with IEEE Standard 929-2000, "IEEE Recommended Practice for Utility Interface of PV Systems". The inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, Static Inverters and Charge Controllers for Use in PV Power Systems.". Based on the information supplied by the Interconnecting Customer, if the Utility District determines the inverter is in compliance with UL 1741, the Interconnecting Customer's request for interconnection will be approved.
3. For Net Metering Systems that utilize wind technology or other direct current energy sources and employ inverters for the production of alternating current, the inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, "Static Inverters and Charge Controllers for Use in Photovoltaic Power Systems." Based on the information supplied by the Interconnecting Customer, if the Utility District determines the inverter is in compliance with UL 1741, the Interconnecting Customer's request for interconnection will be approved,

FORCE MAJEURE

An event of Force Majeure means any act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, any curtailment, order, regulation or restriction imposed by governmental, military or lawfully established

civilian authorities, or any other cause beyond either party's control. A Force Majeure event does not include an act of negligence or intentional wrongdoing. Neither the Utility District nor the interconnecting consumer/member will be considered in default as to any obligation under Interconnection Requirements if prevented from fulfilling the obligation due to an event of Force Majeure. However, a party whose performance is hindered by an event of Force Majeure shall make all reasonable efforts to perform its obligations under this interconnection requirement.

INDEMNIFICATION

The interconnecting consumer/member shall at all times indemnify, defend, and hold Utility District harmless from any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the Utility Districts performance of its obligations under this Interconnection Requirements on behalf of the interconnecting consumer/member except in cases of gross negligence or intentional wrongdoing by the Utility District.

PROTECTION REQUIREMENTS

If, due to the interconnection of the Facility, when combined with pre-existing facilities interconnected to the Utility Districts system, the rating of any of the Utility Districts equipment or the equipment of others connected to the Utility Districts system will be exceeded or its control function will be adversely affected, the Utility District shall have the right to require the Interconnecting Customer to pay for the purchase, installation, replacement or modification of equipment to eliminate the condition. Where such action is deemed necessary by the Utility District, the Utility District will, where possible, permit the interconnecting consumer/member to choose among two or more options for meeting the Utility Districts' requirements as described in this protection Tariff.

ACCESS AND CONTROL

Representatives of the Utility District shall, at all reasonable times, have access to the Net Metering System to make reasonable inspections. At the Net Metering System, the Utility District's representatives shall identify themselves to the interconnecting consumer/member's representative, state the object of their visit, and conduct themselves in a manner that will not interfere with the construction or operation of the Facility.

BLOCK ISLAND POWER COMPANY

Net Metering Policy, effective January 1, 2018

Approved by BIPCo Board of Directors, December 20, 2017

The Board of Directors of the Block Island Power Company (BIPCo) hereby ratifies BIPCo's voluntary Net Metering Policy as follows, effective January 1, 2018 for a period of one (1) year.

Eligible Installations: All installations that use renewable energy resources as defined in R.I.G.L. § 39-26.4-2(1) are eligible for net metering only if they are:

privately owned and located on parcels for that customer's residential use exclusively, and conform to Block Island Ordinances, including all Planning and Zoning requirements, and Block Island's Comprehensive Plan, and are

certified by the Town Building Inspector and BIPCo to be a proper installation, and are

installed by an electrician who is licensed by the State of Rhode Island to install solar units or any other appropriate electrical generating units that rely on renewable energy resources and that

the installer must possess and furnish to BIPCo proof of all required licenses, to include, but not limited to a current Rhode Island Renewable Energy Professional license, and that the

total wattage by plate of all units does not exceed 3% of BIPCo's yearly peak.

The Block Island Post Office Building is an eligible grandfathered installation.

No installations that service non residential customers are allowed to be net metered.

All installations must have "smart meters" that will allow BIPCo to measure the amount of electricity delivered and received. (NOTE: The three existing wind turbines on Block Island have dual meters because of their age and configuration but function in the same manner as the newer smart meters and will be considered to be smart meters for this purpose).

All accounts will be reconciled monthly.

The total capacity of the current, non-grandfathered accounts plus future installations of all types may not exceed 3% of BIPCo's previous year's peak. Once the cap is reached, BIPCo will not allow additional net metering, unless the cap is increased by BIPCo.

Net Metering Credit- "Excess Renewable Net Metering Credit" means a credit that applies to each eligible net metering system for that portion of the renewable self-generator's production of electricity beyond one hundred percent (100%) of that generator's individual consumption. The self-generator will not be given any credit for the production of electricity greater than one hundred twenty-five percent (125%) of the renewable self-generator's own consumption. This production and consumption of electricity must take place at the eligible net metering system site during the applicable billing period.

The applicable billing period is monthly.

Such Excess Renewable Net Metering Credit shall be equal to BIPCo's avoided cost.

The customer must install equipment approved by BIPCo which prevents the flow of electricity into BIPCo's system when BIPCo's supply is out of service.

BIPCo shall have the right to disconnect any facility if in BIPCo's opinion the facility interferes or is likely to interfere with BIPCo's service to other customers.

All interconnection costs associated with the facility shall be borne by the customer.