

Schacht & McElroy

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September 30, 2015

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

Re: Block Island Power Company – Tariff Advice – Street Lighting

Dear Luly:

As you know, this office represent Block Island Power Company (BIPCo).

Please accept this letter and enclosures as a Tariff Advice filing seeking to amend BIPCo's street lighting tariff. BIPCo also hereby requests waivers to allow the revisions to take place immediately and without a hearing under R.I.G.L. § 39-3-12 because it benefits the Town to pay lower street lighting rates and BIPCo will not seek to recover the lost revenue from other customers.

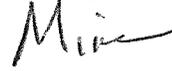
Enclosed are the following:

1. Proposed notice for your review and comment.
2. Proposed new tariff.
3. Old tariff with proposed changes shown.
4. Memo dated September 25, 2015 from Albert R. Casazza, President of BIPCo.
5. Supporting schedules prepared by David Bebyn, CPA.

Once you have approved the notice, I will arrange to have it published in the *Block Island Times*.

If you have any questions, please feel free to call.

Very truly yours,



Michael R. McElroy

MRMc:tmg

cc: Leo Wold, Esq.
Katherine A. Merolla, Esq.
Block Island Town Clerk (certified mail, RRR)
David Bebyn, CPA
BIPCo owners

BIPCo Street Lights/Massaro

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

IN RE: BLOCK ISLAND POWER COMPANY :
APPLICATION TO CHANGE RATE SCHEDULE : DOCKET No. 4579
FOR STREET LIGHTING :

**NOTICE OF FILING AND CHANGE IN RATE SCHEDULE
FOR STREET LIGHTING**

On October 1, 2015, pursuant to Rhode Island General Law § 39-3-11 and Rule 1.9(c) of the Rules of Practice and Procedure of the Rhode Island Public Utilities Commission (Commission), the Block Island Power Company (“BIPCo”) filed with the Commission a tariff advice seeking to reduce BIPCo’s rate schedule for street lighting. BIPCo also seeks waivers to implement the revisions with less than 30 days notice and without a hearing under R.I.G.L. § 39-3-12 because it benefits the Town of New Shoreham to pay lower street lighting rates.

A copy of the application is on file at BIPCo’s office at 100 Ocean Drive, Block Island, Rhode Island, and at the office of the Commission, 89 Jefferson Boulevard, Warwick, Rhode Island, and may be reviewed by the public during normal business hours.

Correspondence for BIPCo’s rate filing should be addressed to the attorney for BIPCo, Michael R. McElroy, Esq., Post Office Box 6721, Providence, Rhode Island 02940-6721.

Block Island Power Company
October 1, 2015

BLOCK ISLAND POWER COMPANY
Block Island, Rhode Island

R.I. PUC No.
Sheet No. 1
Canceling R.I. PUC No. 3900
Effective: ____, 2015

STREET LIGHTING SERVICE

RATE "S"

AVAILABILITY

Available for all street lighting and pole-mounted flood lighting purposes on the Company's existing distribution lines suitable for supplying the service requested. The Company will furnish, maintain, and operate mercury vapor lamps of 6000 mean lumens and light emitting diode ("LED") lamps of at least 6000 mean lumens.

Available for the supply of lighting from dusk to dawn using suitable control apparatus furnished, maintained, and operated by the Company.

Available only for installations which use transformers and circuits energized for Residential, Commercial, Public Authority, or other non-lighting purposes.

Not available for a newly installed street lighting fixture on an existing Company-owned pole supplied from an existing secondary circuit where no street lighting fixture(s) is currently installed.

MONTHLY RATE

Where street lighting fixtures are mounted on wood poles and supplied by overhead type construction of circuits:

<u>Lamps</u>	<u>Monthly Charge</u>
Mercury Vapor 6000 mean lumen	\$17.39
73W LED/6800 lumens	\$7.37
125 W LED/11800 lumens	\$12.61

BILLING

Charges for use will be billed monthly based on the number of lamps installed.

TERMS OF CONTRACT

Two years and thereafter until canceled by one year's written notice.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "Terms and Conditions" for furnishing electric service.

BLOCK ISLAND POWER COMPANY

Block Island, Rhode Island

R.I. PUC No. 3900

Sheet No. 1

Canceling R.I. PUC No. 36553900

Effective: June 1, 2008, 2015

STREET LIGHTING SERVICE

RATE "S"

AVAILABILITY

Available for all street lighting and pole-mounted flood lighting purposes on the Company's existing distribution lines suitable for supplying the service requested. The Company will furnish, maintain, and operate mercury vapor lamps of 6000 mean lumens and light emitting diode ("LED") lamps of at least 6000 mean lumens.

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—Mercury Vapor 6000 mean lumen	—————\$17.39
73W LED/6800 lumens	\$7.37
125 W LED/11800 lumens	\$12.61

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Charges for use will be billed monthly based on the number of lamps installed.

TERMS OF CONTRACT

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September 25, 2015

Memo:

To: Michael McElroy, Esq.

Re: change in streetlight billing

On May 28, 2015, BIPCo received a grant from the RI OER in the amount of \$45,193.78. This grant was to cover the purchase of LED streetlights and streetlight arms as well as part of the cost of the labor and equipment needed for replacement of the 74 public streetlights on Block Island. It was determined that the replacement streetlights would use 44% of the electricity consumed by the incandescent bulbs resulting in a saving to the Town of New Shoreham of \$8650/ year.

As all streetlights were not replaced simultaneously, a calculation of a monthly saving per streetlight resulted in a saving of \$9.74 per streetlight per month.

The bill to the Town is reduced each month the amount equal to multiplying the number of new streetlights installed by \$9.74.

When all the streetlights are installed, the monthly saving will be \$720.83 It is anticipated that all streetlights will be installed by October 31, 2015/

Albert R. Casazza

Determination of Street Lighting Charges
Block Island Power Company

Schedule 1

Current Monthly Lamp energy Cost

Lamp Wattage and Type	Fixed Monthly Charge per unit	number of Units	Monthly Revenue	Annual Revenue
150W HPS	\$ 17.39	74	\$ 1,286.86	\$ 15,442.32 \$ 15,442.32

Lamp Wattage and Type	Lamp Op Watt	Monthly Op Hours (Schedule 2)	Monthly Energy Use (kWh)	Average Utility Energy COS (\$/kWh)	Monthly Lamp Energy Cost (\$)
150W HPS	150.00	358.70	53.81	\$ 0.32320	\$ 17.39

* Average energy cost based on Docket 3900 Monthly lamp cost divided by the estimated monthly usage per unit

Proposed Monthly Lamp energy Cost

Lamp Wattage and Type	Lamp Op Watt	Monthly Op Hours (Schedule 2)	Monthly Energy Use (kWh)	Average Utility ** Energy COS (\$/kWh)	Monthly Lamp Energy Cost (\$)
73W LED	73.00	358.70	26.19	\$ 0.28128	\$ 7.37
125W LED	125.00	358.70	44.84	\$ 0.28128	\$ 12.61

** Discounted average energy cost by 12.91% to result in annual savings of \$8650 per commitment to RGGI

Lamp Wattage and Type	Fixed Monthly Charge per unit	number of Units	Monthly Revenue	Annual Revenue
73W LED	\$ 7.37	70	\$ 515.58	\$ 6,186.92
125W LED	\$ 12.61	4	\$ 50.45	\$ 605.37
				<u>\$ 6,792.29</u>
			Annual Energy Cost Savings	\$ 8,650.03

Street Lighting Average Monthly Burning Hours
Block Island Power Company

Schedule 2

<u>Month</u>	<u>Hours</u>
January	446
February*	377
March	373.34
April	320.02
May	294.14
June	266.4
July	284.42
August	316.29
September	345.56
October	400.05
November	423.25
December	<u>457.14</u>
	4,304
	358.70

* 377 hours (Leap year 12 additional hours; 12hrs/ 4years= 3hrs

$4304 / 12 = 358.70$ average run time per month

Reference Darkness Duration Table @ <http://aa.usno.navy.mil/>

Darkness Duration Table for One Year
New Shoreham, Rhode Island Eastern Standard Time
Astronomical Application Dept. U. S. Naval Observatory

Location: W071 29, N41 20

NEW SHOREHAM, RHODE ISLAND
Eastern Standard Time

Astronomical Applications Dept.
U. S. Naval Observatory
Washington, DC 20392-5420

Duration of Darkness for 2015

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
01	14:45	13:56	12:44	11:19	10:01	09:02	08:53	09:38	10:53	12:14	13:36	14:35
02	14:44	13:53	12:42	11:16	09:58	09:01	08:54	09:40	10:55	12:17	13:38	14:36
03	14:43	13:51	12:39	11:13	09:56	09:00	08:55	09:42	10:58	12:20	13:40	14:37
04	14:42	13:49	12:36	11:11	09:54	08:59	08:55	09:44	11:01	12:22	13:43	14:38
05	14:41	13:46	12:33	11:08	09:51	08:58	08:56	09:46	11:03	12:25	13:45	14:39
06	14:40	13:44	12:31	11:05	09:49	08:57	08:57	09:48	11:06	12:28	13:47	14:41
07	14:39	13:42	12:28	11:02	09:47	08:56	08:58	09:51	11:09	12:31	13:50	14:42
08	14:38	13:39	12:25	11:00	09:45	08:55	08:59	09:53	11:11	12:33	13:52	14:42
09	14:37	13:37	12:22	10:57	09:42	08:55	09:00	09:55	11:14	12:36	13:54	14:43
10	14:36	13:34	12:20	10:54	09:40	08:54	09:01	09:58	11:17	12:39	13:57	14:44
11	14:34	13:32	12:17	10:52	09:38	08:53	09:02	10:00	11:20	12:41	13:59	14:45
12	14:33	13:29	12:14	10:49	09:36	08:53	09:04	10:02	11:22	12:44	14:01	14:46
13	14:31	13:27	12:11	10:46	09:34	08:52	09:05	10:05	11:25	12:47	14:03	14:46
14	14:30	13:24	12:09	10:44	09:32	08:52	09:06	10:07	11:28	12:49	14:05	14:47
15	14:28	13:22	12:06	10:41	09:30	08:51	09:08	10:09	11:30	12:52	14:07	14:47
16	14:27	13:19	12:03	10:38	09:28	08:51	09:09	10:12	11:33	12:55	14:09	14:48
17	14:25	13:16	12:00	10:36	09:26	08:51	09:11	10:14	11:36	12:57	14:11	14:48
18	14:23	13:14	11:58	10:33	09:24	08:50	09:12	10:17	11:39	13:00	14:13	14:48
19	14:22	13:11	11:55	10:30	09:22	08:50	09:14	10:19	11:41	13:03	14:15	14:48
20	14:20	13:09	11:52	10:28	09:21	08:50	09:15	10:22	11:44	13:05	14:17	14:49
21	14:18	13:06	11:49	10:25	09:19	08:50	09:17	10:24	11:47	13:08	14:19	14:49
22	14:16	13:03	11:46	10:23	09:17	08:50	09:19	10:27	11:50	13:10	14:21	14:49
23	14:14	13:01	11:44	10:20	09:15	08:50	09:20	10:29	11:52	13:13	14:22	14:49
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