

Jennifer Brooks Hutchinson
Senior Counsel
PPL Services Corporation
JHutchinson@pplweb.com

280 Melrose Street
Providence, RI 02907
Phone 401-784-7288



September 1, 2023

VIA HAND DELIVERY

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

**RE: Docket 4770 – The Narragansett Electric Company d/b/a Rhode Island Energy
Performance Incentive Mechanism Midyear Report
Period January 1, 2023, through June 30, 2023**

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy, I have enclosed an electronic version¹ of the Company's Performance Incentive Mechanism Midyear Report for the period January 1, 2023 through June 30, 2023, in compliance with Article II, Section C.19.e of the Amended Settlement Agreement approved by the PUC on August 24, 2018, in the above-referenced docket.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7288.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Jennifer Brooks Hutchinson", with a long horizontal flourish extending to the right.

Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4770 Service List

¹ Per a communication from Commission counsel on October 4, 2021, the Company is submitting an electronic version of this filing followed by six (6) hard copies filed with the Clerk within 24 hours of the electronic filing.

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.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Jennifer Brooks Hutchinson

September 1, 2023

Date

**Narragansett Electric Co. d/b/a RI Energy - Docket No. 4770 & Docket No. 4780 (PST)
Combined Service list updated 8/25/2023**

Docket No. 4770 Name/Address	E-mail Distribution List	Phone
The Narragansett Electric Company d/b/a Rhode Island Energy Celia B. O'Brien, Esq. Jennifer Hutchinson, Esq. 280 Melrose Street Providence, RI 02907	COBrien@pplweb.com ;	401-578-2700 401-784-7288 401-784-4263
	JHutchinson@pplweb.com ;	
	AMarcaccio@pplweb.com ;	
	JScanlon@pplweb.com ;	
	SBriggs@pplweb.com ;	
	JOliveira@pplweb.com ;	
Adam Ramos, Esq. Hinckley Allen 100 Westminster Street, Suite 1500 Providence, RI 02903-2319	aramos@hinckleyallen.com ;	401-457-5164
Electric Transportation: John Habib, Esq. Keegan Werlin LLP 99 High Street, Suite 2900 Boston, MA 02110	jhabib@keeganwerlin.com ;	617-951-1400
	Theresa.burns@nationalgrid.com ;	

National Grid Theresa Burns	Scott.mccabe@nationalgrid.com ;	
Scott McCabe Jason Small	Jason.small@nationalgrid.com ;	
Division of Public Utilities (Division) Leo Wold, Esq. Christy Hetherington, Esq. Division of Public Utilities and Carriers 89 Jefferson Blvd. Warwick, RI 02888	Leo.Wold@dpuc.ri.gov ;	401-780-2140
	Christy.Hetherington@dpuc.ri.gov ;	
	Margaret.L.Hogan@dpuc.ri.gov ;	
	John.bell@dpuc.ri.gov ;	
	Linda.George@dpuc.ri.gov ;	
	Machaela.Seaton@dpuc.ri.gov ;	
	Al.mancini@dpuc.ri.gov ;	
	Paul.Roberti@dpuc.ri.gov ;	
	Thomas.kogut@dpuc.ri.gov ;	
David Effron Berkshire Consulting 12 Pond Path North Hampton, NH 03862-2243	Djeffron@aol.com ;	603-964-6526
Gregory L. Booth, PLLC 14460 Falls of Neuse Rd. Suite 149-110 Raleigh, N. C. 27614 Linda Kushner L. Kushner Consulting, LLC 514 Daniels St. #254 Raleigh, NC 27605	gboothpe@gmail.com ;	919-441-6440
	lkushner33@gmail.com ;	919-810-1616
Office of Energy Resources (OER) Albert Vitali, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908	Albert.Vitali@doa.ri.gov ;	401-222-8880
	nancy.russolino@doa.ri.gov ;	
	Christopher.Kearns@energy.ri.gov ;	
	Shauna.Beland@energy.ri.gov ;	
	Matthew.Moretta.CTR@energy.ri.gov ;	
Conservation Law Foundation (CLF) James Crowley, Esq. Conservation Law Foundation 235 Promenade Street Suite 560, Mailbox 28 Providence, RI 02908	jcrowley@clf.org ;	401-228-1904
	mcurran@clf.org ;	

Dept. of Navy (DON) Kelsey A. Harrer, Esq. Office of Counsel NAVFAC Atlantic, Department of the Navy 6506 Hampton Blvd. Norfolk, VA 23508-1278	kelsey.a.harrer@navy.mil ;	757-322-4119
Kay Davoodi, Director Larry R. Allen, Public Utilities Specialist Utilities Rates and Studies Office NAVFAC HQ, Department of the Navy 1322 Patterson Avenue SE Suite 1000 Washington Navy Yard, D.C. 20374	khojasteh.davoodi@navy.mil ;	
	larry.r.allen@navy.mil ;	
Ali Al-Jabir Maurice Brubaker Brubaker and Associates	aaljabir@consultbai.com ;	
New Energy Rhode Island (NERI) Seth H. Handy, Esq. Handy Law, LLC 42 Weybosset St. Providence, RI 02903 The RI League of Cities and Towns c/o Jordan Day and Jennifer Slatterly PRISM & WCRPC c/o Jeff Broadhead, Executive Director Newport Solar c/o Doug Sabetti Green Development, LLC c/o Hannah Morini Clean Economy Development, LLC c/o Julian Dash ISM Solar Development, LLC c/o Michael Lucini Heartwood Group, Inc. c/o Fred Unger	seth@handylawllc.com ;	401-626-4839
	helen@handylawllc.com ;	
	jday@rileague.org ;	401 272-3434
	jslattery@rileague.org ;	
	jb@wcrpc.org ;	401-792-9900
	doug@newportsolarri.com ;	401.787.5682
	hm@green-ri.com ;	
	jdash@cleaneconomydevelopment.com ;	
	mlucini@ismgroup.com ;	401.435.7900
	unger@hrtwd.com ;	401.861.1650

Energy Consumers Alliance of NE James Rhodes Rhodes Consulting 860 West Shore Rd. Warwick, RI 02889 Larry Chretien, PPL	jamie.rhodes@gmail.com ;	401-225-3441
	larry@massenergy.org ;	
Northeast Clean Energy Council Dan Bosley, NECEC Sean Burke	dbosley@necec.org ;	401-724-3600
The George Wiley Center Jennifer Wood Rhode Island Center for Justice 1 Empire Plaza, Suite 410 Providence, RI 02903 Camilo Viveiros, Wiley Center	jwood@centerforjustice.org ;	401-491-1101
	georgewileycenterri@gmail.com ;	
	Camiloviveiros@gmail.com ;	
Wal-Mart Stores East & Sam's East, Inc. Melissa M. Horne, Esq. Higgins, Cavanagh & Cooney, LLC 10 Dorrance St., Suite 400 Providence, RI 02903 Gregory W. Tillman, Sr. Mgr./ERA Walmart	mhorne@hcc-law.com ;	401-272-3500
	Greg.tillman@walmart.com ;	479-204-1594
AMTRAK Paul E. Dwyer, Esq. McElroy, Deutsch, Mulvaney & Carpenter 10 Dorrance St., Suite 700 Providence, RI 02903 Robert A. Weishaar, Jr., Esq. Kenneth R. Stark, Esq.	PDwyer@mdmc-law.com ;	401-519-3848
	BWeishaar@mcneeslaw.com ;	
	KStark@mcneeslaw.com ;	
Original & 9 copies file w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ;	401-780-2107 401-780-2147
	Cynthia.WilsonFrias@puc.ri.gov ;	
	Alan.nault@puc.ri.gov ;	
	Todd.bianco@puc.ri.gov ;	
	Emma.rodvien@puc.ri.gov ;	
	John.harrington@puc.ri.gov ;	

DOCKET NO. 4780		
ChargePoint, Inc. Edward D. Pare, Jr., Esq. Brown Rudnick LLP One Financial Center Boston, MA 02111 Anne Smart, Charge Point, Inc.	EPare@brownrudnick.com ;	617-856-8338
	Anne.Smart@chargepoint.com ;	
	Kevin.Miller@chargepoint.com ;	
Direct Energy Craig R. Waksler, Esq. Eckert Seamans Cherin & Mellott, LLC Two International Place, 16 th Floor Boston, MA 02110 Marc Hanks, Sr. Mgr./GRA Direct Energy Services,	cwaksler@eckertseamans.com ;	617-342-6800
	dclearfield@eckertseamans.com ;	413-642-3575
	Marc.hanks@directenergy.com ;	
INTERESTED PERSONS	ng.com	
EERMC Marisa Desautel, Esq	marisa@desautelbrowning.com ;	401-477-0023
	guerard@optenergy.com ;	
Hank Webster, Acadia Center	hwebster@acadiacenter.org ;	
Frank Epps, EDP	Frank@edp-energy.com ;	
Matt Davey	mdavey@ssni.com ;	
Nathan Phelps	nathan@votesolar.org ;	
Lisa Fontanella	Lisa.Fontanella@spglobal.com ;	
Frank Lacey, EAC Power	frank@eacpower.com ;	
PPL Electric Utilities Ronald Reybitz Stephen Breininger	rjreybitz@pplweb.com ;	
	skbreininger@pplweb.com ;	

I. Introduction

Pursuant to Article II, Section C.19 of the Amended Settlement Agreement dated August 16, 2018, in Docket No. 4770, The Narragansett Electric Company d/b/a Rhode Island Energy (“Rhode Island Energy” or the “Company”) submits to the Rhode Island Public Utilities Commission (“PUC”) this Midyear Report for the period January 1, 2023, through June 30, 2023, on Rhode Island Energy’s Performance-Based Incentive Mechanism and Scorecard Metrics. Annual metrics for the period January 1, 2023, through December 31, 2023, will be filed in Rhode Island Energy’s Annual Report.

II. Performance-Based Incentive Mechanism

System Efficiency: Annual Megawatt Capacity Savings

The Amended Settlement Agreement approved in Docket No. 4770 authorized the System Efficiency: Annual Megawatt Capacity Savings Performance-Based Incentive Mechanism (“PIM”) for three years, ending with calendar year 2021.¹ Accordingly, there are no PIMs on which to report for calendar year 2023. Rhode Island Energy is reporting System Efficiency: Annual Megawatt Capacity Savings under Scorecard Metrics.

III. Scorecard Metrics

System Efficiency: Annual Megawatt Capacity Savings

Rhode Island Energy enrolled 73.6 megawatts (“MW”) of capacity in the period January 1, 2023, through June 30, 2023. The Amended Settlement Agreement does not provide a target capacity for 2023 for which to compare performance. Nonetheless, Rhode Island Energy will continue to report its total annual capacity savings in the Year-End Reports.

¹ The PUC approved the Company’s Performance Incentive Factor for calendar year 2021, which was the third and final year for the System Efficiency: Annual Megawatt Capacity Savings Performance Incentive Mechanism (“PIM”), absent a request from the Company to continue the PIM beyond calendar year 2021. *See* RIPUC Order No. 24454 (issued July 27, 2022).

Table 1. Capacity Savings

Resource Type	Customers Enrolled	Estimated Enrolled Capacity (MW)
Residential Thermostat Demand Response	7,654	7.2
Residential Battery	752	1.6
Commercial & Industrial Demand Response	143	64.8
Total	8,549	73.6

Notes: Estimated enrolled capacity is calculated by resource type using the Energy Hub software platform (for enrollment) and Alteryx (for estimated capacity).

Distributed Energy Resources – Carbon Dioxide: Consumer Electric Vehicles

Rhode Island Energy reports 6,974 consumer electric vehicles (“EVs”) in operation through June 30, 2023. The Amended Settlement Agreement does not provide a forecast registration volume for 2023 for which to compare performance. As such, Rhode Island Energy does not claim any EV registrations as incremental to forecast.

Table 2. Consumer Electric Vehicle Registration Volume

Consumer EV Type	Consumer EV Forecast	Registered Consumer EVs
BEV	n/a	3,880
PHEV	n/a	3,094
Total		6,974

Notes: Consumer EV forecast is listed as n/a (not applicable) because the Amended Settlement Agreement does not provide a forecast or target for 2023. Data is from S&P Global (formerly IHS Markit) April 2023 registration data. Consumer EVs include BEV and PHEV in the following registration categories: personal, rentals, and dealer/manufacturer.

Distributed Energy Resources – Light Duty Government and Commercial Fleet Electrification

Rhode Island Energy reports 466 light duty government and commercial fleet EVs in operation as of June 30, 2023. The Amended Settlement Agreement does not provide a forecast of registered fleet for 2023 for which to compare performance. As such, Rhode Island Energy does not claim any EV fleet registrations as incremental to forecast.

Table 3. Electric Vehicle Registration by Fleet Type

Fleet Type	Registered Fleet EV Forecast	Registered Fleet EVs
Government	n/a	106
Commercial	n/a	360
Total		466

Notes: Registered fleet EV forecast is listed as not applicable (n/a) because the Amended Settlement Agreement does not provide a forecast for 2023. Data is from S&P Global (formerly IHS Markit) April 2023 registration data. Commercial EVs include BEV and PHEV in the following registration categories: small fleet, large fleet, and rentals.

PST Enablement - Activated Apartment Building and Disadvantaged Community Electric Vehicle Supply Equipment Sites

Rhode Island Energy activated five new Electric Vehicle Supply Equipment (“EVSE”) sites at apartment buildings and in disadvantaged communities, with a total of 13 ports.

Table 4. Access to Electric Vehicle Charging

EVSE Site Locations	Activated Sites	Activated Ports
Apartment Buildings	0	0
Disadvantaged Communities	2	13
Total	2	13

Notes: Data for EVSE placed in service between 1/1/2023-6/30/2023. Disadvantaged community sites were placed in service on 3/1/2023, and 2/12/2023.

Distributed Generation Interconnections – Time from ISA to Distribution System Modifications Complete

For projects awarded ISAs that completed system modifications during the period January 1, 2023, through June 30, 2023, Rhode Island Energy averaged 83 business days for simplified systems, 138 business days for expedited systems and 201 business days for standard systems.

Table 5. Time Required to Complete Distribution System Modifications

Interconnection Category	Business Days from Executed Interconnection Service Agreement (ISA) to Distribution System Modifications Complete	
	Average	Standard Deviation
Simple	83	19
Expedited	138	101
Standard	201	83

Notes: Data based on 2 projects in the simple interconnection category, 19 projects in the expedited interconnection category, and 10 projects in the standard interconnection category. Distribution system modifications are defined as all modifications required for the project to move forward. Data for projects with distribution system modifications completed during the period 1/1/2023-6/30/2023; executed ISAs may have occurred prior to this period. While the average for standard projects is currently at 201 business days, there is some variability being that the Company has adjusted its resourcing capabilities to align with developer needs. The Company is striving to continuously improve its overall process.

Distributed Generation-Friendly Substation Transformers

The Company completed one incremental 3V0 installation at a substation in the period January 1, 2023, to June 30, 2023.

Utilization of Electric Vehicle Supply Equipment in Low-income Areas

Utilization of electric vehicle supply equipment in low-income areas was less than 1% in the period January 1, 2023, to June 30, 2023.

Table 6. Utilization of Electric Vehicle Supply Equipment in Low-income Areas

Period	Number of Stations in Operation in Low-Income Areas	Average Utilization
1/1/2023-6/30/2023	35	<1%

Notes: The Company uses ‘Environmental Justice’ areas as a direct proxy for ‘Low-income’ areas, utilizing the Rhode Island Department of Environmental Management’s mapping tool. Average utilization is calculated as charging time divided by the product of total time per station and number of stations. Data for 1/1/2023-6/30/2023. Some data has been delayed; Rhode Island Energy will provide updated and accurate figures in its year-end report covering 1/1/2023-12/31/2023.

Reduction of Uncollectible Debt

2,121 customers were enrolled in the Arrearage Management Program (“AMP”) as of June 30, 2023.

Table 7. Customers enrolled in the Arrearage Management Program			
Month Ending	Gas Customers Enrolled in AMP	Electric Customers Enrolled in AMP	Total Customers Enrolled in AMP
January	532	1,383	1,915
February	522	1,292	1,814
March	485	1,182	1,667
April	555	1,220	1,775
May	700	1,372	2,072
June	756	1,365	2,121
July			
August			
September			
October			
November			
December			

Notes: Each month represents a snapshot of enrollment as of the last day of the month. Total customers enrolled is the sum of electric customers enrolled and gas customers enrolled. Data for 1/1/2023-6/30/2023.

Increased Stability of Service through Increased Enrollment in the Low-Income Discount

64,870 customers were enrolled in the Low-Income Discount (“LID”) as of June 30, 2023.

Table 8. Customers Enrolled in the Low-Income Discount			
Month Ending	Gas Customers Enrolled in LID	Electric Customers Enrolled in LID	Total Customers Enrolled in LID
January	23,279	35,454	58,733
February	23,668	36,154	59,822
March	24,393	37,886	62,279
April	24,417	37,744	62,161
May	24,318	37,820	62,138
June	25,314	39,556	64,870
July			
August			
September			
October			
November			
December			

Notes: The number of residential customer account enrollments in the low-income discount (“LID”) is represented by the number of accounts receiving delivery service on Rate A-60. Each month represents a snapshot of enrollment as of the last day of the month. Total customers enrolled is the sum of electric customers enrolled and gas customers enrolled. Data for 1/1/2023-6/30/2023.

Nonregulated Power Producer Residential Customer Demand Response Participation

The Company identified 1,223 customers enrolled in residential customer demand response that also have third-party suppliers.

Distributed Energy Resources – Installed Energy Storage Capacity

Rhode Island Energy interconnected 2.1993 MW / 5.245 MWh of energy storage capacity.

Table 9. Energy Storage Interconnections

Time Period	Number of Applications	Total AC Nameplate Rating (MW)	Total Storage Capacity (MWh)
January	51	0.4222	0.7257
February	39	0.3545	1.3407
March	42	0.4862	0.8952
April	34	0.3509	1.01
May	36	0.3022	0.6757
June	30	0.2833	0.5977
July			
August			
September			
October			
November			
December			
CYTD	232	2.1993	5.245

Notes: CYTD is cumulative year-to-date, calculated by summing monthly totals. Data for 1/1/2023-6/30/2023.

Power Sector Transformation Enablement – Distributed Generation Interconnection – Time to ISA

Rhode Island Energy outperformed the tariff timelines for providing an executable ISA by roughly 16 days on average for simple systems, 22 days on average for expedited systems, and 85 days on average for standard systems.

Table 10. Time Required for ISA by Interconnection Category

Interconnection Category	Tariff Allowed Days for ISA	Average Actual Business Days for ISA	
		Average	Standard Deviation
Simple	20	4	6
Expedited	45	23	6

Standard	175	90	46
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Notes: Tariff Allowed Days for ISA provided in RIPUC No. 2244 Standards for Connecting Distributed Generation, Section 3.5, Table 1 – Times Frames (Sheet 33). Average actual days for ISA based number of business days required for projects awarded ISAs during the period 1/1/2023 through 6/30/2023. The Tariff reports calendar days, whereas the ASA requires report out on average actual business days. Applying a factor of 5/7 to Tariff Allowed days roughly translates calendar days to business days for apples-to-apples comparison.