

March 8, 2022

VIA ELECTRONIC MAIL

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

RE: Docket 4770 – Performance Incentive Mechanism Annual Report

Dear Ms. Massaro:

On behalf of National Grid,¹ I enclose for filing with the Public Utilities Commission (PUC) an electronic version of the Company's Performance Incentive Mechanism Annual Report 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,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4770 Service List
John Bell, Division
Al Mancini, Division
Leo Wold, Esq.
Tiffany Parenteau, Esq.
Christy Hetherington, Esq.

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.

The Narragansett Electric Company
d/b/a National Grid

Performance Incentive Mechanism

2021 Annual Report
January 2021 through December 2021

March 8, 2022

Docket No. 4770

Submitted to:

Rhode Island Public Utilities Commission

Submitted by:

nationalgrid

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 National Grid (National Grid or the Company) submits to the Rhode Island Public Utilities Commission (PUC) this annual report for the period January 2021 through December 2021 on the Company's Performance-Based Incentive Mechanism and Scorecard Metrics.

II. Performance-based Incentive Mechanism

System Efficiency: Annual Megawatt Capacity Savings

In 2021, the Company delivered annual capacity savings of 32.3 MW. The Company exceeded the maximum target of 29 MW, and earns the maximum incentive of \$944,141.

Resource Type	Customers Enrolled	Capacity Curtailment (MW)
Residential Thermostat Demand Response	3,933	4.6
Residential Battery	139	0.7
Commercial & Industrial Demand Response	156	27.0
Total		32.3

III. Scorecard Metrics

Distributed Energy Resources – Carbon Dioxide: Consumer Electric Vehicles

The Company reports 4,322 consumer electric vehicles (EVs) in operation as of December 31, 2021.¹ Battery electric vehicles (BEVs) comprised 50% of all the consumer EVs in operation at the end of December 2021, and the remaining 50% were plug-in hybrid electric vehicles (PHEVs).

Consumer EV Type	2021 Registered Consumer EV Forecast	Registered Consumer EVs as of December 31, 2021
BEV	2,600	2,168
PHEV	2,907	2,154
Total	5,507	4,322

¹ According to vehicle registration data from IHSMarkit/R.L. Polk.

Distributed Energy Resources - Light Duty Government and Commercial Fleet Electrification

The Company reports 241 light duty government and commercial fleet EVs in operation in its service territory as of December 31, 2021.²

Fleet Type	2021 Registered Fleet EV Forecast	Registered Fleet EVs as of December 31, 2021
Government	-	86
Commercial	-	155
Total	307	241

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

The Company activated 11 incremental Electric Vehicle Supply Equipment (EVSE) sites at apartment buildings and in disadvantaged communities in 2021. These 11 sites provide a total of 39 charging ports.

EVSE Site Locations	Activated Sites	Activated Ports
Apartment Buildings	4	14
Disadvantaged Communities	7	25
Total	11	39

Distributed Generation Interconnections

Interconnection Category	Average number of Business Days from Executed Interconnection Service Agreement (ISA) to Distribution System Modifications Complete
Simple	N/A
Expedited	270
Standard	427

² According to vehicle registration data from IHSMarkit/R.L. Polk.

Distributed Generation-Friendly Substation Transformers

The Company completed three incremental 3V₀ installations at the following substations in 2021: Chopmist, Eldred, and Putnam Pike.

Utilization of EVSE in Low-income Areas

Calendar Year Quarter	No. of Stations in Operation in Low-Income Areas	Avg. Utilization (Charging Time/Total Time)
Q1 2021	11	<1%
Q2 2021	11	<1%
Q3 2021	22	<1%
Q4 2021	22	<1%

Reduction of Uncollectible Debt

Month Ending	Gas Customers Enrolled in AMP	Electric Customers Enrolled in AMP	Total Customers Enrolled in AMP
December 2021	597	1,475	2,072
November 2021	668	1,584	2,252
October 2021	746	1,655	2,401
September 2021	805	1,702	2,507
August 2021	785	1,652	2,437
July 2021	730	1,567	2,297
June 2021	634	1,493	2,127
May 2021	440	1,189	1,629
April 2021	359	1,043	1,402
March 2021	350	1,047	1,397
February 2021	345	1,004	1,349
January 2021	365	1,043	1,408

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

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.

Month Ending	Gas Customers Enrolled in LID	Electric Customers Enrolled in LID	Total Customers Enrolled in LID
December 2021	23,212	35,048	58,260
November 2021	23,469	36,290	59,759
October 2021	23,080	36,030	59,110
September 2021	23,322	34,640	57,962
August 2021	24,190	36,639	60,829
July 2021	24,797	35,056	59,853
June 2021	20,641	32,595	53,236
May 2021	21,484	32,593	54,077
April 2021	19,973	32,200	52,173
March 2021	19,889	31,937	51,826
February 2021	19,477	32,506	51,983
January 2021	19,216	31,255	50,471

Nonregulated Power Producer Residential Customer Demand Response Participation

In 2021, the Company had 245 residential customers who purchase electricity from Nonregulated Power Producers (NPPs) enrolled in the residential DR program, ConnectedSolutions.

Residential Customers Purchasing Supply from NPPs	Residential Customers Enrolled in DR Program	NPP Residential Customer DR Participants
43,820	3,933	245

Distributed Energy Resources - Installed Energy Storage Capacity

The Company interconnected 1.58 MW (total AC name plate rating) of energy storage capacity in 2021. This capacity represents 2.45 MW-hours of total storage capacity.

Installed Energy Storage Capacity			
Time Period	Number of Applications	Total AC Name Plate Rating (MW)	Total Storage Capacity (MWh)
December 2021	17	0.1206	0.1147
November 2021	25	0.1799	0.1470
October 2021	14	0.1286	0.2224
September 2021	22	0.1836	0.3105
August 2021	19	0.1757	0.3510
July 2021	18	0.1449	0.1818
June 2021	20	0.1507	0.2025
May 2021	15	0.1113	0.1610
April 2021	8	0.0715	0.1259
March 2021	11	0.0977	0.1755
February 2021	11	0.0762	0.1485
January 2021	16	0.1418	0.3165
Total	196	1.5825	2.4573

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

The Company outperformed the tariff timelines for providing an executable ISA in 2021.

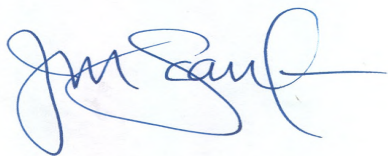
Interconnection Category	Tariff Allowed Days for ISA ³	Avg. Actual Days for ISA 2021
Simple	20	2
Expedited	45	25
Standard	105	73

³ See RIPUC No. 2180, Standards for Connecting Distributed Generation, Section 3.5, Table 1.

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.



Joanne M. Scanlon

March 8, 2022

Date

**National Grid Docket No. 4770 (Rate Application) & Docket No. 4780 (PST)
Combined Service list updated 11/29/2021**

Docket No. 4770 Name/Address	E-mail Distribution List	Phone
National Grid Jennifer Hutchinson, Esq. Celia O'Brien, Esq. National Grid 280 Melrose St. Providence, RI 02907 Electric Transportation: Bonnie Crowley Raffetto, Esq. Nancy Israel, Esq. National Grid 40 Sylvan Road Waltham, MA 02451	Jennifer.hutchinson@nationalgrid.com ;	781-907-2153 401-784-7288
	Andrew.marcaccio@nationalgrid.com ;	
	Celia.obrien@nationalgrid.com ;	
	Najat.coye@nationalgrid.com ;	
	Joanne.scanlon@nationalgrid.com ;	
	Bill.Malee@nationalgrid.com ;	
	Theresa.burns@nationalgrid.com ;	
	Ann.leary@nationalgrid.com ;	
	Scott.mccabe@nationalgrid.com ;	
	kate.grant2@nationalgrid.com ;	
	Timothy.roughan@nationalgrid.com ;	
	Jason.Small@nationalgrid.com ;	
	bonnie.raffetto@nationalgrid.com ;	
	nancy.israel@nationalgrid.com ;	
Adam Ramos, Esq. Hinckley Allen 100 Westminster Street, Suite 1500 Providence, RI 02903-2319	aramos@hinckleyallen.com ;	401-457-5164
John Habib, Esq. Keegan Werlin LLP 99 High Street, Suite 2900 Boston, MA 02110	jhabib@keeganwerlin.com ;	617-951-1400
Division of Public Utilities (Division) Leo Wold, Esq. Christy Hetherington, Esq. Division of Public Utilities and Carriers	Leo.Wold@dpuc.ri.gov ;	401-780-2140
	Christy.Hetherington@dpuc.ri.gov ;	
	Margaret.L.Hogan@dpuc.ri.gov ;	

89 Jefferson Blvd. Warwick, RI 02888	John.bell@dpuc.ri.gov ;	
	Linda.George@dpuc.ri.gov ;	
	Al.mancini@dpuc.ri.gov ;	
	Thomas.kogut@dpuc.ri.gov ;	
Tim Woolf Jennifer Kallay Synapse Energy Economics 22 Pearl Street Cambridge, MA 02139	twoolf@synapse-energy.com ;	617-661-3248
	jkallay@synapse-energy.com ;	
	mwhited@synapse-energy.com ;	
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
		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 ;	
	Nicholas.Ucci@energy.ri.gov ;	
	Carrie.Gill@energy.ri.gov ;	
Conservation Law Foundation (CLF) Max Greene, Esq. Conservation Law Foundation 235 Promenade Street Suite 560, Mailbox 28 Providence, RI 02908		401-228-1904
	mgreene@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	khojasteh.davoodi@navy.mil ;	

Utilities Rates and Studies Office NAVFAC HQ, Department of the Navy 1322 Patterson Avenue SE Suite 1000 Washington Navy Yard, D.C. 20374	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 ;	

Acadia Center Amy Boyd, Esq. Acadia Center 31 Milk St., Suite 501 Boston MA 02109-5128	aboyd@acadiacenter.org ;	
Hank Webster Policy Advocate & Staff Attorney Acadia Center 144 Westminster Street, Suite 203 Providence, RI 02903-2216	hwebster@acadiacenter.org ;	
Northeast Clean Energy Council Jeremy McDiarmid, NECEC Dan Bosley, NECEC Sean Burke	jmcdiarmid@necec.org ;	401-724-3600
	dbosley@necec.org ;	
	sburke@necec.org ;	
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 ; georgewileycenterri@gmail.com ; Camiloviveiros@gmail.com ; chloechassaing@hotmail.com ;	401-491-1101
Wal-Mart Stores East & Sam's East, Inc. Melissa M. Horne, Esq. Higgins, Cavanagh & Cooney, LLC 10 Dorrance St., Suite 400 Providence, RI 02903	mhorne@hcc-law.com ;	401-272-3500
Gregory W. Tillman, Sr. Mgr./ERA Walmart	Greg.tillman@walmart.com ;	479-204-1594
AMTRAK Clint D. Watts, Esq. Paul E. Dwyer, Esq. McElroy, Deutsch, Mulvaney & Carpenter 10 Dorrance St., Suite 700	CWatts@mdmc-law.com ; PDwyer@mdmc-law.com ; BWeishaar@mcneeslaw.com ;	401-519-3848

Providence, RI 02903 Robert A. Weishaar, Jr., Esq. Kenneth R. Stark, Esq.	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
	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		
EERMC Marisa Desautel, Esq	marisa@desautelesq.com ;	401-477-0023
	guerard@optenergy.com ;	
Hank Webster Policy Advocate & Staff Attorney Acadia Center 144 Westminster Street, Suite 203 Providence, RI 02903-2216	hwebster@acadiacenter.org ;	
Frank Epps, EDP	Frank@edp-energy.com ;	
Matt Davey	mdavey@ssni.com ;	
Nathan Phelps	nathan@votesolar.org ;	
Radina Valova, Pace Energy & Climate Ctr.	rvalova@law.pace.edu ;	
Lisa Fontanella	Lisa.Fontanella@spglobal.com ;	
Janet Gail Besser, SEPA (Smart Electric Power Alliance)	jbesser@sepapower.org ;	
Frank Lacey, EAC Power	frank@eacpower.com ;	

PPL Electric Utilities Ronald Reybitz Stephen Breininger	rjreybitz@pplweb.com ;	
	skbreininger@pplweb.com ;	