

October 8, 2021

VIA ELECTRONIC MAIL

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

RE: Docket 5189–2022 Annual Energy Efficiency Program Plan Provisional Plan – Attachment 5 (Tables E1-E10)

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid ("National Grid" or the "Company"), enclosed, please find a provisional Attachment 5 (Tables E-1 through E-10).

As indicated in its pre-filed joint testimony,¹ the Company has a provisional plan in place in the event that it does not seek approval for the Rhode Island Grows ("RI Grows") project or if RI Grows is not approved by the Public Utilities Commission ("PUC") via a separate proceeding. In the event that the provisional plan becomes applicable, the enclosed provisional Attachment 5 would replace the Attachment 5 (Tables E-1 through E-10) as filed by the Company on October 1, 2021.

Thank you for your attention to this filing. If you have any questions or concerns, please do not hesitate to contact me at 401-784-4263.

Sincerely,

Andrew S. Marcaccio

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cc: 5189 Service List

¹ See http://www.ripuc.ri.gov/eventsactions/docket/5189-NGrid-Energy%20Efficiency%20Plan%202022%20(PUC%2010-1-21).pdf, Bates Pages 29-30

Docket No. 5189 - National Grid – 2022 Annual Energy Efficiency Program Service list updated 10/6/2021

Name/Address	E-mail Distribution List	Phone
National Grid	Andrew.Marcaccio@nationalgrid.com;	401-784-4263
Andrew Marcaccio, Esq. National Grid	Jennifer.Hutchinson@nationalgrid.com;	
280 Melrose St.	Raquel.webster@nationalgrid.com;	
Providence, RI 02907	Joanne.scanlon@nationalgrid.com;	
	Celia.obrien@nationalgrid.com;	_
	Matthew.Chase@nationalgrid.com;	-
	Timothy.Roughan@nationalgrid.com;	_
	John.Tortorella@nationalgrid.com;	
	Christopher.Porter@nationalgrid.com;	_
	BENJAMIN.RIVERS@nationalgrid.com;	_
		_
	John.Richards@nationalgrid.com;	
	angela.li@nationalgrid.com;	
	Jessica.Darling@nationalgrid.com;	
	Matthew.Ray2@nationalgrid.com;	
Division of Public Utilities and	Margaret.L.Hogan@dpuc.ri.gov;	401-780-2120
Carriers	Jon.hagopian@dpuc.ri.gov;	
Margaret L. Hogan, Esq.	john.bell@dpuc.ri.gov;	
	Joel.munoz@dpuc.ri.gov;	
Tim Woolf	twoolf@synapse-energy.com;	
Jennifer Kallay		
Synapse Energy Economics	jkallay@synapse-energy.com;	
22 Pearl Street Cambridge, MA 02139		
RI EERMC	marisa@desautelesq.com;	401-477-0023
Marisa Desautel, Esq.		
Office of Marisa Desautel, LLC 55 Pine St.	guerard@optenergy.com;	1
Providence, RI 02903	ross@optenergy.com;	1
Mike Guerard, Optimal Energy Acadia Center	HWebster@acadiacenter.org;	401-276-0600 x402
Hank Webster, Director & Staff Atty.	11 W COSTET & acadiacemer.org,	401-270-0000 X402
,		
Office of Energy Resources (OER)	Albert.Vitali@doa.ri.gov;	401-222-8880
Albert Vitali, Esq.		
Dept. of Administration	Nancy.Russolino@doa.ri.gov;	
Division of Legal Services One Capitol Hill, 4 th Floor	Christopher.Kearns@energy.ri.gov;	_
Providence, RI 02908	Nicholas.Ucci@energy.ri.gov;	_
110.140.100, 111.02.00	Becca.Trietch@energy.ri.gov; Carrie.Gill@energy.ri.gov;	+
L	carreconic onergy, ii.gov,	I

Nick Ucci, Commissioner	Anika.Kreckel.CTR@energy.ri.gov; Nathan.Cleveland@energy.ri.gov;	
Green Energy Consumers Alliance Larry Chretien, Executive Director Kai Salem	Larry@massenergy.org; kai@greenenergyconsumers.org; priscilla@greenenergyconsumers.org;	
Original & 9 copies file w/: Luly E. Massaro, Commission Clerk John Harrington, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888 Frederick Sneesby Dept. of Human Services	Luly.massaro@puc.ri.gov; John.Harrington@puc.ri.gov; Alan.nault@puc.ri.gov; Todd.bianco@puc.ri.gov; Emma.Rodvien@puc.ri.gov; Frederick.sneesby@dhs.ri.gov;	401-780-2107
Chris Vitale, Esq., RI Infrastructure Bank Ronald Reybitz Stephen Breininger PPL Electric Utilities	cvitale@hvlawltd.com; SUsatine@riib.org; rjreybitz@pplweb.com; skbreininger@pplweb.com;	

Table E-1 - PROVISIONAL PLAN National Grid Electric DSM Funding Sources in 2022 by Sector \$(000)

(1) Projected Budget (from E-2):	Income Eligible Residential \$17,078.7	Projections by Sector Non-Income Eligible Residential \$36,270.2	Commercial & Industrial \$69,267.5	Total \$122,616.5
Sources of Other Funding:				
(2) Projected DSM Commitments at Year-End 2021:	\$0.0	\$0.0	\$0.0	\$0.0
(3) Projected Year-End 2021 Fund Balance and Interest:	\$0.0	(\$7,628.9)	\$12,579.2	\$4,950.3
(4) Projected FCM Net Revenue from ISO-NE:	\$482.0	\$5,723.2	\$8,130.1	\$14,335.3
(5) Total Other Funding:	\$482.0	(\$1,905.7)	\$20,709.3	\$19,285.5
(6) Customer Funding Required:	\$16,596.7	\$38,175.9	\$48,558.3	\$103,330.9
(7) Forecasted kWh Sales:	246,778,762	2,930,118,727	4,162,361,309	7,339,258,798
(8) Energy Efficiency Program charge per kWh, excluding uncollectible recovery:				\$0.01407
(9) Proposed SRP Opex Factor per kWh, excluding uncollectible recovery:				\$0.00000
(10) Total Proposed Energy Efficiency Charge per kWh, excluding uncollectible recovery	:			\$0.01407
(11) Currently Effective Uncollectible Rate				1.30%
(12) Proposed Energy Efficiency Program Charge per kWh, including Uncollectible Recovery:				\$0.01425
(13) Currently Effective Energy Efficiency Program Charge per kwh				\$ <u>0.01113</u>
(14) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00312

- (1) Projected Budget from E-2 includes OER and EERMC costs allocated to each sector based on forecasted sales.
- (2) DSM Commitments are runder construction with anticipated completion in 2022.

 (3) Fund balance projections include projected revenue and spend through year end with Income Eligible sector set to 50 through projected subsidization from other sectors, minus commitments which are illustrated separately on line (2). The Company proposes to refile this table with updated Fund Balance projections on November 17, 2021 as proposed in Section 10 of the Plan's Main Text.

 (4) The total projection of FCM revenue is allocated by kWh sales to each sector. FCM Revenue includes an estimated \$250,230 penalty. See prefiled testimony for additional details.

 (5) Line (2) + Line (3) + Line (4)

- (6) Line (1) Line (5)
- (7) Per Company Forecast
- (8) Line (6) \div Line (7), truncated to 5 decimal places
- (9) Truncated to 5 decimal places
- (11) Proposed SRP Opex Factor is \$0.00000.
- (10) Line (8) + Line (9)
- (11) Uncollectible rate approved in Docket No 4770.
- (12) Line (10) ÷ (1-Line (11), truncated to 5 decimal places
- (13) Currently Effective EE Charge includes System Reliability Factor and uncollectible recovery.
- (14) Line (12) Line (13)

Table E-2 - PROVISIONAL PLAN National Grid 2022 Electric Energy Efficiency Program Budget (\$000)

	Program Planning & Administration	Marketing	Cost of services and product rebates/incentive s provided to customers	Sales, Technical Assistance & Training	Evaluation & Market Research	Total Performance Incentive	Grand Total
Non-Income Eligible Residential							
Residential New Construction	\$91.7	\$23.6	\$800.9	\$545.5	\$79.9		\$1,541.7
ENERGY STAR® HVAC	\$96.2	\$279.6	\$3,324.7	\$524.6	\$262.3		\$4,487.3
EnergyWise	\$403.8	\$373.6	\$13,289.6	\$1,418.7	\$282.0		\$15,767.7
EnergyWise Multifamily	\$100.9	\$74.3	\$2,613.8	\$441.6	\$40.4		\$3,271.1
Residential Consumer Products	\$83.8	\$464.3	\$1,724.7	\$542.4	\$22.2		\$2,837.4
Home Energy Reports	\$55.9	\$13.1	\$0.0	\$2,551.5	\$20.8		\$2,641.3
Residential ConnectedSolutions	\$38.2	\$11.3	\$1,347.1	\$368.4	\$37.4		\$1,802.4
Energy Efficiency Education Programs	\$0.0	\$40.0	\$0.0	\$0.0	\$0.0		\$40.0
Residential Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - Residential	\$33.7	\$125.2	\$96.2	\$0.0	\$0.0		\$255.1
Comprehensive Marketing - Residential	\$1.3	\$356.7	\$0.0	\$0.0	\$0.0		\$357.9
Residential Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal - Non-Income Eligible Residential	\$905.6	\$1,761.8	\$23,196,9	\$6,392.8	\$744.9	\$0.0	\$33,002.0
Income Eligible Residential	φισεισ	Ψ1,7 0210	Ψ20,13 013	ψο,ε>210	ψ	φ0.0	422,00210
Single Family - Income Eligible Services	\$337.6	\$135.0	\$10,756.0	\$1,966.0	\$72.5		\$13,267.2
Income Eligible Multifamily	\$114.3	\$14.1	\$3,024.0	\$344.1	\$39.8		\$3,536.3
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal - Income Eligible Residential	\$451.9	\$149.2	\$13,780.0	\$2,310,2	\$112.3	\$0.0	\$16,803.5
Commercial & Industrial	T 12 212	7-11-1	4-24,10010	+=,====	,	7***	4-0,000
Large Commercial New Construction	\$227.0	\$306.8	\$9,545.4	\$1,942.2	\$432.9		\$12,454.1
Large Commercial Retrofit	\$782.4	\$239.5	\$22,865.4	\$5,605.12	\$816.3		\$30,308.7
Small Business Direct Install	\$235.4	\$244.0	\$8,688,6	\$308.7	\$256.0		\$9,732.8
Commercial ConnectedSolutions	\$96.7	\$6.8	\$4,102,6	\$180.7	\$0.0		\$4,386.9
Commercial Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - C&I	\$11.2	\$41.7	\$32.1	\$0.0	\$0.0		\$85.0
Finance Costs	\$0.0	\$0.0	\$2,000.0	\$0.0	\$0.0		\$2,000.0
Commercial Workforce Development	\$0.0	\$0.0	\$0.0	\$157.5	\$0.0		\$157.5
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5,500.0	\$5,500.0
Subtotal - Commercial & Industrial	\$1,352.8	\$838.8	\$47,234.0	\$8,194.2	\$1,505.2	\$5,500.0	\$64,625.0
Regulatory							
OER	\$1,911.5	\$0.0	\$0.0	\$0.0	\$0.0		\$1,911.5
EERMC	\$1,274.4	\$0.0	\$0.0	\$0.0	\$0.0		\$1,274.4
Rhode Island Infrastructure Bank	\$0.0	\$0.0	\$5,000.0	\$0.0	\$0.0		\$5,000.0
Subtotal - Regulatory	\$3,185.9	\$0.0	\$5,000.0	\$0.0	\$0.0	\$0.0	\$8,185.9
Grand Total	\$5,896.1	\$2,749.8	\$89,211.0	\$16,897.2	\$2,362.3	\$5,500.0	\$122,616.5

- $(1)\ 2022\ Large\ Commercial\ Retrofit\ Commitments\ (\$000):$
- (2) For more information on Finance Costs, please refer to Attachment 2, Section 9.
- (3) OER and EERMC total 3.0% of customers' EE Program Charge collected on Table E-1, minus 3%.
- (4) Finance Costs are detailed in Table E-9. Finance Costs include an injection of \$2M into the Large C&I Revolving Loan Fund. Without this injection the Large C&I Revolving Loan Fund is projected to be negative by the end of 2022.
- (5) Demonstrations and Assessments budgets are included in specific program level budgets listed above. More information on Demonstration and Assessments descriptions, budgets, and which program level budget they are included in can be found in Attachment 8.
- (6) Based on the state's System Reliability and Least Cost procurement statute (amended in 2021), funds transferred to the Rhode Island Infrastructure Bank are now classified under Regulatory costs.

Table E-3 - PROVISIONAL PLAN National Grid Derivation of the 2022 Spending and Implementation Budgets (\$000)

	Proposed 2022 Budget From E-2	Commitments	Regulatory Costs	Performance Incentive	Eligible Sector Spending Budget for Performance Incentive on E-8B	Implementation Expenses for Cost- Effectiveness on E-5
Non-Income Eligible Residential						
Residential New Construction	\$1,541.7					\$1,541.7
ENERGY STAR® HVAC	\$4,487.3					\$4,487.3
EnergyWise	\$15,767.7					\$15,767.7
EnergyWise Multifamily	\$3,271.1					\$3,271.1
Residential Consumer Products	\$2,837.4					\$2,837.4
Home Energy Reports	\$2,641.3					\$2,641.3
Residential ConnectedSolutions	\$1,802.4					\$1,802.4
Energy Efficiency Education Programs	\$40.0					\$40.0
Residential Pilots	\$0.0					\$0.0
Community Based Initiatives - Residential	\$255.1					\$255.1
Comprehensive Marketing - Residential	\$357.9					\$357.9
Residential Performance Incentive	\$0.0			\$0.0		\$0.0
Subtotal - Non-Income Eligible Residential	\$33,002.0	\$0.0	\$0.0	\$0.0	\$31,174.7	\$33,002.0
Income Eligible Residential						
Single Family - Income Eligible Services	\$13,267.2					\$13,267.2
Income Eligible Multifamily	\$3,536.3					\$3,536.3
Income Eligible Performance Incentive	\$0.0			\$0.0		\$0.0
Subtotal - Income Eligible Residential	\$16,803.5	\$0.0	\$0.0	\$0.0	\$16,803.5	\$16,803.5
Commercial & Industrial						
Large Commercial New Construction	\$12,454.1	\$0.0				\$12,454.1
Large Commercial Retrofit	\$30,308.7	\$0.0				\$30,308.7
Small Business Direct Install	\$9,732.8	\$0.0				\$9,732.8
Commercial ConnectedSolutions	\$4,386.9					\$4,386.9
Commercial Pilots	\$0.0					\$0.0
Community Based Initiatives - C&I	\$85.0					\$85.0
Finance Costs	\$2,000.0					\$2,000.0
Commercial Workforce Development	\$157.5					\$157.5
Commercial & Industrial Performance Incentive	\$5,500.0			\$5,500.0		\$0.0
Subtotal - Commercial & Industrial	\$64,625.0	\$0.0	\$0.0	\$5,500.0	\$54,707.1	\$59,125.0
Regulatory						
OER	\$1,911.5		\$1,911.5			\$1,911.5
EERMC	\$1,274.4		\$1,274.4			\$1,274.4
Rhode Island Infrastructure Bank	\$5,000.0		\$5,000.0			\$5,000.0
Subtotal - Regulatory	\$8,185.9	\$0.0	\$8,185.9	\$0.0	\$0.0	\$8,185.9
Grand Total	\$122,616.5	\$0.0	\$8,185.9	\$5,500.0	\$102,685.3	\$117,116.5

- Notes:
 (1) Eligible Sector Spending Budget = Total Budget from E-2 minus commitments, regulatory costs, pilots, assessments, Residential ConnectedSolutions, Commercial ConnectedSolutions, Performance Incentive (2) Eligible Sector Spending Budget does not include assessments, see Attachment 8 for assessments budgets.
 (3) Implementation Expenses = Total Budget from E-2 minus commitments and Performance Incentive.

Table E-4 - PROVISIONAL PLAN National Grid

Proposed 2022 Budget Compared to Approved 2021 Budget (\$000)

		Approved	
	D		
	Proposed Implementation	Implementation Budget	7.100
	Budget 2022	2021	Difference
Non-Income Eligible Residential			
Residential New Construction	\$1,541.7	\$1,611.3	-\$69.7
ENERGY STAR® HVAC	\$4,487.3	\$3,487.8	\$999.5
EnergyWise	\$15,767.7	\$15,692.2	\$75.6
EnergyWise Multifamily	\$3,271.1	\$2,804.3	\$466.8
ENERGY STAR® Lighting	\$0.0	\$5,274.8	-\$5,274.8
Residential Consumer Products	\$2,837.4	\$2.681.2	\$156.2
Home Energy Reports	\$2,641.3	. ,	-\$0.4
Residential ConnectedSolutions	\$1,802.4	. ,	-\$118.1
Energy Efficiency Education Programs	\$40.0		\$0.0
Residential Pilots	\$0.0	\$0.0	\$0.0
Community Based Initiatives - Residential	\$255.1	\$226.2	\$28.9
Comprehensive Marketing - Residential	\$357.9		\$25.2
Subtotal - Non-Income Eligible Residential	\$33,002.0	\$36,712.7	-\$3,710.6
Subtotal - Non-Income Engine Residential	\$33,002.0	φ30,712.7	-φ3,710.0
Income Eligible Residential			
Single Family - Income Eligible Services	\$13,267.2	\$12,846.1	\$421.1
Income Eligible Multifamily	\$3,536.3	\$3,549.0	-\$12.7
Subtotal - Income Eligible Residential	\$16,803.5	\$16,395.1	\$408.4
Subtotal - Income Engible Residential	\$10,003.3	\$10,393.1	φ+00.4
Commercial & Industrial			
Large Commercial New Construction	\$12,454.1	\$8,188.2	\$4,266.0
Large Commercial Retrofit	\$30,308.7	. ,	-\$1,256.5
Small Business Direct Install	\$9,732.8	. ,	\$849.3
Commercial ConnectedSolutions		\$2,990.1	
	\$4,386.9	. ,	\$1,396.8
Community Based Initiatives - C&I	\$85.0	\$74.5	\$10.4
Commercial Pilots	\$0.0		\$0.0
Finance Costs	\$2,000.0		-\$3,000.0
Commercial Workforce Development	\$157.5		\$157.5
Subtotal Commercial & Industrial	\$59,125.0	\$56,701.6	\$2,423.4
Regulatory			
EERMC	¢1 274 4	ф729.5	¢525.0
	\$1,274.4		\$535.9
OER P. I.	\$1,911.5		\$1,173.0
Rhode Island Infrastructure Bank	\$5,000.0	\$0.0	\$5,000.0
Subtotal Regulatory	\$8,185.9	\$1,477.0	\$6,708.9
TOTAL IMPLEMENTATION BUDGET	\$117,116.5	\$111,286.3	\$5,830.1
OTHER EXPENSE ITEMS		±0 -	4
Commitments	\$0.0	\$0.0	\$0.0
Company Incentive	\$5,500.0		\$0.0
Subtotal - Other Expense Items	\$5,500.0	,	\$0.0
TOTAL BUDGET	\$122,616.5	\$116,786.3	\$5,830.1

- (1) Program Implementation Budget excludes Commitments, Company Incentive; derived on Table E-3
- (2) Total Budget includes Implementation, Commitments; illustrated on Table E-3
- (3) The Energy Star® Lighting program year-over-year decrease is due to the phase out of the program in 2022.
- (4) The increased budget for the Large Commercial and Industrial New Construction program can be attributed to a roughly \$3,800,000 increase in incentives for HVAC, controls, industrial process, and other non-lighting measures, plus associated program administration costs to implement a more complex measure mix.

 (5) The Large Commercial Retrofit program decreased primarily due to roughly a \$2,600,000 reduction in lighting incentives due to lower anticipated volume as the market
- (5) The Large Commercial Retrofit program decreased primarily due to roughly a \$2,600,000 reduction in lighting incentives due to lower anticipated volume as the market becomes increasingly saturated. The CHP budget also decreased approximately \$500,000 because there was a CHP retrofit in the 2021 plan. This has been partially offset by increased non-lighting incentive budgets and associated program administration costs to implement a more complex measure mix.
- (6) The increase in the 2022 Commercial and Industrial ConnectedSolutions program budget can be attributed to the higher participation in the Daily Dispatch demand response offering. In total, the customer incentive payments represent approximately 98% of the cost associated with this measure.
- (7) The Finance Cost decline is driven by a reallocation of \$5M in RIIB from this line to the RIIB line under regulatory due to the updated the Least Cost Procurement statute (amended in 2021).
- (8) The increase in allocation of funds to the OER is made consistent with the state's System Reliability and Least Cost procurement statute (amended in 2021), which provides that the Commission shall allocate an amount not to exceed three percent (3.0%) from authorized demand-side management gas and electric funds authorized.
- (9) The Rhode Island Infrastructure Bank addition is driven by a reallocation of \$5M in RIIB from the Finance Cost Line to the Rhode Island Infrastructure Bank line under the regulatory sector to comply with the Least Cost Procurement statute (amended in 2021).

Table E-5 - Primary - PROVISIONAL PLAN National Grid Calculation of 2022 Program Year Cost-Effectiveness All Dollar Values in (\$000)

	RI Test		Program			
	Benefit/	Total	Implementation	Customer	Performance	¢/Lifetime
	Cost ¹	Benefit	Expenses ²	Contribution	Incentive	kWh
Non-Income Eligible Residential			_			
Residential New Construction	2.03	\$4,232.1	\$1,541.7	\$547.2		14.0
ENERGY STAR® HVAC	2.31	\$14,630.8	\$4,487.3	\$1,848.5		8.2
EnergyWise	1.02	\$16,626.6	\$15,767.7	\$530.6		121.0
EnergyWise Multifamily	1.63	\$6,189.9	\$3,271.1	\$532.0		18.3
Home Energy Reports	2.04	\$5,401.4	\$2,641.3	\$0.0		9.8
Residential Consumer Products	2.19	\$9,713.3	\$2,837.4	\$1,606.6		9.3
Residential ConnectedSolutions	1.60	\$2,886.0	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			
Residential Pilots			\$0.0			
Community Based Initiatives - Residential			\$255.1			
Comprehensive Marketing - Residential			\$357.9			
Non-Income Eligible Residential SUBTOTAL	1.57	\$59,680.0	\$33,002.0	\$5,064.9	\$0.0	18.9
Income Eligible Residential						
Single Family - Income Eligible Services	1.94	\$25,758.0	\$13,267.2	\$0.0		34.5
Income Eligible Multifamily	2.37	\$8,368.1	\$3,536.3	\$0.0		14.5
Income Eligible Residential SUBTOTAL	2.03	\$34,126.2	\$16,803.5	\$0.0	\$0.0	26.8
Commercial & Industrial						
Large Commercial New Construction	2.90	\$39,123.7	\$12,454.1	\$1,021.5		6.1
Large Commercial New Construction Large Commercial Retrofit	1.94	\$79,655.6	\$30,308.7	\$10,742.0		12.0
Small Business Direct Install	1.12	\$13.059.2	\$9,732.8	\$1,974.1		17.5
Commercial ConnectedSolutions	2.42	\$10,621.2	\$4,386.9	\$1,974.1		N/A
Commercial Pilots	2.42	\$10,021.2	\$0.0	\$0.0		IN/A
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$2,000.0			
Commercial Workforce Development			\$157.5			
C&I SUBTOTAL	1.82	\$142,459.7	\$59,125.0	\$13,737.6	\$5,500.0	11.6
Regulatory						
OER			\$1,911.5			
EERMC			\$1,274.4			
Rhode Island Infrastructure Bank			\$5,000.0			
Regulatory SUBTOTAL			\$8,185.9			
TOTAL	1.67	\$236,265.9	\$117,116.5	\$18,802.5	\$5,500.0	15.2

Notes:

(1) RI Test B/C Test = Total Benefits from Table E-6A/Program Implementation Expenses from Table E-3 Also includes effects of free-ridership and spillover.

(2) For Implementation Expenses derivation, see Table E-3.

Table E-5 - Secondary - PROVISIONAL PLAN National Grid Calculation of 2022 Program Year Cost-Effectiveness with Economic Benefits Included All Dollar Values in (\$000)

	RI Test		Program			
	Benefit/	Total	Implementation	Customer	Performance	¢/Lifetime
	Cost ¹	Benefit	Expenses ²	Contribution	Incentive	kWh
Non-Income Eligible Residential			1			
Residential New Construction	3.06	\$6,390.4	\$1,541.7	\$547.2		14.0
ENERGY STAR® HVAC	3.31	\$21,002.8	\$4,487.3	\$1,848.5		8.2
EnergyWise	1.92	\$31,290.6	\$15,767.7	\$530.6		121.0
EnergyWise Multifamily	2.78	\$10,573.2	\$3,271.1	\$532.0		18.3
Home Energy Reports	3.04	\$8,042.7	\$2,641.3	\$0.0		9.8
Residential Consumer Products	3.16	\$14,026.1	\$2,837.4	\$1,606.6		9.3
Residential ConnectedSolutions	2.43	\$4,382.0	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			
Residential Pilots			\$0.0			
Community Based Initiatives - Residential			\$255.1			
Comprehensive Marketing - Residential			\$357.9			
Non-Income Eligible Residential SUBTOTAL	2.51	\$95,707.9	\$33,002.0	\$5,064.9	\$0.0	18.9
Income Eligible Residential						
Single Family - Income Eligible Services	2.80	\$37,167.8	\$13,267.2	\$0.0		34.5
Income Eligible Multifamily	3.56	\$12,576.4	\$3,536.3	\$0.0		14.5
Income Eligible Residential SUBTOTAL	2.96	\$49,744.2	\$16,803.5	\$0.0	\$0.0	26.8
Commercial & Industrial						
Large Commercial New Construction	6.73	\$90,691.8	\$12,454.1	\$1,021.5		6.1
Large Commercial Retrofit	6.22	\$255,446.2	\$30,308.7	\$10,742.0		12.0
Small Business Direct Install	2.75	\$32,232.9	\$9,732.8	\$1,974.1		17.5
Commercial ConnectedSolutions	4.61	\$20,228.4	\$4,386.9	\$0.0		N/A
Commercial Pilots		+==,====	\$0.0	7		
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$2,000.0			
Commercial Workforce Development			\$157.5			
C&I SUBTOTAL	5.09	\$398,599.3	\$59,125.0	\$13,737.6	\$5,500.0	11.6
Regulatory						
OER			\$1,911.5			
EERMC			\$1,274.4			
Rhode Island Infrastructure Bank			\$5,000.0			
Regulatory SUBTOTAL			\$8,185.9			
TOTAL	3.85	\$544,051.4	\$117,116.5	\$18,802.5	\$5,500.0	15.2

- (1) RI Test B/C Test = Total Benefits from Table E-6A including Economic Benefits / Program Implementation Expenses from Table E-3 Also includes effects of free-ridership and spillover.
- (2) For Implementation Expenses derivation, see Table E-3.

Table E-5A - PROVISIONAL PLAN National Grid Calculation of 2022 Program Year Cost-Effectiveness with TRC Test All Dollar Values in (\$000)

	TRC		Program			
	Benefit/	Total	Implementation	Customer	Performance	¢/Lifetime
	Cost ¹	Benefit	Expenses ²	Contribution	Incentive	kWh
Non-Income Eligible Residential			•			
Residential New Construction	1.61	\$3,371.2	\$1,541.7	\$547.2		14.0
ENERGY STAR® HVAC	1.69	\$10,738.0	\$4,487.3	\$1,848.5		8.2
EnergyWise	0.77	\$12,509.7	\$15,767.7	\$530.6		121.0
EnergyWise Multifamily	1.35	\$5,142.9	\$3,271.1	\$532.0		18.3
Home Energy Reports	1.38	\$3,642.0	\$2,641.3	\$0.0		9.8
Residential Consumer Products	1.39	\$6,187.3	\$2,837.4	\$1,606.6		9.3
Residential ConnectedSolutions	1.60	\$2,882.5	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			0.0
Residential Pilots			\$0.0			0.0
Community Based Initiatives - Residential			\$255.1			0.0
Comprehensive Marketing - Residential			\$357.9			0.0
Non-Income Eligible Residential SUBTOTAL	1.17	\$44,473.6	\$33,002.0	\$5,064.9	\$0.0	18.9
Income Eligible Residential						
Single Family - Income Eligible Services	1.66	\$22,034.6	\$13,267.2	\$0.0		34.5
Income Eligible Multifamily	2.03	\$7,186.3	\$3,536.3	\$0.0		14.5
Income Eligible Residential SUBTOTAL	1.74	\$29,220.8	\$16,803.5	\$0.0	\$0.0	26.8
Commercial & Industrial						
Large Commercial New Construction	2.23	\$29,993.6	\$12,454.1	\$1,021.5		6.1
Large Commercial Retrofit	1.53	\$62,986.7	\$30,308.7	\$10,742.0		12.0
Small Business Direct Install	0.83	\$9,691.3	\$9,732.8	\$1,974.1		17.5
Commercial ConnectedSolutions	2.42	\$10,621.2	\$4,386.9			
Commercial Pilots			\$0.0			
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$2,000.0			
Commercial Workforce Development			\$157.5			
C&I SUBTOTAL	1.45	\$113,292.8	\$59,125.0	\$13,737.6	\$5,500.0	11.6
Regulatory						
OER			\$1,911.5			
EERMC	İ		\$1,274.4			
Rhode Island Infrastructure Bank	İ		\$5,000.0			
Regulatory SUBTOTAL			\$8,185.9			
TOTAL	1.32	\$186,987.2	\$117,116.5	\$18,802.5	\$5,500.0	15.2

⁽¹⁾ TRC B/C Test omits societal benefits that are monetized in the RI Test, including non-embedded emissions (CO2 and Nox), and economic benefits Also includes effects of free-ridership and spillover.

⁽²⁾ For Implementation Expenses derivation, see Table E-3.

Table E-6 - PROVISIONAL PLAN National Grid Summary of 2022 Benefits by Program (Energy Efficiency Measures)

Γ										Benefits (00	0's)								
					Capacity					Energy				Non E	Electric			Societal	
								Wir	iter	Sum	mer								
	Total	Total (Economic Excluded)	Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter Peak	Winter Off Peak	Summer Peak		Electric Energy DRIPE	Natural Gas	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
Non-Income Eligible Residential																			
Residential New Construction	\$6,390	\$4,232	\$48	\$43	\$94	\$93	\$1	\$369	\$485	\$144	\$110	\$289	\$0	\$325	\$1,304	\$66	\$833	\$28	\$2,158
ENERGY STAR® HVAC	\$21,003	\$14,631	\$182	\$159	\$357	\$353	\$2	\$2,398	\$2,987	\$221	\$185		\$55	\$1,639	-\$16	\$384	\$3,762	\$131	\$6,372
EnergyWise	\$31,291	\$16,627		\$162	\$291	\$288	\$2	\$267	\$273	\$178	\$157	\$314	\$0	\$8,984	\$233	\$1,267	\$3,605	\$458	\$14,664
EnergyWise Multifamily	\$10,573	\$6,190	47.1	\$79	\$182	\$180	\$1	\$595	\$742	\$106	\$89		\$0	\$632	\$48	\$1,931	\$1,004	\$43	\$4,383
Home Energy Reports	\$8,043	\$5,401	\$207	\$450	\$365	\$362	\$6	\$646	\$531	\$251	\$183		\$0	\$0	\$0	\$0	\$1,736	\$23	\$2,641
Residential Consumer Products	\$14,026	\$9,713	\$335	\$719	\$752	\$745	\$9	\$903	\$981	\$485	\$487	\$1,496	\$15	\$42	\$41	\$4	\$2,663	\$37	\$4,313
Non-Income Eligible Residential SUBTOTAL	\$91,326	\$56,794	\$1,014	\$1,612	\$2,041	\$2,022	\$21	\$5,178	\$5,999	\$1,385	\$1,210	\$5,036	\$70	\$11,622	\$1,609	\$3,652	\$13,603	\$720	\$34,532
Income Eligible Residential			1	l								1							
Single Family - Income Eligible Services	\$37,168	\$25,758	\$275	\$253	\$541	\$536	\$3	\$874	\$967	\$410	\$423	\$801	\$77	\$5,282	\$386	\$11,208	\$3,428	\$295	\$11,410
Income Eligible Multifamily	\$12,576	\$8,368	\$22	\$19	\$43	\$43	\$0	\$789	\$1,008	\$30	\$25	\$554	\$0	\$642	\$53	\$3,958	\$1,137	\$45	\$4,208
Income Eligible Residential SUBTOTAL	\$49,744	\$34,126	\$297	\$271	\$584	\$578	\$3	\$1,663	\$1,975	\$440	\$448	\$1,354	\$77	\$5,924	\$439	\$15,165	\$4,565	\$340	\$15,618
Commercial & Industrial		<u> </u>	1	l							l				1				
Large Commercial New Construction	\$90,692	\$39,124	\$1,534	\$1,310	\$2,999	\$2,972	\$16	\$5,688	\$3,343	\$3,619	\$2,196	\$4,835	-\$257	\$0	\$5	\$1,732	\$9,013	\$117	\$51,568
Large Commercial Retrofit	\$255,446	\$79,656	\$3,028	\$5,990	\$6,722	\$6,660	\$75	\$7,191	\$5,177	\$4,940	\$3,098	\$10,800	-\$1,992	\$0	\$36	\$11,261	\$16,590	\$79	\$175,791
Small Business Direct Install	\$32,233	\$13,059	\$261	\$617	\$597	\$592	\$8	\$1,435	\$839	\$1,062	\$555	\$2,158	-\$404	\$0	\$0	\$1,971	\$3,352	\$16	\$19,174
C&I SUBTOTAL	\$378,371	\$131,838	\$4,823	\$7,917	\$10,319	\$10,224	\$99	\$14,315	\$9,359	\$9,621	\$5,850	\$17,793	-\$2,653	\$0	\$41	\$14,965	\$28,955	\$212	\$246,532
TOTAL	\$519,441	\$222,759	\$6,134	\$9,800	\$12,943	\$12,824	\$124	\$21,155	\$17,333	\$11,446	\$7,508	\$24,184	-\$2,506	\$17,547	\$2,089	\$33,782	\$47,124	\$1,272	\$296,682

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Table E-6A - PROVISIONAL PLAN National Grid Summary of 2022 Impacts by Program (Energy Efficiency Measures)

Total Net Savings (Electric, Gas Saved Oil Saved Propane Saved Gas, Oil, Propane) Electric Energy Savings Load Reduction in kW MWh MMBtu MMBtu MMBtu MMBtu MMBtu Summer Winter Annual Lifetime Annual Lifetime Annual Lifetime Lifetime Annual Lifetime Annual Lifetime Non-Income Eligible Residential 2,957 74 259 867 14,947 50,998 13,016 1,321 33,013 4,798 97,027 Residential New Construction 521 265,169 ENERGY STAR® HVAC 240 1.063 4,620 77,717 15,762 395 6.012 4,463 67,405 (33) (424) 20,587 338,161 EnergyWise 424 506 2,789 13,472 9,515 45,968 19,019 364,568 230 3,654 28,764 414,190 EnergyWise Multifamily 143 350 1,424 20,783 4,857 70,912 1,046 25,343 5,903 96,255 Home Energy Reports 3,692 5,706 26,852 26,852 91,619 91,619 91,619 91,619 6,885 370 Residential Consumer Products 1.118 47,554 162,256 84 1.672 1,683 25 23,685 826 23,491 85 165,981 Non-Income Eligible Residential SUBTOTAL 5,691 8,709 43,435 201,325 148,201 686,921 478 7,684 25,133 472,014 1,543 36,614 175,356 1,203,233 Income Eligible Residential Single Family - Income Eligible Services 480 501 3,314 38,506 11,306 131,383 958 11,562 11,178 214,399 63 1,121 23,505 358,466 Income Eligible Multifamily 49 445 1,538 24.309 5.247 82,943 1.239 25.915 6.486 108.858 Income Eligible Residential SUBTOTAL 529 946 4,851 62,816 16,553 214,327 958 11,562 12,417 240,314 63 1,121 29,991 467,324 Commercial & Industrial Large Commercial New Construction 1,980 1,477 14,258 219,673 48,647 749,523 (2,368) (30,783)46,279 718,740 152,445 (239,826) Large Commercial Retrofit 9,190 7,845 44,679 342,728 1,169,389 (36,585) 115,860 929,563 Small Business Direct Install 10.231 34,908 228,373 (8,102) (48,613) 179,760 933 730 66,932 26,806 C&I SUBTOTAL 12,103 10,051 69,168 629,333 236,000 (47,055) (319,222) 188,945 1,828,063 2,147,285 TOTAL 18,323 19,706 117,454 893,474 400,754 3,048,533 (45,619) (299,976) 37,550 712,329 1,607 37,735 394,292 3,498,621

¹⁾ Lifetime savings are equal to annual savings multiplied by the expected life of measures expected to be installed in each program.

Table E-6B - PROVISIONAL PLAN National Grid Summary of 2022 Demand Response Benefits and Savings

		Benefits (000's)														Load Reduction (MW)	MWh	Saved
					Capacity					Energy			Non Electric	Soc	ietal	()		
		Total (Economic	Summer	Capacity				Wi	nter	Sur	nmer					Ī		
	Total	Excluded)	Generation	DRIPE	Trans	Dist	Reliability	Peak	Off Peak	Peak	Off Peak	Energy DRIPE	Non Resource	Carbon	Economic	Summer	Annual	Lifetime
Non-Income Eligible Residential																		
Residential ConnectedS	\$4,382	\$2,884	\$238	\$976	\$729	\$722	\$214	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$1,496	7.4	59.4	59.4
Commercial & Industrial																		
Commercial Connected	\$20,228	\$10,621	\$646	\$2,651	\$3,207	\$3,177	\$941	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,607	32.4	0.0	0.0
TOTAL	\$24,610	\$13,505	\$884	\$3,627	\$3,936	\$3,899	\$1,154	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$11,103	39.8	59.4	59.4

Table E-7 - PROVISIONAL PLAN National Grid Comparison of 2022 and 2021 Goals and Tracking

	Proposed 20	22 Goal		Proposed 202	22 Tracking			Approve	ed 2021			Diffe	rence	
	_	A -41	A	A	Total Net		Lifetime		41 D	A -42	Lifetime		Annual	4 -42
	Lifetime	Active Demand	Annual Electric	Annual Passive Summer	Lifetime Energy	Planned	Electric Energy	Annual Electric	Annual Passive Summer	Active Demand	Electric Energy	Annual Electric	Passive Summer	Active Demand
	Electric Energy			Demand Savings	Savings	Unique	Savings	Energy Savings	Demand	Response	Savings	Energy Savings		Response
	Savings (MWh)	(kW)	(MWh)	(kW)	(MMBtu)	Participants	(MWh)	(MWh)	Savings (kW)	(kW)	(MWh)	(MWh)	Savings (kW)	(kW)
Non-Income Eligible Residential	g. ()	(2111)	(4.2.1.2)	(=)	(- and a second	(2.2) . 23	(=== 1.12)	g. ()	(==)	()	(zarranga (azrri)	(=)
Residential New Construction	14,947		867	74	97,027	462	18,088	979	66		-3,141	-113	8	
ENERGY STAR® HVAC	77,717		4,620	240	338,161	5,229	51,309	3,181	204		26,408	1,439	36	
EnergyWise	13,472		2,789	424	414,190	12,000	14,385	2,841	445		-913	-52	-20	
EnergyWise Multifamily	20,783		1,424	143	96,255	3,600	16,307	1,240			4,476	183	-15	
Home Energy Reports	26,852		26,852	3,692	91,619	323,248	26,852	26,852	3,692		0	0	0	
ENERGY STAR® Lighting	0		0	0	0	0	26,801	11,533	1,872		-26,801	-11,533	-1,872	
Residential Consumer Products	47,554		6,885	1,118	165,981	34,692	38,130	5,926	1,019		9,424	958	100	
Residential ConnectedSolutions		7,365				4,178				5,431		0		1,934
Non-Income Eligible Residential SUBTOTAL	201,325	7,365	43,435	5,691	1,203,233	383,409	191,872	52,553	7,455	5,431	9,453	-9,118	-1,764	1,934
Income Eligible Residential														
Single Family - Income Eligible Services	38,506		3,314	480	358,466	3,583	36,909	3,120			1,598	194	22	
Income Eligible Multifamily	24,309		1,538	49	108,858	3,600	22,545	1,554			1,764	-16	-21	
Income Eligible Residential SUBTOTAL	62,816		4,851	529	467,324	7,183	59,454	4,674	527		3,361	177	2	
Commercial & Industrial														
Large Commercial New Construction	219,673		14,258	1,980	718,740	96	189,441	11,837	1,856		30,232	2,421	124	
Large Commercial Retrofit	342,728		44,679	9,190	929,563	2,239	744,562	59,496	11,648		-401,833	-14,817	-2,458	
Small Business Direct Install	66,932		10,231	933	179,760	490	105,134	9,696	1,134		-38,201	535	-202	
Commercial ConnectedSolutions		32,400				180				33,600				-1,200
C&I SUBTOTAL	629,333	32,400	69,168	12,103	1,828,063	3,005	1,039,136	81,029	14,638	33,600	-409,803	-11,861	-2,535	-1,200
TOTAL	893,474	39,765	117,454	18,323	3,498,621	393,597	1,290,462	138,256	22,621	39,031	-396,988	-20,802	-4,298	734

- (1) Planned 2022 participation takes into account net-to-gross and estimates unique participation by taking into accounts 2021 unique customer accounts to savings ratios. Therefore the number of planned measures may be more than the estimated participants shown. For measure counts please view the widget tables in Attachments 1 and 2. Table E-7 no longer includes a comparison to the previous year's participation. Due to the way unique participation is calculated it is not possible to compare year-over-year results.
- (2) There are additional Low Income participants in Residential New Construction.
- (3) A customer can participate in more than one program, for example, Residential Consumer Products and and Home Energy Reports, therefore the population reached can be more than 100%.

Table E-8A - PROVISIONAL PLAN National Grid 2022 Electric PIM Benefits, Allocations, and Categorization (\$000)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	(1)	(2)	Capacity	(4)	(5)	(0)	(7)	Energy	(2)	(10)	Utility NEIs	(12)	Non E		(15)	(10)	Societal	(10)
	Summer Generation	Capacity DRIPE	Transmission	Distribution	Reliability	Winter Peak Energy	Winter Off Peak Energy	Summer Peak Energy	Summer Off Peak Energy	Electric Energy DRIPE	Utility NEIs	Natural Gas and DRIPE	Oil and Oil DRIPE	Propane and Water	Non Resource	Carbon	NOx	Economic
Non-Income Eligible Residential								•••	•									
Residential New Construction	\$48	\$43	\$94	\$93	\$1	\$369	\$485	\$144	\$110	\$289	\$0	\$0	\$325	\$1,304	\$66	\$833	\$28	\$2,158
ENERGY STAR® HVAC	\$182	\$159	\$357	\$353	\$2	\$2,398	\$2,987	\$221	\$185	\$1,833	\$0	\$55	\$1,639	-\$16	\$384	\$3,762	\$131	\$6,372
EnergyWise	\$148	\$162	\$291	\$288	\$2	\$267	\$273	\$178	\$157	\$314	\$0	\$0	\$8,984	\$233	\$1,267	\$3,605	\$458	\$14,664
EnergyWise Multifamily	\$94	\$79	\$182	\$180	\$1	\$595	\$742	\$106	\$89	\$464	\$0	\$0	\$632	\$48	\$1,931	\$1,004	\$43	\$4,383
Home Energy Reports	\$207	\$450	\$365	\$362	\$6	\$646	\$531	\$251	\$183	\$640	\$0	\$0	\$0	\$0	\$0	\$1,736	\$23	\$2,641
Residential Consumer Products	\$335	\$719	\$752	\$745	\$9	\$903	\$981	\$485	\$487	\$1,496	\$0	\$15	\$42	\$41	\$4	\$2,663	\$37	\$4,313
Income Eligible Residential SUBTOTAL	\$1,014	\$1,612	\$2,041	\$2,022	\$21	\$5,178	\$5,999	\$1,385	\$1,210	\$5,036	\$0	\$70	\$11,622	\$1,609	\$3,652	\$13,603	\$720	\$34,532
Income Eligible Residential																		
Single Family - Income Eligible Services	\$275	\$253	\$541	\$536	\$3	\$874	\$967	\$410	\$423	\$801	\$273	\$77	\$5,282	\$386	\$10,935	\$3,428	\$295	\$11,410
Income Eligible Multifamily	\$22	\$19	\$43	\$43	\$0	\$789	\$1,008	\$30	\$25	\$554	\$341	\$0	\$642	\$53	\$3,617	\$1,137	\$45	\$4,208
Income Eligible Residential SUBTOTAL	\$297	\$271	\$584	\$578	\$3	\$1,663	\$1,975	\$440	\$448	\$1,354	\$614	\$77	\$5,924	\$439	\$14,552	\$4,565	\$340	\$15,618
Commercial & Industrial																		
Large Commercial New Construction	\$1,534	\$1,310	\$2,999	\$2,972	\$16	\$5,688	\$3,343	\$3,619	\$2,196	\$4.835	\$0	-\$257	\$0	\$5	\$1.732	\$9,013	\$117	\$51,568
Large Commercial Retrofit	\$3,028	\$5,990	\$6,722	\$6,660	\$75	\$7,191	\$5,177	\$4,940	\$3,098	\$10,800	\$0	-\$1,992	\$0	\$36	\$11,261	\$16,590	\$79	\$175,791
Small Business Direct Install	\$261	\$617	\$597	\$592	\$8	\$1,435	\$839	\$1,062	\$555	\$2,158	\$0	-\$404	\$0	\$0	\$1,971	\$3,352	\$16	\$19,174
C&I SUBTOTAL	\$4,823	\$7,917	\$10,319	\$10,224	\$99	\$14,315	\$9,359	\$9,621	\$5,850	\$17,793	\$0	-\$2,653	\$0	\$41	\$14,965	\$28,955	\$212	\$246,532
Included in PIM? (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
Percent Application in PIM	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	50%	50%	0%	0%	0%	0%
											Electric Utility							
Category	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	System Benefits	Resource Benefits	Resource Benefits	Resource Benefits 1	NA	NA N	IA	NA

Notes
From 2022 Benefit-Cost Model, reflects benefits in Table E-6

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Table E-8B - PROVISIONAL PLAN National Grid 2022 Electric PIM Costs

	(1)	(2)	(3)	
	Costs			
	Eligible Spending Budget from Table E-3	Regulatory Costs	Total Costs for PIM Calculations	
Non-Income Eligible Residential SUBTOTAL	\$31,174,743	\$2,728,639	\$33,903,381	
Income Eligible Residential SUBTOTAL	\$16,803,502	\$2,728,639	\$19,532,140	
C&I SUBTOTAL	\$54,707,098	\$2,728,639	\$57,435,737	
Included in PIM? (Y/N)	Y	Υ	Υ	

Notes

Source is Table E-2 and E-3. Regulatory costs allocated equally to each sector.

Table E-8C - PROVISIONAL PLAN National Grid 2022 Electric PIM and SQA

ector PI = min{ Payout Cap(j), [Actual Net Benefits* Design Payout Rate(g) * Payout Rate Adjustment(i)] }

Sector PI = min{ Payout Cap(j), [Actual Net Bene	efits* Design Payou	: Rate(g) * Payout	Rate Adjustment(i)] }								
	Planned Eligible Benefits		Planned Eligible Costs	Planned Eligible Net Benefits (4) Design Performance Achievement		Design Performance Payout	Design Payout Rate	Design Payout Rate Thresholds	ign Payout Rate Thresholds Payout Rate Adjustments		Service Quality Metric
	(a)	(b)	(c)	(c) (d)		(f)	(g)	(h)	(i)	(i)	(k)
Sector		% Electric y System Sow Resource Eligible Spendi		-(-)·(b) (-)	(e) Net benefits at which design incentive pool is achieved	Set by PUC		Achievement levels at which the Payout Rate Adjustments in (i) will be applied—Set by PUC	Factor to adjust Design Payout Rate for if final program achievement fall within the ranges in (h)—Set by PUC	=1.25*(f)	Yes if (d) ≤ 0; No if (d) >0
	bellelis		Regulatory Costs							Cap on sector payout regardless of achievement in sector	See Service Quality Table
Non-Income Eligible Residential	\$25,517,341	\$6,650,701	\$33,903,381	-\$1,735,340	\$2,000,000	\$500,000	25%	a.A.chievement < 25%	a.0.0 b.Achievement/100	\$625,000	Yes
Income Eligible Residential	\$8,228,275	\$3,220,366	\$19,532,140	-\$8,083,499	\$2,000,000	\$500,000		b.25% ≤ Achievement < 50% c.50% ≤ Achievement < 75% d.25% ≤ Achievement •Spending > Planned Eligible Costs	+ 0.1 c.Achievement/100 + 0.25 d.10.0	\$625,000	Yes
Commercial & Industrial	\$90,318,740	-\$1,305,881	\$57,435,737	\$31,577,122	\$31,577,122	\$5,500,000	17%		•See Boundary Rules	\$6,875,000	No

Sector SQA = Maximum Service Adjustment	(e) * Service Achieven	nent Scaling Factor	(g)							
·	Planned Elig	ible Benefits	Planned Eligible Costs	Design Service Achievement	Maximum Service Adjustment	Service Adjustment Thresholds	Service Achievement Scaling Factors	Achievement Cost Adjustment		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
	100% Electric Utility System Benefits	50% Resource Benefits	Eligible Spending Budget + Regulatory Costs	=(a)+(b)	Maximum downward adjustment to earned incentive—Set by PUC	Adjusted Achievement levels at which the Service Adjustments in (e) will be applied; adjustment is calculated in (h)	Factor to scale program achievement that fall within the ranges in (f)	Actual-cost-based adjustment factor applied to achievement. Result is if the difference between achievement and cost variances are greater than 5%, the Actual Achievement will be adjusted for use in		
Non-Income Eligible Residential Income Eligible Residential	\$25,517,341 \$8,228,275	\$6,650,701 \$3,220,366		\$32,168,042 \$11,448,641	\$1,251,250 \$715,000	a Adjusted Achievement < 65% b.85% ≤ Adjusted Achievement < 95% c.95% ≤ Adjusted Achievement	a.11 b.(95-Adjusted Achievement)/30 c.0	Performance Variance = "Actual Benefits" / 'Design Achievement" - "Spending" / 'Planned Eligible Cost" If the absolute value (Performance Variance) 2 0.05, Then Adjusted Achievement = Actual Achievement Bise Adjusted Achievement = Actual Achievement * (1+ Performance Variance) Variance)		
Commercial & Industrial	\$90,318,740	-\$1.305.881	\$57,435,737	N/A	N/A					

Table E-9 - PROVISIONAL PLAN National Grid Revolving Loan Fund Projections

Large	C 0.T	David	Ii		Ennd
Large	L AZ I	Kevo	iving	Loan	rıına

Small Business Revolving Loan Fund

(1)	1) Total Loan Fund Deposits Through 2021		18,547,780	(1)	Total Loan Fund Deposits Through 2021	\$	3,303,570
(2)	Current Loan Fund Balance	\$	7,208,593	(2)	Current Loan Fund Balance	\$	2,743,078
	Loans Paid Year-To-Date	\$	3,356,693		Loans Paid Year-To-Date	\$	570,365
	Repayments Year-To-Date	\$	2,946,562		Repayments Year-To-Date	\$	606,588
(3)	Projected Additional Loans by Year End 2021	\$	5,770,777	(3)	Projected Additional Loans by Year End 2021	\$	510,000
(4)	Projected Additional Repayments by Year End 2021	\$	2,453,636	(4)	Projected Additional Repayments by Year End 2021	\$	275,529
(5)	Projected Year End Loan Fund Balance 2021	\$	3,891,451	(5)	Projected Year End Loan Fund Balance 2021	\$	2,508,608
(6)	2022 Fund Injection	\$	2,000,000	(6)	2022 Fund Injection	\$	
(7)	Projected Loan Fund Balance, January 2022	\$	5,891,451	(7)	Projected Loan Fund Balance, January 2022	\$	2,508,608
(8)	Projected Repayments throughout 2022	\$	3,881,906	(8)	Projected Repayments throughout 2022	\$	245,746
(9)	Estimated Loans in 2022	\$	8,928,261	(9)	Estimated Loans in 2022	\$, ,
(10)	Projected Year End Loan Fund Balance 2022	\$	845,095	(10)	Projected Year End Loan Fund Balance 2022	\$	1,254,353
	Public Sector Revolving Loan Fund	_			Efficient Buildings Fund	_	
(1)	Public Sector Revolving Loan Fund Total Loan Fund Deposits Through 2021	\$	54,065	(1)	Efficient Buildings Fund Energy Efficiency Funds allocated to EBF through 2021	\$	27,087,113
(1)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance	\$	54,065 34,124	(1) (2)	Ü		27,087,113 55,075,045
. ,	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER	\$	34,124	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date	\$ \$ \$,	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End	\$ \$ \$ \$	34,124 - 34,052	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2) (3) (4)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End Projected Additional Repayments by Year End	\$ \$ \$ \$ \$	34,124 - 34,052 - 15,523	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End	\$ \$ \$ \$	34,124 - 34,052	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2) (3) (4)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End Projected Additional Repayments by Year End	\$ \$ \$ \$ \$	34,124 - 34,052 - 15,523	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2) (3) (4) (5)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End Projected Additional Repayments by Year End Projected Year End Loan Fund Balance 2021	\$ \$ \$ \$ \$	34,124 - 34,052 - 15,523 49,647	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2) (3) (4) (5)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End Projected Additional Repayments by Year End Projected Year End Loan Fund Balance 2021 2022 Fund Injection	\$ \$ \$ \$ \$	34,124 - 34,052 - 15,523 49,647	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,
(2) (3) (4) (5) (6) (7)	Total Loan Fund Deposits Through 2021 Current Loan Fund Balance Funds returned to OER Repayments Year-To-Date Projected Additional Loans by Year End Projected Year End Loan Fund Balance 2021 2022 Fund Injection Projected Loan Fund Balance, January 2022	\$ \$ \$ \$ \$	34,124 - 34,052 - 15,523 49,647	. ,	Energy Efficiency Funds allocated to EBF through 2021		, ,

Notes

- 1 Funding injections since loan funds began. Net of any adjustments.
- ² Current Loan Fund Balance is through July 2021; it includes all loans and repayments made by July 2021. Public Sector Revolving Loan Fund reduced by transfers to RI PEP Incentives. EBF reports in terms of loans outstanding.
- 3 Projected Loans from July to Year-End 2021 is estimated based on projects currently under construction that are anticipated to be paid out by year-end. It is difficult to project this amount accurately due to the fact that projects could be delayed by a month or two resulting in payment occurring in 2022 instead of 2021.
- ⁴ Projected Repayments from June to Year-End 2021 is estimated based on the monthly average amount of repayments.
- 5 Equal to (2) (3) + (4).
- 6 Fund injection of \$2M for the Large C&I Revolving Loan Fund in included under the Finance Cost line in table E-2.
- 7 Equal to (5) + (6).
- 8 Assumption based on monthly average repayments in 2021 over 12 month period; repayments accumulate over time and may vary widely.
- 9 Amount projected to be lent to customers in 2022
- 10 Equal to (7) + (8) (9).

Efficient Buildings Fund - The 2022 Annual Plan only includes two values for EBF: 1) The Energy Efficiency Funds allocated to EBF through 2021. This assumes that the \$5M allocated to EBF for 2021 will be transferred to RIIB in 2021. 2) Total EBF Loans Outstanding as of July 2021. Additional information is not available because RIIB has informed the Company that, commencing with

11 the 2022 Plan, it will not be providing forward looking projections to the Company regarding EBF. The Company is therefore unable to provide any future projections in the 2022 Annual Plan regarding EBF. The state's System Reliability and Least Cost procurement statute (amended in 2021) directs that \$5M shall be transferred to RIIB. However, RIIB has not informed the Company the statuatory \$5M transfer to RIIB in 2022 will go to EBF.

Table E-10 - PROVISIONAL PLAN National Grid Rhode Island Electric Energy Efficiency 2003 - 2022

Electric	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013(4)	2014	2015	2016	2017	2018	2019	2020(5)	2021(6)	2022 ^(x)
Energy Efficiency Budget (\$Million) ⁽¹⁾	\$23.1	\$22.6	\$23.1	\$22.4	\$22.5	\$21.0	\$32.4	\$37.6	\$59.2	\$61.4	\$77.5	\$87.0	\$86.6	\$87.5	\$94.6	\$94.6	\$107.5	\$111.1	\$116.8	\$122.6
Spending Budget (\$Million) ⁽²⁾	\$16.3	\$15.8	\$17.6	\$16.5	\$16.4	\$14.7	\$23.5	\$28.8	\$45.3	\$55.3	\$64.8	\$80.6	\$77.3	\$77.6	\$88.5	\$88.7	\$98.1	\$101.1	\$104.8	\$102.7
Actual Expenditures (\$Million) ⁽³⁾	\$22.8	\$19.5	\$23.4	\$23.7	\$21.9	\$19.2	\$31.7	\$29.7	\$40.0	\$50.7	\$72.9	\$85.3	\$87.4	\$78.4	\$94.8	\$93.0	\$100.7	\$88.2		
Incentive Percentage (10)	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0% N	I/A	N/A
Target Incentive(11)	\$712,557	\$781,959	\$774,689	\$726,627	\$723,000	\$647,689	\$1,035,943	\$1,267,043	\$1,992,513	\$2,434,131	\$3,240,747	\$4,032,000	\$3,867,400	\$3,878,087	\$4,425,528	\$4,436,022	\$4,905,009	\$5,054,448	\$5,500,000	\$5,500,000
Earned Incentive	\$712,557	\$604,876	\$795,648	\$760,623	\$716,075	\$675,282	\$1,085,888	\$1,333,996	\$1,929,273	\$2,469,411	\$2,997,681	\$4,223,321	\$4,533,360	\$4,128,034	\$4,829,847	\$4,940,402	\$3,290,237	\$3,242,675		
Annual Summer Demand kW Savings Goal Achieved (%)				106%	106%	113%	142%	78%	71%	83%	114%	78%	112%	101%	103%	116%	98%	79%		
Annual MWh Energy Savings Goal Achieved (%)				111%	102%	111%	115%	107%	94%	93%	99%	105%	115%	107%	115%	110%	98%	88%		
Energy Efficiency Program Charge (\$/kWh) ⁽⁷⁾	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00320	\$0.00320	\$0.00526	\$0.00592	\$0.00876	\$0.00911	\$0.00953	\$0.01077	\$0.01124	\$0.00972	\$0.01121	\$0.01323	\$0.01113	\$0.01425
Annual Cost to 500 kWh/month Residential Customer w/o tax ⁽⁸⁾	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$19.20	\$19.20	\$31.56	\$35.52	\$52.56	\$54.66	\$57.18	\$64.62	\$67.44	\$58.32	\$67.26	\$79.38	\$66.78	\$85.50
Annual Cost to 500 kWh/month Residential Customer w/ tax ⁽⁹⁾	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$20.00	\$20.00	\$32.88	\$37.00	\$54.75	\$56.94	\$59.56	\$67.31	\$70.25	\$60.75	\$70.06	\$82.69	\$69.56	\$89.06

- (1) Energy Efficiency Budget includes total expenditures and commitments. Includes all demand side management program-related expenses, including rebates, administration and general expenses, evaluation, commitments for future years and Company incentive.
- (2) Prior to 2017, Spending Budget Eligible for Shareholder Incentive includes: Implementation, Administration, General, and Evaluation Expenses; excludes EERMC and OER Costs, Commitments, Copuys, and Outside Finance Costs were also included. Beginning in 2017, Outside Finance Costs were also included. Beginning in 2018 Pilot expenses were also excluded. Beginning in 2019 Connected/Solutions expenses and assessments were also excluded.

 (3) Actual Expenditures is actual spend during calendar year. Includes expenditures and commitments. Includes all demand side management program-related expenses, including rebates, administration and general expenses, evaluation, commitments for future years and Company incentive.
- (4) In the Company's gas and electric rate cases in docker 4323, the PUC approved the uncollectibles gross-up in the electric EE Program Charge effective February 1, 2013, and a new rate applicable to the gross-up of the gas EE Program Charge, effective February 1, 2013.
- (5) 2021 values are planned.
- (6) 2022 values are proposed.
- (7) Beginning in 2012, the EE Program Charge includes the System Reliability Factor. It does not include the \$0.0003 renewables per RI General Laws §39-2-1.2 and Order #19608, which appears on customer bills. (8) Reflects the annual cost excluding Gross Earnings Tax.

- (0) Reflects the annual cost including Gross Earnings Tax.

 (10) Reflects the annual cost including Gross Earnings Tax.

 (10) Incentive percentage not applicable for 2021 due to new performance incentive mechanism developed for the 2021 Annual Plan. See Section 11 of the Main Text of the 2022 Annual Plan for additional details.

 (11) Target incentive is calculated in the same way as in 2021 in order to provide a more accurate estimate of the energy efficiency surcharge.