

December 20, 2019

BY HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: Docket 4979 – The Narragansett Electric Company d/b/a National Grid
2020 Energy Efficiency Program Plan
Compliance Filing Pursuant to 12/17/2019 Open Meeting**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed eleven copies of the Company's compliance filing in the above-referenced docket as ordered at the Open Meeting on December 17, 2019.

As directed by the PUC, the Company has updated the electric tables to account for the elimination of the delivered fuels carve out and the inclusion of weatherization in the core electric targets. Further, the Company has reallocated \$569,718 from the previously budgeted delivered fuels heat pumps originally offered through the Income Eligible Services and HVAC programs to support increases in electric to electric heat pumps offered through those programs.² This will allow for: (a) the continued delivery of benefits to eligible customers; (b) development of these markets; and (c) the growth and development of the workforce needed to support future growth of the air source heat pump market in Rhode Island.

The Company proposes that the remaining balance of the previously budgeted delivered fuels heat pump offerings (\$258,102) not be charged to customers. Instead, the Company requests that \$258,102 be netted out of the Energy Efficiency Program (EEP) electric budget and that the EEP charge be reduced by a corresponding amount to support that lower budget. The Company did not reallocate the remaining \$258,102 to other electric programs because the Company does not believe it is prudent to budget for and collect customer funding for incremental savings from other electric programs that are not consistent with the results of the extensive stakeholder planning process that resulted in the savings targets (and resulting budget)

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

² The Company did not reallocate the entire \$827,820 budget previously requested for delivered fuel heat pump displacement installations to electric resistance heat displacements because there is a much smaller market of customers who currently rely on electric resistance heat relative to the market opportunity for customers who currently rely on delivered fuels. Therefore, the full amount of the budget request cannot be effectively deployed to displace electric resistance heat at the same levels anticipated for displacement of delivered fuels heating.

Luly E. Massaro, Commission Clerk
Docket 4979 – 2020 Energy Efficiency Program Plan
Compliance Filing Pursuant to 12/17/2019 Open Meeting
December 20, 2019
Page 2 of 2

filed on October 15, 2019. In its October 15, 2019 filing, following a data driven planning process through 2019, the Company arrived at and proposed electric savings targets that represent all achievable savings and an EEP that is compliant with the cost-effectiveness, prudence and reliability requirements of the Least Cost Procurement Standards.

The result of the reallocation proposed herein is a decrease in the requested overall electric budget of \$258,102 and a decrease of the resulting Company performance incentive opportunity of \$12,905. As a result of the reduced electric budget, the Company has now proposed a 2020 Electric Energy Efficiency Program Charge of \$0.1323/kWh, a 0.3% decrease from the surcharge proposed in the Company's letter and associated filing on December 6, 2019.

The Company has enclosed updated Electric Tables E-1, E-2, E-3, E-4, E-5, E-5A, E-6, E-6A, E-7, E-9 and E-11. The highlighted figures in the tables reflect the changes discussed herein.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 781-907-2121.

Sincerely,



Raquel J. Webster

Enclosures

cc: Docket 4979 Service List
Jon Hagopian, Esq.
John Bell, Division

Table E-1
National Grid
Electric DSM Funding Sources in 2020 by Sector
\$(000)

	Income Eligible Residential	Projections by Sector Non-Income Eligible Residential	Commercial & Industrial	Total
(1) Projected Budget (from E-2):	\$17,267.57	\$46,506.51	\$47,309.83	\$111,083.91
Sources of Other Funding:				
(2) Projected DSM Commitments at Year-End 2019:	\$0.00	\$0.00	\$0.00	\$0.00
(3) Projected Year-End 2019 Fund Balance and Interest:	\$0.00	(\$10,628.17)	\$12,328.11	\$1,699.94
(4) Projected FCM Payments from ISO-NE:	\$515.40	\$6,750.90	\$10,215.40	\$17,481.76
(5) Total Other Funding:	\$515.40	(\$3,877.27)	\$22,543.51	\$19,181.70
(6) Customer Funding Required:	\$16,752.17	\$50,383.78	\$24,766.32	\$91,902.20
(7) Forecasted kWh Sales:	209,721,362	2,746,941,631	4,156,636,312	7,113,299,305
(8) Energy Efficiency Program charge per kWh, excluding uncollectible recovery:				\$0.01291
(9) Proposed System Reliability Factor per kWh, excluding uncollectible recovery:				\$0.00015
(10) Total Proposed Energy Efficiency Charge per kWh, excluding uncollectible recovery:				\$0.01306
(11) Currently Effective Uncollectible Rate				1.30%
(12) Energy Efficiency Program charge per kWh, including uncollectible recovery:				\$0.01323
(13) Currently Effective EE Charge				\$0.01121
(14) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00202

Notes:

- (1) Projected Budget from E-2 includes OER and EERMC costs allocated to each sector based on forecasted sales and RIIB costs allocated to C&I sector.
- (2) DSM Commitments are projects that are under construction with anticipated completion in 2019.
- (3) Fund balance projections include projected revenue and spend through year end with Low Income sector set to \$0 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 December 2, 2019 as proposed in Section 4.b. of the Plan's Main Text. The Fund Balance reflects an anticipated transfer of \$2,662,675 from the Large C&I Revolving Loan Fund and \$1,214,977 from the Small Business Revolving Loan Fund in October 2019.
- (4) The total projection of FCM revenue is allocated by kWh sales to each sector.
- (5) Line (2) + Line (3) + Line (4)
- (6) Line (1) - Line (5)
- (7) Per Company Forecast
- (8) Line (6) ÷ Line (7), truncated to 5 decimal places
- (9) Truncated to 5 decimal places
- (11) Proposed System Reliability Factor is from the Proposed 2020 System Reliability Procurement Plan. Charge reflects projected year-end 2019 fund balance.
- (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 (13) - Line (12)

**Table E-2
National Grid
2020 Electric Energy Efficiency Program Budget (\$000)**

	Program Planning & Administration	Marketing	Rebates and Other Customer Incentives	Sales, Technical Assistance & Training	Evaluation & Market Research	Total Performance Incentive	Grand Total
Non-Income Eligible Residential							
Residential New Construction	\$57.9	\$2.2	\$537.2	\$326.0	\$50.1		\$973.5
ENERGY STAR® HVAC	\$70.0	\$252.0	\$1,845.9	\$335.5	\$21.7		\$2,525.1
EnergyWise	\$345.9	\$393.5	\$13,758.8	\$1,023.7	\$170.3		\$15,692.2
EnergyWise Multifamily	\$79.1	\$43.1	\$2,174.0	\$405.1	\$103.0		\$2,804.3
ENERGY STAR® Lighting	\$338.3	\$577.4	\$13,917.8	\$418.7	\$123.5		\$15,375.8
Residential Consumer Products	\$62.5	\$519.1	\$1,093.9	\$519.4	\$4.2		\$2,199.2
Home Energy Reports	\$73.8	\$10.6	\$2,540.7	\$10.1	\$92.9		\$2,728.1
Residential ConnectedSolutions	\$11.0	\$0.2	\$315.5	\$134.9	\$0.0		\$461.6
Energy Efficiency Education Programs	\$0.0	\$40.0	\$0.0	\$0.0	\$0.0		\$40.0
Residential Pilots	\$10.8	\$26.0	\$190.0	\$44.0	\$17.0		\$287.8
Community Based Initiatives - Residential	\$29.5	\$90.0	\$84.4	\$0.0	\$0.0		\$203.9
Comprehensive Marketing - Residential	\$2.4	\$379.9	\$0.0	\$0.0	\$0.0		\$382.3
Residential Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2,142.5	\$2,142.5
Subtotal - Non-Income Eligible Residential	\$1,081.4	\$2,334.0	\$36,458.2	\$3,217.4	\$582.7	\$2,142.5	\$45,816.3
Income Eligible Residential							
Single Family - Income Eligible Services	\$288.3	\$143.4	\$10,165.8	\$2,133.5	\$115.1		\$12,846.1
Income Eligible Multifamily	\$92.0	\$9.1	\$2,923.2	\$403.8	\$120.9		\$3,549.0
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$819.8	\$819.8
Subtotal - Income Eligible Residential	\$380.3	\$152.5	\$13,089.0	\$2,537.3	\$236.0	\$819.8	\$17,214.9
Commercial & Industrial							
Large Commercial New Construction	\$184.6	\$315.6	\$3,136.9	\$1,237.1	\$461.5		\$5,335.7
Large Commercial Retrofit	\$703.1	\$244.7	\$17,612.8	\$4,393.99	\$846.7		\$23,801.3
Small Business Direct Install	\$258.8	\$297.2	\$6,507.9	\$322.9	\$181.9		\$7,568.6
Commercial ConnectedSolutions	\$32.3	\$2.1	\$1,715.0	\$329.1	\$0.0		\$2,078.5
Commercial Pilots	\$16.3	\$22.0	\$0.0	\$48.0	\$20.0		\$106.3
Community Based Initiatives - C&I	\$9.8	\$28.1	\$28.1	\$0.0	\$0.0		\$66.1
Finance Costs	\$0.0	\$0.0	\$5,216.7	\$0.0	\$0.0		\$5,216.7
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2,092.2	\$2,092.2
Subtotal - Commercial & Industrial	\$1,204.8	\$909.7	\$34,217.4	\$6,331.2	\$1,510.1	\$2,092.2	\$46,265.4
Regulatory							
OER	\$893.7	\$0.0	\$0.0	\$0.0	\$0.0		\$893.7
EERMC	\$893.7	\$0.0	\$0.0	\$0.0	\$0.0		\$893.7
Subtotal - Regulatory	\$1,787.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,787.4
Grand Total	\$4,453.9	\$3,396.2	\$83,764.7	\$12,085.8	\$2,328.8	\$5,054.4	\$111,083.9
System Reliability Procurement							\$81.2

Notes:

- (1) 2019 Large Commercial Retrofit Commitments (\$000):
- (2) For more information on Finance Costs, please refer to the 2020 C&I Program Description, Attachment 2.
- (3) OER and EERMC total 2.0% of customers' EE Program Charge collected on Table E-1, minus 2%.
\$0 is included in 2020 OER budget for Evaluation and Market Research to comply with Senate Bill 2500, enacted in June 2018. The law requires the OER to hire an energy consulting company or firm to review and confirm reported energy savings.
- (4) Finance Costs include a \$5.21 million transfer to the Rhode Island Infrastructure Bank Efficient Buildings Fund. Finance Costs are detailed in Table E-10.
- (5) System Reliability funds are included for illustrative purposes. They are part of the 2020 System Reliability Procurement Report, filed as a separate docket.
- (6) Rebates and Other Customer Incentives are broken into two columns in order to show the values used in the secondary shareholder incentive mechanism in table E-9
- (7) 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.

Table E-3
National Grid
Derivation of the 2020 Spending and Implementation Budgets (\$000)

	Proposed 2020 Budget From E-2	Commitments	Regulatory Costs	Performance Incentive	Eligible Sector Spending Budget for Performance Incentive on E-9	Implementation Expenses for Cost- Effectiveness on E-5
Non-Income Eligible Residential						
Residential New Construction	\$973.5					\$973.5
ENERGY STAR@ HVAC	\$2,525.1					\$2,525.1
EnergyWise	\$15,692.2					\$15,692.2
EnergyWise Multifamily	\$2,804.3					\$2,804.3
ENERGY STAR@ Lighting	\$15,375.8					\$15,375.8
Residential Consumer Products	\$2,199.2					\$2,199.2
Home Energy Reports	\$2,728.1					\$2,728.1
Residential ConnectedSolutions	\$461.6					\$461.6
Energy Efficiency Education Programs	\$40.0					\$40.0
Residential Pilots	\$287.8					\$287.8
Community Based Initiatives - Residential	\$203.9					\$203.9
Comprehensive Marketing - Residential	\$382.3					\$382.3
Residential Performance Incentive	\$2,142.5			\$2,142.5		\$0.0
Subtotal - Non-Income Eligible Residential	\$45,816.3	\$0.0	\$0.0	\$2,142.5	\$42,849.3	\$43,673.8
Income Eligible Residential						
Single Family - Income Eligible Services	\$12,846.1					\$12,846.1
Income Eligible Multifamily	\$3,549.0					\$3,549.0
Income Eligible Performance Incentive	\$819.8			\$819.8		\$0.0
Subtotal - Income Eligible Residential	\$17,214.9	\$0.0	\$0.0	\$819.8	\$16,395.1	\$16,395.1
Commercial & Industrial						
Large Commercial New Construction	\$5,335.7	\$0.0				\$5,335.7
Large Commercial Retrofit	\$23,801.3	\$0.0				\$23,801.3
Small Business Direct Install	\$7,568.6	\$0.0				\$7,568.6
Commercial ConnectedSolutions	\$2,078.5					\$2,078.5
Commercial Pilots	\$106.3					\$106.3
Community Based Initiatives - C&I	\$66.1					\$66.1
Finance Costs	\$5,216.7					\$5,216.7
Commercial & Industrial Performance Incentive	\$2,092.2			\$2,092.2		\$0.0
Subtotal - Commercial & Industrial	\$46,265.4	\$0.0	\$0.0	\$2,092.2	\$41,844.5	\$44,173.2
Regulatory						
OER	\$893.7		\$893.7			\$893.7
EERM	\$893.7		\$893.7			\$893.7
Subtotal - Regulatory	\$1,787.4	\$0.0	\$1,787.4	\$0.0	\$0.0	\$1,787.4
Grand Total	\$111,083.9	\$0.0	\$1,787.4	\$5,054.4	\$101,089.0	\$106,029.5

Notes:

- (1) Eligible Sector Spending Budget for Performance Incentive (Core Mechanism) on E-9 = 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.
- (4) Finance Costs include a \$5.21 million transfer to the Rhode Island Infrastructure Bank Efficient Buildings Fund. Finance Costs are detailed in Table E-10.

Table E-4
National Grid
Proposed 2020 Budget Compared to Approved 2019 Budget (\$000)

	Proposed Implementation Budget 2020	Approved Implementation Budget 2019	Difference
Non-Income Eligible Residential			
Residential New Construction	\$973.5	\$858.6	\$114.8
ENERGY STAR® HVAC	\$2,525.1	\$2,724.0	-\$198.8
EnergyWise	\$15,692.2	\$15,777.5	-\$85.3
EnergyWise Multifamily	\$2,804.3	\$3,064.9	-\$260.5
ENERGY STAR® Lighting	\$15,375.8	\$14,968.2	\$407.6
Residential Consumer Products	\$2,199.2	\$2,124.5	\$74.7
Home Energy Reports	\$2,728.1	\$2,641.2	\$86.9
Residential ConnectedSolutions	\$461.6	\$283.1	\$178.5
Energy Efficiency Education Programs	\$40.0	\$40.0	\$0.0
Residential Pilots	\$287.8	\$222.7	\$65.1
Community Based Initiatives - Residential	\$203.9	\$121.5	\$82.4
Comprehensive Marketing - Residential	\$382.3	\$556.5	-\$174.2
Subtotal - Non-Income Eligible Residential	\$43,673.8	\$43,382.8	\$291.0
Income Eligible Residential			
Single Family - Income Eligible Services	\$12,846.1	\$11,694.7	\$1,151.4
Income Eligible Multifamily	\$3,549.0	\$3,382.9	\$166.1
Subtotal - Income Eligible Residential	\$16,395.1	\$15,077.6	\$1,317.5
Commercial & Industrial			
Large Commercial New Construction	\$5,335.7	\$5,036.1	\$299.6
Large Commercial Retrofit	\$23,801.3	\$21,356.5	\$2,444.8
Small Business Direct Install	\$7,568.6	\$8,712.8	-\$1,144.2
Commercial ConnectedSolutions	\$2,078.5	\$2,024.1	\$54.3
Community Based Initiatives - C&I	\$66.1	\$40.1	\$26.0
Commercial Pilots	\$106.3	\$197.9	-\$91.7
Finance Costs	\$5,216.7	\$5,000.0	\$216.7
Subtotal Commercial & Industrial	\$44,173.2	\$42,367.7	\$1,805.5
Regulatory			
EERMC	\$893.7	\$783.6	\$110.1
OER	\$893.7	\$989.8	-\$96.1
Subtotal Regulatory	\$1,787.4	\$1,773.4	\$14.0
TOTAL IMPLEMENTATION BUDGET	\$106,029.5	\$102,601.5	\$3,428.0
OTHER EXPENSE ITEMS			
Commitments	\$0.0	\$0.0	\$0.0
Company Incentive	\$5,054.4	\$4,905.0	\$149.4
Subtotal - Other Expense Items	\$5,054.4	\$4,905.0	\$149.4
TOTAL BUDGET	\$111,083.9	\$107,506.5	\$3,577.4

Notes:

- (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 Single Family - Income Eligible Services budget increase is driven by a 10% increase in the number of home assessments and associated measures.
- (4) The Large Commercial Retrofit budget increase is due to a higher cost of savings from the 2019 Annual Plan.
- (5) The Small Business Direct Install budget decrease is due to a net decrease in MWh savings from the 2020 Annual Plan.

Table E-5
National Grid
Calculation of 2020 Program Year Cost-Effectiveness
All Dollar Values in (\$000)

	RI Test Benefit/ Cost ¹	Total Benefit	Program Implementation Expenses ²	Customer Contribution	Shareholder Incentive	¢/Lifetime kWh
Non-Income Eligible Residential						
Residential New Construction	2.65	\$ 4,712.9	\$ 973.5	\$ 807.8		11.2
ENERGY STAR® HVAC	2.58	\$ 8,813.6	\$ 2,525.1	\$ 892.6		10.1
EnergyWise	2.23	\$ 38,682.0	\$ 15,692.2	\$ 1,659.1		77.8
EnergyWise Multifamily	2.79	\$ 9,296.8	\$ 2,804.3	\$ 532.0		11.4
Home Energy Reports	2.82	\$ 7,701.1	\$ 2,728.1	\$ -		11.7
ENERGY STAR® Lighting	6.05	\$ 62,401.2	\$ 15,375.8	\$ (5,069.1)		5.3
Residential Consumer Products	2.97	\$ 9,942.9	\$ 2,199.2	\$ 1,151.4		10.5
Residential ConnectedSolutions	3.68	\$ 1,697.1	\$ 461.6	\$ -		N/A
Energy Efficiency Education Programs			\$ 40.0			
Residential Pilots			\$ 287.8			
Community Based Initiatives - Residential			\$ 203.9			
Comprehensive Marketing - Residential			\$ 382.3			
Non-Income Eligible Residential SUBTOTAL	3.13	\$ 143,247.5	\$ 43,673.8	\$ (26.3)	\$ 2,142.5	12.4
Income Eligible Residential						
Single Family - Income Eligible Services	2.75	\$ 35,325.5	\$ 12,846.1	\$ -		28.1
Income Eligible Multifamily	2.33	\$ 8,286.5	\$ 3,549.0	\$ -		11.1
Income Eligible Residential SUBTOTAL	2.53	\$ 43,612.0	\$ 16,395.1	\$ -	\$ 819.8	21.1
Commercial & Industrial						
Large Commercial New Construction	7.00	\$ 43,816.6	\$ 5,335.7	\$ 920.2		4.2
Large Commercial Retrofit	8.01	\$ 303,474.8	\$ 23,801.3	\$ 14,065.2		4.6
Small Business Direct Install	3.75	\$ 37,514.2	\$ 7,568.6	\$ 2,439.0		7.9
Commercial ConnectedSolutions	13.01	\$ 27,031.2	\$ 2,078.5	\$ -		N/A
Commercial Pilots			\$ 106.3			
Community Based Initiatives - C&I			\$ 66.1			
Finance Costs			\$ 5,216.7			
C&I SUBTOTAL	6.47	\$ 411,836.8	\$ 44,173.2	\$ 17,424.4	\$ 2,092.2	5.6
Regulatory						
OER			\$ 893.7			
EERMC			\$ 893.7			
Regulatory SUBTOTAL			\$ 1,787.4			
TOTAL	4.66	\$ 598,696.3	\$ 106,029.5	\$ 17,398.1	\$ 5,054.4	8.1

Notes:

(1) RI Test B/C Test = (Energy + Capacity + Resource Benefits+Economic Benefits + Carbon Benefits) / (Program Implementation + Customer Contribution + Performance Incentive)

Also includes effects of free-ridership and spillover.

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

(3) ENERGY STAR® Lighting customer cost is negative due to a high free-ridership rate. Any financial incentives paid to free-riders are counted as a cost because the Company incurred those costs as part of the overall cost of the Plan regardless of whether the participant is free-rider or not. Therefore the Company reduces benefits and the customer cost by the net-to-gross ratio but not the incentives.

Table E-5A
National Grid
Calculation of 2020 Program Year Cost-Effectiveness with TRC Test
All Dollar Values in (\$000)

	TRC Benefit/ Cost¹	Total Benefit	Program Implementation Expenses²	Customer Contribution	Shareholder Incentive	¢/Lifetime kWh
Non-Income Eligible Residential						
Residential New Construction	1.62	\$ 2,894.2	\$ 973.5	\$ 807.8		11.2
ENERGY STAR® HVAC	1.18	\$ 4,021.3	\$ 2,525.1	\$ 892.6		10.1
EnergyWise	1.13	\$ 19,651.6	\$ 15,692.2	\$ 1,659.1		77.8
EnergyWise Multifamily	1.49	\$ 4,964.2	\$ 2,804.3	\$ 532.0		11.4
Home Energy Reports	1.54	\$ 4,203.2	\$ 2,728.1	\$ -		11.7
ENERGY STAR® Lighting	3.27	\$ 33,670.0	\$ 15,375.8	\$ (5,069.1)		5.3
Residential Consumer Products	1.67	\$ 5,610.3	\$ 2,199.2	\$ 1,151.4		10.5
Residential ConnectedSolutions	3.68	\$ 1,697.1	\$ 461.6			
Energy Efficiency Education Programs			\$ 40.0			
Residential Pilots			\$ 287.8			
Community Based Initiatives - Residential			\$ 203.9			
Comprehensive Marketing - Residential			\$ 382.3			
Non-Income Eligible Residential SUBTOTAL	1.68	\$ 76,711.9	\$ 43,673.8	\$ (26.3)	\$ 2,142.5	12.4
Income Eligible Residential						
Single Family - Income Eligible Services	1.69	\$ 21,729.2	\$ 12,846.1	\$ -		28.1
Income Eligible Multifamily	1.03	\$ 3,644.0	\$ 3,549.0	\$ -		11.1
Income Eligible Residential SUBTOTAL	1.47	\$ 25,373.2	\$ 16,395.1	\$ -	\$ 819.8	21.1
Commercial & Industrial						
Large Commercial New Construction	3.65	\$ 22,855.9	\$ 5,335.7	\$ 920.2		4.2
Large Commercial Retrofit	3.90	\$ 147,525.3	\$ 23,801.3	\$ 14,065.2		4.6
Small Business Direct Install	1.94	\$ 19,379.9	\$ 7,568.6	\$ 2,439.0		7.9
Commercial ConnectedSolutions	13.01	\$ 27,031.2	\$ 2,078.5			
Commercial Pilots			\$ 106.3			
Community Based Initiatives - C&I			\$ 66.1			
Finance Costs			\$ 5,216.7			
C&I SUBTOTAL	3.40	\$ 216,792.2	\$ 44,173.2	\$ 17,424.4	\$ 2,092.2	5.6
Regulatory						
OER			\$ 893.7			
EERMC			\$ 893.7			
Regulatory SUBTOTAL			\$ 1,787.4			
TOTAL	2.48	\$ 318,877.3	\$ 106,029.5	\$ 17,398.1	\$ 5,054.4	8.1

Notes:

- (1) TRC B/C Test = (Energy + Capacity + Resource Benefits) / (Program Implementation + Customer Contribution + Performance Incentive)
Also includes effects of free-ridership and spillover.
- (2) For Implementation Expenses derivation, see Table E-3.
- (3) ENERGY STAR® Lighting customer cost is negative due to a high free-ridership rate. Any financial incentives paid to free-riders are counted as a cost because the Company incurred those costs as part of the overall cost of the Plan regardless of whether the participant is free-rider or not. Therefore the Company reduces benefits and the customer cost by the net-to-gross ratio but not the incentives.

Table E-6
National Grid
Summary of 2020 Benefits by Program (Energy Efficiency Measures)

	Benefits (000's)																	
	Total	Capacity					Energy					Non Electric				Societal		
		Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter		Summer		Energy DRIPE	Natural Gas	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
						Peak	Off Peak	Peak	Off Peak									
Non-Income Eligible Residential																		
Residential New Construction	\$4,713	\$97	\$70	\$120	\$105	\$0	\$98	\$140	\$405	\$257	\$296	\$0	\$156	\$1,113	\$36	\$433	\$23	\$1,363
ENERGY STAR® HVAC	\$8,814	\$112	\$89	\$144	\$126	\$0	\$911	\$897	\$140	\$104	\$858	\$517	\$60	-\$13	\$78	\$1,130	\$77	\$3,586
EnergyWise	\$38,682	\$471	\$790	\$572	\$498	\$4	\$407	\$347	\$297	\$220	\$757	\$0	\$14,213	\$265	\$810	\$3,943	\$494	\$14,594
EnergyWise Multifamily	\$9,297	\$268	\$336	\$350	\$305	\$2	\$272	\$224	\$191	\$138	\$547	\$0	\$582	\$33	\$1,717	\$538	\$37	\$3,758
Home Energy Reports	\$7,701	\$358	\$1,100	\$346	\$302	\$9	\$545	\$427	\$202	\$141	\$772	\$0	\$0	\$0	\$0	\$738	\$32	\$2,728
ENERGY STAR® Lighting	\$62,401	\$2,454	\$5,845	\$3,379	\$2,944	\$29	\$4,667	\$3,640	\$1,968	\$1,285	\$10,259	-\$2,026	-\$2,581	-\$959	\$2,768	\$4,244	\$40	\$24,448
Residential Consumer Products	\$9,943	\$414	\$673	\$570	\$497	\$3	\$605	\$578	\$350	\$304	\$1,434	\$15	\$35	\$132	\$0	\$946	\$44	\$3,343
Non-Income Eligible Residential SUBTOTAL	\$141,550	\$4,174	\$8,902	\$5,482	\$4,776	\$48	\$7,505	\$6,254	\$3,553	\$2,449	\$14,920	-\$1,495	\$12,464	\$572	\$5,409	\$11,972	\$746	\$53,818
Income Eligible Residential																		
Single Family - Income Eligible Services	\$35,326	\$551	\$533	\$709	\$618	\$3	\$913	\$869	\$460	\$411	\$1,247	\$109	\$4,546	\$389	\$10,371	\$2,335	\$214	\$11,048
Income Eligible Multifamily	\$8,286	\$100	\$145	\$136	\$118	\$1	\$229	\$180	\$95	\$64	\$385	\$0	\$509	\$22	\$1,660	\$390	\$29	\$4,223
Income Eligible Residential SUBTOTAL	\$43,612	\$651	\$678	\$845	\$736	\$3	\$1,143	\$1,049	\$556	\$475	\$1,632	\$109	\$5,055	\$411	\$12,031	\$2,725	\$243	\$15,271
Commercial & Industrial																		
Large Commercial New Construction	\$43,817	\$1,410	\$1,115	\$1,809	\$1,576	\$6	\$3,125	\$2,059	\$2,163	\$1,189	\$3,717	\$414	\$0	\$0	\$4,274	\$4,154	\$213	\$16,594
Large Commercial Retrofit	\$303,475	\$12,620	\$13,996	\$16,735	\$14,580	\$71	\$16,169	\$12,454	\$11,828	\$7,032	\$26,128	-\$6,687	\$0	\$73	\$22,525	\$19,723	\$584	\$135,643
Small Business Direct Install	\$37,514	\$1,147	\$1,270	\$1,536	\$1,339	\$6	\$2,605	\$1,407	\$2,224	\$1,006	\$4,359	-\$890	\$0	\$0	\$3,371	\$3,128	\$96	\$14,910
C&I SUBTOTAL	\$384,806	\$15,178	\$16,380	\$20,080	\$17,494	\$83	\$21,899	\$15,921	\$16,215	\$9,227	\$34,204	-\$7,163	\$0	\$73	\$30,169	\$27,005	\$893	\$167,147
TOTAL	\$569,968	\$20,002	\$25,961	\$26,408	\$23,006	\$135	\$30,546	\$23,225	\$20,324	\$12,151	\$50,756	-\$8,549	\$17,519	\$1,056	\$47,609	\$41,701	\$1,881	\$236,236

Table E-6A
National Grid
Summary of 2020 Impacts by Program (Energy Efficiency Measures)

	Electric Energy Savings												Gas Saved		Oil Saved		Propane Saved		Total Net Savings	
	Load Reduction in kW		MWh		MMBtu		MMBtu		MMBtu		MMBtu		MMBtu (Incl. Delivered Fuel Carveout)							
	Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime						
Non-Income Eligible Residential																				
Residential New Construction	74	238	870	15,846	2,968	54,066	-	-	271	6,768	1,405	35,116	4,643	95,950						
ENERGY STAR® HVAC	94	271	2,233	33,961	7,619	115,877	3,686	55,387	145	2,631	(32)	(415)	11,418	173,478						
EnergyWise	967	1,199	6,082	22,310	20,751	76,123	-	-	34,252	626,672	554	7,942	55,557	710,737						
EnergyWise Multifamily	364	360	2,793	29,344	9,529	100,122	-	-	1,235	25,475	-	-	10,763	125,597						
Home Energy Reports	3,195	4,938	23,239	23,239	79,292	79,292	-	-	-	-	-	-	79,292	79,292						
ENERGY STAR® Lighting	6,201	7,468	38,093	195,647	129,972	667,547	(42,793)	(213,966)	(26,012)	(130,058)	(6,713)	(33,563)	54,455	289,960						
Residential Consumer Products	714	604	4,768	32,041	16,268	109,322	87	1,598	76	1,520	461	3,226	16,892	115,666						
Non-Income Eligible Residential SUBTOTAL	11,609	15,077	78,077	352,388	266,399	1,202,348	(39,020)	(156,981)	9,966	533,009	(4,325)	12,305	233,021	1,590,682						
Income Eligible Residential																				
Single Family - Income Eligible Services	566	524	3,755	45,723	12,813	156,007	1,123	13,533	10,501	199,986	50	702	24,487	370,229						
Income Eligible Multifamily	155	241	2,392	31,899	8,161	108,841	-	-	1,119	22,304	-	-	9,280	131,145						
Income Eligible Residential SUBTOTAL	721	764	6,147	77,623	20,974	264,848	1,123	13,533	11,619	222,290	50	702	33,767	501,374						
Commercial & Industrial																				
Large Commercial New Construction	1,183	793	9,828	147,913	33,534	504,679	3,080	48,722	-	-	-	-	36,614	553,402						
Large Commercial Retrofit	14,933	17,538	72,871	823,828	248,634	2,810,899	(62,296)	(786,102)	-	-	-	-	186,338	2,024,798						
Small Business Direct Install	1,347	1,152	11,500	126,066	39,236	430,137	(9,503)	(104,048)	-	-	-	-	29,733	326,089						
C&I SUBTOTAL	17,463	19,483	94,198	1,097,807	321,404	3,745,716	(68,719)	(841,428)	-	-	-	-	252,686	2,904,288						
TOTAL	29,793	35,324	178,423	1,527,817	608,778	5,212,912	(106,616)	(984,875)	21,586	755,299	(4,275)	13,007	519,473	4,996,344						

Notes:

- (1) Column "MWh (Delivered Fuel Carveout)" shows the MWh savings attributable to certain delivered fuel measures from the programs ENERGY STAR® HVAC, EnergyWise, and Single Family - Income Eligible Services. These savings are not counted towards the program level or overall annual MWh goals, but rather are included as the separate delivered fuel goal.
- (2) Column "Total Net Savings MMBtu (Incl. Delivered Fuel Carveout)" is the total net MMBtu savings, including all electric energy savings converted to MMBtu and savings from gas, oil, and propane. This column is included to track the total all-fuels savings for all programs in the electric portfolio.
- (3) Column "Total Net Savings MMBtu (Delivered Fuel Carveout Measures Only)" indicates the total net MMBtu savings including electric energy savings, gas, oil, and propane for only the measures and programs that are included in the Delivered Fuel Performance Incentive Carveout. The savings in this column is used in the Delivered Fuel Performance Incentive Carveout calculation in Table E-9

**Table E-7
National Grid
Comparison of 2020 and 2019 Goals and Tracking**

	Proposed 2020 Goal			Proposed 2020 Tracking		Approved 2019			Difference		
	Annual Electric Energy Savings (MWh)	Annual Summer Demand Savings (kW)	Active Demand Response (kW)	Total Net Lifetime Energy Savings (MMBtu)	Planned Unique Participants	Annual Electric Energy Savings (MWh)	Annual Summer Demand Savings (kW)	Active Demand Response (kW)	Annual Summer Demand Savings (kW)	Annual Energy Savings (MWh)	Demand Response (kW)
Non-Income Eligible Residential											
Residential New Construction	870	74		95,950	352	756	112		-37	113	
ENERGY STAR® HVAC	2,233	94		173,478	1,992	2,710	590		-496	-477	
EnergyWise	6,082	967		710,737	11,000	8,182	1,287		-320	-2,100	
EnergyWise Multifamily	2,793	364		125,597	4,000	3,593	283		81	-801	
Home Energy Reports	23,239	3,195		79,292	323,248	24,130	4,278		-1,082	-891	
ENERGY STAR® Lighting	38,093	6,201		289,960	256,082	48,381	6,681		-481	-10,288	
Residential Consumer Products	4,768	714		115,666	26,905	3,925	668		46	843	
Residential ConnectedSolutions			1,672					1,564			108
Non-Income Eligible Residential SUBTOTAL	78,077	11,609	1,672	1,590,682	623,580	91,677	13,898	1,564	-2,289	-13,600	108
Income Eligible Residential											
Single Family - Income Eligible Services	3,755	566		370,229	3,300	3,742	815		-250	13	
Income Eligible Multifamily	2,392	155		131,145	4,800	3,219	223		-68	-827	
Income Eligible Residential SUBTOTAL	6,147	721		501,374	8,100	6,961	1,039		-318	-814	
Commercial & Industrial											
Large Commercial New Construction	9,828	1,183		553,402	108	10,863	1,409		-226	-1,035	
Large Commercial Retrofit	72,871	14,933		2,024,798	2,669	73,013	12,558		2,375	-142	
Small Business Direct Install	11,500	1,347		326,089	693	12,163	1,213		134	-663	
Commercial ConnectedSolutions			49,000					34,300			14,700
C&I SUBTOTAL	94,198	17,463	49,000	2,904,288	3,470	96,038	15,180	34,300	2,283	-1,840	14,700
TOTAL	178,423	29,793	50,672	4,996,344	635,150	194,677	30,117	35,864	-324	-16,254	14,808

Notes:

- (1) Planned 2020 participation takes into account net-to-gross and estimates unique participation by taking into account 2018 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, ENERGY STAR® Lighting and Home Energy Reports, therefore the population reached can be more than 100%.

**Table E-9
National Grid
2020 Targeted Performance Incentive**

Energy Incentive Rate:		3.500%					
Sector	(1) Spending Budget \$(000)	(2) Target Incentive \$(000)	(3) Annual MWh Savings Target	(4) Threshold MWh Savings	(5) Target Incentive Per MWh	(6) Maximum MWh Savings (Earnings)	(7) Maximum Incentive \$(000)
Income Eligible Residential	\$16,395	\$573.8	6,147	4,610	\$93.3	7,684	\$717
Non-Income Eligible Residential	\$42,849	\$1,499.7	78,077	58,558	\$19.2	97,596	\$1,875
Commercial & Industrial	\$41,845	\$1,464.6	94,198	70,649	\$15.5	117,748	\$1,831
Total	\$101,089	\$3,538.1	178,423	133,817	\$19.8	223,028	\$4,423

Demand Incentive Rate:		1.500%					
Sector	(8) Spending Budget \$(000)	(9) Target Incentive \$(000)	(10) Annual kW Savings Target	(11) Threshold kW Savings	(12) Target Incentive Per kW	(13) Maximum Annual kW Savings (Earning)	(14) Maximum Incentive \$(000)
Income Eligible Residential	\$16,395	\$245.9	721	541	\$341.2	901	\$307
Non-Income Eligible Residential	\$42,849	\$642.7	11,609	8,707	\$55.4	14,512	\$803
Commercial & Industrial	\$41,845	\$627.7	17,463	13,097	\$35.9	21,829	\$785
Total	\$101,089	\$1,516.3	29,793	22,345	\$50.9	37,242	\$1,895

Notes

- (1) (8) Eligible Spending Budget excludes Commitments, Regulatory Costs, Pilots, Assessments, Residential ConnectedSolutions, Commercial ConnectedSolutions, Performance Incentive. See Column 6 in Table E-3 for details.
- (2) Equal to the incentive rate (3.5%) x Column (1).
- (3) Equal to the MWh for each sector as in Table E-6a
- (4) and (11) 75% of Column (3) and (8), respectively. No incentive is earned on annual MWh or annual kW in the sector unless the Company achieves at least this threshold level of performance.
- (5) Column (2)*1000/Column (3). This illustration is for achieved savings equal to the savings target. The incentive earned per annual MWh will vary with the percent of the savings target achieved.
- (6) and (13) 125% of (3) and (10), respectively. The maximum savings at which the Company can earn 6.25% of (1) and (8).
- (7) and (14) The maximum incentive that the Company would earn at savings levels in (6) and (13).
- (9) Equal to the incentive rate (1.5%) x Column (8).
- (10) Equal to the kW for each sector as in Table E-6a.
- (12) Column (9)*1000/Column (10). This illustration is for achieved savings equal to the savings target. The incentive earned per kW will vary with the percent of the savings target achieved. The Performance Incentive for Energy (MWh) and Demand (kW) incentives will be calculated as follows, where SB is the Spending Budget in the sector:
- From 75% of savings to 100% of savings: Performance Incentive = SB x (1.25% + (% of Savings Achieved - 75%) x 0.15)
 - x 0.7 for electric energy savings
 - x 0.3 for electric demand savings
 - From 100% of savings to 125% of savings: Performance Incentive = SB x (5.00% + (% of Savings Achieved - 100%) x 0.05)
 - x 0.7 for electric energy savings
 - x 0.3 for electric demand savings

Table E-11
National Grid
Rhode Island Electric Energy Efficiency 2003 - 2020
\$(000)

Electric	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ⁽⁴⁾	2014	2015	2016	2017	2018	2019 ⁽⁵⁾	2020 ⁽⁶⁾
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
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
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	-	-
Incentive Percentage	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%
Target Incentive ⁽⁹⁾	\$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
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		
Annual Summer Demand kW Savings Goal Achieved (%)				106%	106%	113%	142%	78%	71%	83%	114%	78%	112%	101%	103%	116%		
Annual MWh Energy Savings Goal Achieved (%)				111%	102%	111%	115%	107%	94%	93%	99%	105%	115%	107%	115%	110%		
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
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
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

Notes:

- (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, Copays, and Outside Finance Costs. Beginning in 2017, Outside Finance Costs were also included. Beginning in 2018 Pilot expenses were also excluded. Beginning in 2019 ConnectedSolutions 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 docket 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) 2019 values are planned.
- (6) 2020 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
- (8) Reflects the annual cost excluding Gross Earnings Tax.
- (9) Reflects the annual cost including Gross Earnings Tax.

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

December 20, 2019

Date

**Docket No. 4979 - National Grid – 2020 Energy Efficiency Plan (EEP)
Service list updated 10/30/2019**

Name/Address	E-mail Distribution List	Phone
National Grid Raquel Webster, Esq. National Grid 280 Melrose St. Providence, RI 02907	Raquel.webster@nationalgrid.com;	781-907-2121
	Joanne.scanlon@nationalgrid.com;	
	Celia.obrien@nationalgrid.com;	
	Matthew.Chase@nationalgrid.com;	
	Timothy.Roughan@nationalgrid.com;	
	John.richards@nationalgrid.com;	
	Christopher.porter@nationalgrid.com;	
Division of Public Utilities and Carriers Jon Hagopian, Esq.	Jon.hagopian@dpuc.ri.gov;	401-784-4775
	Jonathan.Schrag@dpuc.ri.gov;	
	john.bell@dpuc.ri.gov;	
	Ronald.Gerwatowski@dpuc.ri.gov;	
	Joel.munoz@dpuc.ri.gov;	
Tim Woolf Jennifer Kallay Synapse Energy Economics 22 Pearl Street Cambridge, MA 02139	twoolf@synapse-energy.com;	
	jkallay@synapse-energy.com;	
RI EERMC Marisa Desautel, Esq. Office of Marisa Desautel, LLC 55 Pine St. Providence, RI 02903 Mike Guerard, Optimal Energy	marisa@desautelesq.com;	401-477-0023
	guerard@optenergy.com;	
	ross@optenergy.com;	
	kravatz@optenergy.com;	
Acadia Center Erika Niedowski 31 Milk Street Suite 501 Boston, MA 02108	ENiedowski@acadiacenter.org;	617-742-0054 Ext. 104
Office of Energy Resources (OER)	Andrew.Marcaccio@doa.ri.gov;	401-222-8880

Andrew Marcaccio, Esq. Daniel Majcher, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908 Carol Grant, Commissioner	daniel.majcher@doa.ri.gov ;	
	Nancy.Russolino@doa.ri.gov ;	
	Carol.grant@energy.ri.gov ;	
	Christopher.Kearns@energy.ri.gov ;	
	Nicholas.Ucci@energy.ri.gov ;	
	Becca.Trietch@energy.ri.gov ;	
	Carrie.Gill@energy.ri.gov ;	
	Nathan.Cleveland@energy.ri.gov ;	
Green Energy Consumers Alliance Larry Chretien, Executive Director Kai Salem	Larry@massenergy.org ; kai@greenenergyconsumers.org ;	
TEC-RI Doug Gablinske, Executive Director The Energy Council of RI	doug@tecri.org ;	
Original & 9 copies file w/: Luly E. Massaro, Commission Clerk John Harrington, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ; Cynthia.WilsonFrias@puc.ri.gov ; John.Harrington@puc.ri.gov ; Alan.nault@puc.ri.gov ; Todd.bianco@puc.ri.gov ; Sharon.ColbyCamara@puc.ri.gov ; Margaret.hogan@puc.ri.gov ;	401-780-2107
Frederick Sneesby Dept. of Human Services	Frederick.sneesby@dhs.ri.gov ;	
Chris Vitale, Esq., RI Infrastructure Bank	cvitale@hvlawltd.com ;	