

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

	Income Eligible Residential	<u>Projections by Sector</u> Non-Income Eligible Residential	Commercial & Industrial	Total
(1) Projected Budget (from E-2):	\$17,274.86	\$46,834.53	\$47,308.92	\$111,418.32
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	(\$10,499.51)	\$10,343.44	-\$156.06
(4) Projected FCM Payments from ISO-NE:	\$515.40	\$6,750.90	\$10,215.40	\$17,481.76
(5) Total Other Funding:	\$515.40	(\$3,748.61)	\$20,558.84	\$17,325.70
(6) Customer Funding Required:	\$16,759.46	\$50,583.14	\$26,750.08	\$94,092.62
(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:				\$0.01322
(9) Proposed System Reliability Factor per kWh, excluding uncollectible recovery:				<u>\$0.00015</u>
(10) Total Proposed Energy Efficiency Charge per kWh, excluding uncollectible recovery:				\$0.01337
(11) Currently Effective Uncollectible Rate				1.30%
(12) Energy Efficiency Program charge per kWh, including uncollectible recovery:				\$0.01354
(13) Currently Effective EE Charge				<u>\$0.01121</u>
(14) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00233

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(ii) of the Plan's Main Text.
- (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	\$537.19	\$326.0	\$50.1		\$973.5
ENERGY STAR® HVAC	\$70.0	\$252.0	\$2,063.86	\$375.6	\$21.7		\$2,783.2
EnergyWise	\$345.8	\$393.5	\$13,751.28	\$1,023.7	\$170.3		\$15,684.5
EnergyWise Multifamily	\$79.3	\$43.1	\$2,190.00	\$405.1	\$103.0		\$2,820.5
ENERGY STAR® Lighting	\$338.3	\$577.4	\$13,917.85	\$418.7	\$123.5		\$15,375.7
Residential Consumer Products	\$62.5	\$519.1	\$1,093.92	\$519.4	\$4.2		\$2,199.1
Home Energy Reports	\$73.8	\$10.6	\$2,540.73	\$10.1	\$92.9		\$2,728.1
Residential ConnectedSolutions	\$13.3	\$0.2	\$317.68	\$145.3	\$0.0		\$476.5
Energy Efficiency Education Programs	\$0.0	\$40.0	\$0.0	\$0.0	\$0.0		\$40.0
Residential Pilots	\$10.8	\$26.0	\$190.00	\$44.0	\$17.0		\$287.8
Community Based Initiatives - Residential	\$29.5	\$90.0	\$84.38	\$0.0	\$0.0		\$203.9
Comprehensive Marketing - Residential	\$2.4	\$379.9	\$0.00	\$0.0	\$0.0		\$382.3
Residential Performance Incentive	\$0.0	\$0.0	\$0.00	\$0.0	\$0.0	\$2,159.5	\$2,159.5
Subtotal - Non-Income Eligible Residential	\$1,083.7	\$2,333.9	\$36,686.9	\$3,267.9	\$582.7	\$2,159.5	\$46,114.7
Income Eligible Residential							
Single Family - Income Eligible Services	\$288.3	\$143.4	\$10,165.82	\$2,133.5	\$115.1		\$12,846.1
Income Eligible Multifamily	\$92.0	\$9.1	\$2,928.00	\$403.8	\$120.9		\$3,553.9
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$820.0	\$820.0
Subtotal - Income Eligible Residential	\$380.3	\$152.5	\$13,093.8	\$2,537.3	\$236.0	\$820.0	\$17,219.9
Commercial & Industrial							
Large Commercial New Construction	\$184.6	\$315.6	\$3,136.92	\$1,236.9	\$461.5		\$5,335.5
Large Commercial Retrofit	\$719.9	\$268.2	\$17,832.39	\$4,370.17	\$846.7		\$24,037.3
Small Business Direct Install	\$234.5	\$275.5	\$6,300.00	\$296.3	\$181.9		\$7,288.1
Commercial ConnectedSolutions	\$32.3	\$2.1	\$1,715.00	\$329.1	\$0.0		\$2,078.5
Commercial Pilots	\$16.3	\$22.0	\$0.00	\$48.0	\$20.0		\$106.3
Community Based Initiatives - C&I	\$9.8	\$28.1	\$28.13	\$0.0	\$0.0		\$66.1
Finance Costs	\$0.0	\$0.0	\$5,216.67	\$0.0	\$0.0		\$5,216.7
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.00	\$0.0	\$0.0	\$2,091.2	\$2,091.2
Subtotal - Commercial & Industrial	\$1,197.4	\$911.4	\$34,229.1	\$6,280.5	\$1,510.1	\$2,091.2	\$46,219.7
Regulatory							
OER	\$932.0	\$0.0	\$0.0	\$0.0	\$0.0		\$932.0
EERMC	\$932.0	\$0.0	\$0.0	\$0.0	\$0.0		\$932.0
Subtotal - Regulatory	\$1,864.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,864.1
Grand Total	\$4,525.3	\$3,397.9	\$84,009.8	\$12,085.7	\$2,328.8	\$5,070.8	\$111,418.3
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

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	\$2,783.2					\$2,783.2
EnergyWise	\$15,684.5					\$15,684.5
EnergyWise Multifamily	\$2,820.5					\$2,820.5
ENERGY STAR® Lighting	\$15,375.7					\$15,375.7
Residential Consumer Products	\$2,199.1					\$2,199.1
Home Energy Reports	\$2,728.1					\$2,728.1
Residential ConnectedSolutions	\$476.5					\$476.5
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	\$2,159.5			\$2,159.5		\$0.0
Subtotal - Non-Income Eligible Residential	\$46,114.7	\$0.0	\$0.0	\$2,159.5	\$43,190.8	\$43,955.1
Income Eligible Residential						
Single Family - Income Eligible Services	\$12,846.1					\$12,846.1
Income Eligible Multifamily	\$3,553.9					\$3,553.9
Income Eligible Performance Incentive	\$820.0			\$820.0		\$0.0
Subtotal - Income Eligible Residential	\$17,219.9	\$0.0	\$0.0	\$820.0	\$16,399.9	\$16,399.9
Commercial & Industrial						
Large Commercial New Construction	\$5,335.5	\$0.0				\$5,335.5
Large Commercial Retrofit	\$24,037.3	\$0.0				\$24,037.3
Small Business Direct Install	\$7,288.1	\$0.0				\$7,288.1
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	\$2,091.2			\$2,091.2		\$0.0
Subtotal - Commercial & Industrial	\$46,219.7	\$0.0	\$0.0	\$2,091.2	\$41,824.8	\$44,128.4
Regulatory						
OER	\$932.0		\$932.0			\$932.0
EERMC	\$932.0		\$932.0			\$932.0
Subtotal - Regulatory	\$1,864.1	\$0.0	\$1,864.1	\$0.0	\$0.0	\$1,864.1
Grand Total	\$111,418.3	\$0.0	\$1,864.1	\$5,070.8	\$101,415.5	\$106,347.5

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, Total Eligible Sector Spending Budget on Customer Incentives for Performance Incentive (Secondary Measure), Performance Incentive (Core Mechanism), and Performance Incentive (Secondary Mechanism)
- (2) Eligible Sector Spending Budget for Performance Incentive (Secondary Mechanism) on E-9 = Rebates and Other Customer Incentives (Delivered Fuel Measures) from Table E-2
- (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	\$2,783.2	\$2,724.0	\$59.2
EnergyWise	\$15,684.5	\$15,777.5	-\$93.0
EnergyWise Multifamily	\$2,820.5	\$3,064.9	-\$244.3
ENERGY STAR® Lighting	\$15,375.7	\$14,968.2	\$407.5
Residential Consumer Products	\$2,199.1	\$2,124.5	\$74.6
Home Energy Reports	\$2,728.1	\$2,641.2	\$86.9
Residential ConnectedSolutions	\$476.5	\$283.1	\$193.4
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	\$43,955.1	\$43,382.8	\$572.4
Income Eligible Residential			
Single Family - Income Eligible Services	\$12,846.1	\$11,694.7	\$1,151.3
Income Eligible Multifamily	\$3,553.9	\$3,382.9	\$170.9
Subtotal - Income Eligible Residential	\$16,399.9	\$15,077.6	\$1,322.3
Commercial & Industrial			
Large Commercial New Construction	\$5,335.5	\$5,036.1	\$299.3
Large Commercial Retrofit	\$24,037.3	\$21,356.5	\$2,680.8
Small Business Direct Install	\$7,288.1	\$8,712.8	-\$1,424.7
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	\$44,128.4	\$42,367.7	\$1,760.8
Regulatory			
EERMC	\$932.0	\$783.6	\$148.4
OER	\$932.0	\$989.8	-\$57.8
Subtotal Regulatory	\$1,864.1	\$1,773.4	\$90.6
TOTAL IMPLEMENTATION BUDGET	\$106,347.5	\$102,601.5	\$3,746.1
OTHER EXPENSE ITEMS			
Commitments	\$0.0	\$0.0	\$0.0
Company Incentive	\$5,070.8	\$4,905.0	\$165.8
Subtotal - Other Expense Items	\$5,070.8	\$4,905.0	\$165.8
TOTAL BUDGET	\$111,418.3	\$107,506.5	\$3,911.8

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	2.60	\$ 12,663.0	\$ 2,783.2	\$ 1,965.1		25.3
EnergyWise	2.23	\$ 38,743.2	\$ 15,684.5	\$ 1,686.7		77.0
EnergyWise Multifamily	2.78	\$ 9,318.4	\$ 2,820.5	\$ 536.0		11.4
Home Energy Reports	2.82	\$ 7,701.1	\$ 2,728.1	\$ -		11.7
ENERGY STAR® Lighting	6.05	\$ 62,401.1	\$ 15,375.7	\$ (5,069.1)		5.3
Residential Consumer Products	2.97	\$ 9,942.9	\$ 2,199.1	\$ 1,151.4		10.5
Residential ConnectedSolutions	4.00	\$ 1,905.1	\$ 476.5	\$ -		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	3.11	\$ 147,387.7	\$ 43,955.1	\$ 1,077.9	\$ 2,165.5	13.3
Income Eligible Residential						
Single Family - Income Eligible Services	2.78	\$ 35,725.7	\$ 12,846.1	\$ -		31.3
Income Eligible Multifamily	2.33	\$ 8,292.2	\$ 3,553.9	\$ -		11.1
Income Eligible Residential SUBTOTAL	2.56	\$ 44,018.0	\$ 16,399.9	\$ -	\$ 820.0	22.5
Commercial & Industrial						
Large Commercial New Construction	7.00	\$ 43,815.8	\$ 5,335.5	\$ 920.2		4.2
Large Commercial Retrofit	8.00	\$ 304,819.9	\$ 24,037.3	\$ 14,065.2		4.6
Small Business Direct Install	3.80	\$ 36,961.6	\$ 7,288.1	\$ 2,439.0		7.7
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	6.48	\$ 412,628.5	\$ 44,128.4	\$ 17,424.4	\$ 2,097.2	5.6
Regulatory						
OER			\$ 932.0			
EERMC			\$ 932.0			
Regulatory SUBTOTAL			\$ 1,864.1			
TOTAL	4.64	\$ 604,034.2	\$ 106,347.5	\$ 18,502.3	\$ 5,082.7	8.3

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/ Cost ¹	Total Benefit	Program Implementation Expenses ²	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	1.46	\$ 6,952.8	\$ 2,783.2	\$ 1,965.1		25.3
EnergyWise	1.13	\$ 19,711.7	\$ 15,684.5	\$ 1,686.7		77.0
EnergyWise Multifamily	1.48	\$ 4,964.2	\$ 2,820.5	\$ 536.0		11.4
Home Energy Reports	1.54	\$ 4,203.2	\$ 2,728.1	\$ -		11.7
ENERGY STAR® Lighting	3.27	\$ 33,670.0	\$ 15,375.7	\$ (5,069.1)		5.3
Residential Consumer Products	1.67	\$ 5,610.3	\$ 2,199.1	\$ 1,151.4		10.5
Residential ConnectedSolutions	4.00	\$ 1,905.1	\$ 476.5			
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	1.69	\$ 79,911.5	\$ 43,955.1	\$ 1,077.9	\$ 2,165.5	13.3
Income Eligible Residential				\$ -		
Single Family - Income Eligible Services	1.72	\$ 22,037.3	\$ 12,846.1	\$ -		31.3
Income Eligible Multifamily	1.03	\$ 3,644.0	\$ 3,553.9	\$ -		11.1
Income Eligible Residential SUBTOTAL	1.49	\$ 25,681.3	\$ 16,399.9	\$ -	\$ 820.0	22.5
Commercial & Industrial						
Large Commercial New Construction	3.65	\$ 22,855.9	\$ 5,335.5	\$ 920.2		4.2
Large Commercial Retrofit	3.87	\$ 147,525.3	\$ 24,037.3	\$ 14,065.2		4.6
Small Business Direct Install	1.99	\$ 19,379.9	\$ 7,288.1	\$ 2,439.0		7.7
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	3.41	\$ 216,792.2	\$ 44,128.4	\$ 17,424.4	\$ 2,097.2	5.6
Regulatory						
OER			\$ 932.0			
EERMC			\$ 932.0			
Regulatory SUBTOTAL			\$ 1,864.1			
TOTAL	2.48	\$ 322,385.0	\$ 106,347.5	\$ 18,502.3	\$ 5,082.7	8.3

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 Peak	Off Peak	Summer Peak	Off Peak	Energy DRIPE	Natural Gas	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
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	\$12,663	\$204	\$151	\$260	\$226	\$1	\$463	\$504	\$82	\$60	\$509	\$517	\$3,066	\$831	\$78	\$1,433	\$156	\$4,121
EnergyWise	\$38,743	\$475	\$804	\$576	\$502	\$4	\$413	\$352	\$299	\$222	\$768	\$0	\$14,213	\$265	\$819	\$3,951	\$494	\$14,587
EnergyWise Multifamily	\$9,318	\$268	\$336	\$350	\$305	\$2	\$272	\$224	\$191	\$138	\$547	\$0	\$582	\$33	\$1,717	\$538	\$37	\$3,780
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	\$24,447
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	\$145,483	\$4,269	\$8,978	\$5,602	\$4,880	\$48	\$7,064	\$5,866	\$3,498	\$2,407	\$14,585	-\$1,495	\$15,471	\$1,416	\$5,418	\$12,283	\$825	\$54,368
Income Eligible Residential																		
Single Family - Income Eligible Services	\$35,726	\$551	\$533	\$709	\$618	\$3	\$792	\$706	\$456	\$407	\$1,146	\$109	\$5,380	\$389	\$10,240	\$2,406	\$235	\$11,048
Income Eligible Multifamily	\$8,292	\$100	\$145	\$136	\$118	\$1	\$229	\$180	\$95	\$64	\$385	\$0	\$509	\$22	\$1,660	\$390	\$29	\$4,229
Income Eligible Residential SUBTOTAL	\$44,018	\$651	\$678	\$845	\$736	\$3	\$1,021	\$885	\$551	\$471	\$1,530	\$109	\$5,889	\$411	\$11,900	\$2,796	\$264	\$15,277
Commercial & Industrial																		
Large Commercial New Construction	\$43,816	\$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	\$16,593
Large Commercial Retrofit	\$304,820	\$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	\$136,988
Small Business Direct Install	\$36,962	\$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	\$14,358
C&I SUBTOTAL	\$385,597	\$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	\$167,939
TOTAL	\$575,098	\$20,097	\$26,036	\$26,527	\$23,110	\$135	\$29,983	\$22,673	\$20,264	\$12,105	\$50,319	-\$8,549	\$21,360	\$1,900	\$47,488	\$42,084	\$1,981	\$237,584

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		MWh (Delivered Fuel Carveout)		MMBtu		MMBtu (Delivered Fuel Carveout)		MMBtu		MMBtu		MMBtu		MMBtu (Incl. Delivered Fuel Carveout)		MMBtu (Delivered Fuel Carveout Measures Only)				
	Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	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	160	179	2,069	31,011	(710)	(12,266)	7,059	105,810	(2,422)	(41,852)	3,686	55,387	7,816	135,710	1,554	26,623	17,693	281,678	6,835	118,266			
EnergyWise	985	1,226	6,046	19,273	165	3,295	20,627	65,758	562	11,241	-	-	-	-	34,252	626,672	554	7,942	55,995	711,614	24,362	487,241	
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	11,693	15,012	77,877	346,400	(545)	(8,971)	265,716	1,181,917	(1,860)	(30,611)	(39,020)	(156,981)	17,637	666,088	(2,739)	39,344	239,734	1,699,757	31,197	605,507			
Income Eligible Residential																							
Single Family - Income Eligible Services	566	459	3,589	42,631	(97)	(1,638)	12,246	145,457	(330)	(5,590)	1,123	13,533	12,547	236,814	50	702	25,636	390,916	8,580	168,518			
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	700	5,981	74,530	(97)	(1,638)	20,407	254,298	(330)	(5,590)	1,123	13,533	13,665	259,118	50	702	34,916	522,061	8,580	168,518			
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	29,877	35,195	178,056	1,518,737	(642)	(10,610)	607,528	5,181,931	(2,189)	(36,201)	(106,616)	(984,875)	31,302	925,206	(2,689)	40,046	527,336	5,126,107	39,777	774,025			

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-6B
National Grid
Summary of 2020 Demand Response Benefits and Savings

	Benefits (000's)												Load Reduction (KW)	MWh Saved	
	Total	Capacity					Energy			Non Electric	Societal		Summer	Annual	Lifetime
		Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Summer		Energy DRIPE	Non Resource	Carbon	Economic			
							Peak	Off Peak							
Non-Income Eligible Residential															
Residential ConnectedSolutions	\$1,905	\$50	\$1,082	\$189	\$165	\$23	\$0	\$0	\$0	\$0	\$0	\$395	1,746	8	8
Commercial & Industrial															
Commercial ConnectedSolutions	\$27,031	\$527	\$11,368	\$5,313	\$4,628	\$644	\$0	\$0	\$0	\$0	\$0	\$4,552	49,000	0	0
TOTAL	\$28,936	\$577	\$12,449	\$5,502	\$4,793	\$667	\$0	\$0	\$0	\$0	\$0	\$4,947	50,746	8	8

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)	Annual MMBtu (Delivered Fuel Carveout Measures Only)	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	0		95,950	668	756	112		-37	113	
ENERGY STAR® HVAC	2,069	160	6,835		281,678	1,992	2,710	590		-430	-641	
EnergyWise	6,046	985	24,362		711,614	11,000	8,182	1,287		-302	-2,136	
EnergyWise Multifamily	2,793	364	0		125,597	4,000	3,593	283		81	-801	
Home Energy Reports	23,239	3,195	0		79,292	323,248	24,130	4,278		-1,082	-891	
ENERGY STAR® Lighting	38,093	6,201	0		289,960	256,082	48,381	6,681		-481	-10,288	
Residential Consumer Products	4,768	714	0		115,666	26,905	3,925	668		46	843	
Residential ConnectedSolutions				1,746					1,564			182
Non-Income Eligible Residential SUBTOTAL	77,877	11,693	31,197	1,746	1,699,757	623,896	91,677	13,898	1,564	-2,205	-13,800	182
Income Eligible Residential												
Single Family - Income Eligible Services	3,589	566	8,580		390,916	3,300	3,742	815		-250	-153	
Income Eligible Multifamily	2,392	155	0		131,145	4,800	3,219	223		-68	-827	
Income Eligible Residential SUBTOTAL	5,981	721	8,580		522,061	8,100	6,961	1,039		-318	-980	
											0	
Commercial & Industrial											0	
Large Commercial New Construction	9,828	1,183	0		553,402	108	10,863	1,409		-226	-1,035	
Large Commercial Retrofit	72,871	14,933	0		2,024,798	2,665	73,013	12,558		2,375	-142	
Small Business Direct Install	11,500	1,347	0		326,089	693	12,163	1,213		134	-663	
Commercial ConnectedSolutions				49,000					34,300			14,700
C&I SUBTOTAL	94,198	17,463	0	49,000	2,904,288	3,466	96,038	15,180	34,300	2,283	-1,840	14,700
TOTAL	178,056	29,877	39,777	50,746	5,126,107	635,462	194,677	30,117	35,864	-240	-16,620	14,882

- 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-8
National Grid
Avoided Costs Used in 2020 Benefit-Cost Model

	Rhode Island					DRIPE for Installations in 2020				
	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Annual Market Capacity Value Weighted Avg	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Annual Market Capacity Value Weighted Avg
Units:	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kW-yr	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kW-yr
Period:										
2020	0.063	0.059	0.048	0.042	63.81	0.06	0.05	0.05	0.03	332.17
2021	0.065	0.060	0.055	0.046	51.78	0.07	0.05	0.06	0.04	59.86
2022	0.061	0.055	0.051	0.041	49.75	0.07	0.05	0.06	0.04	45.25
2023	0.062	0.056	0.048	0.038	55.76	0.06	0.04	0.05	0.03	30.06
2024	0.066	0.062	0.047	0.043	61.53	0.05	0.04	0.04	0.03	7.96
2025	0.062	0.058	0.048	0.044	69.62	0.04	0.03	0.03	0.02	176.63
2026	0.062	0.058	0.052	0.046	79.39	0.03	0.02	0.02	0.02	240.53
2027	0.066	0.062	0.050	0.043	87.81	0.01	0.01	0.01	0.01	280.05
2028	0.068	0.060	0.054	0.044	93.94	0.01	0.01	0.01	0.00	275.09
2029	0.070	0.064	0.053	0.045	100.30					
2030	0.064	0.060	0.055	0.051	95.87					
2031	0.064	0.060	0.051	0.044	93.94					
2032	0.063	0.058	0.052	0.045	100.30					
2033	0.068	0.060	0.053	0.043	95.87					
2034	0.067	0.056	0.056	0.044	93.94					
2035	0.069	0.062	0.062	0.053	100.30					
2036	0.071	0.062	0.066	0.056	101.96					
2037	0.072	0.063	0.069	0.058	103.64					
2038	0.074	0.064	0.073	0.061	105.35					
2039	0.075	0.065	0.077	0.064	107.09					
2040	0.077	0.066	0.081	0.067	108.86					
2041	0.079	0.067	0.086	0.071	110.66					
2042	0.081	0.068	0.091	0.075	112.49					
2043	0.084	0.069	0.096	0.079	114.34					
2044	0.086	0.071	0.102	0.083	116.23					
2045	0.089	0.073	0.108	0.088	118.15					
2046	0.092	0.074	0.115	0.093	120.10					
2047	0.095	0.077	0.122	0.098	122.09					
2048	0.099	0.079	0.130	0.104	124.10					
2049	0.103	0.082	0.138	0.111	126.15					
2050	0.108	0.086	0.147	0.118	128.23					

Source:
AESC 2018 Study , Appendix B, in 2018 dollars

Table E-9
National Grid
2020 Targeted Performance Incentive

Core Performance Incentive Mechanism

Energy Incentive Rate: 3.116%

	(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)
Sector							
Income Eligible Residential	\$16,400	\$511.0	5,981	4,486	\$85.4	7,476	\$639
Non-Income Eligible Residential	\$43,191	\$1,345.7	77,877	58,408	\$17.3	97,346	\$1,682
Commercial & Industrial	\$41,825	\$1,303.2	94,198	70,649	\$13.8	117,748	\$1,629
Total	\$101,416	\$3,159.9	178,056	133,542	\$17.7	222,570	\$3,950

Demand Incentive Rate: 1.335%

	(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)
Sector							
Income Eligible Residential	\$16,400	\$219.0	721	541	\$303.9	901	\$274
Non-Income Eligible Residential	\$43,191	\$576.7	11,693	8,770	\$49.3	14,616	\$721
Commercial & Industrial	\$41,825	\$558.5	17,463	13,097	\$32.0	21,829	\$698
Total	\$101,416	\$1,354.2	29,877	22,408	\$45.3	37,346	\$1,693

Delivered Fuels Performance Incentive Mechanism

Delivered Fuel Measures Incentive Rate: 0.549%

	(15) Spending Budget \$(000)	(16) Total Target Incentive \$(000)	(17) Total Target Incentive Split to Sectors	(18) Target Incentive \$(000)	(19) Net Annual All- Fuel Energy Savings Target (MMBtu)	(20) Threshold Net Annual All- Fuel Energy Savings (MMBtu)	(21) Target Incentive Per Total Net Annual Adjusted MMBtu	(22) Maximum Annual Energy Savings (Earning)	(23) Maximum Incentive \$(000)
Sector									
Income Eligible Residential	\$16,400		27.5%	\$153	8,580	4,290	\$17.9	Uncapped	Uncapped
Non-Income Eligible Residential	\$43,191		72.5%	\$403	31,197	15,598	\$12.9	Uncapped	Uncapped
Commercial & Industrial	\$41,825		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	\$101,416	\$557	100.0%	\$557	39,777	19,889	\$14.0	Uncapped	Uncapped

Notes on Core Performance Incentive Mechanism

(1) (8) and (15) 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 (3.116%) x Column (1).

(3) Equal to the MWh for each sector as in Table E-6a, reduced by MWh savings for the delivered fuel measures that are accounted for in the calculation of (19) from the EnergyStar® HVAC, EnergyWise, and Single Family - Income Eligible Services programs. Note that at the sector and total level these values differ from what is shown in Table E-6a because of the subtraction of savings attributable to the delivered fuel measures in (19).

(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 (1.335%) 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. Core Mechanism: 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 0.623 for electric energy savings
 - x 0.267 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 0.623 for electric energy savings
 - x 0.267 for electric demand savings

Notes on Delivered Fuel Performance Incentive Mechanism

(16) Equal to the incentive rate (0.549%) x Column (15) in the total row. Note that the PI target for the delivered fuels PI mechanism is set at the total level.

(17) Total Incentive Split to sectors allocates the Total Target Incentive in (16) to the Income Eligible Residential and Non-Income Eligible Residential sectors. Note that the Commercial & Industrial sector does not have a distribution factor because there are no delivered fuels measures from this sector included in this performance incentive mechanism.

(18) Equal to the Total Target Incentive (16) multiplied by the applicable Total Incentive Distribution Factor (17).

(19) Equal to the all-fuel energy savings (MMBtu) as in Table E-6a for weatherization of delivered fuel homes and electrification of heating for homes served by delivered fuels from the EnergyStar® HVAC, EnergyWise, and Single Family - Income Eligible Services programs.

(20) 50% of Column (19). No incentive is earned on annual all-fuel MMBtu in the sector unless the Company achieves at least this threshold level of performance.

(21) Column (18)*1000/Column (19). This illustration is for achieved savings equal to the savings target. The incentive earned per MMBtu will vary with the percent of the savings target achieved.

(22) and (23) Maximum savings and Performance Incentive are uncapped for the delivered fuel Performance Incentive. Delivered Fuels Mechanism: The Performance Incentive for Delivered Fuel Weatherization and Fuel-Switching Heat Pumps (MMBtu) will be calculated as follows, where SB is the Spending Budget in the sector:

- From 50% of savings to 100% of savings: Performance Incentive = SB x (1.25% + (% of Savings Achieved - 50%) x 0.075)
 - x 0.110 for electric sector delivered fuel savings
- From 100% of savings and above: Performance Incentive = SB x (5.00% + (% of Savings Achieved - 100%) x 0.05)
 - x 0.110 for electric sector delivered fuel savings

Table E-10
National Grid
Revolving Loan Fund Projections

Large C&I Revolving Loan Fund		Small Business Revolving Loan Fund	
(1) Total Loan Fund Deposits Through 2019	\$ 21,210,455	(1) Total Loan Fund Deposits Through 2019	\$ 4,518,547
(2) Current Loan Fund Balance	\$ 12,876,548	(2) Current Loan Fund Balance	\$ 3,140,048
<i>Loans Paid Year-To-Date</i>	<i>\$ 1,384,474</i>	<i>Loans Paid Year-To-Date</i>	<i>\$ 628,274</i>
<i>Repayments Year-To-Date</i>	<i>\$ 3,977,646</i>	<i>Repayments Year-To-Date</i>	<i>\$ 1,549,859</i>
(3) Projected Additional Loans by Year End 2019	\$ 9,322,696	(3) Projected Additional Loans by Year End 2019	\$ 1,100,000
(4) Projected Additional Repayments by Year End 2019	\$ 1,988,823	(4) Projected Additional Repayments by Year End 2019	\$ 774,930
(5) Projected Year End Loan Fund Balance 2019	\$ 5,542,675	(5) Projected Year End Loan Fund Balance 2019	\$ 2,814,977
(6) 2020 Fund Injection	\$ -	(6) 2020 Fund Injection	\$ -
(7) Projected Loan Fund Balance, January 2020	\$ 5,542,675	(7) Projected Loan Fund Balance, January 2020	\$ 2,814,977
(8) Projected Repayments throughout 2020	\$ 6,120,000	(8) Projected Repayments throughout 2020	\$ 2,400,000
(9) Estimated Loans in 2020	\$ 8,000,000	(9) Estimated Loans in 2020	\$ 3,000,000
(10) Projected Year End Loan Fund Balance 2020	\$ 3,662,675	(10) Projected Year End Loan Fund Balance 2020	\$ 2,214,977

Public Sector Revolving Loan Fund		Efficient Buildings Fund	
(1) Total Loan Fund Deposits Through 2019	\$ 516,542	(1) Energy Efficiency Funds allocated to EBF through 2019	\$ 16,870,447
(2) Current Loan Fund Balance	\$ 252,472	(2) Total EBF Loans Outstanding	\$ 18,269,000
<i>Funds returned to OER</i>	<i>\$ -</i>	<i>Loans Paid Year-To-Date</i>	<i>\$ 1,100,000</i>
<i>Repayments Year-To-Date</i>	<i>\$ 186,340</i>	<i>Repayments Year-To-Date</i>	<i>\$ 640,000</i>
(3) Projected Additional Loans by Year End	\$ -	(3) Projected Additional Loans by Year End 2019	\$ 6,200,000
(4) Projected Additional Repayments by Year End	\$ 93,170	(4) Projected Additional Repayments by Year End 2019	\$ -
(5) Projected Year End Loan Fund Balance 2019	\$ 345,642	(5) Total EBF Loans Outstanding	\$ 24,929,000
(6) 2020 Fund Injection	\$ -	(6) 2019 Fund Injection	\$ 5,216,666
(7) Projected Loan Fund Balance, January 2020	\$ 345,642	(7) 2019 Beginning of Year EBF Loans Outstanding	\$ 24,929,000
(8) Projected Repayments throughout 2020	\$ 280,000	(8) Projected EBF Loan Repayments in 2020	\$ 740,000
(9) Estimated Loans in 2020	\$ -	(9) New EBF loans in 2020	\$ 15,650,000
(10) Projected Year End Loan Fund Balance 2020	\$ 625,642	(10) Projected Year End 2020 EBF Loans Outstanding	\$ 39,839,000
		(11) Energy Efficiency Funds allocated to EBF through 2020	\$ 22,087,113
		(12) Loans to Energy Efficiency Fund Contribution Ratio	1.8

Notes

- 1 Funding injections since loan funds began. Net of any adjustments.
- 2 Current Loan Fund Balance is through August 2019; it includes all loans and repayments made by July 2019. Public Sector Revolving Loan Fund reduced by transfers to RI PEP Incentives. EBF reports in terms of loans outstanding.
- 3 Projected Loans from August to Year-End 2019 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 2020 instead of 2019.
- 4 Projected Repayments from August to Year-End 2019 is estimated based on the monthly average amount of repayments. EBF only receives repayments one time per year so the projected repayments for all of 2018 are included in line (2).
- 5 Equal to (2) - (3) + (4). EBF equal to (2) - (repayments YTD) + (3).
- 6 Proposed 2019 Fund Injection detailed on Table E-2
- 7 Equal to (5) + (6). EBF equal to line (5).
- 8 Assumption based on monthly average repayments in 2019 over 12 month period; repayments accumulate over time and may vary widely.
- 9 Amount projected to be lent to customers in 2020
- 10 Equal to (7) + (8) - (9). EBF equal to (7) - (8) + (9).

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	\$111.4
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	\$101.4
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	\$5,070,775
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	\$0.01354
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	\$81.24
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	\$84.63

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.