

**Table G-1
National Grid
Gas DSM Funding Sources in 2020 by Sector
\$(000)**

	<u>Projections by Sector</u>			Total
	Income Eligible Residential	Non-Income Eligible Residential	Commercial & Industrial	
(1) Projected Budget (from G-2):	\$9,438.1	\$14,578.5	\$10,507.8	\$34,524.3
Sources of Other Funding:				
(2) Estimated Year-End 2019 Fund Balance and Interest:	\$0.00	(\$2,062.3)	(\$654.6)	(\$2,716.8)
(3) Low Income Weatherization in Base Rates:	<u>\$200.00</u>			<u>\$200.00</u>
(4) Total Other Funding:	\$200.0	(\$2,062.3)	(\$654.6)	(\$2,516.8)
(5) Customer Funding Required:	\$9,238.1	\$16,640.8	\$11,162.3	\$37,041.2
(6) Forecasted Firm Dth Volume	1,642,252	18,711,597	21,398,433	41,752,282
(7) Forecasted Non Firm Dth Volume			1,890,001	1,890,001
(8) Less: Exempt DG Customers			(1,470,931)	(1,470,931)
(9) Forecasted Dth Volume:	1,642,252	18,711,597	21,817,504	42,171,352
Average Energy Efficiency Program Charge per Dth				
(10) excluding Uncollectible Recovery:				\$0.878
Proposed Energy Efficiency Program Charge per Dth				
(11) excluding Uncollectible Recovery	\$0.999	\$0.999	\$0.765	
(12) Currently Effective Uncollectible Rate	<u>1.91%</u>	<u>1.91%</u>	<u>1.91%</u>	
Proposed Energy Efficiency Program Charge per				
(13) Dth including Uncollectible Recovery:	\$1.018	\$1.018	\$0.779	
Currently Effective Energy Efficiency Program Charge				
(14) per Dth	\$0.715	\$0.715	\$0.420	
Adjustment to Reflect Fully Reconciling Funding				
(15) Mechanism	\$0.303	\$0.303	\$0.359	

Notes

(1) Projected Budget from G-2 includes OER and EERMC costs allocated to each sector based on forecasted volume.

(2) Fund Balance projections include projected revenue and spend through year-end with Residential and C&I sector subsidies applied to Income Eligible as detailed in the 2020 EE Plan Table G-1. 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.

(11) As agreed to by the settling parties, the proposed EE program charges allow for the use of collections from one sector to fund energy efficiency services in other sectors that would otherwise not be supported with the proposed collection rates. The C&I charge includes collection of \$5.1 million of which \$4.5 million will be allocated to the low income sector and \$0.6 million to the residential sector.

(12) Uncollectible rate approved in Docket No. 4770.

Table G-2
National Grid
2020 Gas Energy Efficiency Program Budget (\$000)

	Program Planning and Administration	Marketing	Rebates and Other Customer Incentives	Sales, Technical Assistance and Training	Evaluation & Market Research	Performance Incentive	Grand Total
Non-Income Eligible Residential:							
ENERGY STAR® HVAC	\$83.6	\$172.3	\$2,126.8	\$273.1	\$37.3	\$0.0	\$2,693.0
EnergyWise	\$217.6	\$89.5	\$6,615.5	\$963.8	\$231.1	\$0.0	\$8,117.6
EnergyWise Multifamily	\$52.3	\$35.8	\$1,216.0	\$152.1	\$55.9	\$0.0	\$1,512.0
Home Energy Reports	\$18.2	\$1.3	\$423.5	\$5.0	\$23.5	\$0.0	\$471.5
Residential Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Residential New Construction	\$32.0	\$3.6	\$466.6	\$123.7	\$9.1	\$0.0	\$635.0
Comprehensive Marketing - Residential	\$0.2	\$79.7	\$0.0	\$0.0	\$0.0	\$0.0	\$79.9
Community Based Initiatives - Residential	\$9.8	\$30.9	\$28.1	\$0.0	\$0.0	\$0.0	\$68.9
Residential Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$678.9	\$678.9
Subtotal - Non-Income Eligible Residential	\$413.7	\$413.3	\$10,876.4	\$1,517.7	\$356.9	\$678.9	\$14,256.8
Income Eligible Residential:							
Single Family - Income Eligible Services	\$149.3	\$36.8	\$4,510.0	\$1,166.4	\$89.7	\$0.0	\$5,952.3
Income Eligible Multifamily	\$84.8	\$13.3	\$2,474.5	\$309.7	\$127.3	\$0.0	\$3,009.5
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$448.1	\$448.1
Subtotal - Income Eligible Residential	\$234.1	\$50.1	\$6,984.5	\$1,476.0	\$217.0	\$448.1	\$9,409.8
Commercial & Industrial							
Large Commercial New Construction	\$70.3	\$165.3	\$1,312.8	\$786.6	\$317.5	\$0.0	\$2,652.5
Large Commercial Retrofit	\$237.0	\$275.8	\$2,494.0	\$1,763.1	\$264.4	\$0.0	\$5,034.2
Small Business Direct Install	\$3.4	\$37.9	\$50.0	\$30.1	\$3.6	\$0.0	\$125.0
Commercial & Industrial Multifamily	\$26.2	\$23.7	\$756.0	\$119.2	\$42.8	\$0.0	\$967.9
Commercial Pilots	\$54.2	\$9.5	\$266.8	\$35.5	\$0.0	\$0.0	\$366.0
Finance Costs	\$0.0	\$0.0	\$500.0	\$0.0	\$0.0	\$0.0	\$500.0
Community Based Initiatives - C&I	\$3.3	\$9.4	\$9.4	\$0.0	\$0.0	\$0.0	\$22.0
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$465.1	\$465.1
Subtotal - Commercial & Industrial	\$394.5	\$521.7	\$5,388.9	\$2,734.4	\$628.2	\$465.08	\$10,132.8
Regulatory							
EERMC	\$362.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$362.4
OER	\$362.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$362.4
Subtotal - Regulatory	\$724.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$724.9
Grand Total	\$1,767.1	\$985.1	\$23,249.8	\$5,728.1	\$1,202.1	\$1,592.1	\$34,524.3

Notes:

- (1) OER and EERMC is equal to 2% of total collections from customers' Energy Efficiency Program Charge, reduced by 2%.
- (2) Finance Costs include a transfer of \$0.5 million to the Company's revolving loan funds
- (3) \$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.

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

	Proposed 2020 Budget From G-2 (\$000)	Outside Finance and Stakeholder Oversight Costs (\$000)	Performance Incentive (\$000)	Eligible Sector Spending Budget for Performance Incentive on G-9 (\$000) ¹	Implementation Expenses for Cost-Effectiveness on G-5 (\$000) ²
Non-Income Eligible Residential					
ENERGY STAR® HVAC	\$ 2,693.0		\$ -		\$ 2,693.0
EnergyWise	\$ 8,117.6		\$ -		\$ 8,117.6
EnergyWise Multifamily	\$ 1,512.0		\$ -		\$ 1,512.0
Home Energy Reports	\$ 471.5		\$ -		\$ 471.5
Residential Pilots	\$ -		\$ -		\$ -
Residential New Construction	\$ 635.0				\$ 635.0
Comprehensive Marketing - Residential	\$ 79.9		\$ -		\$ 79.9
Community Based Initiatives - Residential	\$ 68.9		\$ -		\$ 68.9
Residential Performance Incentive	\$ 678.9		\$ 678.9		\$ -
Subtotal - Non-Income Eligible Residential	\$ 14,256.8	\$ -	\$ 678.9	\$ 13,578.0	\$ 13,578.0
Income Eligible Residential					
Single Family - Income Eligible Services	\$ 5,952.3		\$ -		\$ 5,952.3
Income Eligible Multifamily	\$ 3,009.5		\$ -		\$ 3,009.5
Income Eligible Performance Incentive	\$ 448.1		\$ 448.1		\$ -
Subtotal - Income Eligible Residential	\$ 9,409.8	\$ -	\$ 448.1	\$ 8,961.8	\$ 8,961.8
Commercial & Industrial					
Large Commercial New Construction	\$ 2,652.5		\$ -		\$ 2,652.5
Large Commercial Retrofit	\$ 5,034.2		\$ -		\$ 5,034.2
Small Business Direct Install	\$ 125.0		\$ -		\$ 125.0
Commercial & Industrial Multifamily	\$ 967.9		\$ -		\$ 967.9
Commercial Pilots	\$ 366.0		\$ -		\$ 366.0
Finance Costs	\$ 500.0	\$ 500.0	\$ -		\$ 500.0
Community Based Initiatives - C&I	\$ 22.0		\$ -		\$ 22.0
Commercial & Industrial Performance Incentive	\$ 465.1		\$ 465.1		\$ -
Subtotal - Commercial & Industrial	\$ 10,132.8	\$ 500.0	\$ 465.1	\$ 9,301.7	\$ 9,667.7
Regulatory					
EERMC	\$ 362.4	\$ 362.4			\$ 362.4
OER	\$ 362.4	\$ 362.4			\$ 362.4
Subtotal - Regulatory	\$ 724.9	\$ 724.9	\$ -		\$ 724.9
Grand Total	\$ 34,524.3	\$ 1,224.9	\$ 1,592.1	\$ 31,841.4	\$ 32,932.3

Notes:

- (1) Eligible Sector Spending Budget = Budget from G-2 minus Regulatory Costs, Pilots, Assessments, and Performance Incentive
(2) Implementation Expenses = Budget from G-2 minus Performance Incentive

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

	Proposed Budget 2020 from G-2	2019 Approved Gas Budget	Difference
Non-Income Eligible Residential			
ENERGY STAR® HVAC	\$ 2,693.0	\$ 2,164.9	\$ 528.1
EnergyWise	\$ 8,117.6	\$ 8,466.3	\$ (348.7)
EnergyWise Multifamily	\$ 1,512.0	\$ 1,677.5	\$ (165.5)
Home Energy Reports	\$ 471.5	\$ 447.9	\$ 23.6
Residential Pilots	\$ -	\$ -	\$ -
Residential New Construction	\$ 635.0	\$ 737.6	\$ (102.7)
Comprehensive Marketing - Residential	\$ 79.9	\$ 73.7	\$ 6.2
Community Based Initiatives - Residential	\$ 68.9	\$ 39.0	\$ 30.0
Residential Performance Incentive	\$ 678.9	\$ 680.3	\$ (1.4)
Subtotal - Non-Income Eligible Residential	\$ 14,256.8	\$ 14,287.2	\$ (30.3)
Income Eligible Residential			
Single Family - Income Eligible Services	\$ 5,952.3	\$ 5,012.8	\$ 939.4
Income Eligible Multifamily	\$ 3,009.5	\$ 2,932.7	\$ 76.8
Income Eligible Performance Incentive	\$ 448.1	\$ 397.3	\$ 50.8
Subtotal - Income Eligible Residential	\$ 9,409.8	\$ 8,342.8	\$ 1,067.0
Commercial & Industrial			
Large Commercial New Construction	\$ 2,652.5	\$ 2,389.2	\$ 263.3
Large Commercial Retrofit	\$ 5,034.2	\$ 4,214.0	\$ 820.3
Small Business Direct Install	\$ 125.0	\$ 124.4	\$ 0.6
Commercial & Industrial Multifamily	\$ 967.9	\$ 918.4	\$ 49.5
Commercial Pilots	\$ 366.0	\$ 381.1	\$ (15.1)
Finance Costs	\$ 500.0	\$ -	\$ 500.0
Community Based Initiatives - C&I	\$ 22.0	\$ 13.0	\$ 9.0
Commercial & Industrial Performance Incentive	\$ 465.1	\$ 383.0	\$ 82.1
Subtotal Commercial & Industrial	\$ 10,132.8	\$ 8,423.1	\$ 1,709.7
Regulatory			
EERMC	\$ 362.4	\$ 235.5	\$ 127.0
OER	\$ 362.4	\$ 304.2	\$ 58.2
Subtotal Regulatory	\$ 724.9	\$ 539.7	\$ 185.2
TOTAL BUDGET	\$ 34,524.3	\$ 31,592.8	\$ 2,931.5

Notes:

- (1) Program Implementation Budget excludes Commitments, Company Incentive; derived on Table G-3
- (2) Total Budget includes Implementation, Commitments; illustrated on Table G-3
- (3) Finance Costs include a transfer of \$0.5 million to the Company's revolving loan funds.

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

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Shareholder Incentive	\$/Lifetime MMBtu
Non-Income Eligible Residential						
Energy Star® HVAC	1.56	\$ 9,802.0	\$ 2,693.1	\$ 3,609.6		\$ 12.71
EnergyWise	2.04	\$ 20,472.6	\$ 8,117.6	\$ 1,923.5		\$ 16.51
EnergyWise MultiFamily	5.24	\$ 9,734.4	\$ 1,512.1	\$ 344.0		\$ 8.25
Home Energy Reports	4.11	\$ 1,940.0	\$ 471.5	\$ -		\$ 4.08
Residential New Construction	1.00	\$ 1,251.4	\$ 624.0	\$ 622.8		\$ 15.03
Comprehensive Marketing - Residential			\$ 79.9			
Community Based Initiatives - Residential			\$ 68.9			
Residential Pilots			\$ -			
Non-Income Eligible Residential Subtotal	2.08	\$ 43,200.3	\$ 13,567.1	\$ 6,499.9	\$ 746.2	\$ 13.14
Income Eligible Residential						
Single Family - Income Eligible Services	2.90	\$ 17,254.2	\$ 5,952.3	\$ -		\$ 29.48
Income Eligible Multifamily	5.71	\$ 17,195.1	\$ 3,009.5	\$ -		\$ 6.72
Income Eligible Residential Subtotal	3.64	\$ 34,449.3	\$ 8,961.8	\$ -	\$ 492.9	\$ 13.79
Large Commercial & Industrial						
Large Commercial New Construction	5.76	\$ 17,726.9	\$ 2,652.5	\$ 425.3		\$ 3.96
Large Commercial Retrofit	6.01	\$ 43,325.3	\$ 5,030.9	\$ 2,180.0		\$ 4.27
Small Business Direct Install	4.28	\$ 621.9	\$ 125.0	\$ 20.4		\$ 8.23
Commercial & Industrial Multifamily	4.26	\$ 4,476.0	\$ 967.9	\$ 84.0		\$ 6.76
Commercial Pilots			\$ 366.0			
Community Based Initiatives - C&I			\$ 22.0			
Finance Costs			\$ -			
Commercial & Industrial Subtotal	5.35	\$ 66,150.1	\$ 9,164.4	\$ 2,709.8	\$ 483.9	\$ 4.50
Regulatory						
EERMC			\$ 362.4			
OER			\$ 362.4			
Regulatory Subtotal			\$ 724.9			
Grand Total	3.32	\$ 143,799.7	\$ 32,418.3	\$ 9,209.6	\$ 1,723.0	\$ 8.64

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 G-3.

Table G-5A
National Grid
Calculation of 2019 Program Year Cost-Effectiveness with TRC Test
All Dollar Values in (\$000)

	TRC Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Shareholder Incentive	\$/Lifetime MMBtu
Non-Income Eligible Residential						
Energy Star® HVAC	0.85	\$ 5,368.7	\$ 2,693.1	\$ 3,609.6		\$ 12.71
EnergyWise	0.95	\$ 9,580.4	\$ 8,117.6	\$ 1,923.5		\$ 16.51
EnergyWise MultiFamily	3.38	\$ 6,275.4	\$ 1,512.1	\$ 344.0		\$ 8.25
Home Energy Reports	1.90	\$ 897.8	\$ 471.5	\$ -		\$ 4.08
Residential New Construction	0.61	\$ 755.3	\$ 624.0	\$ 622.8		\$ 15.03
Comprehensive Marketing - Residential			\$ 79.9			
Community Based Initiatives - Residential			\$ 68.9			
Residential Demonstration and R&D			\$ -			
Non-Income Eligible Residential Subtotal	1.10	\$ 22,877.7	\$ 13,567.1	\$ 6,499.9	\$ 746.2	\$ 13.14
Income Eligible Residential						
Single Family - Income Eligible Services	1.76	\$ 10,449.0	\$ 5,952.3	\$ -		\$ 29.48
Income Eligible Multifamily	3.52	\$ 10,582.4	\$ 3,009.5	\$ -		\$ 6.72
Income Eligible Residential Subtotal	2.22	\$ 21,031.4	\$ 8,961.8	\$ -	\$ 492.9	\$ 13.79
Large Commercial & Industrial						
Large Commercial New Construction	3.42	\$ 10,525.6	\$ 2,652.5	\$ 425.3		\$ 3.96
Large Commercial Retrofit	3.19	\$ 22,991.2	\$ 5,030.9	\$ 2,180.0		\$ 4.27
Small Business Direct Install	2.21	\$ 321.5	\$ 125.0	\$ 20.4		\$ 8.23
Commercial & Industrial Multifamily	1.85	\$ 1,947.2	\$ 967.9	\$ 84.0		\$ 6.76
Commercial Demonstration and R&D			\$ 366.0			
Community Based Initiatives - C&I			\$ 22.0			
Finance Costs			\$ -			
Commercial & Industrial Subtotal	2.90	\$ 35,785.5	\$ 9,164.4	\$ 2,709.8	\$ 483.9	\$ 4.50
Regulatory						
EERMC			\$ 362.4			
OER			\$ 362.4			
Regulatory Subtotal			\$ 724.9			
Grand Total	1.84	\$ 79,694.6	\$ 32,418.3	\$ 9,209.6	\$ 1,723.0	\$ 8.64

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 G-3.

Table G-6
National Grid
Summary of 2020 Benefits by Program

	Benefits (\$000)		
	Total	Natural Gas	Non-Gas Benefit
Non-Income Eligible Residential			
EnergyWise	\$20,472.6	\$5,428.0	\$15,044.6
Energy Star® HVAC	\$9,802.0	\$4,465.8	\$5,336.2
EnergyWise Multifamily	\$9,734.4	\$2,004.1	\$7,730.3
Home Energy Reports	\$1,940.0	\$846.4	\$1,093.6
Residential New Construction	\$1,251.4	\$740.1	\$511.4
Non-Income Eligible Residential SUBTOTAL	\$43,200.3	\$13,484.3	\$29,716.0
Income Eligible Residential			
Single Family - Income Eligible Services	\$17,254.2	\$1,821.1	\$15,433.1
Income Eligible Multifamily	\$17,195.1	\$4,007.9	\$13,187.2
Income Eligible Residential SUBTOTAL	\$34,449.3	\$5,829.0	\$28,620.3
Commercial & Industrial			
Large Commercial New Construction	\$17,726.9	\$5,867.1	\$11,859.8
Large Commercial Retrofit	\$43,325.3	\$13,454.8	\$29,870.5
Small Business Direct Install	\$621.9	\$134.1	\$487.9
Commercial & Industrial Multifamily	\$4,476.0	\$1,212.8	\$3,263.2
Commercial & Industrial SUBTOTAL	\$66,150.1	\$20,668.7	\$45,481.4
Grand Total	\$143,799.7	\$39,982.1	\$103,817.7

Table G-6A
National Grid
Summary of 2020 Impacts by Program

	Gas Saved (MMBtu)	
	Annual	Lifetime
Non-Income Eligible Residential		
EnergyWise	25,621	608,029
Energy Star® HVAC	29,994	495,828
EnergyWise Multifamily	14,561	225,079
Home Energy Reports	115,426	115,426
Residential New Construction	4,346	82,971
Non-Income Eligible Residential SUBTOTAL	189,948	1,527,333
Income Eligible Residential		
Single Family - Income Eligible Services	10,096	201,916
Income Eligible Multifamily	24,413	447,962
Income Eligible Residential SUBTOTAL	34,508	649,878
Commercial & Industrial		
Large Commercial New Construction	45,474	776,748
Large Commercial Retrofit	163,011	1,689,045
Small Business Direct Install	2,523	17,662
Commercial & Industrial Multifamily	11,155	155,596
Commercial & Industrial SUBTOTAL	222,164	2,639,051
Grand Total	446,621	4,816,261

Notes:

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

Table G-7
National Grid
Comparison of 2020 and 2019 Goals

	Proposed 2020 Goal	Proposed 2020 Tracking		Approved 2019	Difference
	Annual Energy Savings (MMBtu Natural Gas)	Lifetime Energy Savings (MMBtu Natural Gas)	Planned Unique Participants	Annual Energy Savings (MMBtu Natural Gas)	Annual Energy Savings (MMBtu Natural Gas)
Non-Income Eligible Residential					
EnergyWise	25,621	608,029	2,050	27,806	-2,185
Energy Star® HVAC	29,994	495,828	3,677	27,960	2,034
EnergyWise Multifamily	14,561	225,079	4,000	16,043	-1,482
Home Energy Reports	115,426	115,426	152,324	115,520	-94
Residential New Construction	4,346	82,971	316	4,741	-394
Non-Income Eligible Residential SUBTOTAL	189,948	1,527,333	162,367	192,069	-2,121
Income Eligible Residential					
Single Family - Income Eligible Services	10,096	201,916	902	9,178	918
Income Eligible Multifamily	24,413	447,962	3,500	20,487	3,925
Income Eligible Residential SUBTOTAL	34,508	649,878	4,402	29,665	4,843
Commercial & Industrial					
Large Commercial New Construction	45,474	776,748	83	42,536	2,938
Large Commercial Retrofit	163,011	1,689,045	88	155,049	7,962
Small Business Direct Install	2,523	17,662	59	2,559	-36
Commercial & Industrial Multifamily	11,155	155,596	716	10,829	326
Commercial & Industrial SUBTOTAL	222,164	2,639,051	945	210,974	11,191
TOTAL	446,621	4,816,261	167,714	432,708	13,912

Notes:

- (1) Participants can participate in more than one program, for example Home Energy Reports and EnergyWise.
- (2) 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 planned participants. For measure counts please view the widgets tables at the end of the Residential and C&I text sections. Table G-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.

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

Year	RESIDENTIAL				COMMERCIAL & INDUSTRIAL		
	Non Heating	Hot Water	Heating	All	Non Heating	Heating	All
2020	5.41	7.13	8.40	7.82	6.22	7.57	6.98
2021	6.33	8.05	9.33	8.75	7.14	8.50	7.90
2022	6.26	7.97	9.25	8.67	7.06	8.42	7.83
2023	6.27	7.98	9.25	8.67	7.08	8.42	7.84
2024	6.36	8.05	9.33	8.75	7.16	8.50	7.91
2025	6.38	8.06	9.34	8.76	7.17	8.51	7.93
2026	6.45	8.13	9.40	8.83	7.25	8.58	8.00
2027	6.49	8.16	9.43	8.85	7.28	8.61	8.03
2028	6.61	8.27	9.54	8.97	7.40	8.72	8.14
2029	6.71	8.37	9.64	9.07	7.50	8.82	8.24
2030	6.77	8.42	9.69	9.12	7.55	8.87	8.30
2031	6.93	8.58	9.84	9.27	7.71	9.03	8.45
2032	6.95	8.58	9.84	9.28	7.72	9.03	8.46
2033	6.89	8.52	9.78	9.22	7.66	8.97	8.40
2034	6.80	8.42	9.68	9.12	7.57	8.87	8.30
2035	6.83	8.44	9.69	9.14	7.60	8.89	8.32
2036	6.87	8.47	9.72	9.17	7.63	8.92	8.36
2037	6.91	8.51	9.75	9.20	7.67	8.95	8.39
2038	6.95	8.54	9.78	9.23	7.70	8.99	8.43
2039	6.99	8.57	9.81	9.26	7.74	9.02	8.46
2040	7.03	8.60	9.84	9.29	7.78	9.05	8.49
2041	7.07	8.63	9.87	9.33	7.81	9.08	8.53
2042	7.11	8.67	9.90	9.36	7.85	9.11	8.56
2043	7.15	8.70	9.93	9.39	7.89	9.15	8.60
2044	7.19	8.73	9.96	9.42	7.93	9.18	8.63
2045	7.23	8.76	9.99	9.45	7.96	9.21	8.67
2046	7.27	8.80	10.02	9.49	8.00	9.24	8.70
2047	7.31	8.83	10.05	9.52	8.04	9.28	8.73
2048	7.35	8.86	10.09	9.55	8.08	9.31	8.77

From 2018 Avoided Cost Study Update
Appendix C for Southern New England

Table G-9
National Grid
2020 Targeted Performance Incentive

Incentive Rate:

5.00%

	(1)	(2)	(3)	(4)	(5)	(6)
Sector	Eligible Spending Budget \$(000)	Target Incentive \$(000)	Savings Target (Annual MMBtu)	Threshold Savings (MMBtu)	Target Incentive Per Annual MMBtu	Maximum Incentive \$(000)
Income Eligible Residential	\$8,962	\$448.1	34,508	25,881	\$12.98	\$560.11
Non-Income Eligible Residential	\$13,578	\$678.9	189,948	142,461	\$3.57	\$848.62
Commercial & Industrial	\$9,302	\$465.1	222,164	166,623	\$2.09	\$581.35
Total	\$31,841	\$1,592.1	446,621	334,965	\$3.56	\$1,990.09

Notes:

- (1) Eligible Spending Budget excludes EERMC, OER, Pilots, Assessments, and Performance Incentive. See Table G-3 for details.
 - (2) Equal to the incentive rate (5.0%) x Column (1).
 - (3) See Table G-7
 - (4) 75% of Column (3). No incentive is earned on annual MMBTU savings 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 MMBtu will vary with the percent of the savings target achieved
- The Performance Incentive will be calculated as follow, 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)
 - From 100% of savings to 125% of savings: Performance Incentive = SB x (5.00% + (% of Savings Achieved - 100%) x 0.05)

Table G-10
National Grid
Revolving Loan Fund Projections

Large C&I Revolving Loan Fund

(1)	Total Loan Fund Deposits Through 2019	\$ 3,090,440
(2)	Current Loan Fund Balance	\$ 1,785,026
(3)	Projected Loans by Year End 2019	\$ 1,357,000
(4)	Projected Repayments by Year End 2019	\$ 232,258
(5)	Projected Year End Loan Fund Balance 2019	\$ 660,284
(6)	2019 Fund Injection	\$ 500,000
(7)	Projected Loan Fund Balance, January 2020	\$ 1,160,284
(8)	Projected Repayments throughout 2020	\$ 1,000,000
(9)	Estimated Loans in 2020	\$ 2,000,000
(10)	Projected Year End Loan Fund Balance 2020	\$ 160,284

Notes

Funding injections since loan funds began.

Current Loan Fund Balance is through August 2019

Projected Loans by Year End 2019 is estimated based on current commitments

Projected Repayments by Year End 2019 is estimated based on projected loans by year end and repayment schedules

Equal to (2) - (3) + (4)

Fund Injection, as budgeted on E-2

Equal to (5) + (6)

Assumption based on average repayments over 12 months; repayments accumulate over time and may vary widely.

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

Gas	2007 ⁽⁴⁾	2008	2009	2010	2011 ⁽⁵⁾	2012	2013 ⁽⁶⁾	2014	2015	2016	2017	2018	2019 ⁽⁷⁾	2020 ⁽⁸⁾
Energy Efficiency Budget (\$Million) ⁽¹⁾	-	\$7.3	\$7.6	\$4.8	\$7.3	\$13.7	\$19.5	\$23.5	\$24.5	\$27.7	\$29.7	\$28.1	\$31.6	\$34.5
Spending Budget (\$Million) ⁽²⁾	-	\$6.6	\$6.1	\$4.5	\$6.2	\$12.9	\$17.9	\$21.8	\$22.4	\$25.0	\$27.8	\$26.2	\$29.2	\$31.8
Actual Expenditures (\$Million) ⁽³⁾	-	\$7.4	\$6.3	\$5.5	\$4.9	\$13.3	\$19.6	\$21.5	\$21.5	\$24.6	\$29.1	\$28.8	-	-
Incentive Percentage	-	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	-	\$288,734	\$266,980	\$199,743	\$274,460	\$570,382	\$898,285	\$1,089,700	\$1,119,800	\$1,251,654	\$1,387,550	\$1,309,076	\$1,460,570	\$1,592,068
Earned Incentive	-	\$288,734	\$262,121	\$231,310	\$239,863	\$586,036	\$968,229	\$1,362,108	\$1,387,079	\$1,496,869	\$1,633,531	\$1,541,255		
Annual MMBtu Energy Savings Goal Achieved (%)		109%	139%	127%	117%	99%	109%	124%	111%	106%	113%	120%		
System Benefits Charge (\$/therm) - all non-exempt customers ⁽¹¹⁾	\$0.0071	\$0.0107	\$0.0150	\$0.0150	\$0.0411	\$0.0384	\$0.0417	-	-	-	-	-	-	-
Residential System Benefits Chare (\$/therm)	-	-	-	-	-	-	-	\$0.0600	\$0.0781	\$0.0748	\$0.0888	\$0.0869	\$0.0715	\$0.1018
C&I System Benefits Charge (\$/therm)	-	-	-	-	-	-	-	\$0.0492	\$0.0637	\$0.0487	\$0.0726	\$0.0671	\$0.0420	\$0.0779
Annual Cost to 846 Therm/year Residential Customer w/o tax ⁽⁹⁾	\$6.04	\$9.05	\$12.69	\$12.69	\$18.28	\$32.49	\$35.28	\$50.76	\$66.07	\$63.28	\$75.12	\$73.52	\$60.49	\$86.12
Annual Cost to 846 Therm/year Residential Customer w/tax ⁽¹⁰⁾	\$6.23	\$9.33	\$13.08	\$13.08	\$18.85	\$33.49	\$36.37	\$52.33	\$68.11	\$65.24	\$77.44	\$75.79	\$62.36	\$88.78

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 assessment 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) Gas programs began during July 2007 and were not reported on separately that year since programs were still in development. The 2007 gas programs are included in 2008 reporting. Systems Benefit Charge shown for 2007 is the weighted average of \$0.063 per decatherm from January 1, 2007 - June 30, 2007 and \$0.107 per decatherm from July 1, 2007 through December 31, 2008.

(5) On July 25, 2011 the Commission ordered that National Grid could increase the gas System Benefits Charge from \$0.15 to \$0.411 per decatherm for the period of August 1, 2011 through December 31, 2011. Annual cost represents 7 months usage (632 therms) at \$0.015 per therm and 5 months usage (214 therms) at \$0.0411 per therm.

(6) 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.

(7) 2019 values are planned.

(8) 2020 values are proposed.

(9) Reflects the annual cost excluding Gross Earnings Tax.

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

(11) The Gas EE Program Charge was uniform for all customers until 2014, at which time the Company proposed and the PUC approved individual factors for the residential and C&I sectors.