

Table E-1
National Grid
Electric DSM Funding Sources in 2021 by Sector
\$(000)

	Income Eligible Residential	Projections by Sector Non-Income Eligible Residential	Commercial & Industrial	Total
(1) Projected Budget (from E-2):	\$19,855.68	\$41,146.51	\$61,303.84	\$122,306.03
Sources of Other Funding:				
(2) Projected DSM Commitments at Year-End 2020:	\$0.00	\$0.00	\$0.00	\$0.00
(3) Projected Year-End 2020 Fund Balance and Interest:	\$0.00	\$352.71	\$19,608.98	\$19,961.70
(4) Projected FCM Payments from ISO-NE:	\$486.50	\$6,234.50	\$9,297.00	\$16,018.00
(5) Total Other Funding:	\$486.50	\$6,587.21	\$28,905.98	\$35,979.69
(6) Customer Funding Required:	\$19,369.18	\$34,559.29	\$32,397.86	\$86,326.34
(7) Forecasted kWh Sales:	200,673,797	2,571,376,629	3,834,494,965	6,606,545,391
(8) Energy Efficiency Program charge per kWh, excluding uncollectible recovery:				\$0.01306
(9) Proposed SRP Opex Factor per kWh, excluding uncollectible recovery:				\$0.00000
(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				\$0.01323
(14) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00000

Notes:

- (1) Projected Budget from E-2 includes OER and EERMC costs allocated to each sector based on forecasted sales.
- (2) DSM Commitments are projects that are under construction with anticipated completion in 2021.
- (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 1, 2020 as proposed in Section 12.1 of the Plan's Main Text.
- (3a) The Fund balance projection includes a credit and interest in the amount of \$472,181.83, pursuant to the PUC Open Meeting on September 1, 2020 in relation to Docket No. 4755 and the Navy CHP Settlement Agreement.
- (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 SRP Opex Factor is \$0.00000.
- (10) Line (8) + Line (9)
- (11) Uncollectible rate approved in Docket No 4770.
- (12) Line (10) ÷ (1-Line (11), truncated to 5 decimal places
- (13) Currently Effective EE Charge includes System Reliability Factor and uncollectible recovery.
- (14) Line (13) - Line (12)

**Table E-2
National Grid
2021 Electric Energy Efficiency Program Budget (\$000)**

	Program Planning & Administration	Marketing	Cost of services and product rebates/incentives provided to customers	Sales, Technical Assistance & Training	Evaluation & Market Research	Total Performance Incentive	Grand Total
Non-Income Eligible Residential							
Residential New Construction	\$64.5	\$24.0	\$831.8	\$458.6	\$165.4		\$1,544.3
ENERGY STAR® HVAC	\$83.8	\$278.3	\$2,584.5	\$480.3	\$60.9		\$3,487.8
EnergyWise	\$381.8	\$406.5	\$14,772.2	\$1,247.4	\$225.4		\$17,033.3
EnergyWise Multifamily	\$88.7	\$48.0	\$2,482.0	\$406.6	\$31.5		\$3,056.8
ENERGY STAR® Lighting	\$237.6	\$560.4	\$4,057.2	\$231.6	\$187.8		\$5,274.8
Residential Consumer Products	\$71.8	\$531.5	\$1,486.1	\$542.5	\$49.3		\$2,681.2
Home Energy Reports	\$44.8	\$10.5	\$0.0	\$2,550.8	\$35.6		\$2,641.7
Residential ConnectedSolutions	\$37.2	\$12.7	\$1,369.2	\$350.7	\$190.0		\$1,959.7
Energy Efficiency Education Programs	\$0.0	\$40.0	\$0.0	\$0.0	\$0.0		\$40.0
Residential Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - Residential	\$29.5	\$112.3	\$84.4	\$0.0	\$0.0		\$226.2
Comprehensive Marketing - Residential	\$2.3	\$330.4	\$0.0	\$0.0	\$0.0		\$332.7
Residential Workforce Development	\$0.0	\$0.0	\$0.0	\$284.7	\$0.0		\$284.7
Residential Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,925.0	\$1,925.0
Subtotal - Non-Income Eligible Residential	\$1,042.2	\$2,354.6	\$27,667.4	\$6,553.2	\$945.9	\$1,925.0	\$40,488.3
Income Eligible Residential							
Single Family - Income Eligible Services	\$317.1	\$141.0	\$11,023.0	\$2,126.2	\$152.1		\$13,759.3
Income Eligible Multifamily	\$116.2	\$9.9	\$4,243.2	\$406.3	\$55.2		\$4,830.8
Income Eligible Workforce Development	\$0.0	\$0.0	\$0.0	\$114.2	\$0.0		\$114.2
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,100.0	\$1,100.0
Subtotal - Income Eligible Residential	\$433.3	\$150.9	\$15,266.2	\$2,646.7	\$207.2	\$1,100.0	\$19,804.3
Commercial & Industrial							
Large Commercial New Construction	\$218.6	\$352.0	\$5,872.2	\$1,893.6	\$163.9		\$8,500.2
Large Commercial Retrofit	\$885.7	\$266.0	\$24,825.0	\$5,111.19	\$842.4		\$31,930.2
Small Business Direct Install	\$278.3	\$281.2	\$7,934.3	\$338.9	\$50.9		\$8,883.6
Commercial ConnectedSolutions	\$88.1	\$7.6	\$2,680.0	\$214.5	\$0.0		\$2,990.1
Commercial Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - C&I	\$9.8	\$36.6	\$28.1	\$0.0	\$0.0		\$74.5
Finance Costs	\$0.0	\$0.0	\$5,000.0	\$0.0	\$0.0		\$5,000.0
Commercial Workforce Development	\$0.0	\$0.0	\$0.0	\$468.7	\$0.0		\$468.7
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2,475.0	\$2,475.0
Subtotal - Commercial & Industrial	\$1,480.5	\$943.2	\$46,339.6	\$8,026.8	\$1,057.2	\$2,475.0	\$60,322.3
Regulatory							
OER	\$845.6	\$0.0	\$0.0	\$0.0	\$0.0		\$845.6
EERMC	\$845.6	\$0.0	\$0.0	\$0.0	\$0.0		\$845.6
Subtotal - Regulatory	\$1,691.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,691.1
Grand Total	\$4,647.1	\$3,448.8	\$89,273.1	\$17,226.7	\$2,210.4	\$5,500.0	\$122,306.0
System Reliability Procurement							

Notes:

- (1) 2021 Large Commercial Retrofit Commitments (\$000):
- (2) For more information on Finance Costs, please refer to the 2021 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%.
- (4) Finance Costs are detailed in Table E-10.
- (5) System Reliability line item is included for illustrative purposes. They are part of the 2020 System Reliability Procurement Report, filed as a separate docket.
- (6) 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 2021 Spending and Implementation Budgets (\$000)

	Proposed 2021 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	\$1,544.3					\$1,544.3
ENERGY STAR® HVAC	\$3,487.8					\$3,487.8
EnergyWise	\$17,033.3					\$17,033.3
EnergyWise Multifamily	\$3,056.8					\$3,056.8
ENERGY STAR® Lighting	\$5,274.8					\$5,274.8
Residential Consumer Products	\$2,681.2					\$2,681.2
Home Energy Reports	\$2,641.7					\$2,641.7
Residential ConnectedSolutions	\$1,959.7					\$1,959.7
Energy Efficiency Education Programs	\$40.0					\$40.0
Residential Pilots	\$0.0					\$0.0
Community Based Initiatives - Residential	\$226.2					\$226.2
Comprehensive Marketing - Residential	\$332.7					\$332.7
Residential Workforce Development	\$284.7					\$284.7
Residential Performance Incentive	\$1,925.0			\$1,925.0		\$0.0
Subtotal - Non-Income Eligible Residential	\$40,488.3	\$0.0	\$0.0	\$1,925.0	\$36,597.1	\$38,563.3
Income Eligible Residential						
Single Family - Income Eligible Services	\$13,759.3					\$13,759.3
Income Eligible Multifamily	\$4,830.8					\$4,830.8
Income Eligible Workforce Development	\$114.2					\$114.2
Income Eligible Performance Incentive	\$1,100.0			\$1,100.0		\$0.0
Subtotal - Income Eligible Residential	\$19,804.3	\$0.0	\$0.0	\$1,100.0	\$18,704.3	\$18,704.3
Commercial & Industrial						
Large Commercial New Construction	\$8,500.2	\$0.0				\$8,500.2
Large Commercial Retrofit	\$31,930.2	\$0.0				\$31,930.2
Small Business Direct Install	\$8,883.6	\$0.0				\$8,883.6
Commercial ConnectedSolutions	\$2,990.1					\$2,990.1
Commercial Pilots	\$0.0					\$0.0
Community Based Initiatives - C&I	\$74.5					\$74.5
Finance Costs	\$5,000.0					\$5,000.0
Commercial Workforce Development	\$468.7					\$468.7
Commercial & Industrial Performance Incentive	\$2,475.0			\$2,475.0		\$0.0
Subtotal - Commercial & Industrial	\$60,322.3	\$0.0	\$0.0	\$2,475.0	\$54,773.0	\$57,847.3
Regulatory						
OER	\$845.6		\$845.6			\$845.6
EERMC	\$845.6		\$845.6			\$845.6
Subtotal - Regulatory	\$1,691.1	\$0.0	\$1,691.1	\$0.0	\$0.0	\$1,691.1
Grand Total	\$122,306.0	\$0.0	\$1,691.1	\$5,500.0	\$110,074.4	\$116,806.0

Notes:

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

Table E-4
National Grid
Proposed 2021 Budget Compared to Approved 2020 Budget (\$000)

	Proposed Implementation Budget 2021	Approved Implementation Budget 2020	Difference
Non-Income Eligible Residential			
Residential New Construction	\$1,544.3	\$973.5	\$570.9
ENERGY STAR® HVAC	\$3,487.8	\$2,525.1	\$962.7
EnergyWise	\$17,033.3	\$15,692.2	\$1,341.2
EnergyWise Multifamily	\$3,056.8	\$2,804.3	\$252.5
ENERGY STAR® Lighting	\$5,274.8	\$15,375.8	-\$10,101.1
Residential Consumer Products	\$2,681.2	\$2,199.2	\$482.1
Home Energy Reports	\$2,641.7	\$2,728.1	-\$86.4
Residential ConnectedSolutions	\$1,959.7	\$461.6	\$1,498.1
Energy Efficiency Education Programs	\$40.0	\$40.0	\$0.0
Residential Pilots	\$0.0	\$287.8	-\$287.8
Community Based Initiatives - Residential	\$226.2	\$203.9	\$22.3
Comprehensive Marketing - Residential	\$332.7	\$382.3	-\$49.6
Residential Workforce Development	\$284.7	\$0.0	\$284.7
Subtotal - Non-Income Eligible Residential	\$38,563.3	\$43,673.8	-\$5,110.5
Income Eligible Residential			
Single Family - Income Eligible Services	\$13,759.3	\$12,846.1	\$913.2
Income Eligible Multifamily	\$4,830.8	\$3,549.0	\$1,281.8
Income Eligible Workforce Development	\$114.2	\$0.0	\$114.2
Subtotal - Income Eligible Residential	\$18,704.3	\$16,395.1	\$2,309.2
Commercial & Industrial			
Large Commercial New Construction	\$8,500.2	\$5,335.7	\$3,164.4
Large Commercial Retrofit	\$31,930.2	\$23,801.3	\$8,128.9
Small Business Direct Install	\$8,883.6	\$7,568.6	\$1,315.0
Commercial ConnectedSolutions	\$2,990.1	\$2,078.5	\$911.6
Community Based Initiatives - C&I	\$74.5	\$66.1	\$8.4
Commercial Pilots	\$0.0	\$106.3	-\$106.3
Finance Costs	\$5,000.0	\$5,216.7	-\$216.7
Commercial Workforce Development	\$468.7	\$0.0	\$468.7
Subtotal Commercial & Industrial	\$57,847.3	\$44,173.2	\$13,674.1
Regulatory			
EERMC	\$845.6	\$893.7	-\$48.1
OER	\$845.6	\$893.7	-\$48.1
Subtotal Regulatory	\$1,691.1	\$1,787.4	-\$96.3
TOTAL IMPLEMENTATION BUDGET	\$116,806.0	\$106,029.5	\$10,776.6
OTHER EXPENSE ITEMS			
Commitments	\$0.0	\$0.0	\$0.0
Company Incentive	\$5,500.0	\$5,054.4	\$445.6
Subtotal - Other Expense Items	\$5,500.0	\$5,054.4	\$445.6
TOTAL BUDGET	\$122,306.0	\$111,083.9	\$11,222.1

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 Energy Star® Lighting program year-over-year declines are driven by decreased opportunities for this program due to market transformation

Table E-5
National Grid
Calculation of 2021 Program Year Cost-Effectiveness
All Dollar Values in (\$000)

	RI Test Benefit/ Cost ¹	Total Benefit	Program Implementation Expenses ²	Customer Contribution	Performance Incentive	¢/Lifetime kWh
Non-Income Eligible Residential						
Residential New Construction	2.69	\$ 6,445.3	\$ 1,544.3	\$ 855.7		13.3
ENERGY STAR® HVAC	2.77	\$ 13,306.5	\$ 3,487.8	\$ 1,311.6		9.4
EnergyWise	1.89	\$ 33,615.8	\$ 17,033.3	\$ 790.4		120.5
EnergyWise Multifamily	2.44	\$ 8,756.5	\$ 3,056.8	\$ 532.0		17.6
Home Energy Reports	3.23	\$ 8,530.8	\$ 2,641.7	\$ -		9.8
ENERGY STAR® Lighting	3.29	\$ 14,018.2	\$ 5,274.8	\$ (1,012.9)		15.9
Residential Consumer Products	2.84	\$ 11,372.7	\$ 2,681.2	\$ 1,321.2		10.5
Residential ConnectedSolutions	6.13	\$ 12,018.6	\$ 1,959.7	\$ -		N/A
Energy Efficiency Education Programs			\$ 40.0			
Residential Pilots			\$ -			
Community Based Initiatives - Residential			\$ 226.2			
Comprehensive Marketing - Residential			\$ 332.7			
Residential Workforce Development			\$ 284.7			
Non-Income Eligible Residential SUBTOTAL	2.44	\$ 108,064.5	\$ 38,563.3	\$ 3,798.1	\$ 1,925.0	21.6
Income Eligible Residential						
Single Family - Income Eligible Services	2.65	\$ 36,501.8	\$ 13,759.3	\$ -		34.9
Income Eligible Multifamily	1.76	\$ 8,502.4	\$ 4,830.8	\$ -		15.2
Income Eligible Workforce Development			\$ 114.2			
Income Eligible Residential SUBTOTAL	2.27	\$ 45,004.2	\$ 18,704.3	\$ -	\$ 1,100.0	26.3
Commercial & Industrial						
Large Commercial New Construction	6.24	\$ 58,649.1	\$ 8,500.2	\$ 893.1		5.0
Large Commercial Retrofit	7.52	\$ 329,117.0	\$ 31,930.2	\$ 11,821.8		5.9
Small Business Direct Install	3.35	\$ 36,190.8	\$ 8,883.6	\$ 1,922.8		10.3
Commercial ConnectedSolutions	9.85	\$ 29,465.0	\$ 2,990.1	\$ -		N/A
Commercial Pilots			\$ -			
Community Based Initiatives - C&I			\$ 74.5			
Finance Costs			\$ 5,000.0			
Commercial Workforce Development			\$ 468.7			
C&I SUBTOTAL	6.05	\$ 453,421.9	\$ 57,847.3	\$ 14,637.7	\$ 2,475.0	7.0
Regulatory						
OER			\$ 845.6			
EERMC			\$ 845.6			
Regulatory SUBTOTAL			\$ 1,691.1			
TOTAL	4.31	\$ 606,490.7	\$ 116,806.0	\$ 18,435.8	\$ 5,500.0	10.4

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 2021 Program Year Cost-Effectiveness with TRC Test
All Dollar Values in (\$000)

	TRC Benefit/ Cost ¹	Total Benefit	Program Implementation Expenses ²	Customer Contribution	Performance Incentive	¢/Lifetime kWh
Non-Income Eligible Residential						
Residential New Construction	1.55	\$ 3,713.4	\$ 1,544.3	\$ 855.7		13.3
ENERGY STAR® HVAC	1.37	\$ 6,557.3	\$ 3,487.8	\$ 1,311.6		9.4
EnergyWise	0.82	\$ 14,677.8	\$ 17,033.3	\$ 790.4		120.5
EnergyWise Multifamily	1.19	\$ 4,265.7	\$ 3,056.8	\$ 532.0		17.6
Home Energy Reports	1.90	\$ 5,008.4	\$ 2,641.7	\$ -		9.8
ENERGY STAR® Lighting	1.17	\$ 4,988.9	\$ 5,274.8	\$ (1,012.9)		15.9
Residential Consumer Products	1.52	\$ 6,092.4	\$ 2,681.2	\$ 1,321.2		10.5
Residential ConnectedSolutions	6.13	\$ 12,018.6	\$ 1,959.7			
Energy Efficiency Education Programs			\$ 40.0			
Residential Pilots			\$ -			
Community Based Initiatives - Residential			\$ 226.2			
Comprehensive Marketing - Residential			\$ 332.7			
Residential Workforce Development			\$ 284.7			
Non-Income Eligible Residential SUBTOTAL	1.29	\$ 57,322.6	\$ 38,563.3	\$ 3,798.1	\$ 1,925.0	21.6
Income Eligible Residential						
Single Family - Income Eligible Services	1.61	\$ 22,102.6	\$ 13,759.3	\$ -		34.9
Income Eligible Multifamily	0.52	\$ 2,494.0	\$ 4,830.8	\$ -		15.2
Income Eligible Workforce Development			\$ 114.2			
Income Eligible Residential SUBTOTAL	1.24	\$ 24,596.7	\$ 18,704.3	\$ -	\$ 1,100.0	26.3
Commercial & Industrial						
Large Commercial New Construction	2.87	\$ 26,984.4	\$ 8,500.2	\$ 893.1		5.0
Large Commercial Retrofit	2.93	\$ 127,987.1	\$ 31,930.2	\$ 11,821.8		5.9
Small Business Direct Install	1.47	\$ 15,926.4	\$ 8,883.6	\$ 1,922.8		10.3
Commercial ConnectedSolutions	9.85	\$ 29,465.0	\$ 2,990.1			
Commercial Pilots			\$ -			
Community Based Initiatives - C&I			\$ 74.5			
Finance Costs			\$ 5,000.0			
Commercial Workforce Development			\$ 468.7			
C&I SUBTOTAL	2.67	\$ 200,362.7	\$ 57,847.3	\$ 14,637.7	\$ 2,475.0	7.0
Regulatory						
OER			\$ 845.6			
EERMC			\$ 845.6			
Regulatory SUBTOTAL			\$ 1,691.1			
TOTAL	2.01	\$ 282,282.0	\$ 116,806.0	\$ 18,435.8	\$ 5,500.0	10.4

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 2021 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	\$6,445	\$75	\$5	\$95	\$83	\$0	\$421	\$501	\$182	\$124	\$363	\$0	\$280	\$1,543	\$42	\$536	\$34	\$2,162
ENERGY STAR® HVAC	\$13,307	\$270	\$0	\$343	\$298	\$1	\$1,471	\$1,639	\$184	\$141	\$1,296	\$609	\$93	-\$11	\$225	\$1,685	\$112	\$4,953
EnergyWise	\$33,616	\$286	\$104	\$374	\$325	\$2	\$284	\$265	\$213	\$167	\$515	\$0	\$10,555	\$200	\$1,386	\$2,750	\$347	\$15,841
EnergyWise Multifamily	\$8,757	\$224	\$36	\$281	\$244	\$1	\$126	\$114	\$152	\$116	\$215	\$0	\$646	\$28	\$2,083	\$364	\$30	\$4,096
Home Energy Reports	\$8,531	\$251	\$1,287	\$406	\$352	\$10	\$692	\$560	\$317	\$213	\$920	\$0	\$0	\$0	\$843	\$38	\$2,642	
ENERGY STAR® Lighting	\$14,018	\$291	\$789	\$466	\$404	\$7	\$671	\$537	\$302	\$200	\$1,206	-\$260	-\$325	-\$120	\$822	\$632	\$11	\$8,387
Residential Consumer Products	\$11,373	\$487	\$14	\$729	\$633	\$5	\$750	\$732	\$459	\$402	\$1,806	\$16	\$40	\$18	\$0	\$1,150	\$54	\$4,075
Non-Income Eligible Residential SUBTOTAL	\$96,046	\$1,884	\$2,236	\$2,693	\$2,339	\$27	\$4,415	\$4,349	\$1,809	\$1,363	\$6,321	\$364	\$11,289	\$1,658	\$4,558	\$7,960	\$626	\$42,156
Income Eligible Residential																		
Single Family - Income Eligible Services	\$36,502	\$486	\$53	\$622	\$540	\$2	\$844	\$851	\$425	\$394	\$985	\$105	\$5,468	\$386	\$10,940	\$2,336	\$230	\$11,833
Income Eligible Multifamily	\$8,502	\$47	\$17	\$61	\$53	\$0	\$72	\$67	\$39	\$31	\$100	\$0	\$655	\$44	\$1,307	\$235	\$25	\$5,749
Income Eligible Residential SUBTOTAL	\$45,004	\$533	\$70	\$683	\$593	\$3	\$917	\$918	\$464	\$425	\$1,085	\$105	\$6,123	\$430	\$12,248	\$2,571	\$255	\$17,582
Commercial & Industrial																		
Large Commercial New Construction	\$58,649	\$2,676	\$0	\$3,343	\$2,903	\$9	\$4,146	\$2,454	\$3,316	\$2,061	\$4,673	-\$377	\$0	\$4	\$1,774	\$5,006	\$223	\$26,436
Large Commercial Retrofit	\$329,117	\$11,123	\$44	\$14,776	\$12,831	\$57	\$15,960	\$12,734	\$10,861	\$6,924	\$22,839	-\$6,820	\$0	\$199	\$26,459	\$17,987	\$550	\$182,593
Small Business Direct Install	\$36,191	\$976	\$0	\$1,324	\$1,150	\$6	\$2,326	\$1,255	\$1,994	\$917	\$3,844	-\$796	\$0	\$0	\$2,930	\$2,678	\$86	\$17,501
C&I SUBTOTAL	\$423,957	\$14,776	\$44	\$19,443	\$16,885	\$71	\$22,433	\$16,443	\$16,171	\$9,902	\$31,356	-\$7,993	\$0	\$203	\$31,163	\$25,671	\$859	\$226,529
TOTAL	\$565,007	\$17,193	\$2,349	\$22,819	\$19,817	\$101	\$27,764	\$21,710	\$18,444	\$11,690	\$38,763	-\$7,523	\$17,412	\$2,291	\$47,969	\$36,202	\$1,739	\$286,267

Table E-6A
National Grid
Summary of 2021 Impacts by Program (Energy Efficiency Measures)

	Load Reduction in kW		Electric Energy Savings				Gas Saved		Oil Saved		Propane Saved		Total Net Savings (Electric, Gas, Oil, Propane)	
			MWh		MMBtu		MMBtu		MMBtu		MMBtu		MMBtu	
	Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
Non-Income Eligible Residential														
Residential New Construction	66	234	979	18,088	3,342	61,715	-	-	439	10,970	1,755	43,869	5,535	116,554
ENERGY STAR® HVAC	204	741	3,181	51,309	10,854	175,067	4,068	61,092	224	3,730	(26)	(340)	15,119	239,549
EnergyWise	452	519	2,861	14,788	9,762	50,455	-	-	21,868	419,783	310	5,131	31,941	475,370
EnergyWise Multifamily	223	173	1,729	20,391	5,900	69,573	-	-	1,046	25,326	-	-	6,946	94,899
Home Energy Reports	3,692	5,706	26,852	26,852	91,619	91,619	-	-	-	-	-	-	91,619	91,619
ENERGY STAR® Lighting	1,872	2,264	11,533	26,801	39,350	91,444	(12,634)	(25,268)	(7,679)	(15,359)	(1,982)	(3,964)	17,055	46,854
Residential Consumer Products	1,019	718	5,926	38,130	20,221	130,101	80	1,596	81	1,607	25	172	20,407	133,476
Non-Income Eligible Residential SUBTOTAL	7,528	10,356	53,062	196,358	181,048	669,974	(8,486)	37,420	15,979	446,058	81	44,869	188,622	1,198,321
Income Eligible Residential														
Single Family - Income Eligible Services	486	501	3,325	39,378	11,346	134,357	959	12,015	11,314	217,579	96	1,742	23,714	365,693
Income Eligible Multifamily	70	91	2,062	31,690	7,036	108,126	-	-	1,239	25,915	-	-	8,275	134,041
Income Eligible Residential SUBTOTAL	557	592	5,387	71,068	18,382	242,483	959	12,015	12,553	243,494	96	1,742	31,989	499,734
Commercial & Industrial														
Large Commercial New Construction	1,856	1,121	11,837	189,441	40,387	646,371	(2,944)	(41,220)	-	-	-	-	37,443	605,151
Large Commercial Retrofit	11,648	14,665	59,496	744,562	203,000	2,540,445	(57,130)	(744,835)	-	-	-	-	145,870	1,795,610
Small Business Direct Install	1,134	962	9,696	105,134	33,083	358,716	(8,030)	(86,616)	-	-	-	-	25,053	272,100
C&I SUBTOTAL	14,638	16,747	81,029	1,039,136	276,471	3,545,532	(68,104)	(872,670)	-	-	-	-	208,366	2,672,861
TOTAL	22,723	27,695	139,478	1,306,562	475,900	4,457,988	(75,632)	(823,235)	28,531	689,552	177	46,610	428,977	4,370,916

Table E-6B
National Grid
Summary of 2021 Demand Response Benefits and Savings

	Benefits (000's)												Load Reduction (MW)	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 ConnectedSol	\$12,019	\$410	\$8,721	\$630	\$547	\$76	\$2	\$1	\$2	\$0	\$2	\$1,627	5.7	0.1	0.1
Commercial & Industrial															
Commercial ConnectedSc	\$29,465	\$700	\$14,874	\$3,691	\$3,205	\$447	\$0	\$0	\$0	\$0	\$0	\$6,548	33.6	0.0	0.0
TOTAL	\$41,484	\$1,110	\$23,595	\$4,321	\$3,752	\$524	\$2	\$1	\$2	\$0	\$2	\$8,175	39	0	0

Table E-7
National Grid
Comparison of 2021 and 2020 Goals and Tracking

	Proposed 2021 Goal				Proposed 2021 Tracking		Approved 2020			Difference		
	Annual Electric Energy Savings (MWh)	Lifetime 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	979	18,088	66		116,554	417	870	74		-9	110	
ENERGY STAR® HVAC	3,181	51,309	204		239,549	5,037	2,233	94		110	948	
EnergyWise	2,861	14,788	452		475,370	11,750	6,082	967		-515	-3,221	
EnergyWise Multifamily	1,729	20,391	223		94,899	4,000	2,793	364		-140	-1,063	
Home Energy Reports	26,852	26,852	3,692		91,619	323,248	23,239	3,195		497	3,613	
ENERGY STAR® Lighting	11,533	26,801	1,872		46,854	68,164	38,093	6,201		-4,329	-26,560	
Residential Consumer Products	5,926	38,130	1,019		133,476	33,111	4,768	714		305	1,158	
Residential ConnectedSolutions				5,739		4,178			1,672			4,066
Non-Income Eligible Residential SUBTOTAL	53,062	196,358	7,528	5,739	1,198,321	449,906	78,077	11,609	1,672	-4,081	-25,015	4,066
Income Eligible Residential		0										
Single Family - Income Eligible Services	3,325	39,378	486		365,693	3,630	3,755	566		-79	-430	
Income Eligible Multifamily	2,062	31,690	70		134,041	4,800	2,392	155		-85	-330	
Income Eligible Residential SUBTOTAL	5,387	71,068	557		499,734	8,430	6,147	721		-164	-760	
Commercial & Industrial		0										
Large Commercial New Construction	11,837	189,441	1,856		605,151	145	9,828	1,183		673	2,009	
Large Commercial Retrofit	59,496	744,562	11,648		1,795,610	2,882	72,871	14,933		-3,285	-13,375	
Small Business Direct Install	9,696	105,134	1,134		272,100	571	11,500	1,347		-213	-1,803	
Commercial ConnectedSolutions				33,600		180			49,000			-15,400
C&I SUBTOTAL	81,029	1,039,136	14,638	33,600	2,672,861	3,778	94,198	17,463	49,000	-2,825	-13,169	-15,400
TOTAL	139,478	1,306,562	22,723	39,339	4,370,916	462,114	178,423	29,793	50,672	-7,070	-38,944	-11,334

- Notes:
- (1) Planned 2021 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
2021 Targeted Performance Incentive**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Sector	Total Benefits (Without Economic Benefits) \$(000)	Programmatic Spending Budget \$(000)	Net Benefits \$(000)	Performance Incentive Payout Rate	Design level Incentive Pool Allocation	Target Incentive \$(000)	Threshold Net Benefits \$(000)	Threshold Incentive \$(000)	Maximum Net Benefits \$(000)	Maximum Incentive
Non-Income Eligible Residential	\$53,890	\$36,597	\$17,293	11.132%	35%	\$1,925	\$11,240	\$1,251	\$21,616	\$2,406
Income Eligible Residential	\$27,423	\$18,704	\$8,718	12.617%	20%	\$1,100	\$5,667	\$715	\$10,898	\$1,375
Commercial & Industrial	\$197,428	\$54,773	\$142,655	1.735%	45%	\$2,475	\$92,726	\$1,609	\$178,318	\$3,094
Equity Metric	NA	NA	NA	NA	0%	\$0	NA	NA	NA	NA
Total	\$278,740	\$110,074	\$168,666			\$5,500	\$109,633	\$3,575	\$210,832	\$6,875

Notes

- (1) Total Benefits exclude Economic Benefits. Equal to Column (1) - Column (18) in Table E-6
- (2) Eligible Spending Budget excludes Commitments, Regulatory Costs, Pilots, Assessments, Residential ConnectedSolutions, Commercial ConnectedSolutions, Performance Incentive. See Column 6 in Table E-3 for details.
- (3) Equal to Column (1) - Column (2)
- (4) Earning Rate for the sector
- (5) Distribution of design level total performance incentive pool to sectors
- (6) Equal to Column (3) X Column (4)
- (7) 65% of Column (3). No incentive is earned on Net Benefits in the sector unless the Company achieves at least this threshold level of performance.
- (8) 65% of Column (6)
- (9) 125% of Column (3). The Company earns no incentive on Net Benefits in the sector above this level of achieved performance. The programs may generate more benefits than this level, but this is the level of net benefits at which earning is capped.
- (10) The maximum incentive that the Company would earn at benefit levels in (9)

**Table E-9
National Grid
Revolving Loan Fund Projections**

Large C&I Revolving Loan Fund		Small Business Revolving Loan Fund	
(1) Total Loan Fund Deposits Through 2020	\$ 18,547,780	(1) Total Loan Fund Deposits Through 2020	\$ 3,303,570
(2) Current Loan Fund Balance	\$ 7,408,566	(2) Current Loan Fund Balance	\$ 2,597,443
<i>Loans Paid Year-To-Date</i>	\$ 2,234,593	<i>Loans Paid Year-To-Date</i>	\$ 555,775
<i>Repayments Year-To-Date</i>	\$ 3,458,470	<i>Repayments Year-To-Date</i>	\$ 1,034,229
(3) Projected Additional Loans by Year End 2020	\$ 3,250,825	(3) Projected Additional Loans by Year End 2020	\$ 276,160
(4) Projected Additional Repayments by Year End 2020	\$ 1,660,550	(4) Projected Additional Repayments by Year End 2020	\$ 250,248
(5) Projected Year End Loan Fund Balance 2020	\$ 5,818,292	(5) Projected Year End Loan Fund Balance 2020	\$ 2,571,531
(6) 2020 Funding Injection	\$ -	(6) 2020 Funding Injection	\$ -
(7) Projected Loan Fund Balance, January 2021	\$ 5,818,292	(7) Projected Loan Fund Balance, January 2021	\$ 2,571,531
(8) Projected Repayments throughout 2021	\$ 5,187,705	(8) Projected Repayments throughout 2021	\$ 372,268
(9) Estimated Loans in 2021	\$ 9,563,358	(9) Estimated Loans in 2021	\$ 1,500,000
(10) Projected Year End Loan Fund Balance 2021	\$ 1,442,639	(10) Projected Year End Loan Fund Balance 2021	\$ 1,443,798
Public Sector Revolving Loan Fund		Efficient Buildings Fund	
(1) Total Loan Fund Deposits Through 2020	\$ 516,542	(1) Energy Efficiency Funds allocated to EBF through 2020	\$ 22,087,113
(2) Current Loan Fund Balance	\$ 434,466	(2) Total EBF Loans Outstanding	\$ 17,792,489
<i>Funds returned to OER</i>	\$ -	<i>Loans Paid Year-To-Date</i>	\$ -
<i>Repayments Year-To-Date</i>	\$ 112,745	<i>Repayments Year-To-Date</i>	\$ -
(3) Projected Additional Loans by Year End	\$ -	(3) Projected Additional Loans by Year End 2020	\$ 27,200,000
(4) Projected Additional Repayments by Year End	\$ 29,860	(4) Projected Additional Repayments by Year End 2020	\$ 778,000
(5) Projected Year End Loan Fund Balance 2020	\$ 464,326	(5) Total EBF Loans Outstanding	\$ 44,214,489
(6) 2020 Fund Injection	\$ -	(6) 2021 Fund Injection	\$ 5,000,000
(7) Projected Loan Fund Balance, January 2021	\$ 464,326	(7) 2020 Beginning of Year EBF Loans Outstanding	\$ 44,214,489
(8) Projected Repayments throughout 2021	\$ 37,954	(8) Projected EBF Loan Repayments in 2021	\$ 982,000
(9) Estimated Loans in 2021	\$ -	(9) New EBF loans in 2021	\$ 23,875,000
(10) Projected Year End Loan Fund Balance 2021	\$ 502,280	(10) Projected Year End 2021 EBF Loans Outstanding	\$ 67,107,489
		(11) Energy Efficiency Funds allocated to EBF through 2021	\$ 27,087,113
		(12) Loans to Energy Efficiency Fund Contribution Ratio	2.5

Notes

- 1 Funding injections since loan funds began. Net of any adjustments.
- 2 Current Loan Fund Balance is through August 2020; it includes all loans and repayments made by August 2020. Public Sector Revolving Loan Fund reduced by transfers to RI PEP Incentives. EBF reports in terms of loans outstanding.
- 3 Projected Loans from September to Year-End 2020 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 2021 instead of 2020.
- 4 Projected Repayments from September to Year-End 2020 is estimated based on the monthly average amount of repayments.
- 5 Equal to (2) - (3) + (4). EBF equal to (2) - (3) + (4)
- 6 Proposed Efficient Buildings Fund Injection detailed on Table E-2 under Finance Costs
- 7 Equal to (5) + (6). EBF equal to line (5).
- 8 Assumption based on monthly average repayments in 2020 over 12 month period; repayments accumulate over time and may vary widely.
- 9 Amount projected to be lent to customers in 2021
- 10 Equal to (7) + (8) - (9). EBF equal to (7) - (8) + (9).

Table E-10
National Grid
Rhode Island Electric Energy Efficiency 2003 - 2021
\$(000)

Electric	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ⁽⁴⁾	2014	2015	2016	2017	2018	2019	2020 ⁽⁵⁾	2021 ⁽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	\$122.3
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	\$110.1
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	\$100.7		
Incentive Percentage ⁽¹⁰⁾	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	TBD
Target Incentive ⁽¹¹⁾	\$712,557	\$781,959	\$774,689	\$726,627	\$723,000	\$647,689	\$1,035,943	\$1,267,043	\$1,992,513	\$2,434,131	\$3,240,747	\$4,032,000	\$3,867,400	\$3,878,087	\$4,425,528	\$4,436,022	\$4,905,009	\$5,054,448	\$5,500,000
Earned Incentive	\$712,557	\$604,876	\$795,648	\$760,623	\$716,075	\$675,282	\$1,085,888	\$1,333,996	\$1,929,273	\$2,469,411	\$2,997,681	\$4,223,321	\$4,533,360	\$4,128,034	\$4,829,847	\$4,940,402	\$3,290,237		
Annual Summer Demand kW Savings Goal Achieved (%)				106%	106%	113%	142%	78%	71%	83%	114%	78%	112%	101%	103%	116%	98%		
Annual MWh Energy Savings Goal Achieved (%)				111%	102%	111%	115%	107%	94%	93%	99%	105%	115%	107%	115%	110%	98%		
Energy Efficiency Program Charge (\$/kWh) ⁽⁷⁾	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00320	\$0.00320	\$0.00526	\$0.00592	\$0.00876	\$0.00911	\$0.00953	\$0.01077	\$0.01124	\$0.00972	\$0.01121	\$0.01323	\$0.01323
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	\$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	\$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) 2020 values are planned.
- (6) 2021 values are proposed.
- (7) Beginning in 2012, the EE Program Charge includes the System Reliability Factor. It does not include the \$0.0003 renewables per RI General Laws §39-2-1.2 and Order #19608, which appears on customer bills.
- (8) Reflects the annual cost excluding Gross Earnings Tax.
- (9) Reflects the annual cost including Gross Earnings Tax.
- (10) Incentive percentage for 2021 is not shown, as the Company is currently developing a new performance incentive mechanism for 2021
- (11) Target incentive is calculated in the same way as in 2020 in order to provide a more accurate estimate of the energy efficiency surcharge.