

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

	<b>Income Eligible Residential</b>	<b>Projections by Sector Non-Income Eligible Residential</b>	<b>Commercial &amp; Industrial</b>	<b>Total</b>
(1) <b>Projected Budget (from E-2):</b>	<b>\$16,842.8</b>	<b>\$34,018.2</b>	<b>\$71,711.5</b>	<b>\$122,572.5</b>
<b>Sources of Other Funding:</b>				
(2) Projected DSM Commitments at Year-End 2021:	\$0.0	\$0.0	\$0.0	\$0.0
(3) Projected Year-End 2021 Fund Balance and Interest:	\$0.0	(\$9,156.2)	\$8,926.4	(\$229.8)
(4) Projected FCM Payments from ISO-NE:	\$434.6	\$5,570.3	\$8,580.6	\$14,585.5
(5) <b>Total Other Funding:</b>	<b>\$434.6</b>	<b>(\$3,585.9)</b>	<b>\$17,507.0</b>	<b>\$14,355.7</b>
(6) <b>Customer Funding Required:</b>	<b>\$16,408.2</b>	<b>\$37,604.1</b>	<b>\$54,204.5</b>	<b>\$108,216.8</b>
(7) <b>Forecasted kWh Sales:</b>	<b>201,866,350</b>	<b>2,587,346,620</b>	<b>3,985,640,851</b>	<b>6,774,853,822</b>
(8) Energy Efficiency Program charge per kWh, excluding uncollectible recovery:				<b>\$0.01597</b>
(9) Proposed SRP Opex Factor per kWh, excluding uncollectible recovery:				<u>\$0.00000</u>
(10) Total Proposed Energy Efficiency Charge per kWh, excluding uncollectible recovery:				\$0.01597
(11) Currently Effective Uncollectible Rate				1.30%
(12) <b>Proposed Energy Efficiency Program Charge per kWh, including Uncollectible Recovery:</b>				\$0.01618
(13) Currently Effective Energy Efficiency Program Charge per kwh				<u>\$0.01113</u>
(14) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00505

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 2022.
- (3) Fund balance projections include projected revenue and spend through year end with Income Eligible 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, 2021 as proposed in Section 12.1 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 SRP Opex Factor is \$0.00000. To be updated for final draft.
- (10) Line (8) + Line (9)
- (11) Uncollectible rate approved in Docket No 4770.
- (12) Line (10) ÷ (1-Line (11), truncated to 5 decimal places
- (13) Currently Effective EE Charge includes System Reliability Factor and uncollectible recovery.
- (14) Line (12) - Line (13)

**Table E-2  
National Grid  
2022 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
<b>Non-Income Eligible Residential</b>							
Residential New Construction	\$79.0	\$24.9	\$800.9	\$525.4	\$200.1		\$1,630.3
ENERGY STAR® HVAC	\$86.0	\$294.7	\$3,058.5	\$523.8	\$263.5		\$4,226.6
EnergyWise	\$377.0	\$393.0	\$13,588.3	\$1,469.8	\$287.8		\$16,116.0
EnergyWise Multifamily	\$92.7	\$90.9	\$2,613.8	\$441.1	\$41.0		\$3,279.5
Residential Consumer Products	\$75.9	\$595.4	\$1,627.9	\$542.0	\$23.0		\$2,864.2
Home Energy Reports	\$50.6	\$13.8	\$0.0	\$2,551.5	\$21.6		\$2,637.6
Residential ConnectedSolutions	\$37.6	\$12.0	\$1,347.1	\$368.1	\$37.6		\$1,802.4
Energy Efficiency Education Programs	\$0.0	\$40.0	\$0.0	\$0.0	\$0.0		\$40.0
Residential Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - Residential	\$33.7	\$125.0	\$96.2	\$0.0	\$0.0		\$254.9
Comprehensive Marketing - Residential	\$1.1	\$355.7	\$0.0	\$0.0	\$0.0		\$356.8
Residential Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<b>Subtotal - Non-Income Eligible Residential</b>	<b>\$833.7</b>	<b>\$1,945.5</b>	<b>\$23,132.7</b>	<b>\$6,421.6</b>	<b>\$874.8</b>	<b>\$0.0</b>	<b>\$33,208.3</b>
<b>Income Eligible Residential</b>							
Single Family - Income Eligible Services	\$312.2	\$142.2	\$10,756.0	\$1,963.8	\$74.8		\$13,249.0
Income Eligible Multifamily	\$105.3	\$17.6	\$3,024.0	\$343.5	\$40.2		\$3,530.6
Income Eligible Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<b>Subtotal - Income Eligible Residential</b>	<b>\$417.5</b>	<b>\$159.9</b>	<b>\$13,780.0</b>	<b>\$2,307.2</b>	<b>\$115.0</b>	<b>\$0.0</b>	<b>\$16,779.6</b>
<b>Commercial &amp; Industrial</b>							
Large Commercial New Construction	\$189.2	\$381.2	\$6,297.9	\$1,513.4	\$465.9		\$8,847.6
Large Commercial Retrofit	\$825.0	\$294.8	\$28,797.1	\$4,713.85	\$929.1		\$35,559.8
Small Business Direct Install	\$223.9	\$301.3	\$7,935.1	\$303.0	\$98.7		\$8,861.8
Commercial ConnectedSolutions	\$95.0	\$7.2	\$4,102.6	\$233.4	\$0.0		\$4,438.3
Commercial Pilots	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$0.0
Community Based Initiatives - C&I	\$11.2	\$41.7	\$32.1	\$0.0	\$0.0		\$85.0
Finance Costs	\$0.0	\$0.0	\$7,000.0	\$0.0	\$0.0		\$7,000.0
Commercial Workforce Development	\$0.0	\$0.0	\$0.0	\$171.5	\$0.0		\$171.5
Commercial & Industrial Performance Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5,500.0	\$5,500.0
<b>Subtotal - Commercial &amp; Industrial</b>	<b>\$1,344.3</b>	<b>\$1,026.1</b>	<b>\$54,164.6</b>	<b>\$6,935.1</b>	<b>\$1,493.7</b>	<b>\$5,500.0</b>	<b>\$70,463.9</b>
<b>Regulatory</b>							
OER	\$1,060.3	\$0.0	\$0.0	\$0.0	\$0.0		\$1,060.3
EERMC	\$1,060.3	\$0.0	\$0.0	\$0.0	\$0.0		\$1,060.3
<b>Subtotal - Regulatory</b>	<b>\$2,120.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$2,120.6</b>
<b>Grand Total</b>	<b>\$4,716.2</b>	<b>\$3,131.5</b>	<b>\$91,077.4</b>	<b>\$15,664.0</b>	<b>\$2,483.5</b>	<b>\$5,500.0</b>	<b>\$122,572.5</b>

**Notes:**

- (1) 2022 Large Commercial Retrofit Commitments (\$000):
- (2) For more information on Finance Costs, please refer to Attachment 2, Section 9.
- (3) OER and EERMC total 2.0% of customers' EE Program Charge collected on Table E-1, minus 2%.
- (4) Finance Costs are detailed in Table E-9.
- (5) Demonstrations and Assessments budgets are included in specific program level budgets listed above. More information on Demonstration and Assessments descriptions, budgets, and which program level budget they are included in can be found in Attachment 8.

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

	<b>Proposed 2022 Budget From E-2</b>	<b>Commitments</b>	<b>Regulatory Costs</b>	<b>Performance Incentive</b>	<b>Eligible Sector Spending Budget for Performance Incentive on E-8B</b>	<b>Implementation Expenses for Cost- Effectiveness on E-5</b>
<b>Non-Income Eligible Residential</b>						
Residential New Construction	\$1,630.3					\$1,630.3
ENERGY STAR@ HVAC	\$4,226.6					\$4,226.6
EnergyWise	\$16,116.0					\$16,116.0
EnergyWise Multifamily	\$3,279.5					\$3,279.5
Residential Consumer Products	\$2,864.2					\$2,864.2
Home Energy Reports	\$2,637.6					\$2,637.6
Residential ConnectedSolutions	\$1,802.4					\$1,802.4
Energy Efficiency Education Programs	\$40.0					\$40.0
Residential Pilots	\$0.0					\$0.0
Community Based Initiatives - Residential	\$254.9					\$254.9
Comprehensive Marketing - Residential	\$356.8					\$356.8
Residential Performance Incentive	\$0.0			\$0.0		\$0.0
<b>Subtotal - Non-Income Eligible Residential</b>	<b>\$33,208.3</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$31,405.9</b>	<b>\$33,208.3</b>
<b>Income Eligible Residential</b>						
Single Family - Income Eligible Services	\$13,249.0					\$13,249.0
Income Eligible Multifamily	\$3,530.6					\$3,530.6
Income Eligible Performance Incentive	\$0.0			\$0.0		\$0.0
<b>Subtotal - Income Eligible Residential</b>	<b>\$16,779.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$16,779.6</b>	<b>\$16,779.6</b>
<b>Commercial &amp; Industrial</b>						
Large Commercial New Construction	\$8,847.6	\$0.0				\$8,847.6
Large Commercial Retrofit	\$35,559.8	\$0.0				\$35,559.8
Small Business Direct Install	\$8,861.8	\$0.0				\$8,861.8
Commercial ConnectedSolutions	\$4,438.3					\$4,438.3
Commercial Pilots	\$0.0					\$0.0
Community Based Initiatives - C&I	\$85.0					\$85.0
Finance Costs	\$7,000.0					\$7,000.0
Commercial Workforce Development	\$171.5					\$171.5
Commercial & Industrial Performance Incentive	\$5,500.0			\$5,500.0		\$0.0
<b>Subtotal - Commercial &amp; Industrial</b>	<b>\$70,463.9</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$5,500.0</b>	<b>\$60,494.9</b>	<b>\$64,963.9</b>
<b>Regulatory</b>						
OER	\$1,060.3		\$1,060.3			\$1,060.3
EERMC	\$1,060.3		\$1,060.3			\$1,060.3
<b>Subtotal - Regulatory</b>	<b>\$2,120.6</b>	<b>\$0.0</b>	<b>\$2,120.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$2,120.6</b>
<b>Grand Total</b>	<b>\$122,572.5</b>	<b>\$0.0</b>	<b>\$2,120.6</b>	<b>\$5,500.0</b>	<b>\$108,680.4</b>	<b>\$117,072.5</b>

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

	<b>Proposed Implementation Budget 2022</b>	<b>Approved Implementation Budget 2021</b>	<b>Difference</b>
<b>Non-Income Eligible Residential</b>			
Residential New Construction	\$1,630.3	\$1,611.3	\$19.0
ENERGY STAR® HVAC	\$4,226.6	\$3,487.8	\$738.8
EnergyWise	\$16,116.0	\$15,692.2	\$423.8
EnergyWise Multifamily	\$3,279.5	\$2,804.3	\$475.2
ENERGY STAR® Lighting	\$0.0	\$5,274.8	-\$5,274.8
Residential Consumer Products	\$2,864.2	\$2,681.2	\$183.0
Home Energy Reports	\$2,637.6	\$2,641.7	-\$4.1
Residential ConnectedSolutions	\$1,802.4	\$1,920.5	-\$118.1
Energy Efficiency Education Programs	\$40.0	\$40.0	\$0.0
Residential Pilots	\$0.0	\$0.0	\$0.0
Community Based Initiatives - Residential	\$254.9	\$226.2	\$28.7
Comprehensive Marketing - Residential	\$356.8	\$332.7	\$24.1
<b>Subtotal - Non-Income Eligible Residential</b>	<b>\$33,208.3</b>	<b>\$36,712.7</b>	<b>-\$3,504.4</b>
<b>Income Eligible Residential</b>			
Single Family - Income Eligible Services	\$13,249.0	\$12,846.1	\$402.9
Income Eligible Multifamily	\$3,530.6	\$3,549.0	-\$18.4
<b>Subtotal - Income Eligible Residential</b>	<b>\$16,779.6</b>	<b>\$16,395.1</b>	<b>\$384.6</b>
<b>Commercial &amp; Industrial</b>			
Large Commercial New Construction	\$8,847.6	\$8,188.2	\$659.5
Large Commercial Retrofit	\$35,559.8	\$31,565.2	\$3,994.5
Small Business Direct Install	\$8,861.8	\$8,883.6	-\$21.7
Commercial ConnectedSolutions	\$4,438.3	\$2,990.1	\$1,448.1
Community Based Initiatives - C&I	\$85.0	\$74.5	\$10.4
Commercial Pilots	\$0.0	\$0.0	\$0.0
Finance Costs	\$7,000.0	\$5,000.0	\$2,000.0
Commercial Workforce Development	\$171.5	\$0.0	\$171.5
<b>Subtotal Commercial &amp; Industrial</b>	<b>\$64,963.9</b>	<b>\$56,701.6</b>	<b>\$8,262.3</b>
<b>Regulatory</b>			
EERMC	\$1,060.3	\$738.5	\$321.8
OER	\$1,060.3	\$738.5	\$321.8
<b>Subtotal Regulatory</b>	<b>\$2,120.6</b>	<b>\$1,477.0</b>	<b>\$643.6</b>
<b>TOTAL IMPLEMENTATION BUDGET</b>	<b>\$117,072.5</b>	<b>\$111,286.3</b>	<b>\$5,786.1</b>
<b>OTHER EXPENSE ITEMS</b>			
Commitments	\$0.0	\$0.0	\$0.0
Company Incentive	\$5,500.0	\$5,500.0	\$0.0
<b>Subtotal - Other Expense Items</b>	<b>\$5,500.0</b>	<b>\$5,500.0</b>	<b>\$0.0</b>
<b>TOTAL BUDGET</b>	<b>\$122,572.5</b>	<b>\$116,786.3</b>	<b>\$5,786.1</b>

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

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

	<b>RI Test Benefit/ Cost<sup>1</sup></b>	<b>Total Benefit</b>	<b>Program Implementation Expenses<sup>2</sup></b>	<b>Customer Contribution</b>	<b>Performance Incentive</b>	<b>¢/Lifetime kWh</b>
<b>Non-Income Eligible Residential</b>						
Residential New Construction	2.04	\$5,102.9	\$1,630.3	\$869.2		13.9
ENERGY STAR® HVAC	2.21	\$12,502.5	\$4,226.6	\$1,430.3		8.7
EnergyWise	1.02	\$17,084.3	\$16,116.0	\$555.0		128.1
EnergyWise Multifamily	1.05	\$4,002.9	\$3,279.5	\$532.0		18.3
Home Energy Reports	2.03	\$5,359.4	\$2,637.6	\$0.0		9.8
Residential Consumer Products	2.02	\$8,468.5	\$2,864.2	\$1,319.8		10.2
Residential ConnectedSolutions	1.50	\$2,698.6	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			
Residential Pilots			\$0.0			
Community Based Initiatives - Residential			\$254.9			
Comprehensive Marketing - Residential			\$356.8			
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>1.46</b>	<b>\$55,219.0</b>	<b>\$33,208.3</b>	<b>\$4,706.2</b>	<b>\$0.0</b>	<b>20.6</b>
<b>Income Eligible Residential</b>						
Single Family - Income Eligible Services	1.94	\$25,695.9	\$13,249.0	-\$2.1		34.4
Income Eligible Multifamily	0.73	\$2,574.5	\$3,530.6	\$0.0		14.5
<b>Income Eligible Residential SUBTOTAL</b>	<b>1.69</b>	<b>\$28,270.4</b>	<b>\$16,779.6</b>	<b>-\$2.1</b>	<b>\$0.0</b>	<b>26.7</b>
<b>Commercial &amp; Industrial</b>						
Large Commercial New Construction	3.22	\$30,935.4	\$8,847.6	\$749.5		5.6
Large Commercial Retrofit	1.97	\$94,155.8	\$35,559.8	\$12,309.4		8.1
Small Business Direct Install	1.19	\$11,851.2	\$8,861.8	\$1,078.9		16.2
Commercial ConnectedSolutions	2.31	\$10,252.5	\$4,438.3	\$0.0		N/A
Commercial Pilots			\$0.0			
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$7,000.0			
Commercial Workforce Development			\$171.5			
<b>C&amp;I SUBTOTAL</b>	<b>1.74</b>	<b>\$147,194.9</b>	<b>\$64,963.9</b>	<b>\$14,137.8</b>	<b>\$5,500.0</b>	<b>9.6</b>
<b>Regulatory</b>						
OER			\$1,060.3			
EERMC			\$1,060.3			
<b>Regulatory SUBTOTAL</b>			<b>\$2,120.6</b>			
<b>TOTAL</b>	<b>1.63</b>	<b>\$230,684.3</b>	<b>\$117,072.5</b>	<b>\$18,841.9</b>	<b>\$5,500.0</b>	<b>12.7</b>

Notes:

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

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

	<b>RI Test Benefit/ Cost<sup>1</sup></b>	<b>Total Benefit</b>	<b>Program Implementation Expenses<sup>2</sup></b>	<b>Customer Contribution</b>	<b>Performance Incentive</b>	<b>¢/Lifetime kWh</b>
<b>Non-Income Eligible Residential</b>						
Residential New Construction	2.95	\$7,385.3	\$1,630.3	\$869.2		13.9
ENERGY STAR® HVAC	3.27	\$18,504.3	\$4,226.6	\$1,430.3		8.7
EnergyWise	1.92	\$32,072.1	\$16,116.0	\$555.0		128.1
EnergyWise Multifamily	2.20	\$8,397.4	\$3,279.5	\$532.0		18.3
Home Energy Reports	3.03	\$7,997.0	\$2,637.6	\$0.0		9.8
Residential Consumer Products	3.06	\$12,822.1	\$2,864.2	\$1,319.8		10.2
Residential ConnectedSolutions	2.33	\$4,194.6	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			
Residential Pilots			\$0.0			
Community Based Initiatives - Residential			\$254.9			
Comprehensive Marketing - Residential			\$356.8			
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>2.29</b>	<b>\$91,372.8</b>	<b>\$33,208.3</b>	<b>\$4,706.2</b>	<b>\$0.0</b>	<b>20.6</b>
<b>Income Eligible Residential</b>						
Single Family - Income Eligible Services	2.80	\$37,090.0	\$13,249.0	-\$2.1		34.4
Income Eligible Multifamily	1.92	\$6,775.9	\$3,530.6	\$0.0		14.5
<b>Income Eligible Residential SUBTOTAL</b>	<b>2.45</b>	<b>\$43,865.9</b>	<b>\$16,779.6</b>	<b>-\$2.1</b>	<b>\$0.0</b>	<b>26.7</b>
<b>Commercial &amp; Industrial</b>						
Large Commercial New Construction	6.09	\$58,451.6	\$8,847.6	\$749.5		5.6
Large Commercial Retrofit	5.27	\$252,122.3	\$35,559.8	\$12,309.4		8.1
Small Business Direct Install	2.95	\$29,309.0	\$8,861.8	\$1,078.9		16.2
Commercial ConnectedSolutions	4.50	\$19,972.2	\$4,438.3	\$0.0		N/A
Commercial Pilots			\$0.0			
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$7,000.0			
Commercial Workforce Development			\$171.5			
<b>C&amp;I SUBTOTAL</b>	<b>4.41</b>	<b>\$359,855.1</b>	<b>\$64,963.9</b>	<b>\$14,137.8</b>	<b>\$5,500.0</b>	<b>9.6</b>
<b>Regulatory</b>						
OER			\$1,060.3			
EERMC			\$1,060.3			
<b>Regulatory SUBTOTAL</b>			<b>\$2,120.6</b>			
<b>TOTAL</b>	<b>3.50</b>	<b>\$495,093.9</b>	<b>\$117,072.5</b>	<b>\$18,841.9</b>	<b>\$5,500.0</b>	<b>12.7</b>

Notes:

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

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

	TRC Benefit/ Cost <sup>1</sup>	Total Benefit	Program Implementation Expenses <sup>2</sup>	Customer Contribution	Performance Incentive	¢/Lifetime kWh
<b>Non-Income Eligible Residential</b>						
Residential New Construction	1.63	\$4,076.2	\$1,630.3	\$869.2		\$13.9
ENERGY STAR® HVAC	1.62	\$9,145.2	\$4,226.6	\$1,430.3		\$8.7
EnergyWise	0.77	\$12,898.9	\$16,116.0	\$555.0		\$128.1
EnergyWise Multifamily	0.93	\$3,563.0	\$3,279.5	\$532.0		\$18.3
Home Energy Reports	1.36	\$3,600.0	\$2,637.6	\$0.0		\$9.8
Residential Consumer Products	1.46	\$6,107.8	\$2,864.2	\$1,319.8		\$10.2
Residential ConnectedSolutions	1.49	\$2,693.6	\$1,802.4	\$0.0		N/A
Energy Efficiency Education Programs			\$40.0			\$0.0
Residential Pilots			\$0.0			\$0.0
Community Based Initiatives - Residential			\$254.9			\$0.0
Comprehensive Marketing - Residential			\$356.8			\$0.0
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>1.11</b>	<b>\$42,084.6</b>	<b>\$33,208.3</b>	<b>\$4,706.2</b>	<b>\$0.0</b>	<b>\$20.6</b>
<b>Income Eligible Residential</b>						
Single Family - Income Eligible Services	1.66	\$21,972.4	\$13,249.0	-\$2.1		\$34.4
Income Eligible Multifamily	0.64	\$2,243.4	\$3,530.6	\$0.0		\$14.5
<b>Income Eligible Residential SUBTOTAL</b>	<b>1.44</b>	<b>\$24,215.8</b>	<b>\$16,779.6</b>	<b>-\$2.1</b>	<b>\$0.0</b>	<b>\$26.7</b>
<b>Commercial &amp; Industrial</b>						
Large Commercial New Construction	2.46	\$23,599.5	\$8,847.6	\$749.5		\$5.6
Large Commercial Retrofit	1.59	\$76,250.8	\$35,559.8	\$12,309.4		\$8.1
Small Business Direct Install	0.88	\$8,764.4	\$8,861.8	\$1,078.9		\$16.2
Commercial ConnectedSolutions	2.31	\$10,252.5	\$4,438.3			
Commercial Pilots			\$0.0			
Community Based Initiatives - C&I			\$85.0			
Finance Costs			\$7,000.0			
Commercial Workforce Development			\$171.5			
<b>C&amp;I SUBTOTAL</b>	<b>1.41</b>	<b>\$118,867.2</b>	<b>\$64,963.9</b>	<b>\$14,137.8</b>	<b>\$5,500.0</b>	<b>\$9.6</b>
<b>Regulatory</b>						
OER			\$1,060.3			
EERMC			\$1,060.3			
<b>Regulatory SUBTOTAL</b>			<b>\$2,120.6</b>			
<b>TOTAL</b>	<b>1.31</b>	<b>\$185,167.6</b>	<b>\$117,072.5</b>	<b>\$18,841.9</b>	<b>\$5,500.0</b>	<b>\$12.7</b>

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.

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

	Total		Benefits (000's)										Non Electric				Societal		
			Capacity					Energy				Electric Energy DRIPE	Natural Gas	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
			Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak								
Total	Total (Economic Excluded)	Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric Energy DRIPE	Natural Gas	Oil	Other Resource	Non Resource	Carbon	NOx	Economic	
<b>Non-Income Eligible Residential</b>																			
Residential New Construction	\$7,385	\$5,103	\$50	\$43	\$97	\$85	\$1	\$457	\$597	\$165	\$126	\$336	\$0	\$354	\$1,698	\$70	\$995	\$31	\$2,282
ENERGY STAR® HVAC	\$18,504	\$12,503	\$153	\$136	\$300	\$263	\$2	\$1,986	\$2,442	\$203	\$170	\$1,547	\$56	\$1,554	-\$16	\$348	\$3,238	\$119	\$6,002
EnergyWise	\$32,072	\$17,084	\$150	\$163	\$295	\$258	\$2	\$250	\$250	\$181	\$158	\$303	\$0	\$9,363	\$233	\$1,293	\$3,708	\$477	\$14,988
EnergyWise Multifamily	\$8,397	\$4,003	\$94	\$79	\$182	\$159	\$1	\$74	\$63	\$106	\$89	\$105	\$0	\$632	\$48	\$1,931	\$406	\$34	\$4,395
Home Energy Reports	\$7,997	\$5,359	\$207	\$450	\$365	\$320	\$6	\$646	\$531	\$251	\$183	\$640	\$0	\$0	\$0	\$0	\$1,736	\$23	\$2,638
Residential Consumer Products	\$12,822	\$8,468	\$306	\$683	\$692	\$606	\$9	\$776	\$799	\$431	\$418	\$1,287	\$15	\$42	\$41	\$3	\$2,328	\$33	\$4,354
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>\$87,178</b>	<b>\$52,520</b>	<b>\$959</b>	<b>\$1,555</b>	<b>\$1,931</b>	<b>\$1,691</b>	<b>\$20</b>	<b>\$4,188</b>	<b>\$4,683</b>	<b>\$1,337</b>	<b>\$1,144</b>	<b>\$4,218</b>	<b>\$70</b>	<b>\$11,945</b>	<b>\$2,003</b>	<b>\$3,645</b>	<b>\$12,411</b>	<b>\$718</b>	<b>\$34,658</b>
<b>Income Eligible Residential</b>																			
Single Family - Income Eligible Services	\$37,090	\$25,696	\$275	\$253	\$541	\$473	\$3	\$874	\$967	\$410	\$423	\$801	\$77	\$5,282	\$386	\$11,208	\$3,428	\$295	\$11,394
Income Eligible Multifamily	\$6,776	\$2,574	\$22	\$19	\$43	\$38	\$0	\$59	\$57	\$30	\$25	\$51	\$0	\$642	\$53	\$1,205	\$298	\$33	\$4,201
<b>Income Eligible Residential SUBTOTAL</b>	<b>\$43,866</b>	<b>\$89,259</b>	<b>\$297</b>	<b>\$271</b>	<b>\$584</b>	<b>\$511</b>	<b>\$3</b>	<b>\$933</b>	<b>\$1,024</b>	<b>\$440</b>	<b>\$448</b>	<b>\$851</b>	<b>\$77</b>	<b>\$5,924</b>	<b>\$439</b>	<b>\$12,412</b>	<b>\$3,726</b>	<b>\$329</b>	<b>\$15,596</b>
<b>Commercial &amp; Industrial</b>																			
Large Commercial New Construction	\$58,452	\$30,935	\$1,255	\$1,134	\$2,467	\$2,161	\$14	\$4,085	\$2,564	\$2,880	\$1,819	\$3,957	-\$257	\$0	\$4	\$1,517	\$7,247	\$89	\$27,516
Large Commercial Retrofit	\$252,122	\$94,156	\$4,318	\$6,588	\$9,122	\$7,989	\$83	\$13,334	\$12,572	\$7,077	\$5,799	\$14,730	-\$11,753	\$0	\$23	\$6,368	\$18,516	-\$611	\$157,967
Small Business Direct Install	\$29,309	\$11,851	\$235	\$583	\$544	\$476	\$7	\$1,308	\$748	\$985	\$498	\$1,987	-\$400	\$0	\$0	\$1,792	\$3,075	\$12	\$17,458
<b>C&amp;I SUBTOTAL</b>	<b>\$339,883</b>	<b>\$136,942</b>	<b>\$5,808</b>	<b>\$8,305</b>	<b>\$12,133</b>	<b>\$10,626</b>	<b>\$104</b>	<b>\$18,727</b>	<b>\$15,883</b>	<b>\$10,943</b>	<b>\$8,116</b>	<b>\$20,675</b>	<b>-\$12,410</b>	<b>\$0</b>	<b>\$28</b>	<b>\$9,677</b>	<b>\$28,838</b>	<b>-\$510</b>	<b>\$202,940</b>
<b>TOTAL</b>	<b>\$470,927</b>	<b>\$278,722</b>	<b>\$7,065</b>	<b>\$10,131</b>	<b>\$14,648</b>	<b>\$12,829</b>	<b>\$128</b>	<b>\$23,848</b>	<b>\$21,590</b>	<b>\$12,720</b>	<b>\$9,708</b>	<b>\$25,745</b>	<b>-\$12,262</b>	<b>\$17,869</b>	<b>\$2,470</b>	<b>\$25,734</b>	<b>\$44,975</b>	<b>\$537</b>	<b>\$253,194</b>



**Table E-6A**  
**National Grid**  
**Summary of 2022 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
<b>Non-Income Eligible Residential</b>														
Residential New Construction	75	270	990	17,937	3,377	61,202	-	-	567	14,167	1,721	43,035	5,665	118,405
ENERGY STAR® HVAC	205	892	3,915	64,797	13,357	221,087	400	6,097	4,230	63,905	(32)	(411)	17,956	290,677
EnergyWise	426	498	2,763	13,014	9,427	44,404	-	-	19,786	379,914	230	3,654	29,443	427,973
EnergyWise Multifamily	143	78	1,424	20,783	4,857	70,912	-	-	1,046	25,343	-	-	5,903	96,255
Home Energy Reports	3,692	5,706	26,852	26,852	91,619	91,619	-	-	-	-	-	-	91,619	91,619
Residential Consumer Products	1,063	768	6,285	40,877	21,445	139,472	84	1,672	85	1,683	25	370	21,639	143,198
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>5,605</b>	<b>8,211</b>	<b>42,228</b>	<b>184,260</b>	<b>144,082</b>	<b>628,696</b>	<b>484</b>	<b>7,769</b>	<b>25,714</b>	<b>485,014</b>	<b>1,945</b>	<b>46,648</b>	<b>172,226</b>	<b>1,168,127</b>
<b>Income Eligible Residential</b>														
Single Family - Income Eligible Services	480	501	3,314	38,506	11,306	131,383	958	11,562	11,178	214,399	63	1,121	23,505	358,466
Income Eligible Multifamily	49	64	1,538	24,309	5,247	82,943	-	-	1,239	25,915	-	-	6,486	108,858
<b>Income Eligible Residential SUBTOTAL</b>	<b>529</b>	<b>565</b>	<b>4,851</b>	<b>62,816</b>	<b>16,553</b>	<b>214,327</b>	<b>958</b>	<b>11,562</b>	<b>12,417</b>	<b>240,314</b>	<b>63</b>	<b>1,121</b>	<b>29,991</b>	<b>467,324</b>
<b>Commercial &amp; Industrial</b>														
Large Commercial New Construction	1,713	1,129	11,768	171,413	40,153	584,862	(2,368)	(30,783)	-	-	-	-	37,785	554,080
Large Commercial Retrofit	10,120	8,922	55,714	588,941	190,096	2,009,465	(95,012)	(1,409,039)	-	-	-	-	95,084	600,426
Small Business Direct Install	881	702	9,696	61,319	33,083	209,221	(8,030)	(48,183)	-	-	-	-	25,053	161,038
<b>C&amp;I SUBTOTAL</b>	<b>12,714</b>	<b>10,754</b>	<b>77,178</b>	<b>821,673</b>	<b>263,332</b>	<b>2,803,548</b>	<b>(105,410)</b>	<b>(1,488,004)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>157,922</b>	<b>1,315,544</b>
<b>TOTAL</b>	<b>18,848</b>	<b>19,530</b>	<b>124,257</b>	<b>1,068,749</b>	<b>423,967</b>	<b>3,646,571</b>	<b>(103,968)</b>	<b>(1,468,673)</b>	<b>38,131</b>	<b>725,328</b>	<b>2,009</b>	<b>47,770</b>	<b>360,138</b>	<b>2,950,995</b>

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

**Table E-6B**  
**National Grid**  
**Summary of 2022 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							
<b>Non-Income Eligible Residential</b>															
Residential ConnectedSol	\$4,195	\$227	\$933	\$705	\$618	\$207	\$2	\$2	\$0	\$0	\$5	\$1,496	7.1	0.1	0.1
<b>Commercial &amp; Industrial</b>															
Commercial ConnectedSc	\$19,972	\$646	\$2,651	\$3,207	\$2,809	\$941	\$0	\$0	\$0	\$0	\$0	\$9,720	32.4	0.0	0.0
<b>TOTAL</b>	<b>\$24,167</b>	<b>\$873</b>	<b>\$3,584</b>	<b>\$3,912</b>	<b>\$3,426</b>	<b>\$1,147</b>	<b>\$2</b>	<b>\$2</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5</b>	<b>\$11,216</b>	<b>39.5</b>	<b>0</b>	<b>0</b>

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

	Proposed 2022 Goal				Proposed 2022 Tracking		Approved 2021				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)	Lifetime Electric Energy Savings (MWh)	Annual Summer Demand Savings (kW)	Active Demand Response (kW)	Annual Energy Savings (MWh)	Lifetime Electric Energy Savings (MWh)	Annual Summer Demand Savings (kW)	Active Demand Response (kW)
<b>Non-Income Eligible Residential</b>														
Residential New Construction	990	17,937	75		118,405	462	979	18,088	66		10	-150	9	
ENERGY STAR® HVAC	3,915	64,797	205		290,677	5,982	3,181	51,309	204		734	13,488	1	
EnergyWise	2,763	13,014	426		427,973	12,000	2,841	14,385	445		-78	-1,371	-18	
EnergyWise Multifamily	1,424	20,783	143		96,255	3,600	1,240	16,307	158		183	4,476	-15	
Home Energy Reports	26,852	26,852	3,692		91,619	323,248	26,852	26,852	3,692		0	0	0	
ENERGY STAR® Lighting	0	0	0		0	0	11,533	26,801	1,872		-11,533	-26,801	-1,872	
Residential Consumer Products	6,285	40,877	1,063		143,198	34,692	5,926	38,130	1,019		359	2,747	45	
Residential ConnectedSolutions				7,126		4,178			5,431				0	1,695
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>42,228</b>	<b>184,260</b>	<b>5,605</b>	<b>7,126</b>	<b>1,168,127</b>	<b>384,162</b>	<b>52,553</b>	<b>191,872</b>	<b>7,455</b>	<b>5,431</b>	<b>-10,325</b>	<b>-7,612</b>	<b>-1,851</b>	<b>1,695</b>
<b>Income Eligible Residential</b>		0						0						
Single Family - Income Eligible Services	3,314	38,506	480		358,466	3,583	3,120	36,909	457		194	1,598	22	
Income Eligible Multifamily	1,538	24,309	49		108,858	3,600	1,554	22,545	70		-16	1,764	-21	
<b>Income Eligible Residential SUBTOTAL</b>	<b>4,851</b>	<b>62,816</b>	<b>529</b>		<b>467,324</b>	<b>7,183</b>	<b>4,674</b>	<b>59,454</b>	<b>527</b>		<b>177</b>	<b>3,361</b>	<b>2</b>	
<b>Commercial &amp; Industrial</b>		0						0						
Large Commercial New Construction	11,768	171,413	1,713		554,080	90	11,837	189,441	1,856		-69	-18,027	-143	
Large Commercial Retrofit	55,714	588,941	10,120		600,426	2,396	59,496	744,562	11,648		-3,782	-155,621	-1,528	
Small Business Direct Install	9,696	61,319	881		161,038	474	9,696	105,134	1,134		0	-43,815	-253	
Commercial ConnectedSolutions				32,400		180			33,600					-1,200
<b>C&amp;I SUBTOTAL</b>	<b>77,178</b>	<b>821,673</b>	<b>12,714</b>	<b>32,400</b>	<b>1,315,544</b>	<b>3,140</b>	<b>81,029</b>	<b>1,039,136</b>	<b>14,638</b>	<b>33,600</b>	<b>-3,851</b>	<b>-217,463</b>	<b>-1,924</b>	<b>-1,200</b>
<b>TOTAL</b>	<b>124,257</b>	<b>1,068,749</b>	<b>18,848</b>	<b>39,526</b>	<b>2,950,995</b>	<b>394,485</b>	<b>138,256</b>	<b>1,290,462</b>	<b>22,621</b>	<b>39,031</b>	<b>-13,998</b>	<b>-221,713</b>	<b>-3,773</b>	<b>495</b>

Notes:

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

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

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	Capacity					Energy					Utility NEIs	Non Electric			Societal			
	Summer Generation	Capacity DRIPE	Transmission	Distribution	Reliability	Winter Peak Energy	Winter Off Peak Energy	Summer Peak Energy	Summer Off Peak Energy	Electric Energy DRIPE	Utility NEIs	Natural Gas and DRIPE	Oil and Oil DRIPE	Propane and Water	Non Resource	Carbon	NOx	Economic
<b>Non-Income Eligible Residential</b>																		
Residential New Construction	\$50	\$43	\$97	\$85	\$1	\$457	\$597	\$165	\$126	\$336	\$0	\$0	\$354	\$1,698	\$70	\$995	\$31	\$2,282
ENERGY STAR® HVAC	\$153	\$136	\$300	\$263	\$2	\$1,986	\$2,442	\$203	\$170	\$1,547	\$0	\$56	\$1,554	-\$16	\$348	\$3,238	\$119	\$6,002
EnergyWise	\$150	\$163	\$295	\$258	\$2	\$250	\$250	\$181	\$158	\$303	\$0	\$0	\$9,363	\$233	\$1,293	\$3,708	\$477	\$14,988
EnergyWise Multifamily	\$94	\$79	\$182	\$159	\$1	\$74	\$63	\$106	\$89	\$105	\$0	\$0	\$632	\$48	\$1,931	\$406	\$34	\$4,395
Home Energy Reports	\$207	\$450	\$365	\$320	\$6	\$646	\$531	\$251	\$183	\$640	\$0	\$0	\$0	\$0	\$0	\$1,736	\$23	\$2,638
Residential Consumer Products	\$306	\$683	\$692	\$606	\$9	\$776	\$799	\$431	\$418	\$1,287	\$0	\$15	\$42	\$41	\$3	\$2,328	\$33	\$4,354
<b>Income Eligible Residential SUBTOTAL</b>	<b>\$959</b>	<b>\$1,555</b>	<b>\$1,931</b>	<b>\$1,691</b>	<b>\$20</b>	<b>\$4,188</b>	<b>\$4,683</b>	<b>\$1,337</b>	<b>\$1,144</b>	<b>\$4,218</b>	<b>\$0</b>	<b>\$70</b>	<b>\$11,945</b>	<b>\$2,003</b>	<b>\$3,645</b>	<b>\$12,411</b>	<b>\$718</b>	<b>\$34,658</b>
<b>Income Eligible Residential</b>																		
Single Family - Income Eligible Services	\$275	\$253	\$541	\$473	\$3	\$874	\$967	\$410	\$423	\$801	\$273	\$77	\$5,282	\$386	\$10,935	\$3,428	\$295	\$11,394
Income Eligible Multifamily	\$22	\$19	\$43	\$38	\$0	\$59	\$57	\$30	\$25	\$51	\$340	\$0	\$642	\$53	\$865	\$298	\$33	\$4,201
<b>Income Eligible Residential SUBTOTAL</b>	<b>\$297</b>	<b>\$271</b>	<b>\$584</b>	<b>\$511</b>	<b>\$3</b>	<b>\$933</b>	<b>\$1,024</b>	<b>\$440</b>	<b>\$448</b>	<b>\$851</b>	<b>\$613</b>	<b>\$77</b>	<b>\$5,924</b>	<b>\$439</b>	<b>\$11,799</b>	<b>\$3,726</b>	<b>\$329</b>	<b>\$15,596</b>
<b>Commercial &amp; Industrial</b>																		
Large Commercial New Construction	\$1,255	\$1,134	\$2,467	\$2,161	\$14	\$4,085	\$2,564	\$2,880	\$1,819	\$3,957	\$0	-\$257	\$0	\$4	\$1,517	\$7,247	\$89	\$27,516
Large Commercial Retrofit	\$4,318	\$6,588	\$9,122	\$7,989	\$83	\$13,334	\$12,572	\$7,077	\$5,799	\$14,730	\$0	-\$11,753	\$0	\$23	\$6,368	\$18,516	-\$611	\$157,967
Small Business Direct Install	\$235	\$583	\$544	\$476	\$7	\$1,308	\$748	\$985	\$498	\$1,987	\$0	-\$400	\$0	\$0	\$1,792	\$3,075	\$12	\$17,458
<b>C&amp;I SUBTOTAL</b>	<b>\$5,808</b>	<b>\$8,305</b>	<b>\$12,133</b>	<b>\$10,626</b>	<b>\$104</b>	<b>\$18,727</b>	<b>\$15,883</b>	<b>\$10,943</b>	<b>\$8,116</b>	<b>\$20,675</b>	<b>\$0</b>	<b>-\$12,410</b>	<b>\$0</b>	<b>\$28</b>	<b>\$9,677</b>	<b>\$28,838</b>	<b>-\$510</b>	<b>\$202,940</b>
Included in PIM? (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
Percent Application in PIM	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	50%	50%	0%	0%	0%
Category	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Resource Benefits	Resource Benefits	Resource Benefits	NA	NA	NA	NA

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

**Table E-8B**  
**National Grid**  
**2022 Electric PIM Costs**

	(1)	(2)	(3)
	Costs (\$)		
	Eligible Spending Budget from Table E-3	Regulatory Costs	Total Costs for PIM Calculations
<b>Non-Income Eligible Residential SUBTOTAL</b>	\$31,405,874	\$706,870	\$32,112,744
<b>Income Eligible Residential SUBTOTAL</b>	\$16,779,628	\$706,870	\$17,486,498
<b>C&amp;I SUBTOTAL</b>	\$60,494,908	\$706,870	\$61,201,779
Included in PIM? (Y/N)	Y	Y	Y

**Notes**

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

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

Sector PI = min( Payout Cap(i), [Actual Net Benefits\* Design Payout Rate(g) \* Payout Rate Adjustment(i)] )

Sector	Planned Eligible Benefits		Planned Eligible Costs	Planned Eligible Net Benefits (4)	Design Performance Achievement	Design Performance Payout	Design Payout Rate	Design Payout Rate Thresholds	Payout Rate Adjustments	Payout Cap	Service Quality Metric
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	100% Electric Utility System Benefits	50% Resource Benefits	Eligible Spending Budget + Regulatory Costs	=(a)-(b)-(c)	Net benefits at which design incentive pool is achieved	Set by PUC	=(f)/(e)	Achievement levels at which the Payout Rate Adjustments in (i) will be applied—Set by PUC	Factor to adjust Design Payout Rate for if final program achievement fall within the ranges in (h)—Set by PUC	=1.25*(j)	Yes if (d) ≤ 0; No if (d) > 0
										Cap on sector payout regardless of achievement in sector	See Service Quality Table
Non-Income Eligible Residential	\$21,727,226	\$7,009,205	\$32,112,744	-\$3,376,313	\$2,000,000	\$500,000	25%	a. Achievement < 25% b. 25% ≤ Achievement < 50% c. 50% ≤ Achievement < 75% d. 75% ≤ Achievement e. Spending > Planned Eligible Costs	a. B.0 b. Achievement/100 + 0.1 c. Achievement/100 + 0.25 d. B.0 e. See Boundary Rules	\$625,000	Yes
Income Eligible Residential	\$5,975,707	\$3,220,366	\$17,486,498	-\$8,290,425	\$2,000,000	\$500,000	25%			\$625,000	Yes
Commercial & Industrial	\$111,320,213	-\$6,191,153	\$61,201,779	\$43,927,281	\$43,927,281	\$5,500,000	13%			\$6,875,000	No

Sector SQA = Maximum Service Adjustment(e) \* Service Achievement Scaling Factor(g)

	Planned Eligible Benefits		Planned Eligible Costs	Design Service Achievement	Maximum Service Adjustment	Service Adjustment Thresholds	Service Achievement Scaling Factors	Achievement Cost Adjustment
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	100% Electric Utility System Benefits	50% Resource Benefits	Eligible Spending Budget + Regulatory Costs	=(a)-(b)	Maximum downward adjustment to earned incentive—Set by PUC	Adjusted Achievement levels at which the Service Adjustments in (e) will be applied; adjustment is calculated in (h)	Factor to scale program achievement that fall within the ranges in (f)	Actual-cost-based adjustment factor applied to achievement. Result is if the difference between achievement and cost variances are greater than 5%, the Actual Achievement will be adjusted for use in
Non-Income Eligible Residential	\$21,727,226	\$7,009,205	\$32,112,744	\$28,736,431	\$1,251,250	a. Adjusted Achievement < 65% b. 65% ≤ Adjusted Achievement < 95% c. 95% ≤ Adjusted Achievement	a. B b. (95-Adjusted Achievement)/30 c. B	Performance Variance = "Actual Benefits" / "Design Achievement" - "Spending" / "Planned Eligible Cost"  If the absolute value (Performance Variance) ≤ 0.05, Then Adjusted Achievement = Actual Achievement Else Adjusted Achievement = Actual Achievement * (1 + Performance Variance)
Income Eligible Residential	\$5,975,707	\$3,220,366	\$17,486,498	\$9,196,073	\$715,000			
Commercial & Industrial	\$111,320,213	-\$6,191,153	\$61,201,779	N/A	N/A			

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

<b>Large C&amp;I Revolving Loan Fund</b>		<b>Small Business Revolving Loan Fund</b>	
(1) Total Loan Fund Deposits Through 2021	\$ 18,547,780	(1) Total Loan Fund Deposits Through 2021	\$ 3,303,570
(2) Current Loan Fund Balance	\$ 7,424,199	(2) Current Loan Fund Balance	\$ 2,740,071
<i>Loans Paid Year-To-Date</i>	\$ 2,345,824	<i>Loans Paid Year-To-Date</i>	\$ 409,440
<i>Repayments Year-To-Date</i>	\$ 2,151,298	<i>Repayments Year-To-Date</i>	\$ 442,655
(3) Projected Additional Loans by Year End 2021	\$ 5,770,777	(3) Projected Additional Loans by Year End 2021	\$ 567,000
(4) Projected Additional Repayments by Year End 2021	\$ 2,738,840	(4) Projected Additional Repayments by Year End 2021	\$ 295,674
<b>(5) Projected Year End Loan Fund Balance 2021</b>	<b>\$ 4,392,262</b>	<b>(5) Projected Year End Loan Fund Balance 2021</b>	<b>\$ 2,468,745</b>
(6) 2022 Fund Injection	\$ 2,000,000	(6) 2022 Fund Injection	\$ -
<b>(7) Projected Loan Fund Balance, January 2022</b>	<b>\$ 6,392,262</b>	<b>(7) Projected Loan Fund Balance, January 2022</b>	<b>\$ 2,468,745</b>
(8) Projected Repayments throughout 2022	\$ 3,628,003	(8) Projected Repayments throughout 2022	\$ 195,631
(9) Estimated Loans in 2022	\$ 8,928,261	(9) Estimated Loans in 2022	\$ 1,500,000
<b>(10) Projected Year End Loan Fund Balance 2022</b>	<b>\$ 1,092,004</b>	<b>(10) Projected Year End Loan Fund Balance 2022</b>	<b>\$ 1,164,377</b>
<b>Public Sector Revolving Loan Fund</b>		<b>Efficient Buildings Fund</b>	
(1) Total Loan Fund Deposits Through 2021	\$ 54,065	(1) Energy Efficiency Funds allocated to EBF through 2021	\$ 22,087,113
(2) Current Loan Fund Balance	\$ 28,949	(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>	\$ 28,877	<i>Repayments Year-To-Date</i>	\$ -
(3) Projected Additional Loans by Year End	\$ -	(3) Projected Additional Loans by Year End 2021	\$ 27,200,000
(4) Projected Additional Repayments by Year End	\$ 18,110	(4) Projected Additional Repayments by Year End 2021	\$ 778,000
<b>(5) Projected Year End Loan Fund Balance 2021</b>	<b>\$ 47,060</b>	<b>(5) Total EBF Loans Outstanding</b>	<b>\$ 44,214,489</b>
(6) 2022 Fund Injection	\$ -	(6) 2022 Fund Injection	\$ 5,000,000
<b>(7) Projected Loan Fund Balance, January 2022</b>	<b>\$ 47,060</b>	<b>(7) 2021 Beginning of Year EBF Loans Outstanding</b>	<b>\$ 44,214,489</b>
(8) Projected Repayments throughout 2022	\$ 2,945	(8) Projected EBF Loan Repayments in 2022	\$ 982,000
(9) Estimated Loans in 2022	\$ -	(9) New EBF loans in 2022	\$ 23,875,000
<b>(10) Projected Year End Loan Fund Balance 2022</b>	<b>\$ 50,005</b>	<b>(10) Projected Year End 2021 EBF Loans Outstanding</b>	<b>\$ 67,107,489</b>
		(11) Energy Efficiency Funds allocated to EBF through 2022	\$ 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 May 2021; it includes all loans and repayments made by May 2021. Public Sector Revolving Loan Fund reduced by transfers to RI PEP Incentives. EBF reports in terms of loans outstanding.
- 3 Projected Loans from June to Year-End 2021 is estimated based on projects currently under construction that are anticipated to be paid out by year-end. It is difficult to project this amount accurately due to the fact that projects could be delayed by a month or two resulting in payment occurring in 2022 instead of 2021.
- 4 Projected Repayments from June to Year-End 2021 is estimated based on the monthly average amount of repayments.
- 5 Equal to (2) - (3) + (4). 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 2021 over 12 month period; repayments accumulate over time and may vary widely.
- 9 Amount projected to be lent to customers in 2022
- 10 Equal to (7) + (8) - (9). EBF equal to (7) - (8) + (9).
- 11 EBF Revolving Loan Fund Details will be updated for the Final Draft of the 2022 Annual Plan

**Table E-10**  
**National Grid**  
**Rhode Island Electric Energy Efficiency 2003 - 2022**  
**\$(000)**

Electric	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 <sup>(4)</sup>	2014	2015	2016	2017	2018	2019	2020 <sup>(5)</sup>	2021 <sup>(6)</sup>	2022 <sup>(5)</sup>
Energy Efficiency Budget (\$Million) <sup>(1)</sup>	\$23.1	\$22.6	\$23.1	\$22.4	\$22.5	\$21.0	\$32.4	\$37.6	\$59.2	\$61.4	\$77.5	\$87.0	\$86.6	\$87.5	\$94.6	\$94.6	\$107.5	\$111.1	\$116.8	\$122.6
Spending Budget (\$Million) <sup>(2)</sup>	\$16.3	\$15.8	\$17.6	\$16.5	\$16.4	\$14.7	\$23.5	\$28.8	\$45.3	\$55.3	\$64.8	\$80.6	\$77.3	\$77.6	\$88.5	\$88.7	\$98.1	\$101.1	\$104.8	\$108.7
Actual Expenditures (\$Million) <sup>(3)</sup>	\$22.8	\$19.5	\$23.4	\$23.7	\$21.9	\$19.2	\$31.7	\$29.7	\$40.0	\$50.7	\$72.9	\$85.3	\$87.4	\$78.4	\$94.8	\$93.0	\$100.7	\$88.2		
Incentive Percentage <sup>(10)</sup>	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	N/A	N/A
Target Incentive <sup>(11)</sup>	\$712,557	\$781,959	\$774,689	\$726,627	\$723,000	\$647,689	\$1,035,943	\$1,267,043	\$1,992,513	\$2,434,131	\$3,240,747	\$4,032,000	\$3,867,400	\$3,878,087	\$4,425,528	\$4,436,022	\$4,905,009	\$5,054,448	\$5,500,000	\$5,500,000
Earned Incentive	\$712,557	\$604,876	\$795,648	\$760,623	\$716,075	\$675,282	\$1,085,888	\$1,333,996	\$1,929,273	\$2,469,411	\$2,997,681	\$4,223,321	\$4,533,360	\$4,128,034	\$4,829,847	\$4,940,402	\$3,290,237	\$3,242,675		
Annual Summer Demand kW Savings Goal Achieved (%)				106%	106%	113%	142%	78%	71%	83%	114%	78%	112%	101%	103%	116%	98%	79%		
Annual MWh Energy Savings Goal Achieved (%)				111%	102%	111%	115%	107%	94%	93%	99%	105%	115%	107%	115%	110%	98%	88%		
Energy Efficiency Program Charge (\$/kWh) <sup>(7)</sup>	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00320	\$0.00320	\$0.00526	\$0.00592	\$0.00876	\$0.00911	\$0.00953	\$0.01077	\$0.01124	\$0.00972	\$0.01121	\$0.01323	\$0.01113	\$0.01618
Annual Cost to 500 kWh/month Residential Customer w/o tax <sup>(8)</sup>	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$19.20	\$19.20	\$31.56	\$35.52	\$52.56	\$54.66	\$57.18	\$64.62	\$67.44	\$58.32	\$67.26	\$79.38	\$66.78	\$97.08
Annual Cost to 500 kWh/month Residential Customer w/ tax <sup>(9)</sup>	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$20.00	\$20.00	\$32.88	\$37.00	\$54.75	\$56.94	\$59.56	\$67.31	\$70.25	\$60.75	\$70.06	\$82.69	\$69.56	\$101.13

**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) 2021 values are planned.
- (6) 2022 values are proposed.
- (7) Beginning in 2012, the EE Program Charge includes the System Reliability Factor. It does not include the \$0.0003 renewables per RI General Laws §39-2-1.2 and Order #19608, which appears on customer bills.
- (8) Reflects the annual cost excluding Gross Earnings Tax.
- (9) Reflects the annual cost including Gross Earnings Tax.
- (10) Incentive percentage not applicable for 2021 due to new performance incentive mechanism developed for the 2021 Annual Plan. See Section 12 of the Main Text of the 2021 Annual Plan for additional details.
- (11) Target incentive is calculated in the same way as in 2021 in order to provide a more accurate estimate of the energy efficiency surcharge.