

Program Cost-Effectiveness - 2022 ACTUAL

	Granite State Test Benefit/Cost Ratio	Granite State Test Benefits (\$000) ^{1,3}	Utility Costs (\$000 - 2022\$) ²	Customer Costs (\$000 - 2022\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
Residential Programs											
B1 - Home Energy Assistance	1.45	8,500.3	5,876.7	-	1,701.7	19,188.2	318.4	256.0	823	10,483.0	229,344.7
A1 - Energy Star Homes	11.43	22,229.1	1,944.7	1,445.2	1,863.5	42,788.1	502.8	96.3	1,287	26,822.4	615,838.8
A2 - Home Performance with Energy Star	4.32	18,270.9	4,224.6	786.6	644.4	10,668.4	145.4	91.3	1,055	31,248.0	674,140.2
A3 - Energy Star Products	2.07	4,931.8	2,376.9	1,588.4	3,677.1	39,783.1	678.4	610.4	20,612	2,225.6	39,119.2
A5 - Residential Active Demand Response	-	-	99.5	-	-	-	-	-	1,039	-	-
A6a - Res Customer Engagement	-	-	1.5	-	-	-	-	-	-	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	4.7	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	69.2	-	-	-	-	-	-	-	-
Sub-Total Residential	3.69	53,932.1	14,597.8	3,820.2	7,886.7	112,427.8	1,645.0	1,054.1	24,816	70,779.0	1,558,443.0
Commercial, Industrial & Municipal											
C1 - Large Business Energy Solutions	2.61	26,858.5	10,280.2	11,561.3	29,742.8	338,036.0	3,624.0	3,650.4	715	(11,471.3)	(115,154.8)
C2 - Small Business Energy Solutions	2.69	18,688.3	6,939.6	3,667.7	19,566.7	223,493.8	2,512.6	2,905.7	5,339	(11,005.6)	(114,161.6)
C3 - Municipal Energy Solutions	2.93	3,454.0	1,177.7	1,963.6	3,481.3	39,530.4	397.6	533.6	76	(1,413.8)	(14,324.6)
C4 - Energy Rewards RFP Program	-	-	(5.0)	-	-	-	-	-	-	-	-
C5 - C&I Active Demand Response	-	-	586.9	-	-	-	-	-	35	-	-
C6a - C&I Customer Engagement	-	-	2.2	-	-	-	-	-	-	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	11.0	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	98.3	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	15.2	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.56	49,000.8	19,106.0	17,192.6	52,790.8	601,060.2	6,534.2	7,089.6	6,165	(23,890.7)	(243,641.0)
C6e - Smart Start	-	-	19.6	-	-	-	-	-	-	-	-
Total	3.05	102,932.9	33,723.3	21,012.8	60,677.5	713,488.0	8,179.2	8,143.7	30,981	46,888.3	1,314,801.9

Notes:

- (1) The Granite State Test is used as the primary cost test, as approved in Order No. 36,322, and includes an annual NEI adder of \$405.71 per weatherization project in the Home Energy Assistance program.
- (2) Utility and Customer Costs and Benefits are expressed in 2022 Dollars.
- (3) Per past precedent, discount and inflation rates have been updated for the year in which measures will be installed, and were updated as of June 2021 for program year 2022.

Annual kWh Savings	60,677,528	81.5%	kWh > 55%	Lifetime kWh Savings	713,487,977	64.9%	kWh > 55%
Annual MMBTU Savings (in kWh)	13,741,613	18.5%		Lifetime MMBTU Savings (in kWh)	385,330,424	35.1%	
	74,419,141	100.0%			1,098,818,401	100.0%	
Annual Savings as a % of 2019 Sales	0.79%		Spending per Customer	Low-Income	\$ 247.27		
				Residential	\$ 20.85		
				C&I	\$ 245.46		

Program Cost-Effectiveness - 2022 PLAN

	Granite State Test Benefit/ Cost Ratio	Granite State Test Benefits (\$000) ^{1,3}	Utility Costs (\$000 - 2022\$) ²	Customer Costs (\$000 - 2022\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
Residential Programs											
B1 - Home Energy Assistance	1.67	14,058.7	8,421.3	-	1,087.3	15,921.8	162.7	268.2	501	16,741.2	354,477.1
A1 - Energy Star Homes	6.11	11,313.2	1,850.4	245.9	826.2	17,848.0	217.9	31.1	427	11,103.0	265,823.7
A2 - Home Performance with Energy Star	4.24	29,526.1	6,967.3	1,754.3	1,925.8	37,380.1	345.4	452.6	1,968	41,032.5	925,273.0
A3 - Energy Star Products	2.11	8,687.3	4,109.8	1,416.2	7,147.2	72,301.4	1,435.9	1,064.5	64,056	975.5	59,109.6
A5 - Residential Active Demand Response	-	-	123.2	-	-	-	-	-	2,055	-	-
A6a - Res Customer Engagement	-	-	-	-	-	-	-	-	-	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	48.0	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	209.6	-	-	-	-	-	-	-	-
Sub-Total Residential	2.93	63,585.4	21,729.6	3,416.4	10,986.4	143,451.3	2,161.9	1,816.5	69,007	69,852.2	1,604,683.4
Commercial, Industrial & Municipal											
C1 - Large Business Energy Solutions	2.35	20,686.4	8,790.0	6,964.7	20,718.7	252,273.8	2,312.6	2,733.0	265	(5,792.8)	(62,497.2)
C2 - Small Business Energy Solutions	2.52	24,008.3	9,520.6	5,447.8	26,477.2	302,766.0	3,406.1	3,844.9	3,157	(19,858.2)	(213,105.3)
C3 - Municipal Energy Solutions	2.25	3,095.2	1,375.3	886.4	2,878.0	37,283.8	253.6	292.3	175	(480.9)	(4,056.0)
C4 - Energy Rewards RFP Program	-	-	-	-	-	-	-	-	-	-	-
C5 - C&I Active Demand Response	-	-	378.7	-	-	-	-	-	28	-	-
C6a - C&I Customer Engagement	-	-	-	-	-	-	-	-	-	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	108.0	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	201.2	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	15.3	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.34	47,789.9	20,389.2	13,299.0	50,073.9	592,323.5	5,972.4	6,870.1	3,625	(26,132.0)	(279,658.6)
C6e - Smart Start	-	-	30.0	-	-	-	-	-	-	-	-
Total	2.64	111,375.3	42,148.8	16,715.4	61,060.4	735,774.8	8,134.3	8,686.6	72,632	43,720.2	1,325,024.8

Notes:

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- (2) Utility and Customer Costs and Benefits are expressed in 2022 Dollars.
- (3) Per past precedent, discount and inflation rates have been updated for the year in which measures will be installed, and were updated as of June 2021 for program year 2022.

Annual kWh Savings	61,060,351	82.7%	kWh > 55%	Lifetime kWh Savings	735,774,773	65.5%	kWh > 55%									
Annual MMBTU Savings (in kWh)	<u>12,813,137</u>	<u>17.3%</u>		Lifetime MMBTU Savings (in kWh)	<u>388,326,459</u>	<u>34.5%</u>										
	73,873,489	100.0%			1,124,101,232	100.0%										
Annual Savings as a % of 2019 Sales				0.79%												
Spending per Customer				<table border="1"> <tbody> <tr> <td>Low-Income</td> <td>\$</td> <td>354.34</td> </tr> <tr> <td>Residential</td> <td>\$</td> <td>31.82</td> </tr> <tr> <td>C&I</td> <td>\$</td> <td>261.95</td> </tr> </tbody> </table>				Low-Income	\$	354.34	Residential	\$	31.82	C&I	\$	261.95
Low-Income	\$	354.34														
Residential	\$	31.82														
C&I	\$	261.95														

Present Value Benefits - 2022 ACTUAL

	Total Benefits (\$000)	Resource Benefits (\$000)											Non-Resource Benefits (\$000) ²			Environmental Benefits (\$000) ³			
		Electric											Non-Electric		Total Resource Benefits		Fossil Emissions	Other Non-Resource Benefits	Total Non-Resource Benefits
		CAPACITY					ENERGY				Electric DRIPE	Total Electric Benefit	Other Fuels	Water Benefit					
		Granite State Test ¹	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak									
Residential Programs																			
B1 - Home Energy Assistance	\$ 8,500	\$ 142	\$ -	\$ 245	\$ 253	\$ -	\$ 398	\$ 395	\$ 173	\$ 148	\$ 94	\$ 1,848	\$ 4,516	\$ 3	\$ 6,367	\$ 401	\$ 1,733	\$ 2,134	\$ 854
A1 - Energy Star Homes	\$ 22,229	\$ 94	\$ -	\$ 151	\$ 156	\$ -	\$ 1,085	\$ 1,343	\$ 96	\$ 79	\$ 126	\$ 3,130	\$ 18,019	\$ 30	\$ 21,179	\$ 1,050	\$ 5,287	\$ 6,337	\$ 1,315
A2 - Home Performance with Energy Star	\$ 18,271	\$ 71	\$ -	\$ 114	\$ 118	\$ -	\$ 222	\$ 272	\$ 70	\$ 59	\$ 33	\$ 958	\$ 16,155	\$ 15	\$ 17,128	\$ 1,143	\$ 4,278	\$ 5,421	\$ 359
A3 - Energy Star Products	\$ 4,932	\$ 274	\$ -	\$ 490	\$ 506	\$ -	\$ 817	\$ 895	\$ 333	\$ 281	\$ 183	\$ 3,780	\$ 792	\$ 303	\$ 4,875	\$ 57	\$ 1,143	\$ 1,199	\$ 1,761
A5 - Residential Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A6a - Res Customer Engagement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 53,932	\$ 580	\$ -	\$ 1,000	\$ 1,032	\$ -	\$ 2,522	\$ 2,905	\$ 671	\$ 567	\$ 436	\$ 9,715	\$ 39,482	\$ 352	\$ 49,549	\$ 2,650	\$ 12,441	\$ 15,091	\$ 4,289
Commercial/Industrial Programs																			
C1 - Large Business Energy Solutions	\$ 26,859	\$ 1,838	\$ -	\$ 3,283	\$ 3,388	\$ -	\$ 5,915	\$ 4,565	\$ 4,699	\$ 3,551	\$ 1,671	\$ 28,910	\$ (1,905)	\$ -	\$ 27,004	\$ (146)	\$ 2,700	\$ 2,555	\$ 15,959
C2 - Small Business Energy Solutions	\$ 18,688	\$ 1,563	\$ -	\$ 2,757	\$ 2,846	\$ -	\$ 4,332	\$ 2,729	\$ 3,495	\$ 1,961	\$ 1,111	\$ 20,794	\$ (1,956)	\$ 3	\$ 18,842	\$ (153)	\$ 1,884	\$ 1,731	\$ 10,478
C3 - Municipal Energy Solutions	\$ 3,454	\$ 272	\$ -	\$ 485	\$ 501	\$ -	\$ 820	\$ 503	\$ 574	\$ 327	\$ 202	\$ 3,684	\$ (212)	\$ -	\$ 3,472	\$ (18)	\$ 347	\$ 329	\$ 1,853
C5 - C&I Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6a - C&I Customer Engagement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6d - C&I Customer Partnerships	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 49,001	\$ 3,673	\$ -	\$ 6,525	\$ 6,734	\$ -	\$ 11,067	\$ 7,797	\$ 8,768	\$ 5,839	\$ 2,984	\$ 53,388	\$ (4,073)	\$ 3	\$ 49,318	\$ (317)	\$ 4,931	\$ 4,614	\$ 28,289
C6e - Smart Start	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 102,933	\$ 4,253	\$ -	\$ 7,525	\$ 7,766	\$ -	\$ 13,589	\$ 10,702	\$ 9,440	\$ 6,407	\$ 3,420	\$ 63,103	\$ 35,409	\$ 355	\$ 98,867	\$ 2,333	\$ 17,373	\$ 19,706	\$ 32,579

Notes:
(1) The Granite State Test is used as the primary cost test, as approved in Order No. 36,322. Benefits are calculated based on net savings.
(2) Non-resource benefits include NEIs, which are only applied to the Home Energy Assistance program in the GST primary cost test.
(3) Non-embedded environmental benefits are not included in the GST primary cost test.

Present Value Benefits - 2022 PLAN

	Total Benefits (\$000)	Resource Benefits (\$000)												Non-Resource Benefits (\$000) ²			Environmental Benefits (\$000) ³								
		Electric												Non-Electric		Total Resource Benefits		Fossil Emissions	Other Non-Resource Benefits	Total Non-Resource Benefits					
		CAPACITY					ENERGY				Electric DRIPE	Total Electric Benefit	Other Fuels	Water Benefit											
		Granite State Test ¹	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak					Summer Off Peak										
Residential Programs																									
B1 - Home Energy Assistance	\$ 14,059	\$ 231	\$ -	\$ 374	\$ 386	\$ -	\$ 223	\$ 232	\$ 218	\$ 188	\$ 52	\$ 1,904	\$ 8,892	\$ 20	\$ 10,817	\$ 640	\$ 2,602	\$ 3,242	\$ 601						
A1 - Energy Star Homes	\$ 11,313	\$ 23	\$ -	\$ 38	\$ 39	\$ -	\$ 471	\$ 564	\$ 32	\$ 26	\$ 57	\$ 1,250	\$ 9,499	\$ 84	\$ 10,834	\$ 479	\$ 2,687	\$ 3,167	\$ 571						
A2 - Home Performance with Energy Star	\$ 29,526	\$ 479	\$ -	\$ 762	\$ 787	\$ -	\$ 590	\$ 706	\$ 417	\$ 352	\$ 100	\$ 4,193	\$ 23,560	\$ 10	\$ 27,764	\$ 1,763	\$ 6,938	\$ 8,701	\$ 1,221						
A3 - Energy Star Products	\$ 8,687	\$ 462	\$ -	\$ 822	\$ 848	\$ -	\$ 1,566	\$ 1,635	\$ 581	\$ 480	\$ 339	\$ 6,732	\$ 1,137	\$ 731	\$ 8,600	\$ 88	\$ 1,967	\$ 2,055	\$ 3,219						
A5 - Residential Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
A6a - Res Customer Engagement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Sub-Total Residential	\$ 63,585	\$ 1,195	\$ -	\$ 1,996	\$ 2,060	\$ -	\$ 2,851	\$ 3,136	\$ 1,249	\$ 1,046	\$ 548	\$ 14,080	\$ 43,088	\$ 846	\$ 58,014	\$ 2,969	\$ 14,195	\$ 17,164	\$ 5,613						
Commercial/Industrial Programs																									
C1 - Large Business Energy Solutions	\$ 20,686	\$ 1,544	\$ -	\$ 2,709	\$ 2,796	\$ -	\$ 4,965	\$ 2,854	\$ 3,601	\$ 2,182	\$ 1,151	\$ 21,801	\$ (1,033)	\$ -	\$ 20,768	\$ (82)	\$ 2,077	\$ 1,995	\$ 11,003						
C2 - Small Business Energy Solutions	\$ 24,008	\$ 2,051	\$ -	\$ 3,617	\$ 3,733	\$ -	\$ 5,880	\$ 3,723	\$ 4,662	\$ 2,638	\$ 1,506	\$ 27,810	\$ (3,525)	\$ -	\$ 24,285	\$ (277)	\$ 2,428	\$ 2,152	\$ 14,157						
C3 - Municipal Energy Solutions	\$ 3,095	\$ 172	\$ -	\$ 301	\$ 311	\$ -	\$ 866	\$ 497	\$ 485	\$ 274	\$ 172	\$ 3,080	\$ 20	\$ -	\$ 3,100	\$ (4)	\$ 310	\$ 306	\$ 1,640						
C5 - C&I Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
C6a - C&I Customer Engagement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
C6d - C&I Customer Partnerships	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Sub-Total Commercial & Industrial	\$ 47,790	\$ 3,767	\$ -	\$ 6,628	\$ 6,840	\$ -	\$ 11,711	\$ 7,074	\$ 8,748	\$ 5,094	\$ 2,829	\$ 52,691	\$ (4,538)	\$ -	\$ 48,152	\$ (362)	\$ 4,815	\$ 4,453	\$ 26,800						
C6e - Smart Start	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Total	\$ 111,375	\$ 4,962	\$ -	\$ 8,623	\$ 8,900	\$ -	\$ 14,562	\$ 10,210	\$ 9,997	\$ 6,140	\$ 3,377	\$ 66,771	\$ 38,550	\$ 846	\$ 106,166	\$ 2,607	\$ 19,010	\$ 21,617	\$ 32,413						

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 (2) Non-resource benefits include NEIs, which are only applied to the Home Energy Assistance program in the GST primary cost test.
 (3) Non-embedded environmental benefits are not included in the GST primary cost test.

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of		Actual PI	Source
					Coefficient	Coefficient	Planned PI	Planned PI		
1 Lifetime kWh Savings	735,774,773	551,831,080	713,487,977	97%	1.925%	1.867%	\$ 810,787	\$ 1,013,484	\$ 626,673	Planned and Actual
2 Annual kWh Savings	61,060,351	45,795,264	60,677,528	99%	0.550%	0.547%	\$ 231,653	\$ 289,567	\$ 183,485	Planned and Actual
3 Summer Peak Demand kW	8,687	5,646	8,144	94%	0.660%	0.619%	\$ 277,984	\$ 347,480	\$ 207,724	Planned and Actual
4 Winter Peak Demand kW	8,134	5,287	8,179	101%	0.440%	0.442%	\$ 185,323	\$ 231,653	\$ 148,530	Planned and Actual
5 Total Resource Benefits	\$ 106,166,496		\$ 98,866,966	93%						Planned and Actual
6 Total Utility Costs ^{1,2,3}	\$ 42,118,798		\$ 33,571,324	80%						Planned and Actual
7 Net Benefits	\$ 64,047,698	\$ 48,035,774	\$ 65,295,642	102%	1.925%	1.963%	\$ 810,787	\$ 1,013,484	\$ 658,840	Line 5 - Line 6
8 Total					5.500%	5.437%	\$ 2,316,534	\$ 2,895,667	\$ 1,825,251	

	Granite State Test		Source
	Planned	Actual	
9 Total Benefits (incl. NEIs)	\$ 111,375,279	\$ 102,932,904	Planned and Actual from Cost Eff Tab
10 Performance Incentive	\$ 2,316,534	\$ 1,825,251	from row 8 above
11 Total Utility Costs	\$ 42,118,798	\$ 33,571,324	from row 6 above
12 Portfolio GST BCR	2.51	2.91	row 9 divided by rows 10+11

All dollar values are expressed in 2022 dollars.

¹ Note that in order to avoid a circular reference in the calculation of performance incentive, "Total Utility Costs" does not include the value of PI.

² Net of Smart Start

³ Actual PI includes adjustment for C&I ADR expenditures over 120% of budget, in accordance with the Commission's June 11, 2021 Secretarial Letter in Docket DE 20-092

2022 End of Year Reconciliation

	<u>2022</u>
Beginning Balance - Carryforward Over/(Under) Recovery	\$ 54,980
Other Funding	
RSA 374-F:3 DOE Funding	<u>\$ 290,312</u>
Funding	
System Benefits Charge	39,008,078
RGGI Funding	1,842,316
FCM Payments	4,964,274
2022 Interest	497,730
Total Program Funding	<u>\$ 46,312,399</u>
Total All Funding Sources	<u>\$ 46,602,711</u>
Other Expenses	
RSA 374-F:3 DOE Funding	-
Expenses	
Energy Efficiency Expenditures	33,723,346
2022 Performance Incentive booked as December 31, 2022 (include the 2022 PI and 2021 PI true-up)	1,991,771
Exclude 2021 Performance Incentive True-up booked in 2022	(374,894)
2022 Performance Incentive True-up to be booked in 2023	208,374
Eversource Facilities Expenses ¹	369,743
Eversource Facilities Addition Funding ¹	-
Total Program Expenses	<u>\$ 35,918,339</u>
Total All Expenses	<u>\$ 35,918,339</u>
Activity	<u>\$ 10,684,371</u>
Ending Balance - Over/(Under) Recovery ¹	<u>\$ 10,739,351</u>

Notes

- Reference RSA 125-O:5 2022 Compliance Report dated June 1, 2023
\$500k was set aside in 2023 using 2022 unencumbered funds

Eversource
2022 Reconciliation of General Ledger Transactions and Energy Efficiency Program Transactions

Carry Forward General Ledger - 01/01/2022	\$ 590,037
Carry Forward General Ledger - 12/31/2022	<u>11,107,888</u>
2022 Net General Ledger Activity	<u><u>\$ 10,517,851</u></u>

	General Ledger Transactions	Deduct 2021 Transactions Included in 2022 GL	Add 2022 Transactions Included in 2023 GL	2022 Program Year
Beginning Balance - Carryforward Over/(Under) Recovery				\$54,980
Other Funding				
RSA 374-F:3 DOE Funding	\$ 290,312			\$ 290,312
Program Funding				
System Benefits Charge	\$ 39,008,078	\$ -	\$ -	\$ 39,008,078
RGGI Funding	1,842,316	-	-	1,842,316
FCM Payments	4,964,274	-	-	4,964,274
2022 Interest	497,730	-	-	497,730
Total Funding	\$ 46,312,399	\$ -	\$ -	\$ 46,312,399
Total All Funding	\$ 46,602,711	\$ -	\$ -	\$ 46,602,711
Other Expenses				
RSA 374-F:3 DOE Funding	\$ -			\$ -
Program Expenses				
Energy Efficiency Expenditures	\$ 33,723,346	\$ -	\$ -	\$ 33,723,346
2022 Performance Incentive booked as December 31, 2022 (include the 2022 PI and 2021 PI true-up)	1,991,771	-	-	1,991,771
Exclude 2021 Performance Incentive True-up booked in 2022	-	374,894	-	(374,894)
2022 Performance Incentive True-up to be booked in 2023	-	-	208,374	208,374
Eversource Facilities Expenses ¹	369,743	-	-	369,743
Eversource Facilities Addition Funding ¹	-	-	-	-
	<u>36,084,860</u>	<u>374,894</u>	<u>208,374</u>	<u>35,918,339</u>
Total All Expenses	\$ 36,084,860	\$ 374,894	\$ 208,374	\$ 35,918,339
Net: Funding less Expenses	\$ 10,517,851	\$ (374,894)	\$ (208,374)	\$ 10,684,371
Ending Balance - Over/(Under) Recovery ¹				<u><u>\$10,739,351</u></u>

Notes

- Reference RSA 125-O:5 2022 Compliance Report dated June 1, 2023
\$500k was set aside in 2023 using 2022 unencumbered funds

**Low & Moderate Income HPwES Grant
 2022 Performance Incentive Calculation**

Energy Efficiency Fund RFP #18-005

	2019	2020	2021	2022	Total
Total Expenses	\$ -	\$ -	\$ 17,963	\$ 46,152	\$ 64,115
Percentage	5.5%	5.5%	5.5%	5.5%	5.5%
Total Performance Incentive	\$ -	\$ -	\$ 988	\$ 2,538	\$ 3,526
Total Expenditures					\$ 67,641

2022 Actuals
January 2022 - December 2022

Smart Start Program

Description	Amount
Year-to-Date Amount Available to Loan	
Loan Fund Balance	\$ 1,487,470
Less: Year-to-Date Loans	1,262,406
Plus: Loan Repayments (excluding reserve for bad debt)	673,958
Current Balance	\$ 899,021
Less: Loans in Process	210,795
Less: Potential Loans	-
Less: Future Committed Loans	-
Add: Anticipated Loan Repayments Thru Year End	-
Amount Available to Loan	\$ 688,227
Year-to-Date Reserve for Bad Debt (Uncollectibles)	
Initial Balance	\$ 164,737
Plus: Bad Debt Collections	33,698
Less: Bad Debt Charges	-
Ending Balance	\$ 198,435
Year-to-date Administrative and Implementation Expenses	\$ 32,019
Year-to-date Payments to Contractors Supporting Customer Projects	\$ 1,262,406
2022 Year-to-date Performance Incentive	\$ 40,437
2021 True-up Performance Incentive recorded on 2022	\$ 6,452

Notes:

(1) The performance incentive is based on 6% of the loan repayments.

Public Service Company of New Hampshire d/b/a Eversource Energy
 Monthly and Cumulative Savings and Lost Base Revenue
 January 1, 2022 to December 31, 2022

Line	Description	Cumulative Annual kWh Savings / Monthly												2022 Annual kWh and Monthly kW Savings	Cumulative Annual kWh Savings / Monthly 12/31/2022	
		Actual Dec-21	Actual Jan-22	Actual Feb-22	Actual Mar-22	Actual Apr-22	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22	Actual Nov-22			Actual Dec-22
1	Residential Annual kWh Savings (2018-2021)	68,846,728	566,601	263,060	620,652	743,780	482,817	382,155	903,299	823,360	578,581	724,354	712,326	1,085,739	7,886,725	73,095,379
2	C&I Annual kWh Savings (2018)	38,157,478	-	-	-	-	-	-	-	-	-	-	-	-	-	38,157,478
3	C&I Annual kWh Savings (2019-2021)	215,490,430	6,799,437	2,475,327	1,446,248	1,207,018	4,196,185	3,077,312	2,520,581	1,192,172	4,088,559	5,004,211	6,254,584	14,529,169	52,790,803	268,281,233
4	C&I Monthly Installed kW Savings	33,439	858	415	189	204	651	384	432	114	483	801	645	2,069	7,245	40,684
		Total 2022												Lost Base Revenue		
5	Monthly Residential Savings (2022)	47,217	21,922	51,721	61,982	40,235	31,846	75,275	68,613	48,215	60,363	59,360	90,478	657,227	657,227	
6	Retired Measures	27,546	27,913	34,891	41,502	40,768	35,259	28,280	26,077	28,648	12,288	-	-	303,173	303,173	
7	Cumulative Residential Savings	5,737,227	5,756,898	5,750,907	5,767,736	5,788,216	5,787,682	5,784,270	5,831,264	5,873,801	5,893,368	5,941,443	6,000,803	6,091,282		
8	Average Residential kWh Distribution Rate	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124		
9	Total Lost Residential Revenue	\$ 294,966	\$ 294,659	\$ 295,521	\$ 296,570	\$ 296,543	\$ 296,368	\$ 298,776	\$ 300,956	\$ 301,958	\$ 304,421	\$ 307,463	\$ 312,099	\$ 3,600,301	\$ 3,600,301	
10	Monthly C&I Savings (2018)	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790	3,179,790		
11	Average C&I kWh Distribution Rate	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074	0.03074		
12	Lost C&I kWh Revenue	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 97,740	\$ 1,172,883	
13	Monthly C&I Savings (2022)	566,620	206,277	120,521	100,585	349,682	256,443	210,048	99,348	340,713	417,018	521,215	1,210,764			
14	Cumulative C&I Savings	17,957,536	18,524,156	18,730,433	18,850,953	18,951,538	19,301,220	19,557,663	19,767,712	19,867,059	20,207,772	20,624,790	21,146,005	22,356,769		
15	Average C&I kWh Distribution Rate	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124	0.01124		
16	Lost C&I kWh Revenue	\$ 208,245	\$ 210,564	\$ 211,919	\$ 213,049	\$ 216,980	\$ 219,863	\$ 222,225	\$ 223,342	\$ 227,172	\$ 231,860	\$ 237,719	\$ 251,330	\$ 2,674,268	\$ 2,674,268	
17	Monthly C&I kW Savings (2022)	858	415	189	204	651	384	432	114	483	801	645	2,069			
18	Cumulative Monthly C&I kW Savings	33,439	34,297	34,711	34,900	35,104	35,755	36,139	36,571	36,685	37,168	37,969	38,615	40,684		
19	Average C&I Demand Rate	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49		
20	Lost C&I Demand Revenue	\$ 291,297	\$ 294,818	\$ 296,422	\$ 298,153	\$ 303,684	\$ 306,948	\$ 310,618	\$ 311,583	\$ 315,687	\$ 322,491	\$ 327,972	\$ 345,549	\$ 3,725,221	\$ 3,725,221	
21	Total Lost C&I kWh and Demand Revenue	\$ 597,282	\$ 603,122	\$ 606,080	\$ 608,943	\$ 618,405	\$ 624,552	\$ 630,583	\$ 632,665	\$ 640,599	\$ 652,091	\$ 663,431	\$ 694,619	\$ 7,572,372	\$ 7,572,372	
22	Total Lost Revenue	\$ 892,248	\$ 897,781	\$ 901,602	\$ 905,513	\$ 914,948	\$ 920,920	\$ 929,359	\$ 933,620	\$ 942,557	\$ 956,512	\$ 970,894	\$ 1,006,718	\$ 11,172,673	\$ 11,172,673	

Lines 1-4: Company Actuals
 Line 5: Line 1 / 12
 Line 6: Company Actuals
 Line 7: Prior Month Line 7 + Current Month Line 5 + Previous Month Line 5 - Current Month Line 6
 Line 8: Page 12, Column 8
 Line 9: Line 7 x Line 8
 Line 10: Line 1, Column B / 12
 Line 11: Page 12, Column 8
 Line 12: Line 10 x Line 11
 Line 13: Line 3 / 12
 Line 14: Prior Month Line 14 + Current Month Line 13
 Line 15: Page 12, Column 7
 Line 16: Line 14 x Line 15
 Line 17: Line 4
 Line 18: Prior Month Line 18 + Current Month Line 17
 Line 19: Page 12, Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21

Public Service Company of New Hampshire d/b/a Eversource Energy
Lost Base Revenue Reconciliation (Preliminary)
January 1, 2022 to December 31, 2022
(\$ in 000's)

Line	Description	Actual Carryover Dec-21	Actual Jan-22	Actual Feb-22	Actual Mar-22	Actual Apr-22	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22	Actual Nov-22	Actual Dec-22	2022 Total
	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
1	Total Revenue Recovery		463	452	411	389	706	1,143	1,276	1,484	1,272	1,024	1,030	1,191	10,839
2	Total Lost Revenues		892	898	902	906	915	921	929	934	943	957	971	1,007	11,173
3	Current Month (Over)/Under Recovery		429	446	491	517	209	(222)	(346)	(550)	(329)	(67)	(59)	(184)	333
4	Cumulative (Over)/Under Recovery	1,883	2,312	2,757	3,248	3,765	3,974	3,752	3,405	2,855	2,526	2,459	2,400	2,216	
5	Carrying Charge Rate (Prime Rate)		0.2708%	0.2708%	0.2808%	0.2917%	0.3283%	0.3650%	0.4042%	0.4583%	0.4775%	0.5208%	0.5792%	0.6058%	
6	Carrying Charge on Deferral Balance		6	7	8	10	13	14	14	14	13	13	14	14	141
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		2,317	2,770	3,269	3,796	4,018	3,810	3,478	2,942	2,626	2,571	2,527	2,356	
8	Total Sales (MWh)		712,609	695,660	632,237	598,209	587,290	617,815	689,536	802,104	687,362	553,498	556,560	643,644	7,776,524
9	SBC Rate (LBR Component in cents per kWh)		0.065	0.065	0.065	0.065	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185	

Line 1: (Line 8 x Line 9) / 100

Line 2: Page 9, Line 22 / 1000

Line 3: Line 2 - Line 1

Line 4: Prior month Line 4 + Current month Line 3

Line 5: Prime Rate / 12

Line 6: (Prior Month Line 4 + Current Month Line 4) / 2 x Line 5

Line 7: Line 4 + Line 6

Line 8: Company Actuals

Line 9: Approved Rate

**Public Service Company of New Hampshire d/b/a Eversource Energy
Calculation of Forecasted Average Distribution Rate for Lost Revenue
Based on Actual Billing Determinants and Distribution Rates***

	(1)	(2)	(3) = (1) + (2)	(4)	(5)	(6) = (1) + (4)	(7) = (2) / (5)	(8) = (3) / (5)
	For the Period 01/01/22 Through 12/31/22							
<u>Rate Class</u>	<u>Demand</u> <u>Charges</u>	<u>Revenue</u> <u>kWh</u> <u>Charges</u>	<u>Total Demand</u> <u>and kWh</u> <u>Charges</u>	<u>Delivery</u> <u>kW</u>	<u>Delivery</u> <u>kWh</u>	<u>Average</u> <u>Distribution Rate</u> <u>\$/kW</u>	<u>Average</u> <u>Distribution Rate</u> <u>\$/kWh^(a)</u>	<u>Average</u> <u>Distribution Rate</u> <u>\$/kWh^(b)</u>
Residential	\$ -	\$ 173,956,689	\$ 173,956,689	\$ -	3,395,141,862	N/A	N/A	\$ 0.05124
General Service Rate G	\$ 40,446,960	\$ 32,596,024	\$ 73,042,984	3,439,722	1,616,163,985	\$ 9.48	\$ 0.02017	\$ 0.04520
Primary General Service Rate GV	\$ 27,901,596	\$ 10,426,507	\$ 38,328,103	4,067,414	1,595,794,474	\$ 2.56	\$ 0.00653	\$ 0.02402
Large General Service Rate LG	\$ 16,201,617	\$ 5,730,473	\$ 21,932,090	2,447,591	1,124,802,700	\$ 2.34	\$ 0.00509	\$ 0.01950
Commercial and Industrial	\$ 84,550,173	\$ 48,753,003	\$ 133,303,176	9,954,727	4,336,761,158	\$ 8.49	\$ 0.01124	\$ 0.03074

* Excludes the outdoor lighting rates (Rate OL and Rate EOL), the Customer/Meter charge revenue from each rate, and the on/off peak kWh associated with Rate B >= 115 kV under Rate LG.

