

Liberty - Electric

2021 As Reported (Actual)
%

PI Component	Planned Weight	Design Coefficient	Achievement of			PI Earned
			Plan	Applied Weight	Actual Coefficient	
Lifetime kWh Savings	35%	1.925%	94%	33%	1.809%	\$ 102,121
Annual kWh Savings	10%	0.550%	92%	9%	0.508%	\$ 28,658
Summer KW	12%	0.660%	107%	13%	0.708%	\$ 39,958
Winter kW	8%	0.440%	115%	9%	0.507%	\$ 28,623
Net Benefits	35%	1.925%	133%	46%	2.406%	\$ 135,829
	100%	5.500%		111%	5.938%	\$ 335,189
2021 spending						
\$	5,644,837					

Liberty - Gas

2021 As Reported (Actual)
%

PI Component	Planned Weight	Design Coefficient	Achievement of			PI Earned
			Plan	Applied Weight	Actual Coefficient	
Lifetime MMBtu Savings	45%	2.475%	100%	45%	2.483%	\$ 196,579
Annual MMBtu Savings	20%	1.100%	97%	19%	1.064%	\$ 84,215
Net Benefits	35%	1.925%	114%	40%	2.199%	\$ 174,106
	100%	5.500%		104%	5.745%	\$ 454,900
2021 spending						
\$	7,918,253					

Liberty - Electric

2022 As Reported (Actual)
%

PI Component	Planned Weight	Design Coefficient	Achievement of			PI Earned
			Plan	Applied Weight	Actual Coefficient	
Lifetime kWh Savings	35%	1.925%	88%	30.80%	1.694%	\$ 73,739
Annual kWh Savings	10%	0.550%	93%	9.26%	0.509%	\$ 22,163
Summer KW	12%	0.660%	75%	9.00%	0.495%	\$ 21,539
Winter kW	8%	0.440%	94%	7.51%	0.413%	\$ 17,974
Net Benefits	35%	1.925%	105%	36.62%	2.406%	\$ 104,746
	100%	5.500%		93%	5.517%	\$ 240,161
2022 spending						
\$	4,353,088					

Liberty - Gas

2022 As Reported (Actual)

PI Component	Planned Weight	Design Coefficient	% Achievem ent of Plan	Applied Weight	Actual Coefficient	PI Earned
Lifetime MMBtu Savings	45%	2.475%	75%	34%	1.866%	\$ 133,010
Annual MMBtu Savings	20%	1.100%	80%	16%	0.881%	\$ 62,806
Net Benefits	35%	1.925%	63%	22%	0.000%	\$ -
	100%	5.500%		72%	2.747%	\$ 195,816
2022 spending						
\$	7,128,133					

2021 PUC Alternative Scenario
%

Alt Scenario Weight	Design Coefficient	Achievement of Plan	Alt Applied Weight	Alt Actual Coefficient	Alt PI Earned
10%	0.550%	94%	9%	0.517%	\$ 29,178
35%	1.925%	92%	32%	1.777%	\$ 100,304
12%	0.660%	107%	13%	0.708%	\$ 39,958
8%	0.440%	115%	9%	0.507%	\$ 28,623
35%	1.925%	133%	46%	2.554%	\$ 144,184
100%	5.500%		110%	6.063%	\$ 342,246

2022 PUC Alternative Scenario
%

Alt Scenario Weight	Design Coefficient	Achievement of Plan	Alt Applied Weight	Alt Actual Coefficient	Alt PI Earned
10%	0.550%	88%	9%	0.484%	\$ 21,068
35%	1.925%	93%	32%	1.782%	\$ 77,570
12%	0.660%	75%	9%	0.495%	\$ 21,539
8%	0.440%	94%	8%	0.413%	\$ 17,974
35%	1.925%	105%	37%	2.014%	\$ 87,678
100%	5.500%		94%	5.188%	\$ 225,830

Table 3. Performance Incentive Calculation - 2021

Row	Category	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1	Lifetime MMBtu Savings	2,116,800	1,587,600	2,123,307	100%	2.475%	2.483%	\$ 215,885	\$ 269,856	\$ 196,579	Program Cost Effectiveness (Page 1 of 3)
2	Annual MMBtu Savings	146,186	109,639	141,342	97%	1.100%	1.064%	\$ 95,949	\$ 119,936	\$ 84,215	Program Cost Effectiveness (Page 1 of 3)
3	Total Resource Benefits	\$17,964,374		\$18,474,474	103%						Present Value Benefits (Page 2 of 3)
4	Total Utility Costs ¹	\$8,722,615		\$7,918,253	91%						Program Cost Effectiveness (Page 1 of 3)
5	Net Benefits	\$9,241,760	\$6,931,319.65	\$10,556,221	114%	1.925%	2.199%	\$ 167,910	\$ 209,888	\$ 174,106	Line 5 minus line 6
6	Total					5.500%	5.745%	\$ 479,744	\$ 599,680	\$ 454,900	Sum of Rows 1, 2 & 5

Row	Category	Granite State Test		Source
		Planned	Actual	
7	Total Benefits	\$ 21,846,243	\$ 21,122,921	Present Value Benefits (Page 2 of 3)
8	Performance Incentive	\$ 479,744	\$ 454,900	from row 6 above
9	Total Utility Costs	\$ 8,722,615	\$ 7,918,253	from row 4 above
10	Portfolio GST BCR	2.37	2.52	Row 7 Divided by Rows 8+9

Costs, Benefits, and PI Expressed in 2021 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.

Table 3. Performance Incentive Calculation - 2022

Row	Category	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1	Lifetime MMBtu Savings	2,049,541	1,537,156	1,545,219	75%	2.475%	1.866%	\$ 210,230	\$ 262,788	\$ 133,010	Program Cost Effectiveness (Page 1 of 3)
2	Annual MMBtu Savings	137,824	103,368	110,398	80%	1.100%	0.881%	\$ 93,436	\$ 116,794	\$ 62,806	Program Cost Effectiveness (Page 1 of 3)
3	Total Resource Benefits	\$17,166,476		\$12,550,051	73%						Present Value Benefits (Page 2 of 3)
4	Total Utility Costs ¹	\$8,494,145		\$7,128,133	84%						Program Cost Effectiveness (Page 1 of 3)
5	Net Benefits	\$8,672,330	\$6,504,247.58	\$5,421,918	63%	1.925%	0.000%	\$ 163,512	\$ 204,390	\$ -	Line 5 minus line 6
6	Total					5.500%	2.747%	\$ 467,178	\$ 583,972	\$ 195,816	Sum of Rows 1, 2 & 5

Row	Category	Granite State Test		Source
		Planned	Actual	
7	Total Benefits	\$ 21,637,311	\$ 16,538,749	Present Value Benefits (Page 2 of 3)
8	Performance Incentive	\$ 467,178	\$ 195,816	from row 6 above
9	Total Utility Costs	\$ 8,494,145	\$ 7,128,133	from row 4 above
10	Portfolio GST BCR	2.41	2.26	Row 7 Divided by Rows 8+9

Costs, Benefits, and PI 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.

Table 3. Performance Incentive Calculation - 2021

Row	Category	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1	Lifetime kWh Savings	138,202,666	103,651,999	129,882,646	94%	1.925%	1.809%	\$ 116,738	\$ 145,922	\$ 102,121	Program Cost Effectiveness (Page 1 of 3)
2	Annual kWh Savings	11,927,257	8,945,443	11,009,746	92%	0.550%	0.508%	\$ 33,354	\$ 41,692	\$ 28,658	Program Cost Effectiveness (Page 1 of 3)
3	Summer Peak Demand kW	881.8427	573.1977	945.7961	107%	0.660%	0.708%	\$ 40,024	\$ 50,030	\$ 39,958	Program Cost Effectiveness (Page 1 of 3)
4	Winter Peak Demand kW	1,111.2308	722.3000	1,280.5858	115%	0.440%	0.507%	\$ 26,683	\$ 33,354	\$ 28,623	Program Cost Effectiveness (Page 1 of 3)
5	Total Resource Benefits	\$ 15,335,372		17,946,536	117%						Present Value Benefits (Page 2 of 3)
6	Total Utility Costs ¹	\$ 6,064,297		5,644,837	93%						Program Cost Effectiveness (Page 1 of 3)
7	Net Benefits	\$ 9,271,075	\$ 6,953,307	\$ 12,301,700	133%	1.925%	2.406%	\$ 116,738	\$ 145,922	\$ 135,829	Row 5 Minus Row 6
8	Total					5.500%	5.938%	\$ 333,536	\$ 416,920	\$ 335,189	Sum of Rows 1, 2, 3, 4 & 7

Row	Category	Granite State Test		Source
		Planned	Actual	
9	Total Benefits	\$ 16,312,966	\$ 18,430,379	Present Value Benefits (Page 2 of 3)
10	Performance Incentive	\$ 333,536	\$ 335,189	from row 8 above
11	Total Utility Costs	\$ 6,064,297	\$ 5,644,837	from row 6 above
12	Portfolio GST BCR	2.55	3.08	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 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.

Table 3. Performance Incentive Calculation - 2022

Row	Category	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1	Lifetime kWh Savings	122,931,394	92,198,545	108,176,127	88%	1.925%	1.694%	\$ 107,548	\$ 134,435	\$ 73,739	Program Cost Effectiveness (Page 1 of 3)
2	Annual kWh Savings	10,090,780	7,568,085	9,340,924	93%	0.550%	0.509%	\$ 30,728	\$ 38,410	\$ 22,163	Program Cost Effectiveness (Page 1 of 3)
3	Summer Peak Demand kW	1,119	728	839,1287	75%	0.660%	0.495%	\$ 36,874	\$ 46,092	\$ 21,539	Program Cost Effectiveness (Page 1 of 3)
4	Winter Peak Demand kW	1,114	724	1,045,2403	94%	0.440%	0.413%	\$ 24,582	\$ 30,728	\$ 17,974	Program Cost Effectiveness (Page 1 of 3)
5	Total Resource Benefits	\$ 13,607,181		12,744,872	94%						Present Value Benefits (Page 2 of 3)
6	Total Utility Costs ¹	\$ 5,586,900		4,353,088	78%						Program Cost Effectiveness (Page 1 of 3)
7	Net Benefits	\$ 8,020,281	\$ 6,015,210	\$ 8,391,784	105%	1.925%	2.406%	\$ 107,548	\$ 134,435	\$ 104,746	Row 5 Minus Row 6
8	Total					5.500%	5.517%	\$ 307,280	\$ 384,099	\$ 240,161	Sum of Rows 1, 2, 3, 4 & 7

Row	Category	Granite State Test		Source
		Planned	Actual	
9	Total Benefits	\$ 14,589,401	\$ 15,343,081	Present Value Benefits (Page 2 of 3)
10	Performance Incentive	\$ 307,280	\$ 240,161	from row 8 above
11	Total Utility Costs	\$ 5,586,900	\$ 4,353,088	from row 6 above
12	Portfolio GST BCR	2.48	3.34	row 9 divided by rows 10+11

Costs, Benefits, and PI 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.