

NHSAVES PROGRAMS
2021 Statewide Goals
Statewide & Company-Specific Programs

Description	Program Budget ⁽¹⁾	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Statewide Programs	\$ 85,660,206	137,949,636	1,691,209,524	16,766	17,560	114,463	2,383,758	455,857
Municipal Program	\$ 1,955,558	3,769,585	52,433,933	433	504	3,615	77,427	227
All Other Statewide Programs								
Sub-total	\$ 87,615,764	141,719,221	1,743,643,457	17,199	18,064	118,078	2,461,185	456,085
Company Specific Programs ⁽²⁾	\$ 5,966,697	7,085,254	61,795,254	988	779	-	-	34,759
Total Electric	\$ 93,582,461	148,804,474	1,805,438,711	18,186	18,843	118,078	2,461,185	490,844
<u>Gas Utilities</u>								
Statewide Programs	\$ 11,181,314	39,968	699,876	10	6	176,645	2,682,193	14,211
Company Specific Programs ⁽²⁾	\$ 857,174	-	-			21,391	21,391	72,100
Total Gas	\$ 12,038,488	39,968	699,876	10	6	198,036	2,703,583	86,311
Grand Total	\$ 105,620,948	148,844,442	1,806,138,587	18,196	18,849	316,114	5,164,768	577,155

Notes:

(1) Program budgets shown in this report exclude the performance incentive (PI).

(2) Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES PROGRAMS
2021 Statewide Goals
Statewide Programs ⁽¹⁾

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Assistance	\$ 18,555,949	2,631,229	36,575,964	489.3	364.8	40,139.3	866,990.6	1,974
NH Home Performance w/Energy Star	\$ 8,607,418	1,610,469	19,877,078	367.0	245.1	50,171.4	986,415.7	3,094
EnergyStar® Homes	\$ 3,370,729	1,614,972	38,239,860	416.7	20.2	17,574.3	435,099.8	797
EnergyStar® Products	\$ 11,931,356	22,405,241	141,057,761	4,441.8	3,420.8	6,257.9	91,834.4	442,076
Sub-total	\$ 42,465,452	28,261,911	235,750,662	5,714.9	4,050.9	114,142.9	2,380,340.5	447,941
Commercial & Industrial								
Large Business Energy Solutions	\$ 24,938,645	65,122,196	876,554,611	6,136.0	8,203.3	107.4	1,074.2	1,811
Small Business Energy Solutions	\$ 18,256,109	44,565,529	578,904,251	4,914.8	5,305.4	212.3	2,343.4	6,106
Municipal Program	\$ 1,955,558	3,769,585	52,433,933	433.1	504.3	3,615.1	77,426.9	227
Sub-total	\$ 45,150,312	113,457,309	1,507,892,795	11,483.9	14,013.0	3,934.8	80,844.5	8,144
Total Electric	\$ 87,615,764	141,719,221	1,743,643,457	17,198.8	18,063.9	118,077.7	2,461,185.0	456,085
<u>Gas Utilities</u>								
Residential								
Home Energy Assistance	\$ 2,066,275	-	-	-	-	9,549.9	207,192.9	453
NH Home Performance w/Energy Star	\$ 1,448,128	8,754	197,735	-	4.8	12,472.0	229,868.1	843
EnergyStar® Homes	\$ 1,346,744	-	-	-	-	7,214.2	178,569.4	198
EnergyStar® Products	\$ 1,463,811	21,210	342,510	8.0	(0.4)	17,492.6	296,615.4	11,216
Sub-total	\$ 6,324,958	29,964	540,245	8.0	4.4	46,728.7	912,245.7	12,709
Commercial & Industrial								
Large Business Energy Solutions	\$ 2,685,689	-	-	-	-	95,777.8	1,195,080.6	291
Small Business Energy Solutions	\$ 2,170,666	10,004	159,631	2.0	1.8	34,138.7	574,866.5	1,211
Sub-total	\$ 4,856,355	10,004	159,631	2.0	1.8	129,916.5	1,769,947.1	1,502
Total Gas	\$ 11,181,314	39,968	699,876	10.0	6.2	176,645.2	2,682,192.7	14,211
Grand Total	\$ 98,797,078	141,759,188	1,744,343,333	17,208.8	18,070.1	294,722.9	5,143,378	470,296

Notes:

(1) Amounts shown above pertain only to the Statewide programs. The amounts pertaining to the Company-Specific programs are shown on Attachment B, page 3.

NHSAVES PROGRAMS
2021 Statewide Goals
Company-Specific Programs ⁽¹⁾

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Reports	\$ 327,410	2,545,254	2,545,254	549.5	354.4	-	-	32,956
Education	\$ 268,757	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 104,305	-	-	-	-	-	-	-
Residential Active Demand Response	\$ 139,875	-	-	-	-	-	-	1,655
Energy Optimization Pilot	\$ 459,306	-	-	-	-	-	-	-
Sub-total	\$ 1,299,652	2,545,254	2,545,254	549.5	354.4	-	-	34,611
Commercial & Industrial								
Smart Start	\$ 38,475	-	-	-	-	-	-	-
C&I Customer Partnerships	\$ 21,772	-	-	-	-	-	-	-
C&I RFP Program	\$ 2,997,161	4,540,000	59,250,000	438.1	424.2	-	-	10
Education	\$ 367,002	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 182,901	-	-	-	-	-	-	-
C&I Active Demand Response	\$ 1,059,735	-	-	-	-	-	-	139
Sub-total	\$ 4,667,045	4,540,000	59,250,000	438.1	424.2	-	-	148
Total Residential and C&I	\$ 5,966,697	7,085,254	61,795,254	987.6	778.6	-	-	34,759
<u>Gas Utilities</u>								
Residential								
Home Energy Reports	\$ 216,300	-	-	-	-	16,390.7	16,390.7	39,100
Education	\$ 86,974	-	-	-	-	-	-	-
Residential Financing	\$ 7,500	-	-	-	-	-	-	-
AIM Initiative	\$ 460,250	-	-	-	-	5,000.0	5,000.0	33,000
Sub-total	\$ 771,024	-	-	-	-	21,391	21,391	72,100
Commercial & Industrial								
Education	\$ 86,150	-	-	-	-	-	-	-
Sub-total	\$ 86,150	-	-	-	-	-	-	-
Total Residential and C&I	\$ 857,174	-	-	-	-	21,391	21,391	72,100
Grand Total	\$ 6,823,871	7,085,254	61,795,254	987.6	778.6	21,390.7	21,391	106,859

Notes:

(1) Amounts shown above pertain only to the Company-Specific programs. The amounts pertaining to the Statewide programs are shown on Attachment B, page 2.

Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.

(2) Amounts shown are budgeted expenses related to the electric utilities' participation in ISO-NE's Forward Capacity Market.

NHSAVES PROGRAMS
2022 Statewide Goals
Statewide & Company-Specific Programs

Description	Program Budget ⁽¹⁾	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Statewide Programs	\$ 104,096,713	156,918,183	2,043,062,576	16,717	19,152	130,106	2,716,348	265,026
Municipal Program	\$ 1,955,089	3,520,545	50,268,690	392	448	3,715	79,927	224
All Other Statewide Programs								
Sub-total	\$ 106,051,802	160,438,728	2,093,331,266	17,109	19,600	133,821	2,796,275	265,251
Company Specific Programs ⁽²⁾	\$ 9,502,480	10,539,690	99,839,690	1,388	1,108	-	-	35,656
Total Electric	\$ 115,554,283	170,978,418	2,193,170,956	18,496	20,708	133,821	2,796,275	300,907
<u>Gas Utilities</u>								
Statewide Programs	\$ 13,008,239	48,768	784,337	14	9	204,454	3,136,697	16,234
Company Specific Programs ⁽²⁾	\$ 698,133	-	-			49,203	49,203	72,100
Total Gas	\$ 13,706,372	48,768	784,337	14	9	253,657	3,185,900	88,334
Grand Total	\$ 129,260,654	171,027,186	2,193,955,293	18,511	20,716	387,478	5,982,175	389,241

Notes:

(1) Program budgets shown in this report exclude the performance incentive (PI).

(2) Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.

**NHSAVES PROGRAMS
2022 Statewide Goals
Statewide Programs ⁽¹⁾**

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Assistance	\$ 23,025,028	3,336,262	45,155,878	614.7	458.1	52,245.0	1,128,294.9	2,531
NH Home Performance w/Energy Star	\$ 9,696,828	1,695,769	21,260,740	374.0	258.9	51,412.8	1,012,623.7	3,132
EnergyStar® Homes	\$ 3,605,389	1,753,735	41,507,492	448.6	20.4	18,578.6	459,951.9	764
EnergyStar® Products	\$ 10,230,869	14,574,410	133,362,831	2,627.6	2,226.1	7,635.5	112,309.1	250,791
Sub-total	\$ 46,558,114	21,360,177	241,286,940	4,064.9	2,963.5	129,871.9	2,713,179.5	257,218
Commercial & Industrial								
Large Business Energy Solutions	\$ 34,018,730	83,591,154	1,124,260,353	7,470.3	10,463.7	123.9	1,239.4	1,957
Small Business Energy Solutions	\$ 23,519,869	51,966,852	677,515,283	5,182.1	5,724.7	110.5	1,929.1	5,851
Municipal Program	\$ 1,955,089	3,520,545	50,268,690	391.5	448.1	3,715.1	79,926.9	224
Sub-total	\$ 59,493,688	139,078,551	1,852,044,326	13,043.9	16,636.5	3,949.6	83,095.4	8,032
Total Electric	\$ 106,051,802	160,438,728	2,093,331,266	17,108.7	19,600.0	133,821.5	2,796,274.9	265,251
<u>Gas Utilities</u>								
Residential								
Home Energy Assistance	\$ 2,356,050	-	-	-	-	10,606.1	230,582.6	490
NH Home Performance w/Energy Star	\$ 1,600,824	13,897	221,875	3.2	7.3	13,584.3	249,786.8	887
EnergyStar® Homes	\$ 1,592,055	-	-	-	-	9,313.1	230,377.3	256
EnergyStar® Products	\$ 1,634,490	24,550	397,570	9.1	(0.5)	19,790.7	334,789.6	12,930
Sub-total	\$ 7,183,419	38,447	619,445	12.3	6.8	53,294.2	1,045,536.3	14,562
Commercial & Industrial								
Large Business Energy Solutions	\$ 3,334,466	-	-	-	-	112,737.7	1,443,529.9	385
Small Business Energy Solutions	\$ 2,490,353	10,321	164,892	2.1	1.8	38,421.7	647,630.8	1,287
Sub-total	\$ 5,824,819	10,321	164,892	2.1	1.8	151,159.5	2,091,160.7	1,672
Total Gas	\$ 13,008,239	48,768	784,337	14.4	8.6	204,453.7	3,136,697.1	16,234
Grand Total	\$ 119,060,041	160,487,496	2,094,115,603	17,123.2	19,608.6	338,275.1	5,932,972	281,485

Notes:

(1) Amounts shown above pertain only to the Statewide programs. The amounts pertaining to the Company-Specific programs are shown on Attachment B, page 3.

NHSAVES PROGRAMS
2022 Statewide Goals
Company-Specific Programs ⁽¹⁾

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Reports	\$ 316,070	3,239,690	3,239,690	699.4	451.1	-	-	32,956
Education	\$ 341,818	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 151,903	-	-	-	-	-	-	-
Residential Active Demand Response	\$ 199,665	-	-	-	-	-	-	2,483
Energy Optimization Pilot	\$ 549,710	-	-	-	-	-	-	-
Sub-total	\$ 1,559,167	3,239,690	3,239,690	699.4	451.1	-	-	35,439
Commercial & Industrial								
Smart Start	\$ 38,018	-	-	-	-	-	-	-
C&I Customer Partnerships	\$ 39,160	-	-	-	-	-	-	-
C&I RFP Program	\$ 5,611,934	7,300,000	96,600,000	688.3	656.5	-	-	16
Education	\$ 475,678	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 254,291	-	-	-	-	-	-	-
C&I Active Demand Response	\$ 1,524,233	-	-	-	-	-	-	202
Sub-total	\$ 7,943,313	7,300,000	96,600,000	688.3	656.5	-	-	218
Total Residential and C&I	\$ 9,502,480	10,539,690	99,839,690	1,387.7	1,107.6	-	-	35,656
<u>Gas Utilities</u>								
Residential								
Home Energy Reports	\$ 217,250	-	-	-	-	21,502.9	21,502.9	39,100
Education	\$ 95,044	-	-	-	-	-	-	-
Residential Financing	\$ 8,300	-	-	-	-	-	-	-
AIM Initiative	\$ 280,250	-	-	-	-	27,700.0	27,700.0	33,000
Sub-total	\$ 600,844	-	-	-	-	49,203	49,203	72,100
Commercial & Industrial								
Education	\$ 97,289	-	-	-	-	-	-	-
Sub-total	\$ 97,289	-	-	-	-	-	-	-
Total Residential and C&I	\$ 698,133	-	-	-	-	49,203	49,203	72,100
Grand Total	\$ 10,200,613	10,539,690	99,839,690	1,387.7	1,107.6	49,202.9	49,203	107,756

Notes:

- (1) Amounts shown above pertain only to the Company-Specific programs. The amounts pertaining to the Statewide programs are shown on Attachment B, page 2. Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.
- (2) Amounts shown are budgeted expenses related to the electric utilities' participation in ISO-NE's Forward Capacity Market.

NHSAVES PROGRAMS
2023 Statewide Goals
Statewide & Company-Specific Programs

Description	Program Budget ⁽¹⁾	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Statewide Programs	\$ 125,626,820	186,550,546	2,487,797,824	18,287	22,515	143,416	2,992,158	116,462
Municipal Program	\$ 1,961,055	3,409,955	48,703,610	381	451	3,715	79,927	220
All Other Statewide Programs								
Sub-total	\$ 127,587,875	189,960,501	2,536,501,434	18,669	22,966	147,131	3,072,085	116,683
Company Specific Programs ⁽²⁾	\$ 14,103,954	15,590,000	146,330,000	1,772	1,434	-	-	36,968
Total Electric	\$ 141,691,829	205,550,501	2,682,831,434	20,440	24,400	147,131	3,072,085	153,651
<u>Gas Utilities</u>								
Statewide Programs	\$ 15,427,035	47,667	840,435	12	7	239,278	3,667,138	16,842
Company Specific Programs ⁽²⁾	\$ 710,370	-	-			62,610	62,610	72,100
Total Gas	\$ 16,137,405	47,667	840,435	12	7	301,888	3,729,748	88,942
Grand Total	\$ 157,829,233	205,598,168	2,683,671,869	20,452	24,407	449,020	6,801,833	242,592

Notes:

(1) Program budgets shown in this report exclude the performance incentive (PI).

(2) Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.

**NHSAVES PROGRAMS
2023 Statewide Goals
Statewide Programs ⁽¹⁾**

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Assistance	\$ 28,273,056	4,030,680	54,156,758	749.1	548.8	61,868.6	1,333,459.0	2,982
NH Home Performance w/Energy Star	\$ 10,758,305	1,786,000	22,657,112	383.5	274.0	52,608.7	1,036,392.1	3,171
EnergyStar® Homes	\$ 3,878,304	1,944,116	45,841,807	492.6	32.8	19,592.7	485,088.2	837
EnergyStar® Products	\$ 9,465,526	11,770,086	141,898,573	1,944.6	1,853.5	9,014.5	132,802.9	102,196
Sub-total	\$ 52,375,192	19,530,883	264,554,250	3,569.8	2,709.0	143,084.5	2,987,742.1	109,186
Commercial & Industrial								
Large Business Energy Solutions	\$ 46,779,278	109,036,322	1,461,425,507	9,263.1	13,572.2	165.3	1,652.6	2,091
Small Business Energy Solutions	\$ 26,472,350	57,983,341	761,818,067	5,454.2	6,233.8	166.4	2,763.3	5,186
Municipal Program	\$ 1,961,055	3,409,955	48,703,610	381.4	451.3	3,715.1	79,926.9	220
Sub-total	\$ 75,212,684	170,429,618	2,271,947,183	15,098.7	20,257.3	4,046.7	84,342.7	7,497
Total Electric	\$ 127,587,875	189,960,501	2,536,501,434	18,668.5	22,966.3	147,131.3	3,072,084.9	116,683
<u>Gas Utilities</u>								
Residential								
Home Energy Assistance	\$ 2,713,815	1,223	22,015	0.4	-	12,028.0	262,397.7	540
NH Home Performance w/Energy Star	\$ 1,791,511	10,512	237,036	-	5.8	15,012.6	276,563.6	947
EnergyStar® Homes	\$ 1,823,272	-	-	-	-	13,419.4	320,049.9	306
EnergyStar® Products	\$ 1,808,383	26,015	422,045	9.6	(0.5)	21,456.3	362,487.7	13,231
Sub-total	\$ 8,136,980	37,750	681,096	9.9	5.3	61,916.4	1,221,498.9	15,024
Commercial & Industrial								
Large Business Energy Solutions	\$ 4,140,552	-	-	-	-	133,548.4	1,707,340.0	435
Small Business Energy Solutions	\$ 3,149,503	9,917	159,339	2.0	1.7	43,813.7	738,299.5	1,383
Sub-total	\$ 7,290,055	9,917	159,339	2.0	1.7	177,362.1	2,445,639.5	1,817
Total Gas	\$ 15,427,035	47,667	840,435	12.0	7.0	239,278.5	3,667,138.5	16,842
Grand Total	\$ 143,014,910	190,008,168	2,537,341,869	18,680.5	22,973.3	386,409.8	6,739,223	133,525

Notes:

(1) Amounts shown above pertain only to the Statewide programs. The amounts pertaining to the Company-Specific programs are shown on Attachment B, page 3.

NHSAVES PROGRAMS
2023 Statewide Goals
Company-Specific Programs ⁽¹⁾

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Reports	\$ 319,677	5,030,000	5,030,000	790.7	510.1	-	-	32,956
Education	\$ 398,961	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 200,574	-	-	-	-	-	-	-
Residential Active Demand Response	\$ 286,832	-	-	-	-	-	-	3,693
Energy Optimization Pilot	\$ 483,244	-	-	-	-	-	-	-
Sub-total	\$ 1,689,288	5,030,000	5,030,000	790.7	510.1	-	-	36,649
Commercial & Industrial								
Smart Start	\$ 37,214	-	-	-	-	-	-	-
C&I Customer Partnerships	\$ 59,653	-	-	-	-	-	-	-
C&I RFP Program	\$ 9,172,068	10,560,000	141,300,000	981.0	923.8	-	-	23
Education	\$ 583,661	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 370,543	-	-	-	-	-	-	-
C&I Active Demand Response	\$ 2,191,526	-	-	-	-	-	-	296
Sub-total	\$ 12,414,666	10,560,000	141,300,000	981.0	923.8	-	-	319
Total Residential and C&I	\$ 14,103,954	15,590,000	146,330,000	1,771.7	1,433.9	-	-	36,968
<u>Gas Utilities</u>								
Residential								
Home Energy Reports	\$ 218,300	-	-	-	-	34,910.0	34,910.0	39,100
Education	\$ 95,540	-	-	-	-	-	-	-
Residential Financing	\$ 8,500	-	-	-	-	-	-	-
AIM Initiative	\$ 280,250	-	-	-	-	27,700.0	27,700.0	33,000
Sub-total	\$ 602,590	-	-	-	-	62,610	62,610	72,100
Commercial & Industrial								
Education	\$ 107,780	-	-	-	-	-	-	-
Sub-total	\$ 107,780	-	-	-	-	-	-	-
Total Residential and C&I	\$ 710,370	-	-	-	-	62,610	62,610	72,100
Grand Total	\$ 14,814,324	15,590,000	146,330,000	1,771.7	1,433.9	62,610.0	62,610	109,068

Notes:

- (1) Amounts shown above pertain only to the Company-Specific programs. The amounts pertaining to the Statewide programs are shown on Attachment B, page 2. Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.
- (2) Amounts shown are budgeted expenses related to the electric utilities' participation in ISO-NE's Forward Capacity Market.

NHSAVES PROGRAMS
2021-2023 Statewide Goals
Statewide & Company-Specific Programs

Description	Program Budget ⁽¹⁾	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Statewide Programs	\$ 315,383,740	481,418,364	6,222,069,924	51,770	59,227	387,985	8,092,264	837,346
Municipal Program	\$ 5,871,702	10,700,086	151,406,233	1,206	1,404	11,045	237,281	672
All Other Statewide Programs								
Sub-total	\$ 321,255,442	492,118,450	6,373,476,157	52,976	60,630	399,030	8,329,545	838,018
Company Specific Programs ⁽²⁾	\$ 29,573,131	33,214,944	307,964,944	4,147	3,320	-	-	61,984
Total Electric	\$ 350,828,573	525,333,394	6,681,441,101	57,123	63,950	399,030	8,329,545	900,002
<u>Gas Utilities</u>								
Statewide Programs	\$ 39,616,587	136,402	2,324,648	36	22	620,377	9,486,028	47,287
Company Specific Programs ⁽²⁾	\$ 2,265,677	-	-			133,204	133,204	198,100
Total Gas	\$ 41,882,264	136,402	2,324,648	36	22	753,581	9,619,232	245,387
Grand Total	\$ 392,710,836	525,469,796	6,683,765,749	57,159	63,972	1,152,611	17,948,777	1,145,389

Notes:

(1) Program budgets shown in this report exclude the performance incentive (PI).

(2) Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.

**NHSAVES PROGRAMS
2021-2023 Statewide Goals
Statewide Programs ⁽¹⁾**

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Assistance	\$ 69,854,034	9,998,172	135,888,600	1,853.1	1,371.7	154,252.9	3,328,744.5	7,487
NH Home Performance w/Energy Star	\$ 29,062,551	5,092,237	63,794,930	1,124.6	778.0	154,193.0	3,035,431.4	9,397
EnergyStar® Homes	\$ 10,854,423	5,312,824	125,589,158	1,357.8	73.3	55,745.6	1,380,139.9	2,398
EnergyStar® Products	\$ 31,627,751	48,749,738	416,319,165	9,014.1	7,500.4	22,907.9	336,946.4	795,062
Sub-total	\$ 141,398,758	69,152,971	741,591,853	13,349.6	9,723.5	387,099.3	8,081,262.1	814,345
Commercial & Industrial								
Large Business Energy Solutions	\$ 105,736,654	257,749,671	3,462,240,471	22,869.4	32,239.1	396.6	3,966.2	5,859
Small Business Energy Solutions	\$ 68,248,328	154,515,722	2,018,237,600	15,551.1	17,263.9	489.2	7,035.8	17,143
Municipal Program	\$ 5,871,702	10,700,086	151,406,233	1,206.0	1,403.7	11,045.3	237,280.7	672
Sub-total	\$ 179,856,684	422,965,479	5,631,884,304	39,626.5	50,906.7	11,931.1	248,282.6	23,673
Total Electric	\$ 321,255,442	492,118,450	6,373,476,157	52,976.1	60,630.2	399,030.4	8,329,544.7	838,018
<u>Gas Utilities</u>								
Residential								
Home Energy Assistance	\$ 7,136,139	1,223	22,015	0.4	-	32,184.0	700,173.1	1,483
NH Home Performance w/Energy Star	\$ 4,840,463	33,163	656,646	3.2	17.9	41,068.9	756,218.5	2,676
EnergyStar® Homes	\$ 4,762,071	-	-	-	-	29,946.7	728,996.6	760
EnergyStar® Products	\$ 4,906,684	71,775	1,162,125	26.7	(1.4)	58,739.6	993,892.7	37,377
Sub-total	\$ 21,645,358	106,161	1,840,786	30.3	16.5	161,939.2	3,179,280.9	42,296
Commercial & Industrial								
Large Business Energy Solutions	\$ 10,160,707	-	-	-	-	342,064.0	4,345,950.5	1,110
Small Business Energy Solutions	\$ 7,810,522	30,241	483,862	6.1	5.3	116,374.1	1,960,796.8	3,881
Sub-total	\$ 17,971,229	30,241	483,862	6.1	5.3	458,438.1	6,306,747.3	4,991
Total Gas	\$ 39,616,587	136,402	2,324,648	36.4	21.8	620,377.3	9,486,028.3	47,287
Grand Total	\$ 360,872,029	492,254,852	6,375,800,805	53,012.5	60,652.0	1,019,407.8	17,815,573	885,305

Notes:

(1) Amounts shown above pertain only to the Statewide programs. The amounts pertaining to the Company-Specific programs are shown on Attachment B, page 3.

NHSAVES PROGRAMS
2021-2023 Statewide Goals
Company-Specific Programs ⁽¹⁾

Description	Program Budget	kWh Savings		kW Savings		MMBtu Savings		Customers Count
		Annual	Lifetime	Winter kW	Summer kW	Annual	Lifetime	
<u>Electric Utilities</u>								
Residential								
Home Energy Reports	\$ 963,157	10,814,944	10,814,944	2,039.6	1,315.6	-	-	53,468
Education	\$ 1,009,536	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 456,782	-	-	-	-	-	-	-
Residential Active Demand Response	\$ 626,372	-	-	-	-	-	-	7,830
Energy Optimization Pilot	\$ 1,492,259	-	-	-	-	-	-	-
Sub-total	\$ 4,548,107	10,814,944	10,814,944	2,039.6	1,315.6	-	-	61,298
Commercial & Industrial								
Smart Start	\$ 113,707	-	-	-	-	-	-	-
C&I Customer Partnerships	\$ 120,584	-	-	-	-	-	-	-
C&I RFP Program	\$ 17,781,164	22,400,000	297,150,000	2,107.4	2,004.5	-	-	49
Education	\$ 1,426,340	-	-	-	-	-	-	-
Forward Capacity Market Expenses ⁽²⁾	\$ 807,735	-	-	-	-	-	-	-
C&I Active Demand Response	\$ 4,775,494	-	-	-	-	-	-	636
Sub-total	\$ 25,025,024	22,400,000	297,150,000	2,107.4	2,004.5	-	-	686
Total Residential and C&I	\$ 29,573,131	33,214,944	307,964,944	4,147.0	3,320.1	-	-	61,984
<u>Gas Utilities</u>								
Residential								
Home Energy Reports	\$ 651,850	-	-	-	-	72,803.6	72,803.6	99,100
Education	\$ 277,558	-	-	-	-	-	-	-
Residential Financing	\$ 24,300	-	-	-	-	-	-	-
AIM Initiative	\$ 1,020,750	-	-	-	-	60,400.0	60,400.0	99,000
Sub-total	\$ 1,974,458	-	-	-	-	133,204	133,204	198,100
Commercial & Industrial								
Education	\$ 291,219	-	-	-	-	-	-	-
Sub-total	\$ 291,219	-	-	-	-	-	-	-
Total Residential and C&I	\$ 2,265,677	-	-	-	-	133,204	133,204	198,100
Grand Total	\$ 31,838,808	33,214,944	307,964,944	4,147.0	3,320.1	133,203.6	133,204	260,084

Notes:

- (1) Amounts shown above pertain only to the Company-Specific programs. The amounts pertaining to the Statewide programs are shown on Attachment B, page 2. Company-specific includes company-specific programs, education, forward capacity market administration and loan program administration.
- (2) Amounts shown are budgeted expenses related to the electric utilities' participation in ISO-NE's Forward Capacity Market.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021 UTILITY BUDGETS BY ACTIVITY

Residential Programs

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Home Energy Assistance	Internal Admin	\$ 39,810	\$ 57,108	\$ 179,500	\$ 108,000	\$ 384,418	\$ 42,660	\$ 41,841	\$ 84,501	\$ 468,919
	External Admin	\$ 2,844	\$ 35,232	\$ 15,181	\$ 70,967	\$ 124,223	\$ 3,047	\$ 7,500	\$ 10,547	\$ 134,771
	Rebate/Services	\$ 1,177,231	\$ 1,053,294	\$ 12,111,611	\$ 1,182,247	\$ 15,524,384	\$ 1,261,516	\$ 430,409	\$ 1,691,925	\$ 17,216,309
	Implementation Services	\$ 78,198	\$ 169,848	\$ 619,960	\$ 171,262	\$ 1,039,267	\$ 83,796	\$ 30,955	\$ 114,751	\$ 1,154,018
	Marketing	\$ 52,606	\$ 32,086	\$ 465,157	\$ 35,000	\$ 584,848	\$ 56,372	\$ 12,000	\$ 68,372	\$ 653,220
	EM&V	\$ 71,089	\$ 53,477	\$ 704,243	\$ 70,000	\$ 898,809	\$ 76,179	\$ 20,000	\$ 96,179	\$ 994,988
	Total	\$ 1,421,776	\$ 1,401,044	\$ 14,095,653	\$ 1,637,476	\$ 18,555,949	\$ 1,523,570	\$ 542,705	\$ 2,066,275	\$ 20,622,224
HP w/EnergyStar®	Internal Admin	\$ 12,802	\$ 53,108	\$ 82,359	\$ 60,000	\$ 208,269	\$ 33,762	\$ 25,000	\$ 58,762	\$ 267,032
	External Admin	\$ 914	\$ 15,232	\$ 6,966	\$ 1,750	\$ 24,862	\$ 2,412	\$ 2,500	\$ 4,912	\$ 29,774
	Rebate/Services	\$ 378,579	\$ 854,809	\$ 5,607,076	\$ 313,685	\$ 7,154,150	\$ 998,401	\$ 189,830	\$ 1,188,231	\$ 8,342,380
	Implementation Services	\$ 25,147	\$ 109,185	\$ 284,453	\$ 100,000	\$ 518,786	\$ 66,319	\$ 9,000	\$ 75,319	\$ 594,104
	Marketing	\$ 16,917	\$ 33,657	\$ 213,435	\$ 15,000	\$ 279,009	\$ 44,615	\$ 6,000	\$ 50,615	\$ 329,624
	EM&V	\$ 22,861	\$ 56,095	\$ 323,386	\$ 20,000	\$ 422,342	\$ 60,290	\$ 10,000	\$ 70,290	\$ 492,632
	Total	\$ 457,221	\$ 1,122,087	\$ 6,517,675	\$ 510,435	\$ 8,607,418	\$ 1,205,798	\$ 242,330	\$ 1,448,128	\$ 10,055,546
EnergyStar® Homes	Internal Admin	\$ 7,570	\$ 45,535	\$ 25,437	\$ 35,000	\$ 113,542	\$ 29,101	\$ 20,000	\$ 49,101	\$ 162,643
	External Admin	\$ 541	\$ 14,609	\$ 2,151	\$ 5,500	\$ 22,801	\$ 2,079	\$ 3,500	\$ 5,579	\$ 28,380
	Rebate/Services	\$ 223,853	\$ 458,387	\$ 1,716,354	\$ 290,155	\$ 2,688,749	\$ 860,545	\$ 251,938	\$ 1,112,483	\$ 3,801,232
	Implementation Services	\$ 14,869	\$ 98,288	\$ 87,855	\$ 50,000	\$ 251,013	\$ 57,162	\$ 11,000	\$ 68,162	\$ 319,175
	Marketing	\$ 10,003	\$ 19,989	\$ 65,921	\$ 12,000	\$ 107,913	\$ 38,454	\$ 6,000	\$ 44,454	\$ 152,367
	EM&V	\$ 13,518	\$ 33,315	\$ 99,880	\$ 40,000	\$ 186,712	\$ 51,965	\$ 15,000	\$ 66,965	\$ 253,678
	Total	\$ 270,354	\$ 670,122	\$ 1,997,598	\$ 432,655	\$ 3,370,729	\$ 1,039,306	\$ 307,438	\$ 1,346,744	\$ 4,717,473
Energy Star® Products	Internal Admin	\$ 26,547	\$ 92,133	\$ 100,413	\$ 58,000	\$ 277,093	\$ 27,322	\$ 25,000	\$ 52,322	\$ 329,415
	External Admin	\$ 1,896	\$ 24,464	\$ 8,492	\$ 2,000	\$ 36,853	\$ 1,952	\$ 1,500	\$ 3,452	\$ 40,304
	Rebate/Services	\$ 785,027	\$ 1,096,814	\$ 6,775,281	\$ 1,286,964	\$ 9,944,087	\$ 807,961	\$ 416,513	\$ 1,224,474	\$ 11,168,561
	Implementation Services	\$ 52,146	\$ 164,068	\$ 346,808	\$ 61,000	\$ 624,021	\$ 53,669	\$ 10,000	\$ 63,669	\$ 687,690
	Marketing	\$ 35,080	\$ 44,907	\$ 343,412	\$ 50,000	\$ 473,399	\$ 36,105	\$ 15,000	\$ 51,105	\$ 524,504
	EM&V	\$ 47,405	\$ 74,846	\$ 398,653	\$ 55,000	\$ 575,904	\$ 48,790	\$ 20,000	\$ 68,790	\$ 644,694
	Total	\$ 948,100	\$ 1,497,232	\$ 7,973,060	\$ 1,512,964	\$ 11,931,356	\$ 975,798	\$ 488,013	\$ 1,463,811	\$ 13,395,167

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021 UTILITY BUDGETS BY ACTIVITY
Residential Programs (Continued)

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Other*	Internal Admin	\$ 7,052	\$ 8,129	\$ 8,542	\$ 13,000	\$ 36,724	\$ 19,752	\$ 3,500	\$ 23,252	\$ 59,976
	External Admin	\$ 428	\$ -	\$ 722	\$ 4,500	\$ 5,650	\$ 1,411	\$ 3,000	\$ 4,411	\$ 10,061
	Rebate/Services	\$ 177,214	\$ 25,000	\$ 576,367	\$ 256,183	\$ 1,034,764	\$ 590,995	\$ 42,300	\$ 633,295	\$ 1,668,059
	Implementation Services	\$ 13,853	\$ 11,586	\$ 29,503	\$ 43,000	\$ 97,941	\$ 38,798	\$ 5,830	\$ 44,628	\$ 142,569
	Marketing	\$ 7,919	\$ 645	\$ 25,239	\$ 2,750	\$ 36,553	\$ 19,197	\$ 8,970	\$ 28,167	\$ 64,720
	EM&V	\$ 45,401	\$ 7,073	\$ 15,346	\$ 20,200	\$ 88,020	\$ 35,271	\$ 2,000	\$ 37,271	\$ 125,291
	Total	\$ 251,867	\$ 52,434	\$ 655,718	\$ 339,633	\$ 1,299,652	\$ 705,424	\$ 65,600	\$ 771,024	\$ 2,070,676
Total Residential	Internal Admin	\$ 93,781	\$ 256,012	\$ 396,252	\$ 274,000	\$ 1,020,045	\$ 152,597	\$ 115,341	\$ 267,938	\$ 1,287,983
	External Admin	\$ 6,623	\$ 89,537	\$ 33,513	\$ 84,717	\$ 214,390	\$ 10,900	\$ 18,000	\$ 28,900	\$ 243,289
	Rebate/Services	\$ 2,741,904	\$ 3,488,305	\$ 26,786,690	\$ 3,329,233	\$ 36,346,133	\$ 4,519,418	\$ 1,330,991	\$ 5,850,408	\$ 42,196,541
	Implementation Services	\$ 184,213	\$ 552,974	\$ 1,368,578	\$ 425,262	\$ 2,531,027	\$ 299,744	\$ 66,785	\$ 366,529	\$ 2,897,556
	Marketing	\$ 122,525	\$ 131,285	\$ 1,113,163	\$ 114,750	\$ 1,481,722	\$ 194,742	\$ 47,970	\$ 242,712	\$ 1,724,435
	EM&V	\$ 200,273	\$ 224,806	\$ 1,541,508	\$ 205,200	\$ 2,171,787	\$ 272,495	\$ 67,000	\$ 339,495	\$ 2,511,282
	Total	\$ 3,349,318	\$ 4,742,919	\$ 31,239,704	\$ 4,433,162	\$ 43,765,104	\$ 5,449,896	\$ 1,646,086	\$ 7,095,982	\$ 50,861,087
Total %	Internal Admin	2.8%	5.4%	1.3%	6.2%	2.3%	2.8%	7.0%	3.8%	2.5%
	External Admin	0.2%	1.9%	0.1%	1.9%	0.5%	0.2%	1.1%	0.4%	0.5%
	Rebate/Services	81.9%	73.5%	85.7%	75.1%	83.0%	82.9%	80.9%	82.4%	83.0%
	Implementation Services	5.5%	11.7%	4.4%	9.6%	5.8%	5.5%	4.1%	5.2%	5.7%
	Marketing	3.7%	2.8%	3.6%	2.6%	3.4%	3.6%	2.9%	3.4%	3.4%
	EM&V	6.0%	4.7%	4.9%	4.6%	5.0%	5.0%	4.1%	4.8%	4.9%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Programs

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Large Business Energy Solutions	Internal Admin	\$ 47,852	\$ 69,056	\$ 213,590	\$ 95,000	\$ 425,498	\$ 50,919	\$ 85,000	\$ 135,919	\$ 561,417
	External Admin	\$ 3,418	\$ 12,185	\$ 18,064	\$ 10,000	\$ 43,667	\$ 3,637	\$ -	\$ 3,637	\$ 47,304
	Rebate/Services	\$ 1,415,040	\$ 654,376	\$ 17,406,011	\$ 1,937,665	\$ 21,413,091	\$ 1,505,751	\$ 682,168	\$ 2,187,920	\$ 23,601,011
	Implementation Services	\$ 93,994	\$ 163,498	\$ 680,149	\$ 120,000	\$ 1,057,642	\$ 100,020	\$ 43,981	\$ 144,000	\$ 1,201,642
	Marketing	\$ 63,232	\$ 39,072	\$ 659,202	\$ 25,000	\$ 786,506	\$ 67,286	\$ 15,000	\$ 82,286	\$ 868,792
	EM&V	\$ 85,449	\$ 58,001	\$ 998,790	\$ 70,000	\$ 1,212,240	\$ 90,927	\$ 41,000	\$ 131,927	\$ 1,344,167
	Total	\$ 1,708,986	\$ 996,188	\$ 19,975,807	\$ 2,257,665	\$ 24,938,645	\$ 1,818,540	\$ 867,149	\$ 2,685,689	\$ 27,624,334
Small Business Energy Solutions	Internal Admin	\$ 40,294	\$ 74,368	\$ 147,782	\$ 95,000	\$ 357,443	\$ 45,727	\$ 46,039	\$ 91,766	\$ 449,210
	External Admin	\$ 2,878	\$ 12,185	\$ 12,499	\$ 15,000	\$ 42,562	\$ 3,266	\$ -	\$ 3,266	\$ 45,828
	Rebate/Services	\$ 1,191,537	\$ 702,498	\$ 12,043,100	\$ 1,664,838	\$ 15,601,973	\$ 1,352,223	\$ 428,508	\$ 1,780,731	\$ 17,382,704
	Implementation Services	\$ 79,148	\$ 170,967	\$ 470,591	\$ 95,000	\$ 815,706	\$ 89,822	\$ 25,000	\$ 114,822	\$ 930,528
	Marketing	\$ 53,245	\$ 31,153	\$ 456,097	\$ 25,000	\$ 565,495	\$ 60,425	\$ 12,000	\$ 72,425	\$ 637,920
	EM&V	\$ 71,953	\$ 44,921	\$ 691,056	\$ 65,000	\$ 872,930	\$ 81,656	\$ 26,000	\$ 107,656	\$ 980,586
	Total	\$ 1,439,054	\$ 1,036,092	\$ 13,821,124	\$ 1,959,838	\$ 18,256,109	\$ 1,633,120	\$ 537,546	\$ 2,170,666	\$ 20,426,775
Municipal	Internal Admin	\$ 4,972	\$ 15,936	\$ 15,076	\$ 10,000	\$ 45,984	\$ -	\$ -	\$ -	\$ 45,984
	External Admin	\$ 355	\$ 6,093	\$ 1,275	\$ -	\$ 7,723	\$ -	\$ -	\$ -	\$ 7,723
	Rebate/Services	\$ 147,040	\$ 92,819	\$ 1,228,571	\$ 160,000	\$ 1,628,430	\$ -	\$ -	\$ -	\$ 1,628,430
	Implementation Services	\$ 9,767	\$ 22,407	\$ 48,007	\$ 22,200	\$ 102,381	\$ -	\$ -	\$ -	\$ 102,381
	Marketing	\$ 6,571	\$ 4,479	\$ 46,529	\$ 5,000	\$ 62,578	\$ -	\$ -	\$ -	\$ 62,578
	EM&V	\$ 8,879	\$ 21,584	\$ 70,498	\$ 7,500	\$ 108,461	\$ -	\$ -	\$ -	\$ 108,461
	Total	\$ 177,584	\$ 163,318	\$ 1,409,956	\$ 204,700	\$ 1,955,558	\$ -	\$ -	\$ -	\$ 1,955,558
Other*	Internal Admin	\$ 9,933	\$ 8,129	\$ 43,145	\$ 10,500	\$ 71,707	\$ 1,697	\$ -	\$ 1,697	\$ 73,404
	External Admin	\$ 609	\$ -	\$ 3,649	\$ 9,000	\$ 13,258	\$ 121	\$ -	\$ 121	\$ 13,379
	Rebate/Services	\$ 229,660	\$ 25,000	\$ 3,515,959	\$ 101,250	\$ 3,871,870	\$ 50,177	\$ 20,000	\$ 70,177	\$ 3,942,046
	Implementation Services	\$ 19,512	\$ 16,586	\$ 135,443	\$ 52,500	\$ 224,041	\$ 3,333	\$ 5,550	\$ 8,883	\$ 232,924
	Marketing	\$ 33,816	\$ 809	\$ 131,891	\$ 7,500	\$ 174,016	\$ 2,242	\$ -	\$ 2,242	\$ 176,258
	EM&V	\$ 61,227	\$ 15,343	\$ 201,584	\$ 34,000	\$ 312,153	\$ 3,030	\$ -	\$ 3,030	\$ 315,183
	Total	\$ 354,757	\$ 65,867	\$ 4,031,671	\$ 214,750	\$ 4,667,045	\$ 60,600	\$ 25,550	\$ 86,150	\$ 4,753,195

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Program Total and Grand Total (Residential, C&I and Municipal)

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Total C&I and Municipal	Internal Admin	\$ 103,051	\$ 167,490	\$ 419,592	\$ 210,500	\$ 900,633	\$ 98,343	\$ 131,039	\$ 229,382	\$ 1,130,015
	External Admin	\$ 7,260	\$ 30,463	\$ 35,487	\$ 34,000	\$ 107,210	\$ 7,025	\$ -	\$ 7,025	\$ 114,235
	Rebate/Services	\$ 2,983,277	\$ 1,474,693	\$ 34,193,641	\$ 3,863,753	\$ 42,515,364	\$ 2,908,151	\$ 1,130,676	\$ 4,038,827	\$ 46,554,191
	Implementation Services	\$ 202,421	\$ 373,458	\$ 1,334,191	\$ 289,700	\$ 2,199,770	\$ 193,174	\$ 74,531	\$ 267,705	\$ 2,467,475
	Marketing	\$ 156,864	\$ 75,512	\$ 1,293,718	\$ 62,500	\$ 1,588,595	\$ 129,954	\$ 27,000	\$ 156,954	\$ 1,745,548
	EM&V	\$ 227,508	\$ 139,849	\$ 1,961,928	\$ 176,500	\$ 2,505,785	\$ 175,613	\$ 67,000	\$ 242,613	\$ 2,748,398
	Total	\$ 3,680,381	\$ 2,261,465	\$ 39,238,558	\$ 4,636,953	\$ 49,817,357	\$ 3,512,260	\$ 1,430,245	\$ 4,942,505	\$ 54,759,862
Total C&I and Municipal %	Internal Admin	2.8%	7.4%	1.1%	4.5%	1.8%	2.8%	9.2%	4.6%	2.1%
	External Admin	0.2%	1.3%	0.1%	0.7%	0.2%	0.2%	0.0%	0.1%	0.2%
	Rebate/Services	81.1%	65.2%	87.1%	83.3%	85.3%	82.8%	79.1%	81.7%	85.0%
	Implementation Services	5.5%	16.5%	3.4%	6.2%	4.4%	5.5%	5.2%	5.4%	4.5%
	Marketing	4.3%	3.3%	3.3%	1.3%	3.2%	3.7%	1.9%	3.2%	3.2%
	EM&V	6.2%	6.2%	5.0%	3.8%	5.0%	5.0%	4.7%	4.9%	5.0%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Grand Total (Residential, C&I and Municipal)	Internal Admin	\$ 196,832	\$ 423,502	\$ 815,845	\$ 484,500	\$ 1,920,678	\$ 250,940	\$ 246,380	\$ 497,320	\$ 2,417,998
	External Admin	\$ 13,883	\$ 120,000	\$ 69,000	\$ 118,717	\$ 321,600	\$ 17,924	\$ 18,000	\$ 35,924	\$ 357,524
	Rebate/Services	\$ 5,725,181	\$ 4,962,998	\$ 60,980,331	\$ 7,192,986	\$ 78,861,497	\$ 7,427,569	\$ 2,461,667	\$ 9,889,236	\$ 88,750,733
	Implementation Services	\$ 386,633	\$ 926,432	\$ 2,702,769	\$ 714,962	\$ 4,730,797	\$ 492,919	\$ 141,315	\$ 634,234	\$ 5,365,031
	Marketing	\$ 279,389	\$ 206,797	\$ 2,406,881	\$ 177,250	\$ 3,070,317	\$ 324,696	\$ 74,970	\$ 399,666	\$ 3,469,983
	EM&V	\$ 427,781	\$ 364,655	\$ 3,503,436	\$ 381,700	\$ 4,677,572	\$ 448,108	\$ 134,000	\$ 582,108	\$ 5,259,680
	Total	\$ 7,029,699	\$ 7,004,385	\$ 70,478,262	\$ 9,070,115	\$ 93,582,461	\$ 8,962,156	\$ 3,076,332	\$ 12,038,488	\$ 105,620,948
Grand Total % (Residential, C&I and Municipal)	Internal Admin	2.8%	6.0%	1.2%	5.3%	2.1%	2.8%	8.0%	4.1%	2.3%
	External Admin	0.2%	1.7%	0.1%	1.3%	0.3%	0.2%	0.6%	0.3%	0.3%
	Rebate/Services	81.4%	70.9%	86.5%	79.3%	84.3%	82.9%	80.0%	82.1%	84.0%
	Implementation Services	5.5%	13.2%	3.8%	7.9%	5.1%	5.5%	4.6%	5.3%	5.1%
	Marketing	4.0%	3.0%	3.4%	2.0%	3.3%	3.6%	2.4%	3.3%	3.3%
	EM&V	6.1%	5.2%	5.0%	4.2%	5.0%	5.0%	4.4%	4.8%	5.0%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NHSAVES ENERGY EFFICIENCY PROGRAM - 2022 UTILITY BUDGETS BY ACTIVITY

Residential Programs

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Home Energy Assistance	Internal Admin	\$ 50,885	\$ 57,108	\$ 234,789	\$ 110,000	\$ 452,782	\$ 50,449	\$ 60,000	\$ 110,449	\$ 563,231
	External Admin	\$ 3,283	\$ 35,232	\$ 19,857	\$ 60,000	\$ 118,372	\$ 3,255	\$ 16,169	\$ 19,424	\$ 137,796
	Rebate/Services	\$ 1,349,264	\$ 1,062,073	\$ 15,214,834	\$ 1,638,881	\$ 19,265,052	\$ 1,337,723	\$ 578,043	\$ 1,915,765	\$ 21,180,817
	Implementation Services	\$ 95,204	\$ 169,848	\$ 1,117,500	\$ 142,016	\$ 1,524,568	\$ 94,389	\$ 33,250	\$ 127,639	\$ 1,652,207
	Marketing	\$ 60,733	\$ 41,339	\$ 590,461	\$ 35,000	\$ 727,533	\$ 60,214	\$ 17,188	\$ 77,402	\$ 804,935
	EM&V	\$ 82,072	\$ 69,327	\$ 715,323	\$ 70,000	\$ 936,722	\$ 81,370	\$ 24,000	\$ 105,370	\$ 1,042,092
	Total	\$ 1,641,440	\$ 1,434,927	\$ 17,892,764	\$ 2,055,898	\$ 23,025,028	\$ 1,627,400	\$ 728,650	\$ 2,356,050	\$ 25,381,078
HP w/EnergyStar®	Internal Admin	\$ 19,761	\$ 55,763	\$ 93,427	\$ 63,000	\$ 231,950	\$ 40,528	\$ 32,000	\$ 72,528	\$ 304,478
	External Admin	\$ 1,275	\$ 15,994	\$ 7,902	\$ 2,000	\$ 27,170	\$ 2,615	\$ 3,500	\$ 6,115	\$ 33,285
	Rebate/Services	\$ 523,974	\$ 971,311	\$ 6,104,204	\$ 404,020	\$ 8,003,509	\$ 1,074,642	\$ 230,974	\$ 1,305,616	\$ 9,309,125
	Implementation Services	\$ 36,971	\$ 114,644	\$ 444,673	\$ 120,000	\$ 716,288	\$ 75,826	\$ 9,000	\$ 84,826	\$ 801,115
	Marketing	\$ 23,585	\$ 36,693	\$ 234,960	\$ 20,000	\$ 315,238	\$ 48,372	\$ 8,000	\$ 56,372	\$ 371,610
	EM&V	\$ 31,872	\$ 61,000	\$ 284,800	\$ 25,000	\$ 402,672	\$ 65,368	\$ 10,000	\$ 75,368	\$ 478,040
	Total	\$ 637,438	\$ 1,255,404	\$ 7,169,966	\$ 634,020	\$ 9,696,828	\$ 1,307,350	\$ 293,474	\$ 1,600,824	\$ 11,297,652
EnergyStar® Homes	Internal Admin	\$ 9,783	\$ 47,812	\$ 29,000	\$ 38,000	\$ 124,595	\$ 36,226	\$ 38,000	\$ 74,226	\$ 198,821
	External Admin	\$ 631	\$ 15,339	\$ 2,453	\$ 6,500	\$ 24,923	\$ 2,337	\$ 3,500	\$ 5,837	\$ 30,760
	Rebate/Services	\$ 259,418	\$ 457,904	\$ 1,879,251	\$ 242,756	\$ 2,839,329	\$ 960,571	\$ 340,977	\$ 1,301,548	\$ 4,140,877
	Implementation Services	\$ 18,304	\$ 103,202	\$ 138,027	\$ 55,000	\$ 314,534	\$ 67,778	\$ 11,000	\$ 78,778	\$ 393,312
	Marketing	\$ 11,677	\$ 19,889	\$ 72,932	\$ 14,000	\$ 118,498	\$ 43,237	\$ 12,000	\$ 55,237	\$ 173,735
	EM&V	\$ 15,780	\$ 34,327	\$ 88,403	\$ 45,000	\$ 183,510	\$ 58,429	\$ 18,000	\$ 76,429	\$ 259,938
	Total	\$ 315,594	\$ 678,473	\$ 2,210,065	\$ 401,256	\$ 3,605,389	\$ 1,168,578	\$ 423,477	\$ 1,592,055	\$ 5,197,444
Energy Star® Products	Internal Admin	\$ 27,505	\$ 96,739	\$ 87,648	\$ 65,000	\$ 276,893	\$ 32,571	\$ 35,000	\$ 67,571	\$ 344,463
	External Admin	\$ 1,775	\$ 25,687	\$ 7,413	\$ 2,100	\$ 36,975	\$ 2,101	\$ 1,575	\$ 3,676	\$ 40,651
	Rebate/Services	\$ 729,333	\$ 787,242	\$ 5,679,795	\$ 1,236,210	\$ 8,432,579	\$ 863,645	\$ 490,252	\$ 1,353,897	\$ 9,786,477
	Implementation Services	\$ 51,461	\$ 172,335	\$ 417,170	\$ 55,000	\$ 695,966	\$ 60,938	\$ 12,000	\$ 72,938	\$ 768,905
	Marketing	\$ 32,829	\$ 35,132	\$ 265,017	\$ 34,500	\$ 367,478	\$ 38,875	\$ 20,000	\$ 58,875	\$ 426,353
	EM&V	\$ 44,363	\$ 57,571	\$ 269,043	\$ 50,000	\$ 420,978	\$ 52,533	\$ 25,000	\$ 77,533	\$ 498,511
	Total	\$ 887,266	\$ 1,174,707	\$ 6,726,086	\$ 1,442,810	\$ 10,230,869	\$ 1,050,663	\$ 583,827	\$ 1,634,490	\$ 11,865,359

NHSAVES ENERGY EFFICIENCY PROGRAM - 2022 UTILITY BUDGETS BY ACTIVITY
Residential Programs (Continued)

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Other*	Internal Admin	\$ 8,124	\$ 8,536	\$ 10,827	\$ 15,500	\$ 42,986	\$ 16,507	\$ 4,000	\$ 20,507	\$ 63,494
	External Admin	\$ 524	\$ -	\$ 916	\$ 7,750	\$ 9,190	\$ 1,065	\$ 3,000	\$ 4,065	\$ 13,255
	Rebate/Services	\$ 215,413	\$ 25,000	\$ 701,583	\$ 243,874	\$ 1,185,870	\$ 437,710	\$ 43,600	\$ 481,310	\$ 1,667,180
	Implementation Services	\$ 15,199	\$ 12,171	\$ 51,530	\$ 52,500	\$ 131,400	\$ 30,885	\$ 6,030	\$ 36,915	\$ 168,315
	Marketing	\$ 9,696	\$ 1,695	\$ 29,905	\$ 4,500	\$ 45,796	\$ 19,702	\$ 8,970	\$ 28,672	\$ 74,468
	EM&V	\$ 13,103	\$ 2,690	\$ 96,883	\$ 31,250	\$ 143,926	\$ 26,625	\$ 2,750	\$ 29,375	\$ 173,301
	Total	\$ 262,060	\$ 50,091	\$ 891,643	\$ 355,374	\$ 1,559,167	\$ 532,494	\$ 68,350	\$ 600,844	\$ 2,160,011
Total Residential	Internal Admin	\$ 116,058	\$ 265,958	\$ 455,690	\$ 291,500	\$ 1,129,206	\$ 176,281	\$ 169,000	\$ 345,281	\$ 1,474,487
	External Admin	\$ 7,488	\$ 92,252	\$ 38,540	\$ 78,350	\$ 216,630	\$ 11,373	\$ 27,744	\$ 39,117	\$ 255,747
	Rebate/Services	\$ 3,077,402	\$ 3,303,530	\$ 29,579,666	\$ 3,765,741	\$ 39,726,339	\$ 4,674,291	\$ 1,683,846	\$ 6,358,137	\$ 46,084,476
	Implementation Services	\$ 217,140	\$ 572,200	\$ 2,168,899	\$ 424,516	\$ 3,382,756	\$ 329,816	\$ 71,280	\$ 401,096	\$ 3,783,852
	Marketing	\$ 138,521	\$ 134,747	\$ 1,193,276	\$ 108,000	\$ 1,574,543	\$ 210,400	\$ 66,158	\$ 276,558	\$ 1,851,101
	EM&V	\$ 187,190	\$ 224,915	\$ 1,454,452	\$ 221,250	\$ 2,087,807	\$ 284,324	\$ 79,750	\$ 364,074	\$ 2,451,882
	Total	\$ 3,743,798	\$ 4,593,602	\$ 34,890,524	\$ 4,889,357	\$ 48,117,281	\$ 5,686,485	\$ 2,097,778	\$ 7,784,263	\$ 55,901,545
Total %	Internal Admin	3.1%	5.8%	1.3%	6.0%	2.3%	3.1%	8.1%	4.4%	2.6%
	External Admin	0.2%	2.0%	0.1%	1.6%	0.5%	0.2%	1.3%	0.5%	0.5%
	Rebate/Services	82.2%	71.9%	84.8%	77.0%	82.6%	82.2%	80.3%	81.7%	82.4%
	Implementation Services	5.8%	12.5%	6.2%	8.7%	7.0%	5.8%	3.4%	5.2%	6.8%
	Marketing	3.7%	2.9%	3.4%	2.2%	3.3%	3.7%	3.2%	3.6%	3.3%
	EM&V	5.0%	4.9%	4.2%	4.5%	4.3%	5.0%	3.8%	4.7%	4.4%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2022 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Programs

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Large Business Energy Solutions	Internal Admin	\$ 65,548	\$ 72,509	\$ 245,383	\$ 115,000	\$ 498,440	\$ 61,804	\$ 89,000	\$ 150,804	\$ 649,244
	External Admin	\$ 4,229	\$ 12,947	\$ 20,753	\$ 12,000	\$ 49,929	\$ 3,987	\$ 6,000	\$ 9,987	\$ 59,917
	Rebate/Services	\$ 1,738,089	\$ 733,587	\$ 24,385,835	\$ 2,668,856	\$ 29,526,368	\$ 1,638,801	\$ 1,109,756	\$ 2,748,557	\$ 32,274,925
	Implementation Services	\$ 122,639	\$ 171,743	\$ 1,076,724	\$ 150,000	\$ 1,521,106	\$ 115,633	\$ 59,035	\$ 174,668	\$ 1,695,774
	Marketing	\$ 78,235	\$ 31,836	\$ 915,908	\$ 35,000	\$ 1,060,980	\$ 73,766	\$ 25,000	\$ 98,766	\$ 1,159,746
	EM&V	\$ 105,723	\$ 45,992	\$ 1,110,192	\$ 100,000	\$ 1,361,907	\$ 99,684	\$ 52,000	\$ 151,684	\$ 1,513,591
	Total	\$ 2,114,464	\$ 1,068,615	\$ 27,754,795	\$ 3,080,856	\$ 34,018,730	\$ 1,993,675	\$ 1,340,791	\$ 3,334,466	\$ 37,353,196
Small Business Energy Solutions	Internal Admin	\$ 52,173	\$ 78,087	\$ 161,509	\$ 110,000	\$ 401,769	\$ 56,590	\$ 60,000	\$ 116,590	\$ 518,358
	External Admin	\$ 3,366	\$ 12,946	\$ 13,660	\$ 20,000	\$ 49,972	\$ 3,651	\$ 6,000	\$ 9,651	\$ 59,623
	Rebate/Services	\$ 1,383,428	\$ 885,914	\$ 16,050,598	\$ 1,946,317	\$ 20,266,257	\$ 1,500,536	\$ 526,646	\$ 2,027,182	\$ 22,293,438
	Implementation Services	\$ 97,614	\$ 179,594	\$ 708,693	\$ 125,000	\$ 1,110,901	\$ 105,877	\$ 32,000	\$ 137,877	\$ 1,248,778
	Marketing	\$ 62,271	\$ 37,058	\$ 602,845	\$ 30,000	\$ 732,174	\$ 67,542	\$ 10,238	\$ 77,780	\$ 809,954
	EM&V	\$ 84,150	\$ 53,926	\$ 730,721	\$ 90,000	\$ 958,797	\$ 91,273	\$ 30,000	\$ 121,273	\$ 1,080,071
	Total	\$ 1,683,002	\$ 1,247,525	\$ 18,268,026	\$ 2,321,317	\$ 23,519,869	\$ 1,825,469	\$ 664,884	\$ 2,490,353	\$ 26,010,223
Municipal	Internal Admin	\$ 5,505	\$ 16,733	\$ 12,481	\$ 12,000	\$ 46,719	\$ -	\$ -	\$ -	\$ 46,719
	External Admin	\$ 355	\$ 6,093	\$ 1,056	\$ -	\$ 7,503	\$ -	\$ -	\$ -	\$ 7,503
	Rebate/Services	\$ 145,974	\$ 89,545	\$ 1,240,332	\$ 150,000	\$ 1,625,851	\$ -	\$ -	\$ -	\$ 1,625,851
	Implementation Services	\$ 10,300	\$ 23,554	\$ 54,765	\$ 25,000	\$ 113,619	\$ -	\$ -	\$ -	\$ 113,619
	Marketing	\$ 6,571	\$ 4,847	\$ 46,586	\$ 7,500	\$ 65,503	\$ -	\$ -	\$ -	\$ 65,503
	EM&V	\$ 8,879	\$ 22,547	\$ 56,467	\$ 8,000	\$ 95,894	\$ -	\$ -	\$ -	\$ 95,894
	Total	\$ 177,584	\$ 163,318	\$ 1,411,687	\$ 202,500	\$ 1,955,089	\$ -	\$ -	\$ -	\$ 1,955,089
Other*	Internal Admin	\$ 15,139	\$ 8,536	\$ 63,158	\$ 12,100	\$ 98,933	\$ 2,086	\$ -	\$ 2,086	\$ 101,019
	External Admin	\$ 871	\$ -	\$ 5,342	\$ 11,200	\$ 17,412	\$ 135	\$ -	\$ 135	\$ 17,547
	Rebate/Services	\$ 341,897	\$ 25,000	\$ 6,276,616	\$ 130,000	\$ 6,773,513	\$ 55,312	\$ 23,500	\$ 78,812	\$ 6,852,324
	Implementation Services	\$ 28,165	\$ 17,171	\$ 274,220	\$ 63,125	\$ 382,681	\$ 3,903	\$ 6,500	\$ 10,403	\$ 393,084
	Marketing	\$ 32,063	\$ 1,852	\$ 233,900	\$ 8,250	\$ 276,064	\$ 2,490	\$ -	\$ 2,490	\$ 278,554
	EM&V	\$ 70,218	\$ 2,940	\$ 285,551	\$ 36,000	\$ 394,709	\$ 3,364	\$ -	\$ 3,364	\$ 398,074
	Total	\$ 488,353	\$ 55,498	\$ 7,138,787	\$ 260,675	\$ 7,943,313	\$ 67,289	\$ 30,000	\$ 97,289	\$ 8,040,602

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2022 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Program Total and Grand Total (Residential, C&I and Municipal)

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Total C&I and Municipal	Internal Admin	\$ 138,365	\$ 175,864	\$ 482,531	\$ 249,100	\$ 1,045,861	\$ 120,479	\$ 149,000	\$ 269,479	\$ 1,315,340
	External Admin	\$ 8,821	\$ 31,986	\$ 40,810	\$ 43,200	\$ 124,817	\$ 7,773	\$ 12,000	\$ 19,773	\$ 144,590
	Rebate/Services	\$ 3,609,388	\$ 1,734,046	\$ 47,953,381	\$ 4,895,173	\$ 58,191,988	\$ 3,194,648	\$ 1,659,903	\$ 4,854,551	\$ 63,046,539
	Implementation Services	\$ 258,718	\$ 392,062	\$ 2,114,402	\$ 363,125	\$ 3,128,307	\$ 225,413	\$ 97,535	\$ 322,948	\$ 3,451,255
	Marketing	\$ 179,139	\$ 75,593	\$ 1,799,238	\$ 80,750	\$ 2,134,720	\$ 143,798	\$ 35,238	\$ 179,036	\$ 2,313,756
	EM&V	\$ 268,971	\$ 125,405	\$ 2,182,932	\$ 234,000	\$ 2,811,307	\$ 194,322	\$ 82,000	\$ 276,322	\$ 3,087,629
	Total	\$ 4,463,403	\$ 2,534,956	\$ 54,573,294	\$ 5,865,348	\$ 67,437,002	\$ 3,886,433	\$ 2,035,675	\$ 5,922,108	\$ 73,359,110
Total C&I and Municipal %	Internal Admin	3.1%	6.9%	0.9%	4.2%	1.6%	3.1%	7.3%	4.6%	1.8%
	External Admin	0.2%	1.3%	0.1%	0.7%	0.2%	0.2%	0.6%	0.3%	0.2%
	Rebate/Services	80.9%	68.4%	87.9%	83.5%	86.3%	82.2%	81.5%	82.0%	85.9%
	Implementation Services	5.8%	15.5%	3.9%	6.2%	4.6%	5.8%	4.8%	5.5%	4.7%
	Marketing	4.0%	3.0%	3.3%	1.4%	3.2%	3.7%	1.7%	3.0%	3.2%
	EM&V	6.0%	4.9%	4.0%	4.0%	4.2%	5.0%	4.0%	4.7%	4.2%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Grand Total (Residential, C&I and Municipal)	Internal Admin	\$ 254,423	\$ 441,822	\$ 938,221	\$ 540,600	\$ 2,175,067	\$ 296,760	\$ 318,000	\$ 614,760	\$ 2,789,827
	External Admin	\$ 16,308	\$ 124,238	\$ 79,350	\$ 121,550	\$ 341,447	\$ 19,146	\$ 39,744	\$ 58,890	\$ 400,337
	Rebate/Services	\$ 6,686,790	\$ 5,037,576	\$ 77,533,047	\$ 8,660,914	\$ 97,918,328	\$ 7,868,939	\$ 3,343,749	\$ 11,212,688	\$ 109,131,015
	Implementation Services	\$ 475,859	\$ 964,262	\$ 4,283,301	\$ 787,641	\$ 6,511,063	\$ 555,229	\$ 168,815	\$ 724,044	\$ 7,235,107
	Marketing	\$ 317,660	\$ 210,340	\$ 2,992,514	\$ 188,750	\$ 3,709,263	\$ 354,198	\$ 101,396	\$ 455,594	\$ 4,164,857
	EM&V	\$ 456,161	\$ 350,320	\$ 3,637,384	\$ 455,250	\$ 4,899,115	\$ 478,646	\$ 161,750	\$ 640,396	\$ 5,539,511
	Total	\$ 8,207,201	\$ 7,128,559	\$ 89,463,818	\$ 10,754,705	\$ 115,554,283	\$ 9,572,918	\$ 4,133,454	\$ 13,706,372	\$ 129,260,654
Grand Total % (Residential, C&I and Municipal)	Internal Admin	3.1%	6.2%	1.0%	5.0%	1.9%	3.1%	7.7%	4.5%	2.2%
	External Admin	0.2%	1.7%	0.1%	1.1%	0.3%	0.2%	1.0%	0.4%	0.3%
	Rebate/Services	81.5%	70.7%	86.7%	80.5%	84.7%	82.2%	80.9%	81.8%	84.4%
	Implementation Services	5.8%	13.5%	4.8%	7.3%	5.6%	5.8%	4.1%	5.3%	5.6%
	Marketing	3.9%	3.0%	3.3%	1.8%	3.2%	3.7%	2.5%	3.3%	3.2%
	EM&V	5.6%	4.9%	4.1%	4.2%	4.2%	5.0%	3.9%	4.7%	4.3%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NHSAVES ENERGY EFFICIENCY PROGRAM - 2023 UTILITY BUDGETS BY ACTIVITY

Residential Programs

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Home Energy Assistance	Internal Admin	\$ 64,403	\$ 58,551	\$ 294,139	\$ 162,231	\$ 579,324	\$ 61,005	\$ 52,432	\$ 113,436	\$ 692,760
	External Admin	\$ 3,788	\$ 16,793	\$ 24,877	\$ 65,000	\$ 110,459	\$ 3,589	\$ 9,000	\$ 12,589	\$ 123,047
	Rebate/Services	\$ 1,545,676	\$ 1,113,967	\$ 19,000,076	\$ 1,877,768	\$ 23,537,488	\$ 1,464,108	\$ 782,333	\$ 2,246,441	\$ 25,783,929
	Implementation Services	\$ 115,547	\$ 120,377	\$ 1,777,054	\$ 200,000	\$ 2,212,977	\$ 109,449	\$ 27,000	\$ 136,449	\$ 2,349,427
	Marketing	\$ 70,086	\$ 45,778	\$ 742,958	\$ 55,000	\$ 913,822	\$ 66,387	\$ 18,800	\$ 85,187	\$ 999,009
	EM&V	\$ 94,711	\$ 64,512	\$ 674,764	\$ 85,000	\$ 918,987	\$ 89,713	\$ 30,000	\$ 119,713	\$ 1,038,699
	Total	\$ 1,894,211	\$ 1,419,978	\$ 22,513,869	\$ 2,444,999	\$ 28,273,056	\$ 1,794,250	\$ 919,565	\$ 2,713,815	\$ 30,986,871
HP w/EnergyStar®	Internal Admin	\$ 24,692	\$ 58,551	\$ 102,141	\$ 68,000	\$ 253,383	\$ 49,794	\$ 35,000	\$ 84,794	\$ 338,177
	External Admin	\$ 1,452	\$ 16,793	\$ 8,639	\$ 2,200	\$ 29,084	\$ 2,929	\$ 4,000	\$ 6,929	\$ 36,013
	Rebate/Services	\$ 592,597	\$ 1,105,846	\$ 6,647,780	\$ 477,765	\$ 8,823,988	\$ 1,195,054	\$ 253,484	\$ 1,448,538	\$ 10,272,526
	Implementation Services	\$ 44,300	\$ 120,377	\$ 617,086	\$ 140,000	\$ 921,763	\$ 89,336	\$ 10,000	\$ 99,336	\$ 1,021,099
	Marketing	\$ 26,870	\$ 41,009	\$ 258,002	\$ 30,000	\$ 355,881	\$ 54,187	\$ 12,500	\$ 66,687	\$ 422,569
	EM&V	\$ 36,311	\$ 68,348	\$ 234,547	\$ 35,000	\$ 374,207	\$ 73,226	\$ 12,000	\$ 85,226	\$ 459,433
	Total	\$ 726,222	\$ 1,410,924	\$ 7,868,194	\$ 752,965	\$ 10,758,305	\$ 1,464,527	\$ 326,984	\$ 1,791,511	\$ 12,549,816
EnergyStar® Homes	Internal Admin	\$ 11,493	\$ 50,202	\$ 31,799	\$ 40,000	\$ 133,494	\$ 43,357	\$ 40,000	\$ 83,357	\$ 216,851
	External Admin	\$ 676	\$ 16,106	\$ 2,689	\$ 7,000	\$ 26,472	\$ 2,550	\$ 4,000	\$ 6,550	\$ 33,022
	Rebate/Services	\$ 275,831	\$ 456,938	\$ 2,054,069	\$ 270,143	\$ 3,056,980	\$ 1,040,580	\$ 459,552	\$ 1,500,131	\$ 4,557,111
	Implementation Services	\$ 20,620	\$ 108,362	\$ 192,114	\$ 36,750	\$ 357,846	\$ 77,788	\$ 14,500	\$ 92,288	\$ 450,135
	Marketing	\$ 12,507	\$ 20,910	\$ 80,322	\$ 15,000	\$ 128,740	\$ 47,183	\$ 15,000	\$ 62,183	\$ 190,923
	EM&V	\$ 16,901	\$ 34,850	\$ 73,020	\$ 50,000	\$ 174,772	\$ 63,761	\$ 15,000	\$ 78,761	\$ 253,533
	Total	\$ 338,028	\$ 687,369	\$ 2,434,014	\$ 418,893	\$ 3,878,304	\$ 1,275,220	\$ 548,052	\$ 1,823,272	\$ 5,701,576
Energy Star® Products	Internal Admin	\$ 27,712	\$ 101,576	\$ 82,461	\$ 58,000	\$ 269,749	\$ 37,266	\$ 36,000	\$ 73,266	\$ 343,015
	External Admin	\$ 1,630	\$ 26,972	\$ 6,974	\$ 1,000	\$ 36,576	\$ 2,192	\$ 5,000	\$ 7,192	\$ 43,768
	Rebate/Services	\$ 665,094	\$ 572,067	\$ 5,326,574	\$ 1,175,856	\$ 7,739,591	\$ 894,387	\$ 602,070	\$ 1,496,457	\$ 9,236,048
	Implementation Services	\$ 49,719	\$ 181,015	\$ 498,188	\$ 55,000	\$ 783,922	\$ 66,860	\$ 18,000	\$ 84,860	\$ 868,782
	Marketing	\$ 30,157	\$ 28,635	\$ 223,588	\$ 30,000	\$ 312,381	\$ 40,554	\$ 25,000	\$ 65,554	\$ 377,935
	EM&V	\$ 40,753	\$ 47,726	\$ 189,828	\$ 45,000	\$ 323,307	\$ 54,803	\$ 26,250	\$ 81,053	\$ 404,361
	Total	\$ 815,066	\$ 957,991	\$ 6,327,614	\$ 1,364,856	\$ 9,465,526	\$ 1,096,063	\$ 712,320	\$ 1,808,383	\$ 11,273,908

NHSAVES ENERGY EFFICIENCY PROGRAM - 2023 UTILITY BUDGETS BY ACTIVITY
Residential Programs (Continued)

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Other*	Internal Admin	\$ 9,409	\$ 4,629	\$ 13,504	\$ 17,200	\$ 44,742	\$ 18,394	\$ 4,500	\$ 22,894	\$ 67,636
	External Admin	\$ 468	\$ -	\$ 1,142	\$ 5,500	\$ 7,110	\$ 1,082	\$ 3,000	\$ 4,082	\$ 11,192
	Rebate/Services	\$ 191,072	\$ -	\$ 872,305	\$ 246,625	\$ 1,310,002	\$ 441,448	\$ 35,800	\$ 477,248	\$ 1,787,250
	Implementation Services	\$ 16,880	\$ 12,785	\$ 81,586	\$ 61,500	\$ 172,751	\$ 33,000	\$ 8,400	\$ 41,400	\$ 214,151
	Marketing	\$ 8,664	\$ 957	\$ 36,308	\$ 3,800	\$ 49,729	\$ 20,017	\$ 6,900	\$ 26,917	\$ 76,646
	EM&V	\$ 50,234	\$ 7,295	\$ 19,874	\$ 27,550	\$ 104,953	\$ 27,050	\$ 3,000	\$ 30,050	\$ 135,003
	Total	\$ 276,727	\$ 25,666	\$ 1,024,720	\$ 362,175	\$ 1,689,288	\$ 540,990	\$ 61,600	\$ 602,590	\$ 2,291,878
Total Residential	Internal Admin	\$ 137,709	\$ 273,509	\$ 524,044	\$ 345,431	\$ 1,280,692	\$ 209,816	\$ 167,932	\$ 377,747	\$ 1,658,439
	External Admin	\$ 8,015	\$ 76,665	\$ 44,321	\$ 80,700	\$ 209,701	\$ 12,342	\$ 25,000	\$ 37,342	\$ 247,043
	Rebate/Services	\$ 3,270,270	\$ 3,248,817	\$ 33,900,805	\$ 4,048,157	\$ 44,468,049	\$ 5,035,577	\$ 2,133,238	\$ 7,168,815	\$ 51,636,864
	Implementation Services	\$ 247,065	\$ 542,916	\$ 3,166,028	\$ 493,250	\$ 4,449,259	\$ 376,434	\$ 77,900	\$ 454,334	\$ 4,903,593
	Marketing	\$ 148,284	\$ 137,290	\$ 1,341,178	\$ 133,800	\$ 1,760,553	\$ 228,329	\$ 78,200	\$ 306,529	\$ 2,067,082
	EM&V	\$ 238,910	\$ 222,731	\$ 1,192,035	\$ 242,550	\$ 1,896,226	\$ 308,553	\$ 86,250	\$ 394,803	\$ 2,291,029
	Total	\$ 4,050,254	\$ 4,501,928	\$ 40,168,410	\$ 5,343,888	\$ 54,064,480	\$ 6,171,050	\$ 2,568,520	\$ 8,739,570	\$ 62,804,050
Total %	Internal Admin	3.4%	6.1%	1.3%	6.5%	2.4%	3.4%	6.5%	4.3%	2.6%
	External Admin	0.2%	1.7%	0.1%	1.5%	0.4%	0.2%	1.0%	0.4%	0.4%
	Rebate/Services	80.7%	72.2%	84.4%	75.8%	82.3%	81.6%	83.1%	82.0%	82.2%
	Implementation Services	6.1%	12.1%	7.9%	9.2%	8.2%	6.1%	3.0%	5.2%	7.8%
	Marketing	3.7%	3.0%	3.3%	2.5%	3.3%	3.7%	3.0%	3.5%	3.3%
	EM&V	5.9%	4.9%	3.0%	4.5%	3.5%	5.0%	3.4%	4.5%	3.6%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2023 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Programs

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Large Business Energy Solutions	Internal Admin	\$ 85,769	\$ 76,135	\$ 298,763	\$ 125,000	\$ 585,668	\$ 75,145	\$ 100,000	\$ 175,145	\$ 760,812
	External Admin	\$ 5,045	\$ 13,747	\$ 25,268	\$ 15,000	\$ 59,060	\$ 4,420	\$ 6,000	\$ 10,420	\$ 69,480
	Rebate/Services	\$ 2,058,459	\$ 725,781	\$ 34,540,301	\$ 3,697,788	\$ 41,022,329	\$ 1,803,475	\$ 1,680,215	\$ 3,483,690	\$ 44,506,019
	Implementation Services	\$ 153,880	\$ 180,400	\$ 1,663,975	\$ 170,000	\$ 2,168,255	\$ 134,819	\$ 63,000	\$ 197,819	\$ 2,366,074
	Marketing	\$ 93,337	\$ 32,057	\$ 1,286,483	\$ 40,000	\$ 1,451,877	\$ 81,775	\$ 20,000	\$ 101,775	\$ 1,553,652
	EM&V	\$ 126,131	\$ 46,429	\$ 1,169,530	\$ 150,000	\$ 1,492,089	\$ 110,507	\$ 61,196	\$ 171,703	\$ 1,663,792
	Total		\$ 2,522,621	\$ 1,074,549	\$ 38,984,320	\$ 4,197,788	\$ 46,779,278	\$ 2,210,141	\$ 1,930,411	\$ 4,140,552
Small Business Energy Solutions	Internal Admin	\$ 68,509	\$ 81,991	\$ 158,021	\$ 125,000	\$ 433,521	\$ 71,330	\$ 60,000	\$ 131,330	\$ 564,850
	External Admin	\$ 4,030	\$ 13,747	\$ 13,365	\$ 25,000	\$ 56,141	\$ 4,196	\$ 6,300	\$ 10,496	\$ 66,637
	Rebate/Services	\$ 1,644,212	\$ 808,209	\$ 18,268,928	\$ 2,191,118	\$ 22,912,467	\$ 1,711,913	\$ 893,071	\$ 2,604,983	\$ 25,517,450
	Implementation Services	\$ 122,913	\$ 188,653	\$ 880,104	\$ 150,000	\$ 1,341,670	\$ 127,974	\$ 38,000	\$ 165,974	\$ 1,507,643
	Marketing	\$ 74,554	\$ 34,953	\$ 680,442	\$ 45,000	\$ 834,949	\$ 77,623	\$ 20,000	\$ 97,623	\$ 932,572
	EM&V	\$ 100,748	\$ 49,272	\$ 618,583	\$ 125,000	\$ 893,603	\$ 104,897	\$ 34,200	\$ 139,097	\$ 1,032,700
	Total		\$ 2,014,966	\$ 1,176,825	\$ 20,619,441	\$ 2,661,118	\$ 26,472,350	\$ 2,097,932	\$ 1,051,571	\$ 3,149,503
Municipal	Internal Admin	\$ 6,038	\$ 17,570	\$ 10,838	\$ 15,000	\$ 49,445	\$ -	\$ -	\$ -	\$ 49,445
	External Admin	\$ 355	\$ 6,092	\$ 917	\$ -	\$ 7,363	\$ -	\$ -	\$ -	\$ 7,363
	Rebate/Services	\$ 144,909	\$ 86,107	\$ 1,252,947	\$ 140,000	\$ 1,623,962	\$ -	\$ -	\$ -	\$ 1,623,962
	Implementation Services	\$ 10,833	\$ 24,758	\$ 60,361	\$ 30,000	\$ 125,951	\$ -	\$ -	\$ -	\$ 125,951
	Marketing	\$ 6,571	\$ 4,916	\$ 46,667	\$ 8,500	\$ 66,653	\$ -	\$ -	\$ -	\$ 66,653
	EM&V	\$ 8,879	\$ 23,875	\$ 42,425	\$ 12,500	\$ 87,679	\$ -	\$ -	\$ -	\$ 87,679
	Total		\$ 177,584	\$ 163,318	\$ 1,414,153	\$ 206,000	\$ 1,961,055	\$ -	\$ -	\$ -
Other*	Internal Admin	\$ 23,991	\$ 8,963	\$ 87,289	\$ 13,500	\$ 133,743	\$ 2,560	\$ -	\$ 2,560	\$ 136,303
	External Admin	\$ 1,298	\$ -	\$ 7,382	\$ 13,400	\$ 22,081	\$ 151	\$ -	\$ 151	\$ 22,231
	Rebate/Services	\$ 505,907	\$ -	\$ 10,091,521	\$ 133,750	\$ 10,731,178	\$ 61,428	\$ 25,000	\$ 86,428	\$ 10,817,607
	Implementation Services	\$ 43,043	\$ 17,785	\$ 482,036	\$ 73,781	\$ 616,646	\$ 4,592	\$ 7,500	\$ 12,092	\$ 628,738
	Marketing	\$ 47,859	\$ 1,327	\$ 373,300	\$ 9,000	\$ 431,486	\$ 2,785	\$ -	\$ 2,785	\$ 434,272
	EM&V	\$ 83,529	\$ 15,512	\$ 341,491	\$ 39,000	\$ 479,532	\$ 3,764	\$ -	\$ 3,764	\$ 483,296
	Total		\$ 705,629	\$ 43,587	\$ 11,383,018	\$ 282,431	\$ 12,414,666	\$ 75,280	\$ 32,500	\$ 107,780

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2023 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Program Total and Grand Total (Residential, C&I and Municipal)

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Total C&I and Municipal	Internal Admin	\$ 184,307	\$ 184,659	\$ 554,911	\$ 278,500	\$ 1,202,377	\$ 149,034	\$ 160,000	\$ 309,034	\$ 1,511,411
	External Admin	\$ 10,729	\$ 33,585	\$ 46,932	\$ 53,400	\$ 144,646	\$ 8,767	\$ 12,300	\$ 21,067	\$ 165,712
	Rebate/Services	\$ 4,353,487	\$ 1,620,097	\$ 64,153,696	\$ 6,162,657	\$ 76,289,936	\$ 3,576,816	\$ 2,598,286	\$ 6,175,102	\$ 82,465,038
	Implementation Services	\$ 330,669	\$ 411,596	\$ 3,086,476	\$ 423,781	\$ 4,252,522	\$ 267,385	\$ 108,500	\$ 375,885	\$ 4,628,406
	Marketing	\$ 222,321	\$ 73,254	\$ 2,386,891	\$ 102,500	\$ 2,784,965	\$ 162,184	\$ 40,000	\$ 202,184	\$ 2,987,149
	EM&V	\$ 319,288	\$ 135,088	\$ 2,172,028	\$ 326,500	\$ 2,952,903	\$ 219,168	\$ 95,396	\$ 314,564	\$ 3,267,467
	Total	\$ 5,420,800	\$ 2,458,279	\$ 72,400,933	\$ 7,347,338	\$ 87,627,349	\$ 4,383,353	\$ 3,014,482	\$ 7,397,835	\$ 95,025,184
Total C&I and Municipal %	Internal Admin	3.4%	7.5%	0.8%	3.8%	1.4%	3.4%	5.3%	4.2%	1.6%
	External Admin	0.2%	1.4%	0.1%	0.7%	0.2%	0.2%	0.4%	0.3%	0.2%
	Rebate/Services	80.3%	65.9%	88.6%	83.9%	87.1%	81.6%	86.2%	83.5%	86.8%
	Implementation Services	6.1%	16.7%	4.3%	5.8%	4.9%	6.1%	3.6%	5.1%	4.9%
	Marketing	4.1%	3.0%	3.3%	1.4%	3.2%	3.7%	1.3%	2.7%	3.1%
	EM&V	5.9%	5.5%	3.0%	4.4%	3.4%	5.0%	3.2%	4.3%	3.4%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Grand Total (Residential, C&I and Municipal)	Internal Admin	\$ 322,016	\$ 458,168	\$ 1,078,954	\$ 623,931	\$ 2,483,069	\$ 358,850	\$ 327,932	\$ 686,781	\$ 3,169,850
	External Admin	\$ 18,744	\$ 110,250	\$ 91,253	\$ 134,100	\$ 354,347	\$ 21,109	\$ 37,300	\$ 58,409	\$ 412,755
	Rebate/Services	\$ 7,623,757	\$ 4,868,914	\$ 98,054,501	\$ 10,210,814	\$ 120,757,985	\$ 8,612,393	\$ 4,731,524	\$ 13,343,917	\$ 134,101,902
	Implementation Services	\$ 577,734	\$ 954,512	\$ 6,252,504	\$ 917,031	\$ 8,701,781	\$ 643,819	\$ 186,400	\$ 830,219	\$ 9,532,000
	Marketing	\$ 370,605	\$ 210,544	\$ 3,728,069	\$ 236,300	\$ 4,545,518	\$ 390,513	\$ 118,200	\$ 508,713	\$ 5,054,231
	EM&V	\$ 558,198	\$ 357,819	\$ 3,364,063	\$ 569,050	\$ 4,849,129	\$ 527,720	\$ 181,646	\$ 709,366	\$ 5,558,496
	Total	\$ 9,471,054	\$ 6,960,207	\$ 112,569,343	\$ 12,691,225	\$ 141,691,829	\$ 10,554,403	\$ 5,583,002	\$ 16,137,405	\$ 157,829,233
Grand Total % (Residential, C&I and Municipal)	Internal Admin	3.4%	6.6%	1.0%	4.9%	1.8%	3.4%	5.9%	4.3%	2.0%
	External Admin	0.2%	1.6%	0.1%	1.1%	0.3%	0.2%	0.7%	0.4%	0.3%
	Rebate/Services	80.5%	70.0%	87.1%	80.5%	85.2%	81.6%	84.7%	82.7%	85.0%
	Implementation Services	6.1%	13.7%	5.6%	7.2%	6.1%	6.1%	3.3%	5.1%	6.0%
	Marketing	3.9%	3.0%	3.3%	1.9%	3.2%	3.7%	2.1%	3.2%	3.2%
	EM&V	5.9%	5.1%	3.0%	4.5%	3.4%	5.0%	3.3%	4.4%	3.5%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021-2023 UTILITY BUDGETS BY ACTIVITY
Residential Programs

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Home Energy Assistance	Internal Admin	\$ 155,098	\$ 172,767	\$ 708,429	\$ 380,231	\$ 1,416,524	\$ 154,114	\$ 154,272	\$ 308,386	\$ 1,724,910
	External Admin	\$ 9,915	\$ 87,257	\$ 59,915	\$ 195,967	\$ 353,054	\$ 9,890	\$ 32,669	\$ 42,560	\$ 395,614
	Rebate/Services	\$ 4,072,171	\$ 3,229,334	\$ 46,326,522	\$ 4,698,897	\$ 58,326,923	\$ 4,063,347	\$ 1,790,785	\$ 5,854,132	\$ 64,181,055
	Implementation Services	\$ 288,948	\$ 460,073	\$ 3,514,513	\$ 513,278	\$ 4,776,812	\$ 287,635	\$ 91,205	\$ 378,840	\$ 5,155,651
	Marketing	\$ 183,425	\$ 119,203	\$ 1,798,575	\$ 125,000	\$ 2,226,203	\$ 182,973	\$ 47,988	\$ 230,961	\$ 2,457,164
	EM&V	\$ 247,871	\$ 187,316	\$ 2,094,331	\$ 225,000	\$ 2,754,518	\$ 247,261	\$ 74,000	\$ 321,261	\$ 3,075,779
	Total	\$ 4,957,427	\$ 4,255,950	\$ 54,502,285	\$ 6,138,372	\$ 69,854,034	\$ 4,945,220	\$ 2,190,919	\$ 7,136,139	\$ 76,990,173
HP w/EnergyStar®	Internal Admin	\$ 57,254	\$ 167,422	\$ 277,927	\$ 191,000	\$ 693,603	\$ 124,084	\$ 92,000	\$ 216,084	\$ 909,687
	External Admin	\$ 3,642	\$ 48,019	\$ 23,506	\$ 5,950	\$ 81,116	\$ 7,955	\$ 10,000	\$ 17,955	\$ 99,072
	Rebate/Services	\$ 1,495,150	\$ 2,931,966	\$ 18,359,061	\$ 1,195,470	\$ 23,981,647	\$ 3,268,096	\$ 674,288	\$ 3,942,385	\$ 27,924,031
	Implementation Services	\$ 106,418	\$ 344,207	\$ 1,346,212	\$ 360,000	\$ 2,156,836	\$ 231,481	\$ 28,000	\$ 259,481	\$ 2,416,318
	Marketing	\$ 67,373	\$ 111,359	\$ 706,397	\$ 65,000	\$ 950,128	\$ 147,174	\$ 26,500	\$ 173,674	\$ 1,123,802
	EM&V	\$ 91,044	\$ 185,444	\$ 842,733	\$ 80,000	\$ 1,199,221	\$ 198,884	\$ 32,000	\$ 230,884	\$ 1,430,105
	Total	\$ 1,820,881	\$ 3,788,415	\$ 21,555,834	\$ 1,897,420	\$ 29,062,551	\$ 3,977,675	\$ 862,788	\$ 4,840,463	\$ 33,903,014
EnergyStar® Homes	Internal Admin	\$ 28,846	\$ 143,548	\$ 86,236	\$ 113,000	\$ 371,631	\$ 108,684	\$ 98,000	\$ 206,684	\$ 578,315
	External Admin	\$ 1,848	\$ 46,055	\$ 7,293	\$ 19,000	\$ 74,196	\$ 6,966	\$ 11,000	\$ 17,966	\$ 92,162
	Rebate/Services	\$ 759,102	\$ 1,373,229	\$ 5,649,673	\$ 803,054	\$ 8,585,058	\$ 2,861,696	\$ 1,052,467	\$ 3,914,163	\$ 12,499,221
	Implementation Services	\$ 53,794	\$ 309,852	\$ 417,997	\$ 141,750	\$ 923,393	\$ 202,728	\$ 36,500	\$ 239,228	\$ 1,162,621
	Marketing	\$ 34,187	\$ 60,788	\$ 219,175	\$ 41,000	\$ 355,150	\$ 128,875	\$ 33,000	\$ 161,875	\$ 517,025
	EM&V	\$ 46,199	\$ 102,492	\$ 261,303	\$ 135,000	\$ 544,994	\$ 174,155	\$ 48,000	\$ 222,155	\$ 767,149
	Total	\$ 923,976	\$ 2,035,965	\$ 6,641,678	\$ 1,252,804	\$ 10,854,423	\$ 3,483,104	\$ 1,278,967	\$ 4,762,071	\$ 15,616,493
Energy Star® Products	Internal Admin	\$ 81,764	\$ 290,448	\$ 270,522	\$ 181,000	\$ 823,734	\$ 97,159	\$ 96,000	\$ 193,159	\$ 1,016,893
	External Admin	\$ 5,301	\$ 77,123	\$ 22,879	\$ 5,100	\$ 110,403	\$ 6,245	\$ 8,075	\$ 14,320	\$ 124,723
	Rebate/Services	\$ 2,179,453	\$ 2,456,123	\$ 17,781,651	\$ 3,699,029	\$ 26,116,257	\$ 2,565,993	\$ 1,508,835	\$ 4,074,828	\$ 30,191,085
	Implementation Services	\$ 153,326	\$ 517,418	\$ 1,262,165	\$ 171,000	\$ 2,103,909	\$ 181,467	\$ 40,000	\$ 221,467	\$ 2,325,376
	Marketing	\$ 98,066	\$ 108,675	\$ 832,018	\$ 114,500	\$ 1,153,259	\$ 115,533	\$ 60,000	\$ 175,533	\$ 1,328,792
	EM&V	\$ 132,522	\$ 180,142	\$ 857,525	\$ 150,000	\$ 1,320,189	\$ 156,126	\$ 71,250	\$ 227,376	\$ 1,547,565
	Total	\$ 2,650,432	\$ 3,629,929	\$ 21,026,760	\$ 4,320,629	\$ 31,627,751	\$ 3,122,524	\$ 1,784,160	\$ 4,906,684	\$ 36,534,435

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021-2023 UTILITY BUDGETS BY ACTIVITY
Residential Programs (Continued)

Description	Electric Utilities					Gas Utilities			Grand Total	
	Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas		
Other*	Internal Admin	\$ 24,585	\$ 21,294	\$ 32,873	\$ 45,700	\$ 124,452	\$ 54,653	\$ 12,000	\$ 66,653	\$ 191,105
	External Admin	\$ 1,420	\$ -	\$ 2,780	\$ 17,750	\$ 21,951	\$ 3,558	\$ 9,000	\$ 12,558	\$ 34,509
	Rebate/Services	\$ 583,700	\$ 50,000	\$ 2,150,255	\$ 746,682	\$ 3,530,636	\$ 1,470,153	\$ 121,700	\$ 1,591,853	\$ 5,122,489
	Implementation Services	\$ 45,933	\$ 36,541	\$ 162,618	\$ 157,000	\$ 402,092	\$ 102,683	\$ 20,260	\$ 122,943	\$ 525,035
	Marketing	\$ 26,279	\$ 3,297	\$ 91,452	\$ 11,050	\$ 132,078	\$ 58,916	\$ 24,840	\$ 83,756	\$ 215,834
	EM&V	\$ 108,737	\$ 17,058	\$ 132,103	\$ 79,000	\$ 336,899	\$ 88,945	\$ 7,750	\$ 96,695	\$ 433,594
	Total	\$ 790,654	\$ 128,191	\$ 2,572,081	\$ 1,057,182	\$ 4,548,107	\$ 1,778,908	\$ 195,550	\$ 1,974,458	\$ 6,522,565
Total Residential	Internal Admin	\$ 347,547	\$ 795,479	\$ 1,375,986	\$ 910,931	\$ 3,429,943	\$ 538,694	\$ 452,272	\$ 990,966	\$ 4,420,909
	External Admin	\$ 22,126	\$ 258,454	\$ 116,374	\$ 243,767	\$ 640,720	\$ 34,615	\$ 70,744	\$ 105,359	\$ 746,080
	Rebate/Services	\$ 9,089,576	\$ 10,040,652	\$ 90,267,161	\$ 11,143,132	\$ 120,540,521	\$ 14,229,285	\$ 5,148,075	\$ 19,377,360	\$ 139,917,881
	Implementation Services	\$ 648,418	\$ 1,668,090	\$ 6,703,505	\$ 1,343,028	\$ 10,363,042	\$ 1,005,994	\$ 215,965	\$ 1,221,959	\$ 11,585,002
	Marketing	\$ 409,330	\$ 403,322	\$ 3,647,617	\$ 356,550	\$ 4,816,818	\$ 633,471	\$ 192,328	\$ 825,799	\$ 5,642,617
	EM&V	\$ 626,373	\$ 672,453	\$ 4,187,995	\$ 669,000	\$ 6,155,821	\$ 865,372	\$ 233,000	\$ 1,098,372	\$ 7,254,192
	Total	\$ 11,143,370	\$ 13,838,450	\$ 106,298,638	\$ 14,666,407	\$ 145,946,865	\$ 17,307,431	\$ 6,312,385	\$ 23,619,816	\$ 169,566,681
Total %	Internal Admin	3.1%	5.7%	1.3%	6.2%	2.4%	3.1%	7.2%	4.2%	2.6%
	External Admin	0.2%	1.9%	0.1%	1.7%	0.4%	0.2%	1.1%	0.4%	0.4%
	Rebate/Services	81.6%	72.6%	84.9%	76.0%	82.6%	82.2%	81.6%	82.0%	82.5%
	Implementation Services	5.8%	12.1%	6.3%	9.2%	7.1%	5.8%	3.4%	5.2%	6.8%
	Marketing	3.7%	2.9%	3.4%	2.4%	3.3%	3.7%	3.0%	3.5%	3.3%
	EM&V	5.6%	4.9%	3.9%	4.6%	4.2%	5.0%	3.7%	4.7%	4.3%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021-2023 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Programs

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Large Business Energy Solutions	Internal Admin	\$ 199,169	\$ 217,700	\$ 757,736	\$ 335,000	\$ 1,509,606	\$ 187,868	\$ 274,000	\$ 461,868	\$ 1,971,473
	External Admin	\$ 12,692	\$ 38,879	\$ 64,085	\$ 37,000	\$ 152,657	\$ 12,045	\$ 12,000	\$ 24,045	\$ 176,702
	Rebate/Services	\$ 5,211,589	\$ 2,113,744	\$ 76,332,147	\$ 8,304,309	\$ 91,961,788	\$ 4,948,027	\$ 3,472,140	\$ 8,420,167	\$ 100,381,955
	Implementation Services	\$ 370,513	\$ 515,641	\$ 3,420,849	\$ 440,000	\$ 4,747,003	\$ 350,471	\$ 166,015	\$ 516,487	\$ 5,263,490
	Marketing	\$ 234,805	\$ 102,966	\$ 2,861,592	\$ 100,000	\$ 3,299,363	\$ 222,827	\$ 60,000	\$ 282,827	\$ 3,582,190
	EM&V	\$ 317,304	\$ 150,422	\$ 3,278,512	\$ 320,000	\$ 4,066,237	\$ 301,118	\$ 154,196	\$ 455,314	\$ 4,521,551
	Total	\$ 6,346,071	\$ 3,139,353	\$ 86,714,921	\$ 9,536,309	\$ 105,736,654	\$ 6,022,356	\$ 4,138,351	\$ 10,160,707	\$ 115,897,361
Small Business Energy Solutions	Internal Admin	\$ 160,975	\$ 234,446	\$ 467,312	\$ 330,000	\$ 1,192,733	\$ 173,647	\$ 166,039	\$ 339,685	\$ 1,532,418
	External Admin	\$ 10,274	\$ 38,878	\$ 39,523	\$ 60,000	\$ 148,675	\$ 11,113	\$ 12,300	\$ 23,413	\$ 172,088
	Rebate/Services	\$ 4,219,177	\$ 2,396,621	\$ 46,362,626	\$ 5,802,273	\$ 58,780,697	\$ 4,564,671	\$ 1,848,224	\$ 6,412,896	\$ 65,193,593
	Implementation Services	\$ 299,675	\$ 539,214	\$ 2,059,387	\$ 370,000	\$ 3,268,277	\$ 323,673	\$ 95,000	\$ 418,673	\$ 3,686,949
	Marketing	\$ 190,070	\$ 103,164	\$ 1,739,384	\$ 100,000	\$ 2,132,617	\$ 205,591	\$ 42,238	\$ 247,829	\$ 2,380,446
	EM&V	\$ 256,851	\$ 148,118	\$ 2,040,360	\$ 280,000	\$ 2,725,330	\$ 277,826	\$ 90,200	\$ 368,026	\$ 3,093,356
	Total	\$ 5,137,022	\$ 3,460,442	\$ 52,708,591	\$ 6,942,273	\$ 68,248,328	\$ 5,556,521	\$ 2,254,001	\$ 7,810,522	\$ 76,058,851
Municipal	Internal Admin	\$ 16,515	\$ 50,239	\$ 38,394	\$ 37,000	\$ 142,149	\$ -	\$ -	\$ -	\$ 142,149
	External Admin	\$ 1,066	\$ 18,277	\$ 3,247	\$ -	\$ 22,590	\$ -	\$ -	\$ -	\$ 22,590
	Rebate/Services	\$ 437,922	\$ 268,471	\$ 3,721,850	\$ 450,000	\$ 4,878,244	\$ -	\$ -	\$ -	\$ 4,878,244
	Implementation Services	\$ 30,900	\$ 70,719	\$ 163,133	\$ 77,200	\$ 341,952	\$ -	\$ -	\$ -	\$ 341,952
	Marketing	\$ 19,712	\$ 14,241	\$ 139,781	\$ 21,000	\$ 194,734	\$ -	\$ -	\$ -	\$ 194,734
	EM&V	\$ 26,638	\$ 68,007	\$ 169,390	\$ 28,000	\$ 292,034	\$ -	\$ -	\$ -	\$ 292,034
	Total	\$ 532,752	\$ 489,954	\$ 4,235,796	\$ 613,200	\$ 5,871,702	\$ -	\$ -	\$ -	\$ 5,871,702
Other*	Internal Admin	\$ 49,064	\$ 25,628	\$ 193,592	\$ 36,100	\$ 304,383	\$ 6,342	\$ -	\$ 6,342	\$ 310,726
	External Admin	\$ 2,778	\$ -	\$ 16,373	\$ 33,600	\$ 52,751	\$ 406	\$ -	\$ 406	\$ 53,158
	Rebate/Services	\$ 1,077,465	\$ 50,000	\$ 19,884,096	\$ 365,000	\$ 21,376,560	\$ 166,917	\$ 68,500	\$ 235,417	\$ 21,611,977
	Implementation Services	\$ 90,720	\$ 51,541	\$ 891,700	\$ 189,406	\$ 1,223,368	\$ 11,828	\$ 19,550	\$ 31,378	\$ 1,254,746
	Marketing	\$ 113,738	\$ 3,988	\$ 739,090	\$ 24,750	\$ 881,566	\$ 7,517	\$ -	\$ 7,517	\$ 889,083
	EM&V	\$ 214,974	\$ 33,795	\$ 828,626	\$ 109,000	\$ 1,186,395	\$ 10,158	\$ -	\$ 10,158	\$ 1,196,553
	Total	\$ 1,548,739	\$ 164,953	\$ 22,553,476	\$ 757,856	\$ 25,025,024	\$ 203,169	\$ 88,050	\$ 291,219	\$ 25,316,243

* Other includes company-specific programs, education, forward capacity market administration and loan program administration.

NHSAVES ENERGY EFFICIENCY PROGRAM - 2021-2023 UTILITY BUDGETS BY ACTIVITY
C&I and Municipal Program Total and Grand Total (Residential, C&I and Municipal)

		Electric Utilities					Gas Utilities			Grand Total
		Liberty	NHEC	Eversource	Unitil	Sub-total Electric	Liberty	Unitil	Sub-total Gas	
Total C&I and Municipal	Internal Admin	\$ 425,723	\$ 528,013	\$ 1,457,034	\$ 738,100	\$ 3,148,871	\$ 367,857	\$ 440,039	\$ 807,896	\$ 3,956,766
	External Admin	\$ 26,810	\$ 96,035	\$ 123,229	\$ 130,600	\$ 376,673	\$ 23,564	\$ 24,300	\$ 47,864	\$ 424,537
	Rebate/Services	\$ 10,946,152	\$ 4,828,836	\$ 146,300,718	\$ 14,921,582	\$ 176,997,289	\$ 9,679,615	\$ 5,388,864	\$ 15,068,479	\$ 192,065,769
	Implementation Services	\$ 791,808	\$ 1,177,116	\$ 6,535,069	\$ 1,076,606	\$ 9,580,599	\$ 685,972	\$ 280,565	\$ 966,537	\$ 10,547,136
	Marketing	\$ 558,324	\$ 224,358	\$ 5,479,847	\$ 245,750	\$ 6,508,280	\$ 435,936	\$ 102,238	\$ 538,174	\$ 7,046,454
	EM&V	\$ 815,766	\$ 400,342	\$ 6,316,888	\$ 737,000	\$ 8,269,996	\$ 589,102	\$ 244,396	\$ 833,498	\$ 9,103,494
	Total	\$ 13,564,584	\$ 7,254,701	\$ 166,212,785	\$ 17,849,638	\$ 204,881,708	\$ 11,782,046	\$ 6,480,402	\$ 18,262,448	\$ 223,144,156
Total C&I and Municipal %	Internal Admin	3.1%	7.3%	0.9%	4.1%	1.5%	3.1%	6.8%	4.4%	1.8%
	External Admin	0.2%	1.3%	0.1%	0.7%	0.2%	0.2%	0.4%	0.3%	0.2%
	Rebate/Services	80.7%	66.6%	88.0%	83.6%	86.4%	82.2%	83.2%	82.5%	86.1%
	Implementation Services	5.8%	16.2%	3.9%	6.0%	4.7%	5.8%	4.3%	5.3%	4.7%
	Marketing	4.1%	3.1%	3.3%	1.4%	3.2%	3.7%	1.6%	2.9%	3.2%
	EM&V	6.0%	5.5%	3.8%	4.1%	4.0%	5.0%	3.8%	4.6%	4.1%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Grand Total (Residential, C&I and Municipal)	Internal Admin	\$ 773,271	\$ 1,323,492	\$ 2,833,020	\$ 1,649,031	\$ 6,578,814	\$ 906,551	\$ 892,311	\$ 1,798,862	\$ 8,377,675
	External Admin	\$ 48,936	\$ 354,488	\$ 239,603	\$ 374,367	\$ 1,017,393	\$ 58,179	\$ 95,044	\$ 153,223	\$ 1,170,617
	Rebate/Services	\$ 20,035,728	\$ 14,869,489	\$ 236,567,879	\$ 26,064,714	\$ 297,537,810	\$ 23,908,900	\$ 10,536,940	\$ 34,445,840	\$ 331,983,650
	Implementation Services	\$ 1,440,226	\$ 2,845,206	\$ 13,238,574	\$ 2,419,634	\$ 19,943,641	\$ 1,691,966	\$ 496,530	\$ 2,188,497	\$ 22,132,138
	Marketing	\$ 967,654	\$ 627,680	\$ 9,127,464	\$ 602,300	\$ 11,325,098	\$ 1,069,407	\$ 294,566	\$ 1,363,973	\$ 12,689,071
	EM&V	\$ 1,442,139	\$ 1,072,795	\$ 10,504,882	\$ 1,406,000	\$ 14,425,816	\$ 1,454,474	\$ 477,396	\$ 1,931,870	\$ 16,357,686
	Total	\$ 24,707,954	\$ 21,093,151	\$ 272,511,423	\$ 32,516,045	\$ 350,828,573	\$ 29,089,477	\$ 12,792,787	\$ 41,882,264	\$ 392,710,834
Grand Total % (Residential, C&I and Municipal)	Internal Admin	3.1%	6.3%	1.0%	5.1%	1.9%	3.1%	7.0%	4.3%	2.1%
	External Admin	0.2%	1.7%	0.1%	1.2%	0.3%	0.2%	0.7%	0.4%	0.3%
	Rebate/Services	81.1%	70.5%	86.8%	80.2%	84.8%	82.2%	82.4%	82.2%	84.5%
	Implementation Services	5.8%	13.5%	4.9%	7.4%	5.7%	5.8%	3.9%	5.2%	5.6%
	Marketing	3.9%	3.0%	3.3%	1.9%	3.2%	3.7%	2.3%	3.3%	3.2%
	EM&V	5.8%	5.1%	3.9%	4.3%	4.1%	5.0%	3.7%	4.6%	4.2%
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NHSAVES ELECTRIC PROGRAMS - 2021 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	293	5,975,636	90	1,882,243	1,466	26,183,626	124	2,534,459	1,974	36,575,964
B/C Ratio ¹ / Planned Budget	2.45	\$1,421,776	1.25	\$1,401,044	1.97	\$14,095,653	1.79	\$1,637,476	1.94	\$18,555,949
/ Lifetime MMBtu Savings		42,528		47,147		709,300		68,015		866,991
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	50	1,209,514	166	3,316,751	2,824	14,098,218	54	1,252,595	3,094	19,877,078
B/C Ratio ¹ / Planned Budget	1.82	\$457,221	2.64	\$1,122,087	3.53	\$6,517,675	1.80	\$510,435	3.22	\$8,607,418
/ Lifetime MMBtu Savings		26,957		102,874		828,962		27,622		986,416
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	60	2,600,397	100	7,779,914	517	26,394,738	120	1,464,811	797	38,239,860
B/C Ratio ¹ / Planned Budget	6.19	\$270,354	6.64	\$670,122	4.54	\$1,997,598	3.23	\$432,655	4.92	\$3,370,729
/ Lifetime MMBtu Savings		47,096		121,188		227,506		39,310		435,100
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	28,290	12,445,042	51,969	18,370,946	300,151	90,536,207	61,666	19,705,566	442,076	141,057,761
B/C Ratio ¹ / Planned Budget	1.55	\$948,100	1.70	\$1,497,232	1.55	\$7,973,060	2.30	\$1,512,964	1.66	\$11,931,356
/ Lifetime MMBtu Savings		1,667		5,939		49,045		35,182		91,834
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	235	70,814,653	31	38,770,202	1,361	694,223,072	184	72,746,685	1,811	876,554,611
B/C Ratio ¹ / Planned Budget	4.01	\$1,708,986	1.79	\$996,188	3.68	\$19,975,807	2.01	\$2,257,665	3.47	\$24,938,645
/ Lifetime MMBtu Savings		0		0		0		1,074		1,074
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	318	59,028,227	210	34,557,910	5,130	432,850,927	448	52,467,187	6,106	578,904,251
B/C Ratio ¹ / Planned Budget	4.31	\$1,439,054	3.07	\$1,036,092	3.16	\$13,821,124	2.31	\$1,959,838	3.15	\$18,256,109
/ Lifetime MMBtu Savings		0		0		313		2,031		2,343
Municipal										
Number of Participants / Lifetime kWh Savings	94	5,108,213	15	2,129,149	108	37,868,000	11	7,328,571	227	52,433,933
B/C Ratio ¹ / Planned Budget	2.42	\$177,584	1.77	\$163,318	3.61	\$1,409,956	5.41	\$204,700	3.54	\$1,955,558
/ Lifetime MMBtu Savings		1,104		3,170		70,653		2,500		77,427
Educational Programs										
Number of Participants / Planned Budget	0	\$72,760	0	\$92,869	0	\$385,680	0	\$84,450	0	\$635,758
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,290	796	0	0	1,625	59,250	22,844	1,749	34,759	61,795
/ Planned Budget		\$533,864		\$20,000		\$4,268,667		\$469,933		\$5,292,464
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,432	0	\$33,043	0	\$0	0	\$38,475
Utility Performance Incentive										
Planned Budget		\$386,633		\$384,942		\$3,874,487		\$498,856		\$5,144,919
TOTAL PLANNED BUDGET		\$7,416,333		\$7,389,327		\$74,352,749		\$9,568,971		\$98,727,380

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS
SBC¹ and RGGI Funding Allocation
2021 Budget

Program Allocation Summary

Program	RGGI	SBC ¹	TOTAL
HEA²			
Liberty	2.94355%	97.05645%	100.00000%
NHEC	2.54110%	97.45890%	100.00000%
Eversource	2.53744%	97.46256%	100.00000%
Unitil	3.28140%	96.71860%	100.00000%
Municipal			
Liberty	100.00000%	0.00000%	100.00000%
NHEC	100.00000%	0.00000%	100.00000%
Eversource	100.00000%	0.00000%	100.00000%
Unitil	100.00000%	0.00000%	100.00000%

A	B	C	D
Utility	HEA Budget	RGGI HEA ³	SBC HEA ⁴
Liberty	\$ 1,421,776	\$41,851	\$1,379,926
NHEC	\$ 1,401,044	\$35,602	\$1,365,442
Eversource	\$ 14,095,653	\$357,669	\$13,737,983
Unitil	\$ 1,637,476	\$53,732	\$1,583,744
Total	\$ 18,555,949	\$488,854	\$18,067,095

Notes:

¹ SBC = System Benefits Charge, Forward Capacity Market and Carryforward/Interest

² HEA Allocation

RGGI HEA = RGGI HEA (C) /Total HEA Funds (B)

SBC HEA = SBC HEA (D) /Total HEA Funds (B)

³ 17.0% of Total RGGI Funds including SB 268 funding less RGGI HEA Performance Incentive

⁴ SBC HEA = Utility's total HEA program budget (B) less RGGI HEA (C)

NHSAVES ELECTRIC PROGRAMS - 2021 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(System Benefits Charge, Forward Capacity Market and Interest Funds Only)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	285	5,799,740	88	1,834,413	1,429	25,519,231	120	2,451,294	1,922	35,604,678
B/C Ratio ¹ / Planned Budget	2.45	\$1,379,926	1.25	\$1,365,442	1.97	\$13,737,983	1.79	\$1,583,744	1.94	\$18,067,095
/ Lifetime MMBtu Savings		41,276		45,949		691,302		65,783		844,311
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	50	1,209,514	166	3,316,751	2,824	14,098,218	54	1,252,595	3,094	19,877,078
B/C Ratio ¹ / Planned Budget	1.82	\$457,221	2.64	\$1,122,087	3.53	\$6,517,675	1.80	\$510,435	3.22	\$8,607,418
/ Lifetime MMBtu Savings		26,957		102,874		828,962		27,622		986,416
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	60	2,600,397	100	7,779,914	517	26,394,738	120	1,464,811	797	38,239,860
B/C Ratio ¹ / Planned Budget	6.19	\$270,354	6.64	\$670,122	4.54	\$1,997,598	3.23	\$432,655	4.92	\$3,370,729
/ Lifetime MMBtu Savings		47,096		121,188		227,506		39,310		435,100
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	28,290	12,445,042	51,969	18,370,946	300,151	90,536,207	61,666	19,705,566	442,076	141,057,761
B/C Ratio ¹ / Planned Budget	1.55	\$948,100	1.70	\$1,497,232	1.55	\$7,973,060	2.30	\$1,512,964	1.66	\$11,931,356
/ Lifetime MMBtu Savings		1,667		5,939		49,045		35,182		91,834
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	235	70,814,653	31	38,770,202	1,361	694,223,072	184	72,746,685	1,811	876,554,611
B/C Ratio ¹ / Planned Budget	4.01	\$1,708,986	1.79	\$996,188	3.68	\$19,975,807	2.01	\$2,257,665	3.47	\$24,938,645
/ Lifetime MMBtu Savings		0		0		0		1,074		1,074
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	318	59,028,227	210	34,557,910	5,130	432,850,927	448	52,467,187	6,106	578,904,251
B/C Ratio ¹ / Planned Budget	4.31	\$1,439,054	3.07	\$1,036,092	3.16	\$13,821,124	2.31	\$1,959,838	3.15	\$18,256,109
/ Lifetime MMBtu Savings		0		0		313		2,031		2,343
Municipal										
Number of Participants / Lifetime kWh Savings	0	0	0	0	0	0	0	0	0	0
B/C Ratio ¹ / Planned Budget	2.42	\$0	1.77	\$0	3.61	\$0	5.41	\$0	3.54	\$0
/ Lifetime MMBtu Savings		0		0		0		0		0
Educational Programs										
Number of Participants / Planned Budget	0	\$72,760	0	\$92,869	0	\$385,680	0	\$84,450	0	\$635,758
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,290	796	0	0	1,625	59,250	22,844	1,749	34,759	61,795
/ Planned Budget		\$533,864		\$20,000		\$4,268,667		\$469,933		\$5,292,464
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,432	0	\$33,043	0	\$0	0	\$38,475
Utility Performance Incentive										
Planned Budget		\$374,565		\$374,002		\$3,777,268		\$484,643		\$5,010,477
TOTAL PLANNED BUDGET		\$7,184,829		\$7,179,467		\$72,487,905		\$9,296,325		\$96,148,526

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS - 2021 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(Energy Efficiency Fund Only - Regional Greenhouse Gas Initiative)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	9	175,896	2	47,830	37	664,395	4	83,166	52	971,286
B/C Ratio ¹ / Planned Budget	2.45	\$41,851	1.25	\$35,602	1.97	\$357,669	1.79	\$53,732	1.94	\$488,854
/ Lifetime MMBtu Savings		1,252		1,198		17,998		2,232		22,680
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Municipal										
Number of Participants / Lifetime kWh Savings	94	5,108,213	15	2,129,149	108	37,868,000	11	7,328,571	227	52,433,933
B/C Ratio ¹ / Planned Budget	2.42	\$177,584	1.77	\$163,318	3.61	\$1,409,956	5.41	\$204,700	3.54	\$1,955,558
/ Lifetime MMBtu Savings		1,104		3,170		70,653		2,500		77,427
Educational Programs										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
/ Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Utility Performance Incentive										
Planned Budget		\$12,069		\$10,941		\$97,219		\$14,214		\$134,443
TOTAL PLANNED BUDGET		\$231,504		\$209,861		\$1,864,844		\$272,646		\$2,578,854

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES GAS PROGRAMS - 2021 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets and Lifetime MMBtu Savings

	Liberty		Unitil		Total	
Home Energy Assistance						
Number of Units / Lifetime MMBtu Savings	369	154,909	84	52,284	453	207,193
B/C Ratio ¹ / Planned Budget	1.08	\$1,523,570	1.70	\$542,705	1.24	\$2,066,275
Home Performance w/ENERGY STAR						
Number of Participants / Lifetime MMBtu Savings	768	200,162	75	29,706	843	229,868
B/C Ratio ¹ / Planned Budget	1.70	\$1,205,798	1.29	\$242,330	1.63	\$1,448,128
ENERGY STAR Homes						
Number of Homes / Lifetime MMBtu Savings	98	111,642	100	66,928	198	178,569
B/C Ratio ¹ / Planned Budget	1.07	\$1,039,306	2.17	\$307,438	1.32	\$1,346,744
ENERGY STAR Products						
Number of Participants / Lifetime MMBtu Savings	1,623	187,594	9,593	109,021	11,216	296,615
B/C Ratio ¹ / Planned Budget	1.92	\$975,798	2.19	\$488,013	2.01	\$1,463,811
/ Lifetime kWh Savings		407,870		-65,360		342,510
Large Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	207	913,272	84	281,808	291	1,195,081
B/C Ratio ¹ / Planned Budget	4.55	\$1,818,540	2.90	\$867,149	4.02	\$2,685,689
Small Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	1,080	453,389	131	121,478	1,211	574,867
B/C Ratio ¹ / Planned Budget	2.63	\$1,633,120	2.09	\$537,546	2.50	\$2,170,666
Education						
/ Planned Budget		\$120,774		\$52,350		\$173,124
Company Specific Programs						
Number of Participants / Lifetime MMBtu Savings	63,000	18,169	9,100	3,222	72,100	21,391
/ Planned Budget		\$645,250		\$38,800		\$684,050
Utility Performance Incentive						
Planned Budget		\$492,919		\$169,198		\$662,117
Total Program Expenses		\$9,455,075		\$3,245,530		\$12,700,605

NHSAVES ELECTRIC PROGRAMS - 2022 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	331	6,737,431	102	1,644,926	1,930	34,240,472	168	2,533,049	2,531	45,155,878
B/C Ratio ¹ / Planned Budget	2.53	\$1,641,440	1.41	\$1,434,927	2.17	\$17,892,764	2.04	\$2,055,898	2.14	\$23,025,028
/ Lifetime MMBtu Savings		48,639		51,767		933,752		94,137		1,128,295
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	69	1,672,842	174	3,475,049	2,824	14,632,665	65	1,480,185	3,132	21,260,740
B/C Ratio ¹ / Planned Budget	1.91	\$637,438	2.64	\$1,255,404	3.45	\$7,169,966	2.20	\$634,020	3.16	\$9,696,828
/ Lifetime MMBtu Savings		36,559		107,369		829,077		39,619		1,012,624
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	70	3,033,776	100	7,779,914	569	29,034,212	25	1,659,590	764	41,507,492
B/C Ratio ¹ / Planned Budget	6.61	\$315,594	7.01	\$678,473	4.82	\$2,210,065	3.21	\$401,256	5.21	\$3,605,389
/ Lifetime MMBtu Savings		54,945		121,188		250,257		33,563		459,952
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	18,758	12,769,818	28,368	14,372,330	161,169	86,343,615	42,495	19,877,068	250,791	133,362,831
B/C Ratio ¹ / Planned Budget	1.76	\$887,266	1.89	\$1,174,707	1.81	\$6,726,086	2.82	\$1,442,810	1.96	\$10,230,869
/ Lifetime MMBtu Savings		1,667		5,939		60,725		43,978		112,309
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	276	81,531,276	31	38,891,501	1,479	906,858,499	170	96,979,077	1,957	1,124,260,353
B/C Ratio ¹ / Planned Budget	3.67	\$2,114,464	1.77	\$1,068,615	3.66	\$27,754,795	1.84	\$3,080,856	3.44	\$34,018,730
/ Lifetime MMBtu Savings		0		0		0		1,239		1,239
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	380	65,617,498	240	39,647,058	4,875	520,275,066	356	51,975,661	5,851	677,515,283
B/C Ratio ¹ / Planned Budget	3.42	\$1,683,002	3.18	\$1,247,525	3.00	\$18,268,026	1.85	\$2,321,317	2.92	\$23,519,869
/ Lifetime MMBtu Savings		0		0		391		1,538		1,929
Municipal										
Number of Participants / Lifetime kWh Savings	93	5,049,262	15	1,882,927	105	37,026,500	11	6,310,000	224	50,268,690
B/C Ratio ¹ / Planned Budget	2.52	\$177,584	1.73	\$163,318	3.77	\$1,411,687	5.30	\$202,500	3.64	\$1,955,089
/ Lifetime MMBtu Savings		1,104		3,170		70,653		5,000		79,927
Educational Programs										
Number of Participants / Planned Budget	0	\$93,100	0	\$100,181	0	\$520,315	0	\$103,900	0	\$817,496
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,307	1,153	0	0	2,439	96,600	22,911	2,087	35,656	99,840
/ Planned Budget		\$657,313		\$0		\$7,477,505		\$512,149		\$8,646,967
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,408	0	\$32,610	0	\$0	0	\$38,018
Utility Performance Incentive										
Planned Budget		\$451,396		\$391,773		\$4,918,716		\$591,509		\$6,353,395
TOTAL PLANNED BUDGET		\$8,658,597		\$7,520,332		\$94,382,535		\$11,346,214		\$121,907,678

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS
SBC¹ and RGGI Funding Allocation
2022 Budget

Program Allocation Summary

Program	RGGI	SBC ¹	TOTAL
HEA²			
Liberty	2.44959%	97.55041%	100.00000%
NHEC	2.38374%	97.61626%	100.00000%
Eversource	1.92052%	98.07948%	100.00000%
Unitil	2.51101%	97.48899%	100.00000%
Municipal			
Liberty	100.00000%	0.00000%	100.00000%
NHEC	100.00000%	0.00000%	100.00000%
Eversource	100.00000%	0.00000%	100.00000%
Unitil	100.00000%	0.00000%	100.00000%

A	B	C	D
Utility	HEA Budget	RGGI HEA ³	SBC HEA ⁴
Liberty	\$ 1,641,440	\$40,209	\$1,601,231
NHEC	\$ 1,434,927	\$34,205	\$1,400,722
Eversource	\$ 17,892,764	\$343,635	\$17,549,129
Unitil	\$ 2,055,898	\$51,624	\$2,004,274
Total	\$ 23,025,028	\$469,672	\$22,555,356

Notes:

¹ SBC = System Benefits Charge, Forward Capacity Market and Carryforward/Interest

² HEA Allocation

RGGI HEA = RGGI HEA (C) /Total HEA Funds (B)

SBC HEA = SBC HEA (D) /Total HEA Funds (B)

³ 17.0% of Total RGGI Funds including SB 268 funding less RGGI HEA Performance Incentive

⁴ SBC HEA = Utility's total HEA program budget (B) less RGGI HEA (C)

NHSAVES ELECTRIC PROGRAMS - 2022 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(System Benefits Charge, Forward Capacity Market and Interest Funds Only)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	323	6,572,392	100	1,605,715	1,893	33,582,875	164	2,469,444	2,480	44,230,426
B/C Ratio ¹ / Planned Budget	2.53	\$1,601,231	1.41	\$1,400,722	2.17	\$17,549,129	2.04	\$2,004,274	2.14	\$22,555,356
/ Lifetime MMBtu Savings		47,447		50,533		915,819		91,774		1,105,573
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	69	1,672,842	174	3,475,049	2,824	14,632,665	65	1,480,185	3,132	21,260,740
B/C Ratio ¹ / Planned Budget	1.91	\$637,438	2.64	\$1,255,404	3.45	\$7,169,966	2.20	\$634,020	3.16	\$9,696,828
/ Lifetime MMBtu Savings		36,559		107,369		829,077		39,619		1,012,624
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	70	3,033,776	100	7,779,914	569	29,034,212	25	1,659,590	764	41,507,492
B/C Ratio ¹ / Planned Budget	6.61	\$315,594	7.01	\$678,473	4.82	\$2,210,065	3.21	\$401,256	5.21	\$3,605,389
/ Lifetime MMBtu Savings		54,945		121,188		250,257		33,563		459,952
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	18,758	12,769,818	28,368	14,372,330	161,169	86,343,615	42,495	19,877,068	250,791	133,362,831
B/C Ratio ¹ / Planned Budget	1.76	\$887,266	1.89	\$1,174,707	1.81	\$6,726,086	2.82	\$1,442,810	1.96	\$10,230,869
/ Lifetime MMBtu Savings		1,667		5,939		60,725		43,978		112,309
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	276	81,531,276	31	38,891,501	1,479	906,858,499	170	96,979,077	1,957	1,124,260,353
B/C Ratio ¹ / Planned Budget	3.67	\$2,114,464	1.77	\$1,068,615	3.66	\$27,754,795	1.84	\$3,080,856	3.44	\$34,018,730
/ Lifetime MMBtu Savings		0		0		0		1,239		1,239
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	380	65,617,498	240	39,647,058	4,875	520,275,066	356	51,975,661	5,851	677,515,283
B/C Ratio ¹ / Planned Budget	3.42	\$1,683,002	3.18	\$1,247,525	3.00	\$18,268,026	1.85	\$2,321,317	2.92	\$23,519,869
/ Lifetime MMBtu Savings		0		0		391		1,538		1,929
Municipal										
Number of Participants / Lifetime kWh Savings	0	0	0	0	0	0	0	0	0	0
B/C Ratio ¹ / Planned Budget	2.52	\$0	1.73	\$0	3.77	\$0	5.30	\$0	3.64	\$0
/ Lifetime MMBtu Savings		0		0		0		0		0
Educational Programs										
Number of Participants / Planned Budget	0	\$93,100	0	\$100,181	0	\$520,315	0	\$103,900	0	\$817,496
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,307	1,153	0	0	2,439	96,600	22,911	2,087	35,656	99,840
/ Planned Budget		\$657,313		\$0		\$7,477,505		\$512,149		\$8,646,967
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,408	0	\$32,610	0	\$0	0	\$38,018
Utility Performance Incentive										
Planned Budget		\$439,417		\$380,910		\$4,822,174		\$577,532		\$6,220,033
TOTAL PLANNED BUDGET		\$8,428,826		\$7,311,945		\$92,530,670		\$11,078,113		\$119,349,555

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS - 2022 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(Energy Efficiency Fund Only - Regional Greenhouse Gas Initiative)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	8	165,039	2	39,211	37	657,596	4	63,605	52	925,452
B/C Ratio ¹ / Planned Budget	2.53	\$40,209	1.41	\$34,205	2.17	\$343,635	2.04	\$51,624	2.14	\$469,672
/ Lifetime MMBtu Savings		1,191		1,234		17,933		2,364		22,722
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Municipal										
Number of Participants / Lifetime kWh Savings	93	5,049,262	15	1,882,927	105	37,026,500	11	6,310,000	224	50,268,690
B/C Ratio ¹ / Planned Budget	2.52	\$177,584	1.73	\$163,318	3.77	\$1,411,687	5.30	\$202,500	3.64	\$1,955,089
/ Lifetime MMBtu Savings		1,104		3,170		70,653		5,000		79,927
Educational Programs										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
/ Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Utility Performance Incentive										
Planned Budget		\$11,979		\$10,864		\$96,543		\$13,977		\$133,362
TOTAL PLANNED BUDGET		\$229,771		\$208,387		\$1,851,865		\$268,101		\$2,558,123

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES GAS PROGRAMS - 2022 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets and Lifetime MMBtu Savings

	Liberty		Unitil		Total	
Home Energy Assistance						
Number of Units / Lifetime MMBtu Savings	385	164,504	105	66,078	490	230,583
B/C Ratio ¹ / Planned Budget	1.14	\$1,627,400	1.64	\$728,650	1.29	\$2,356,050
Home Performance w/ENERGY STAR						
Number of Participants / Lifetime MMBtu Savings	802	217,262	85	32,524	887	249,787
B/C Ratio ¹ / Planned Budget	1.81	\$1,307,350	1.24	\$293,474	1.71	\$1,600,824
ENERGY STAR Homes						
Number of Homes / Lifetime MMBtu Savings	116	137,202	140	93,175	256	230,377
B/C Ratio ¹ / Planned Budget	1.24	\$1,168,578	2.33	\$423,477	1.53	\$1,592,055
ENERGY STAR Products						
Number of Participants / Lifetime MMBtu Savings	1,743	203,036	11,187	131,753	12,930	334,790
B/C Ratio ¹ / Planned Budget	2.05	\$1,050,663	2.35	\$583,827	2.16	\$1,634,490
/ Lifetime kWh Savings		471,100		-73,530		397,570
Large Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	218	1,005,446	167	438,084	385	1,443,530
B/C Ratio ¹ / Planned Budget	4.87	\$1,993,675	3.13	\$1,340,791	4.17	\$3,334,466
Small Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	1,127	498,467	160	149,164	1,287	647,631
B/C Ratio ¹ / Planned Budget	2.74	\$1,825,469	2.21	\$664,884	2.59	\$2,490,353
Education						
/ Planned Budget		\$134,533		\$57,800		\$192,333
Company Specific Programs						
Number of Participants / Lifetime MMBtu Savings	63,000	45,025	9,100	4,178	72,100	49,203
/ Planned Budget		\$465,250		\$40,550		\$505,800
Utility Performance Incentive						
Planned Budget		\$526,510		\$227,340		\$753,850
Total Program Expenses		\$10,099,428		\$4,360,794		\$14,460,222

NHSAVES ELECTRIC PROGRAMS - 2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	396	8,052,516	102	2,390,174	2,294	40,737,655	190	2,976,414	2,982	54,156,758
B/C Ratio ¹ / Planned Budget	2.73	\$1,894,211	1.62	\$1,419,978	2.18	\$22,513,869	2.19	\$2,444,999	2.19	\$28,273,056
/ Lifetime MMBtu Savings		57,000		54,355		1,109,557		112,547		1,333,459
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	88	2,100,110	183	3,641,262	2,824	15,167,112	77	1,748,628	3,171	22,657,112
B/C Ratio ¹ / Planned Budget	2.31	\$726,222	2.62	\$1,410,924	3.37	\$7,868,194	2.38	\$752,965	3.13	\$10,758,305
/ Lifetime MMBtu Savings		47,275		112,088		829,191		47,837		1,036,392
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	80	3,551,310	100	7,779,914	626	32,641,797	31	1,868,786	837	45,841,807
B/C Ratio ¹ / Planned Budget	7.56	\$338,028	7.37	\$687,369	5.17	\$2,434,014	2.64	\$418,893	5.49	\$3,878,304
/ Lifetime MMBtu Savings		62,794		121,188		275,229		25,878		485,088
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	18,758	13,596,441	8,811	12,806,430	56,314	94,609,015	18,312	20,886,688	102,196	141,898,573
B/C Ratio ¹ / Planned Budget	2.14	\$815,066	2.26	\$957,991	2.25	\$6,327,614	3.54	\$1,364,856	2.43	\$9,465,526
/ Lifetime MMBtu Savings		1,686		5,939		72,404		52,774		132,803
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	276	93,277,708	31	40,488,329	1,613	1,200,167,020	170	127,492,450	2,091	1,461,425,507
B/C Ratio ¹ / Planned Budget	3.78	\$2,522,621	1.96	\$1,074,549	3.67	\$38,984,320	1.79	\$4,197,788	3.47	\$46,779,278
/ Lifetime MMBtu Savings		0		0		0		1,653		1,653
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	380	72,483,092	205	37,377,756	4,245	597,737,496	356	54,219,723	5,186	761,818,067
B/C Ratio ¹ / Planned Budget	3.42	\$2,014,966	3.27	\$1,176,825	3.21	\$20,619,441	1.73	\$2,661,118	3.08	\$26,472,350
/ Lifetime MMBtu Savings		0		0		469		2,294		2,763
Municipal										
Number of Participants / Lifetime kWh Savings	93	5,031,100	14	1,662,264	103	36,210,245	11	5,800,000	220	48,703,610
B/C Ratio ¹ / Planned Budget	2.67	\$177,584	1.71	\$163,318	3.95	\$1,414,153	5.63	\$206,000	3.82	\$1,961,055
/ Lifetime MMBtu Savings		1,104		3,170		70,653		5,000		79,927
Educational Programs										
Number of Participants / Planned Budget	0	\$120,060	0	\$43,654	0	\$701,158	0	\$117,750	0	\$982,622
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,333	1,914	0	0	3,658	141,300	22,977	3,116	36,968	146,330
/ Planned Budget		\$862,296		\$20,600		\$11,674,366		\$526,856		\$13,084,118
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,000	0	\$32,214	0	\$0	0	\$37,214
Utility Performance Incentive										
Planned Budget		\$520,908		\$382,536		\$6,189,542		\$698,017		\$7,791,004
TOTAL PLANNED BUDGET		\$9,991,962		\$7,342,743		\$118,758,885		\$13,389,243		\$149,482,833

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS
SBC¹ and RGGI Funding Allocation
2023 Budget

Program Allocation Summary

Program	RGGI	SBC ¹	TOTAL
HEA²			
Liberty	2.03600%	97.96400%	100.00000%
NHEC	2.31044%	97.68956%	100.00000%
Eversource	1.46398%	98.53602%	100.00000%
Unitil	2.02515%	97.97485%	100.00000%
Municipal			
Liberty	100.00000%	0.00000%	100.00000%
NHEC	100.00000%	0.00000%	100.00000%
Eversource	100.00000%	0.00000%	100.00000%
Unitil	100.00000%	0.00000%	100.00000%

A	B	C	D
Utility	HEA Budget	RGGI HEA ³	SBC HEA ⁴
Liberty	\$ 1,894,211	\$38,566	\$1,855,645
NHEC	\$ 1,419,978	\$32,808	\$1,387,170
Eversource	\$ 22,513,869	\$329,598	\$22,184,271
Unitil	\$ 2,444,999	\$49,515	\$2,395,484
Total	\$ 28,273,056	\$450,487	\$27,822,570

Notes:

¹ SBC = System Benefits Charge, Forward Capacity Market and Carryforward/Interest

² HEA Allocation

RGGI HEA = RGGI HEA (C) /Total HEA Funds (B)

SBC HEA = SBC HEA (D) /Total HEA Funds (B)

³ 17.0% of Total RGGI Funds including SB 268 funding less RGGI HEA Performance Incentive

⁴ SBC HEA = Utility's total HEA program budget (B) less RGGI HEA (C)

NHSAVES ELECTRIC PROGRAMS - 2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(System Benefits Charge, Forward Capacity Market and Interest Funds Only)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	388	7,888,566	100	2,334,950	2,260	40,141,265	186	2,916,137	2,934	53,280,919
B/C Ratio ¹ / Planned Budget	2.73	\$1,855,645	1.62	\$1,387,170	2.18	\$22,184,271	2.19	\$2,395,484	2.19	\$27,822,570
/ Lifetime MMBtu Savings		55,840		53,099		1,093,314		110,267		1,312,520
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	88	2,100,110	183	3,641,262	2,824	15,167,112	77	1,748,628	3,171	22,657,112
B/C Ratio ¹ / Planned Budget	2.31	\$726,222	2.62	\$1,410,924	3.37	\$7,868,194	2.38	\$752,965	3.13	\$10,758,305
/ Lifetime MMBtu Savings		47,275		112,088		829,191		47,837		1,036,392
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	80	3,551,310	100	7,779,914	626	32,641,797	31	1,868,786	837	45,841,807
B/C Ratio ¹ / Planned Budget	7.56	\$338,028	7.37	\$687,369	5.17	\$2,434,014	2.64	\$418,893	5.49	\$3,878,304
/ Lifetime MMBtu Savings		62,794		121,188		275,229		25,878		485,088
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	18,758	13,596,441	8,811	12,806,430	56,314	94,609,015	18,312	20,886,688	102,196	141,898,573
B/C Ratio ¹ / Planned Budget	2.14	\$815,066	2.26	\$957,991	2.25	\$6,327,614	3.54	\$1,364,856	2.43	\$9,465,526
/ Lifetime MMBtu Savings		1,686		5,939		72,404		52,774		132,803
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	276	93,277,708	31	40,488,329	1,613	1,200,167,020	170	127,492,450	2,091	1,461,425,507
B/C Ratio ¹ / Planned Budget	3.78	\$2,522,621	1.96	\$1,074,549	3.67	\$38,984,320	1.79	\$4,197,788	3.47	\$46,779,278
/ Lifetime MMBtu Savings		0		0		0		1,653		1,653
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	380	72,483,092	205	37,377,756	4,245	597,737,496	356	54,219,723	5,186	761,818,067
B/C Ratio ¹ / Planned Budget	3.42	\$2,014,966	3.27	\$1,176,825	3.21	\$20,619,441	1.73	\$2,661,118	3.08	\$26,472,350
/ Lifetime MMBtu Savings		0		0		469		2,294		2,763
Municipal										
Number of Participants / Lifetime kWh Savings	0	0	0	0	0	0	0	0	0	0
B/C Ratio ¹ / Planned Budget	2.67	\$0	1.71	\$0	3.95	\$0	5.63	\$0	3.82	\$0
/ Lifetime MMBtu Savings		0		0		0		0		0
Educational Programs										
Number of Participants / Planned Budget	0	\$120,060	0	\$43,654	0	\$701,158	0	\$117,750	0	\$982,622
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	10,333	1,914	0	0	3,658	141,300	22,977	3,116	36,968	146,330
/ Planned Budget		\$862,296		\$20,600		\$11,674,366		\$526,856		\$13,084,118
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$5,000	0	\$32,214	0	\$0	0	\$37,214
Utility Performance Incentive										
Planned Budget		\$509,020		\$371,749		\$6,093,636		\$683,964		\$7,658,369
TOTAL PLANNED BUDGET		\$9,763,923		\$7,135,831		\$116,919,228		\$13,119,675		\$146,938,656

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS - 2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(Energy Efficiency Fund Only - Regional Greenhouse Gas Initiative)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	8	163,949	2	55,224	34	596,390	4	60,277	48	875,840
B/C Ratio ¹ / Planned Budget	2.73	\$38,566	1.62	\$32,808	2.18	\$329,598	2.19	\$49,515	2.19	\$450,487
/ Lifetime MMBtu Savings		1,161		1,256		16,244		2,279		20,939
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Municipal										
Number of Participants / Lifetime kWh Savings	93	5,031,100	14	1,662,264	103	36,210,245	11	5,800,000	220	48,703,610
B/C Ratio ¹ / Planned Budget	2.67	\$177,584	1.71	\$163,318	3.95	\$1,414,153	5.63	\$206,000	3.82	\$1,961,055
/ Lifetime MMBtu Savings		1,104		3,170		70,653		5,000		79,927
Educational Programs										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
/ Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Utility Performance Incentive										
Planned Budget		\$11,888		\$10,787		\$95,906		\$14,053		\$132,635
TOTAL PLANNED BUDGET		\$228,038		\$206,912		\$1,839,657		\$269,568		\$2,544,176

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES GAS PROGRAMS - 2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets and Lifetime MMBtu Savings

	Liberty		Unitil		Total	
Home Energy Assistance						
Number of Units / Lifetime MMBtu Savings	410	179,185	130	83,213	540	262,398
B/C Ratio ¹ / Planned Budget	1.20	\$1,794,250	1.71	\$919,565	1.37	\$2,713,815
Home Performance w/ENERGY STAR						
Number of Participants / Lifetime MMBtu Savings	843	241,288	104	35,275	947	276,564
B/C Ratio ¹ / Planned Budget	1.91	\$1,464,527	1.28	\$326,984	1.80	\$1,791,511
ENERGY STAR Homes						
Number of Homes / Lifetime MMBtu Savings	126	188,137	180	131,913	306	320,050
B/C Ratio ¹ / Planned Budget	1.65	\$1,275,220	2.70	\$548,052	1.97	\$1,823,272
ENERGY STAR Products						
Number of Participants / Lifetime MMBtu Savings	1,779	209,230	11,453	153,258	13,231	362,488
B/C Ratio ¹ / Planned Budget	2.15	\$1,096,063	2.38	\$712,320	2.25	\$1,808,383
/ Lifetime kWh Savings		503,745		-81,700		422,045
Large Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	234	1,103,797	200	603,543	435	1,707,340
B/C Ratio ¹ / Planned Budget	5.14	\$2,210,141	3.19	\$1,930,411	4.23	\$4,140,552
Small Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	1,194	554,761	189	183,539	1,383	738,300
B/C Ratio ¹ / Planned Budget	2.81	\$2,097,932	1.82	\$1,051,571	2.48	\$3,149,503
Education						
/ Planned Budget		\$151,020		\$52,300		\$203,320
Company Specific Programs						
Number of Participants / Lifetime MMBtu Savings	63,000	56,110	9,100	6,500	72,100	62,610
/ Planned Budget		\$465,250		\$41,800		\$507,050
Utility Performance Incentive						
Planned Budget		\$580,492		\$307,065		\$887,557
Total Program Expenses		\$11,134,895		\$5,890,067		\$17,024,962

NHSAVES ELECTRIC PROGRAMS - 2021-2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	1,020	20,765,583	294	5,917,342	5,690	101,161,752	482	8,043,923	7,487	135,888,600
B/C Ratio ¹ / Planned Budget	2.58	\$4,957,427	1.43	\$4,255,950	2.12	\$54,502,285	2.03	\$6,138,372	2.10	\$69,854,034
/ Lifetime MMBtu Savings		148,167		153,269		2,752,610		274,699		3,328,744
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	207	4,982,466	523	10,433,061	8,471	43,897,995	196	4,481,408	9,397	63,794,930
B/C Ratio ¹ / Planned Budget	2.04	\$1,820,881	2.63	\$3,788,415	3.45	\$21,555,834	2.16	\$1,897,420	3.17	\$29,062,551
/ Lifetime MMBtu Savings		110,792		322,331		2,487,230		115,078		3,035,431
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	210	9,185,482	301	23,339,742	1,711	88,070,747	176	4,993,187	2,398	125,589,158
B/C Ratio ¹ / Planned Budget	6.82	\$923,976	7.00	\$2,035,965	4.85	\$6,641,678	3.03	\$1,252,804	5.21	\$10,854,423
/ Lifetime MMBtu Savings		164,836		363,563		752,991		98,750		1,380,140
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	65,807	38,811,301	89,148	45,549,706	517,635	271,488,837	122,473	60,469,322	795,062	416,319,165
B/C Ratio ¹ / Planned Budget	1.79	\$2,650,432	1.91	\$3,629,929	1.84	\$21,026,760	2.85	\$4,320,629	1.98	\$31,627,751
/ Lifetime MMBtu Savings		5,021		17,818		182,174		131,934		336,946
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	788	245,623,638	93	118,150,033	4,453	2,801,248,590	524	297,218,211	5,859	3,462,240,471
B/C Ratio ¹ / Planned Budget	3.81	\$6,346,071	1.84	\$3,139,353	3.67	\$86,714,921	1.86	\$9,536,309	3.46	\$105,736,654
/ Lifetime MMBtu Savings		0		0		0		3,966		3,966
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	1,077	197,128,816	655	111,582,724	14,250	1,550,863,489	1,161	158,662,570	17,143	2,018,237,600
B/C Ratio ¹ / Planned Budget	3.68	\$5,137,022	3.18	\$3,460,442	3.12	\$52,708,591	1.94	\$6,942,273	3.05	\$68,248,328
/ Lifetime MMBtu Savings		0		0		1,173		5,863		7,036
Municipal										
Number of Participants / Lifetime kWh Savings	279	15,188,576	44	5,674,341	316	111,104,745	33	19,438,571	672	151,406,233
B/C Ratio ¹ / Planned Budget	2.53	\$532,752	1.74	\$489,954	3.77	\$4,235,796	5.45	\$613,200	3.67	\$5,871,702
/ Lifetime MMBtu Savings		3,311		9,511		211,958		12,500		237,281
Educational Programs										
Number of Participants / Planned Budget	0	\$285,920	0	\$236,704	0	\$1,607,153	0	\$306,100	0	\$2,435,877
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	30,930	3,863	0	0	7,723	297,150	23,332	6,952	61,984	307,965
/ Planned Budget		\$2,053,473		\$40,600		\$23,420,537		\$1,508,938		\$27,023,548
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$15,840	0	\$97,867	0	\$0	0	\$113,707
Utility Performance Incentive										
Planned Budget		\$1,358,937		\$1,159,252		\$14,982,746		\$1,788,382		\$19,289,318
TOTAL PLANNED BUDGET		\$26,066,892		\$22,252,403		\$287,494,169		\$34,304,428		\$370,117,891

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS
SBC¹ and RGGI Funding Allocation
2021-2023 Budget

Program Allocation Summary

Program	RGGI	SBC ¹	TOTAL
HEA²			
Liberty	2.43323%	97.56677%	100.00000%
NHEC	2.41109%	97.58891%	100.00000%
Eversource	1.89148%	98.10852%	100.00000%
Unitil	2.52299%	97.47701%	100.00000%
Municipal			
Liberty	100.00000%	0.00000%	100.00000%
NHEC	100.00000%	0.00000%	100.00000%
Eversource	100.00000%	0.00000%	100.00000%
Unitil	100.00000%	0.00000%	100.00000%

A	B	C	D
Utility	HEA Budget	RGGI HEA ³	SBC HEA ⁴
Liberty	\$ 4,957,427	\$ 120,625	\$4,836,802
NHEC	\$ 4,255,950	\$ 102,615	\$4,153,335
Eversource	\$ 54,502,285	\$ 1,030,902	\$53,471,383
Unitil	\$ 6,138,372	\$ 154,871	\$5,983,502
Total	\$ 69,854,034	\$1,409,013	\$68,445,021

Notes:

¹ SBC = System Benefits Charge, Forward Capacity Market and Carryforward/Interest

² HEA Allocation

RGGI HEA = RGGI HEA (C) /Total HEA Funds (B)

SBC HEA = SBC HEA (D) /Total HEA Funds (B)

³ 17.0% of Total RGGI Funds including SB 268 funding less RGGI HEA Performance Incentive

⁴ SBC HEA = Utility's total HEA program budget (B) less RGGI HEA (C)

NHSAVES ELECTRIC PROGRAMS - 2021-2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(System Benefits Charge, Forward Capacity Market and Interest Funds Only)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	996	20,260,698	287	5,775,078	5,583	99,243,371	470	7,836,875	7,335	133,116,023
B/C Ratio ¹ / Planned Budget	2.58	\$4,836,802	1.43	\$4,153,335	2.12	\$53,471,383	2.03	\$5,983,502	2.10	\$68,445,021
/ Lifetime MMBtu Savings		144,563		149,581		2,700,435		267,824		3,262,403
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	207	4,982,466	523	10,433,061	8,471	43,897,995	196	4,481,408	9,397	63,794,930
B/C Ratio ¹ / Planned Budget	2.04	\$1,820,881	2.63	\$3,788,415	3.45	\$21,555,834	2.16	\$1,897,420	3.17	\$29,062,551
/ Lifetime MMBtu Savings		110,792		322,331		2,487,230		115,078		3,035,431
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	210	9,185,482	301	23,339,742	1,711	88,070,747	176	4,993,187	2,398	125,589,158
B/C Ratio ¹ / Planned Budget	6.82	\$923,976	7.00	\$2,035,965	4.85	\$6,641,678	3.03	\$1,252,804	5.21	\$10,854,423
/ Lifetime MMBtu Savings		164,836		363,563		752,991		98,750		1,380,140
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	65,807	38,811,301	89,148	45,549,706	517,635	271,488,837	122,473	60,469,322	795,062	416,319,165
B/C Ratio ¹ / Planned Budget	1.79	\$2,650,432	1.91	\$3,629,929	1.84	\$21,026,760	2.85	\$4,320,629	1.98	\$31,627,751
/ Lifetime MMBtu Savings		5,021		17,818		182,174		131,934		336,946
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	788	245,623,638	93	118,150,033	4,453	2,801,248,590	524	297,218,211	5,859	3,462,240,471
B/C Ratio ¹ / Planned Budget	3.81	\$6,346,071	1.84	\$3,139,353	3.67	\$86,714,921	1.86	\$9,536,309	3.46	\$105,736,654
/ Lifetime MMBtu Savings		0		0		0		3,966		3,966
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	1,077	197,128,816	655	111,582,724	14,250	1,550,863,489	1,161	158,662,570	17,143	2,018,237,600
B/C Ratio ¹ / Planned Budget	3.68	\$5,137,022	3.18	\$3,460,442	3.12	\$52,708,591	1.94	\$6,942,273	3.05	\$68,248,328
/ Lifetime MMBtu Savings		0		0		1,173		5,863		7,036
Municipal										
Number of Participants / Lifetime kWh Savings	0	0	0	0	0	0	0	0	0	0
B/C Ratio ¹ / Planned Budget	2.53	\$0	1.74	\$0	3.77	\$0	5.45	\$0	0.00	\$0
/ Lifetime MMBtu Savings		0		0		0		0		0
Educational Programs										
Number of Participants / Planned Budget	0	\$285,920	0	\$236,704	0	\$1,607,153	0	\$306,100	0	\$2,435,877
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	30,930	3,863	0	0	7,723	297,150	23,332	6,952	61,984	307,965
/ Planned Budget		\$2,053,473		\$40,600		\$23,420,537		\$1,508,938		\$27,023,548
/ Lifetime MMBtu Savings		0		0		0		0		0
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	0	\$0	0	\$15,840	0	\$97,867	0	\$0	0	\$113,707
Utility Performance Incentive										
Planned Budget		\$1,323,002		\$1,126,661		\$14,693,077		\$1,746,139		\$18,888,878
TOTAL PLANNED BUDGET		\$25,377,579		\$21,627,243		\$281,937,802		\$33,494,113		\$362,436,737

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES ELECTRIC PROGRAMS - 2021-2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets, Lifetime kWh and MMBtu Savings

(Energy Efficiency Fund Only - Regional Greenhouse Gas Initiative)

	Liberty		NHEC		Eversource		Unitil		Total	
Home Energy Assistance										
Number of Units / Lifetime kWh Savings	25	504,884	7	142,264	108	1,918,381	12	207,048	152	2,772,577
B/C Ratio ¹ / Planned Budget	2.58	\$120,625	1.43	\$102,615	2.12	\$1,030,902	2.03	\$154,871	2.10	\$1,409,013
/ Lifetime MMBtu Savings		3,604		3,688		52,175		6,875		66,341
Home Performance w/ENERGY STAR										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Homes										
Number of Homes / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
ENERGY STAR Products										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Large Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Small Business Energy Solutions										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
B/C Ratio ¹ / Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Municipal										
Number of Participants / Lifetime kWh Savings	279	15,188,576	44	5,674,341	316	111,104,745	33	19,438,571	672	151,406,233
B/C Ratio ¹ / Planned Budget	2.53	\$532,752	1.74	\$489,954	3.77	\$4,235,796	5.45	\$613,200	3.67	\$5,871,702
/ Lifetime MMBtu Savings		3,311		9,511		211,958		12,500		237,281
Educational Programs										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Company Specific Programs / FCM Expenses										
Number of Participants / Lifetime kWh Savings	-	-	-	-	-	-	-	-	-	-
/ Planned Budget	-	-	-	-	-	-	-	-	-	-
/ Lifetime MMBtu Savings	-	-	-	-	-	-	-	-	-	-
Smart Start (Eversource/NHEC)										
Number of Participants / Planned Budget	-	-	-	-	-	-	-	-	-	-
Utility Performance Incentive										
Planned Budget		\$35,936		\$32,591		\$289,668		\$42,244		\$400,439
TOTAL PLANNED BUDGET		\$689,313		\$625,160		\$5,556,366		\$810,315		\$7,681,154

Note: (1) B/C Ratios based on Utility Costs set to 2021 dollars

NHSAVES GAS PROGRAMS - 2021-2023 UTILITY GOALS BY PROGRAM
Total Customers Served, Program Budgets and Lifetime MMBtu Savings

	Liberty		Unitil		Total	
Home Energy Assistance						
Number of Units / Lifetime MMBtu Savings	1,165	498,598	319	201,575	1,483	700,173
B/C Ratio ¹ / Planned Budget	1.14	\$4,945,220	1.68	\$2,190,919	1.31	\$7,136,139
Home Performance w/ENERGY STAR						
Number of Participants / Lifetime MMBtu Savings	2,412	658,713	264	97,506	2,676	756,219
B/C Ratio ¹ / Planned Budget	1.81	\$3,977,675	1.27	\$862,788	1.72	\$4,840,463
ENERGY STAR Homes						
Number of Homes / Lifetime MMBtu Savings	340	436,981	420	292,016	760	728,997
B/C Ratio ¹ / Planned Budget	1.33	\$3,483,104	2.44	\$1,278,967	1.63	\$4,762,071
ENERGY STAR Products						
Number of Participants / Lifetime MMBtu Savings	5,144	599,861	32,232	394,032	37,377	993,893
B/C Ratio ¹ / Planned Budget	2.04	\$3,122,524	2.32	\$1,784,160	2.14	\$4,906,684
/ Lifetime kWh Savings		1,382,715		-220,590		1,162,125
Large Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	659	3,022,516	451	1,323,435	1,110	4,345,950
B/C Ratio ¹ / Planned Budget	4.87	\$6,022,356	3.11	\$4,138,351	4.15	\$10,160,707
Small Business Energy Solutions						
Number of Participants / Lifetime MMBtu Savings	3,401	1,506,616	480	454,181	3,881	1,960,797
B/C Ratio ¹ / Planned Budget	2.73	\$5,556,521	2.00	\$2,254,001	2.52	\$7,810,522
Education						
/ Planned Budget		\$406,327		\$162,450		\$568,777
Company Specific Programs						
Number of Participants / Lifetime MMBtu Savings	189,000	119,305	9,100	13,899	198,100	133,204
/ Planned Budget		\$1,575,750		\$121,150		\$1,696,900
Utility Performance Incentive						
Planned Budget		\$1,599,921		\$703,603		\$2,303,525
Total Program Expenses		\$30,689,398		\$13,496,390		\$44,185,788

Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.97	0.19	2.04	27,742.7	2,671.6	28,759.9	14,095.7	-	1,933.9	26,183.6	350.7	272.0	1,466	32,835.1	709,300.4
A1 - Energy Star Homes	4.54	0.81	5.04	9,066.4	1,614.1	13,059.9	1,997.6	595.0	1,124.7	26,394.7	291.9	13.5	517	9,115.5	227,506.0
A2 - Home Performance with Energy Star	3.53	0.27	3.87	23,006.3	1,766.0	31,391.2	6,517.7	1,590.5	1,263.5	14,098.2	268.3	206.7	2,824	42,246.9	828,962.3
A3 - Energy Star Products	1.55	1.28	2.63	12,346.3	10,245.3	20,424.8	7,973.1	(211.2)	14,588.7	90,536.2	2,966.8	2,216.5	300,151	3,343.0	49,045.3
A5 - Residential Active Demand Response	2.32	2.32	2.32	240.8	240.8	240.6	103.9	-	-	-	-	-	1,530	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	47.5	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	155.6	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	348.8	-	-	-	-	-	-	-	-
Sub-Total Residential	2.32	0.53	2.83	72,402.6	16,537.8	93,876.4	31,239.7	1,974.3	18,910.8	157,212.8	3,877.7	2,708.7	306,488	87,540.5	1,814,814.1
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.68	3.68	2.26	73,451.6	73,451.6	115,873.7	19,975.8	31,348.4	51,258.7	694,223.1	5,155.2	7,086.6	1,361	-	-
C2 - Small Business Energy Solutions	3.16	3.16	2.91	43,633.7	43,627.7	69,765.6	13,821.1	10,172.4	33,212.7	432,850.9	3,467.7	4,131.1	5,130	21.9	312.8
C3 - Municipal Energy Solutions	3.61	2.57	1.61	5,092.7	3,621.1	7,569.2	1,410.0	3,279.5	2,750.0	37,868.0	341.5	297.9	108	3,332.7	70,652.7
C4 - Energy Rewards RFP Program	1.89	1.89	0.92	5,667.4	5,667.4	9,206.0	2,997.2	6,956.1	4,540.0	59,250.0	438.1	424.2	10	-	-
C5 - C&I Active Demand Response	2.95	2.95	2.95	1,917.9	1,917.9	1,917.5	649.8	-	-	-	-	-	86	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	99.7	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	230.1	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	-	-	-	-	21.8	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.31	3.27	2.25	129,763.4	128,285.9	204,332.0	39,205.5	51,756.4	91,761.4	1,224,192.0	9,402.6	11,939.8	6,694	3,354.5	70,965.6
C6e - Smart Start	-	-	-	-	-	-	33.0	-	-	-	-	-	-	-	-
Total	2.87	2.05	2.40	202,166.0	144,823.6	298,208.4	70,478.3	53,730.6	110,672.1	1,381,404.8	13,280.3	14,648.5	313,182	90,895.0	1,885,779.7

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

	Annual kWh Savings	110,672,131	80.6%	kWh > 55%	Lifetime kWh Savings	1,381,404,788	71.4%	kWh > 55%
	Annual MMBTU Savings (in kWh)	26,638,704	19.4%		Lifetime MMBTU Savings (in kWh)	552,667,490	28.6%	
		137,310,835	100.0%			1,934,072,278	100.0%	
Annual Savings as a % of 2019 Sales	1.44%							
		Spending per Customer		Low-Income	\$	593.10		
				Residential	\$	40.99		
				C&I	\$	503.69		

Present Value Benefits - 2021 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)													Non-Resource Benefits (\$000)			Environmental Benefits (\$000)	
				CAPACITY					ENERGY				Non-Electric		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits	Total Non-Resource Benefits			
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric DRIPE	Total Electric Benefit					Other Fuels		Water Benefit
Residential Programs																					
B1 - Home Energy Assistance	\$ 27,743	\$ 2,672	\$ 28,760	\$ 310	\$ -	\$ 325	\$ 282	\$ -	\$ 584	\$ 640	\$ 238	\$ 197	\$ 95	\$ 2,672	\$ 16,600	\$ 114	\$ 19,385	\$ 1,267	\$ 7,090	\$ 8,357	\$ 1,017
A1 - Energy Star Homes	\$ 9,066	\$ 1,614	\$ 13,060	\$ 8	\$ -	\$ 9	\$ 8	\$ -	\$ 700	\$ 813	\$ 8	\$ 6	\$ 62	\$ 1,614	\$ 7,033	\$ 32	\$ 8,679	\$ 388	\$ 3,137	\$ 3,524	\$ 857
A2 - Home Performance with Energy Star	\$ 23,006	\$ 1,766	\$ 31,391	\$ 266	\$ -	\$ 274	\$ 237	\$ -	\$ 293	\$ 321	\$ 183	\$ 139	\$ 54	\$ 1,766	\$ 19,780	\$ 49	\$ 21,594	\$ 1,412	\$ 7,816	\$ 9,228	\$ 569
A3 - Energy Star Products	\$ 12,346	\$ 10,245	\$ 20,425	\$ 1,126	\$ -	\$ 1,352	\$ 1,171	\$ -	\$ 2,310	\$ 2,152	\$ 926	\$ 683	\$ 526	\$ 10,245	\$ 985	\$ 1,049	\$ 12,279	\$ 67	\$ 4,074	\$ 4,141	\$ 4,005
A5 - Residential Active Demand Response	\$ 241	\$ 241	\$ 241	\$ 24	\$ -	\$ 89	\$ 77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 241	\$ -	\$ -	\$ 241	\$ -	\$ -	\$ -	\$ (0)
A6a - Res Customer Engagement Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 72,403	\$ 16,538	\$ 93,876	\$ 1,734	\$ -	\$ 2,049	\$ 1,775	\$ -	\$ 3,886	\$ 3,926	\$ 1,355	\$ 1,025	\$ 788	\$ 16,537	\$ 44,397	\$ 1,244	\$ 62,179	\$ 3,134	\$ 22,117	\$ 25,251	\$ 6,447
Commercial/Industrial Programs																					
C1 - Large Business Energy Solutions	\$ 73,452	\$ 73,452	\$ 115,874	\$ 7,986	\$ -	\$ 8,779	\$ 7,605	\$ -	\$ 22,506	\$ 8,111	\$ 10,488	\$ 4,836	\$ 3,141	\$ 73,452	\$ -	\$ -	\$ 73,452	\$ -	\$ 12,941	\$ 12,941	\$ 29,481
C2 - Small Business Energy Solutions	\$ 43,634	\$ 43,628	\$ 69,766	\$ 4,447	\$ -	\$ 4,931	\$ 4,272	\$ -	\$ 11,153	\$ 5,322	\$ 7,740	\$ 3,799	\$ 1,964	\$ 43,628	\$ 0	\$ 6	\$ 43,633	\$ 0	\$ 7,687	\$ 7,687	\$ 18,445
C3 - Municipal Energy Solutions	\$ 5,093	\$ 3,621	\$ 7,569	\$ 330	\$ -	\$ 364	\$ 316	\$ -	\$ 974	\$ 527	\$ 609	\$ 338	\$ 163	\$ 3,621	\$ 1,344	\$ -	\$ 4,965	\$ 128	\$ 875	\$ 1,003	\$ 1,602
C4 - Energy Rewards RFP Program	\$ 5,667	\$ 5,667	\$ 9,206	\$ 447	\$ -	\$ 498	\$ 432	\$ -	\$ 2,307	\$ 658	\$ 770	\$ 269	\$ 286	\$ 5,667	\$ -	\$ -	\$ 5,667	\$ -	\$ 999	\$ 999	\$ 2,540
C5 - C&I Active Demand Response	\$ 1,918	\$ 1,918	\$ 1,918	\$ 118	\$ -	\$ 829	\$ 718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 252	\$ 1,917	\$ -	\$ -	\$ 1,918	\$ -	\$ -	\$ -	\$ (0)
C6a - C&I Customer Engagement Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6d - C&I Customer Partnerships	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 129,763	\$ 128,286	\$ 204,332	\$ 13,328	\$ -	\$ 15,402	\$ 13,343	\$ -	\$ 36,940	\$ 14,618	\$ 19,608	\$ 9,242	\$ 5,806	\$ 128,285	\$ 1,344	\$ 6	\$ 129,635	\$ 128	\$ 22,501	\$ 22,629	\$ 52,068
C6e - Smart Start	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 202,166	\$ 144,824	\$ 298,208	\$ 15,061	\$ -	\$ 17,451	\$ 15,118	\$ -	\$ 40,826	\$ 18,544	\$ 20,963	\$ 10,266	\$ 6,594	\$ 144,823	\$ 45,740	\$ 1,250	\$ 191,814	\$ 3,262	\$ 44,618	\$ 47,880	\$ 58,515

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	1,381,404,788	897,913,112		-	1.925%	-	\$ 1,356,070	\$ 1,695,088	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	110,672,131	71,936,885		-	0.550%	-	\$ 387,449	\$ 484,311	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	14,648	9,521		-	0.495%	-	\$ 348,704	\$ 435,880	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	13,280	8,632		-	0.330%	-	\$ 232,469	\$ 290,587	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	9,312	6,053		-	0.275%	-	\$ 193,724	\$ 242,155	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 191,813,724			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 70,445,219			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 121,368,505	\$ 78,889,528	\$ -	-	1.925%	-	\$ 1,356,070	\$ 1,695,088	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 3,874,487	\$ 4,843,109	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 202,165,977		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 3,874,487	\$ -	from row 9 above
12 Total Utility Costs	\$ 70,445,219	\$ -	from row 7 above
13 Portfolio GST BCR	2.72	-	row 10 divided by rows 11+12

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.

² Net of Smart Start

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.17	0.21	2.25	37,666.8	3,593.0	39,008.6	17,329.6	-	2,533.2	34,240.5	457.6	358.1	1,930	43,225.5	933,751.9
A1 - Energy Star Homes	4.82	0.85	5.34	10,309.2	1,823.1	14,819.1	2,140.5	633.9	1,237.2	29,034.2	321.1	14.9	569	10,027.1	250,256.6
A2 - Home Performance with Energy Star	3.45	0.27	3.77	23,949.5	1,877.6	32,659.5	6,944.3	1,722.1	1,309.8	14,632.7	272.6	216.0	2,824	42,255.1	829,076.8
A3 - Energy Star Products	1.81	1.43	2.77	11,816.0	9,300.4	19,409.9	6,514.4	493.8	9,113.6	86,343.6	1,682.5	1,330.0	161,169	4,127.7	60,724.5
A5 - Residential Active Demand Response	2.42	2.42	2.42	369.7	369.7	369.4	152.5	-	-	-	-	-	2,295	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	84.7	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	205.5	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	420.9	-	-	-	-	-	-	-	-
Sub-Total Residential	2.49	0.50	2.90	84,111.1	16,963.8	106,266.4	33,792.3	2,849.7	14,193.8	164,251.0	2,733.8	1,918.9	168,787	99,635.3	2,073,809.8
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.66	3.66	2.26	98,499.3	98,499.3	154,739.6	26,881.2	41,480.9	67,142.5	906,858.5	6,419.2	9,253.1	1,479	-	-
C2 - Small Business Energy Solutions	3.00	2.99	2.75	52,991.3	52,983.6	84,697.9	17,693.0	13,154.2	39,636.8	520,275.1	3,871.4	4,738.4	4,875	27.3	391.1
C3 - Municipal Energy Solutions	3.77	2.65	1.67	5,154.5	3,623.6	7,618.7	1,367.3	3,201.8	2,685.5	37,026.5	333.0	290.6	105	3,332.7	70,652.7
C4 - Energy Rewards RFP Program	1.73	1.73	0.83	9,402.9	9,402.9	15,233.9	5,435.3	13,029.1	7,300.0	96,600.0	688.3	656.5	16	-	-
C5 - C&I Active Demand Response	3.13	3.13	3.13	2,934.7	2,934.7	2,934.2	936.3	-	-	-	-	-	128	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	174.6	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	298.4	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	-	-	-	-	37.9	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.20	3.17	2.14	168,982.7	167,444.1	265,224.3	52,823.9	70,866.0	116,764.8	1,560,760.1	11,311.8	14,938.6	6,604	3,360.0	71,043.8
C6e - Smart Start	-	-	-	-	-	-	31.6	-	-	-	-	-	-	-	-
Total	2.92	2.13	2.32	253,093.8	184,407.9	371,490.7	86,647.8	73,715.6	130,958.6	1,725,011.0	14,045.6	16,857.5	175,391	102,995.3	2,144,853.6

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

	Annual kWh Savings	130,958,645	81.3%	kWh > 55%	Lifetime kWh Savings	1,725,011,028	73.3%	kWh > 55%
	Annual MMBTU Savings (in kWh)	<u>30,184,947</u>	<u>18.7%</u>		Lifetime MMBTU Savings (in kWh)	<u>628,594,576</u>	<u>26.7%</u>	
		161,143,592	100.0%			2,353,605,604	100.0%	
Annual Savings as a % of 2019 Sales	1.70%			Spending per Customer	Low-Income	\$ 729.17		
					Residential	\$ 39.36		
					C&I	\$ 678.65		

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of		Actual PI	Source
							Planned PI	Planned PI		
1 Lifetime kWh Savings	1,725,011,028	1,121,257,168		-	1.925%	-	\$ 1,667,362	\$ 2,084,202	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	130,958,645	85,123,119		-	0.550%	-	\$ 476,389	\$ 595,486	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	16,858	10,957		-	0.495%	-	\$ 428,750	\$ 535,938	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	14,046	9,130		-	0.330%	-	\$ 285,833	\$ 357,292	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	14,018	9,112		-	0.275%	-	\$ 238,195	\$ 297,743	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 239,563,545			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 86,616,182			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 152,947,362	\$ 99,415,786	\$ -	-	1.925%	-	\$ 1,667,362	\$ 2,084,202	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 4,763,890	\$ 5,954,863	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 253,093,756		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 4,763,890	\$ -	from row 9 above
12 Total Utility Costs	\$ 86,616,182	\$ -	from row 7 above
13 Portfolio GST BCR	2.77	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2022\$) is \$4,918,716.45.

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

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.18	0.21	2.26	46,125.4	4,404.5	47,736.0	21,118.8	-	3,012.9	40,737.7	544.7	425.5	2,294	51,363.9	1,109,557.3
A1 - Energy Star Homes	5.17	0.95	5.73	11,795.9	2,164.2	16,945.2	2,283.2	674.9	1,395.7	32,641.8	358.7	25.7	626	11,026.0	275,228.7
A2 - Home Performance with Energy Star	3.37	0.27	3.67	24,871.3	2,004.3	33,895.4	7,380.7	1,858.2	1,356.2	15,167.1	276.9	225.3	2,824	42,263.3	829,191.3
A3 - Energy Star Products	2.25	1.75	2.98	13,331.3	10,380.6	21,763.2	5,935.5	1,360.8	7,446.3	94,609.0	1,267.1	1,093.4	56,314	4,912.4	72,403.7
A5 - Residential Active Demand Response	2.53	2.53	2.53	565.3	565.3	564.8	223.2	-	-	-	-	-	3,443	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	127.4	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	270.8	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	339.8	-	-	-	-	-	-	-	-
Sub-Total Residential	2.57	0.52	2.91	96,689.2	19,518.9	120,904.6	37,679.4	3,893.9	13,211.2	183,155.6	2,447.3	1,769.8	65,500	109,565.5	2,286,381.1
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.67	3.67	2.34	134,195.2	134,195.2	209,755.4	36,568.7	53,167.6	89,084.2	1,200,167.0	8,124.2	12,204.9	1,613	-	-
C2 - Small Business Energy Solutions	3.21	3.21	2.79	62,127.1	62,117.8	98,991.2	19,341.8	16,202.2	45,259.2	597,737.5	4,159.1	5,247.4	4,245	32.8	469.3
C3 - Municipal Energy Solutions	3.95	2.75	1.73	5,236.4	3,648.8	7,691.5	1,326.5	3,127.4	2,622.9	36,210.2	324.7	283.6	103	3,332.7	70,652.7
C4 - Energy Rewards RFP Program	1.64	1.64	0.77	14,082.4	14,082.4	22,716.9	8,603.7	21,081.9	10,560.0	141,300.0	981.0	923.8	23	-	-
C5 - C&I Active Demand Response	3.33	3.33	3.33	4,474.2	4,474.2	4,473.4	1,342.3	-	-	-	-	-	193	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	258.6	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	386.9	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	-	-	-	-	56.0	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.24	3.22	2.13	220,115.4	218,518.4	343,628.4	67,884.5	93,579.1	147,526.3	1,975,414.8	13,589.0	18,659.7	6,176	3,365.5	71,122.0
C6e - Smart Start	-	-	-	-	-	-	30.2	-	-	-	-	-	-	-	-
Total	3.00	2.25	2.29	316,804.6	238,037.3	464,532.9	105,594.2	97,473.0	160,737.4	2,158,570.3	16,036.4	20,429.5	71,676	112,931.0	2,357,503.1

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

Annual kWh Savings	160,737,444	82.9%	kWh > 55%	Lifetime kWh Savings	2,158,570,339	75.8%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>33,096,807</u>	<u>17.1%</u>		Lifetime MMBTU Savings (in kWh)	<u>690,915,984</u>	<u>24.2%</u>	
	193,834,252	100.0%			2,849,486,323	100.0%	

Annual Savings as a % of 2019 Sales	2.09%	Spending per Customer	Low-Income	\$	888.62
			Residential	\$	39.59
			C&I	\$	872.14

Portfolio Planned Versus Actual Performance - 2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of		Actual PI	Source
							Planned PI	Planned PI		
1 Lifetime kWh Savings	2,158,570,339	1,403,070,720		-	1.925%	-	\$ 2,032,106	\$ 2,540,133	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	160,737,444	104,479,339		-	0.550%	-	\$ 580,602	\$ 725,752	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	20,430	13,279		-	0.495%	-	\$ 522,542	\$ 653,177	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	16,036	10,424		-	0.330%	-	\$ 348,361	\$ 435,451	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	20,978	13,635		-	0.275%	-	\$ 290,301	\$ 362,876	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 300,509,850			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 105,563,969			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 194,945,881	\$ 126,714,823	\$ -	-	1.925%	-	\$ 2,032,106	\$ 2,540,133	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 5,806,018	\$ 7,257,523	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 316,804,617		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 5,806,018	\$ -	from row 9 above
12 Total Utility Costs	\$ 105,563,969	\$ -	from row 7 above
13 Portfolio GST BCR	2.84	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$6,189,542.07.

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

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.12	0.20	2.20	111,534.8	10,669.0	115,504.4	52,544.0	-	7,480.1	101,161.8	1,353.0	1,055.5	5,690	127,424.4	2,752,609.6
A1 - Energy Star Homes	4.85	0.87	5.38	31,171.4	5,601.4	44,824.2	6,421.3	1,903.7	3,757.6	88,070.7	971.7	54.1	1,711	30,168.6	752,991.3
A2 - Home Performance with Energy Star	3.45	0.27	3.77	71,827.1	5,647.9	97,946.1	20,842.6	5,170.8	3,929.5	43,898.0	817.8	648.0	8,471	126,765.3	2,487,230.4
A3 - Energy Star Products	1.84	1.47	2.79	37,493.6	29,926.3	61,597.9	20,423.0	1,643.3	31,148.5	271,488.8	5,916.4	4,639.9	517,635	12,383.0	182,173.6
A5 - Residential Active Demand Response	2.45	2.45	2.45	1,175.8	1,175.8	1,174.9	479.6	-	-	-	-	-	7,268	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	259.5	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	631.9	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	1,109.5	-	-	-	-	-	-	-	-
Sub-Total Residential	2.47	0.52	2.88	253,202.8	53,020.5	321,047.4	102,711.4	8,717.9	46,315.7	504,619.3	9,058.8	6,397.4	540,775	296,741.3	6,175,005.0
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.67	3.67	2.29	306,146.2	306,146.2	480,368.7	83,425.7	125,996.9	207,485.4	2,801,248.6	19,698.6	28,544.6	4,453	-	-
C2 - Small Business Energy Solutions	3.12	3.12	2.80	158,752.1	158,729.2	253,454.7	50,855.9	39,528.9	118,108.6	1,550,863.5	11,498.2	14,116.9	14,250	82.0	1,173.2
C3 - Municipal Energy Solutions	3.77	2.65	1.67	15,483.7	10,893.5	22,879.4	4,103.7	9,608.6	8,058.4	111,104.7	999.2	872.1	316	9,998.0	211,958.2
C4 - Energy Rewards RFP Program	1.71	1.71	0.81	29,152.8	29,152.8	47,156.8	17,036.2	41,067.1	22,400.0	297,150.0	2,107.4	2,004.5	49	-	-
C5 - C&I Active Demand Response	3.18	3.18	3.18	9,326.8	9,326.8	9,325.0	2,928.4	-	-	-	-	-	406	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	533.0	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	915.4	-	-	-	-	-	-	-	-
C6d - C&I Customer Partnerships	-	-	-	-	-	-	115.7	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.24	3.22	2.16	518,861.5	514,248.3	813,184.6	159,913.9	216,201.4	356,052.5	4,760,366.8	34,303.5	45,538.1	19,474	10,080.0	213,131.4
C6e - Smart Start	-	-	-	-	-	-	94.8	-	-	-	-	-	-	-	-
Total	2.94	2.16	2.33	772,064.4	567,268.8	1,134,232.1	262,720.2	224,919.3	402,368.2	5,264,986.2	43,362.3	51,935.5	560,249	306,821.3	6,388,136.4

Notes:
(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
(2) Utility and Customer Costs Expressed in 2021 Dollars.

	Annual kWh Savings	402,368,220	81.7%	kWh > 55%	Lifetime kWh Savings	5,264,986,155	73.8%	kWh > 55%
	Annual MMBTU Savings (in kWh)	89,920,458	18.3%		Lifetime MMBTU Savings (in kWh)	1,872,178,050	26.2%	
		492,288,678	100.0%			7,137,164,205	100.0%	
Cumulative Savings as a % of 2019 Sales	5.24%			Spending per Customer	Low-Income	\$ 2,210.89		
					Residential	\$ 119.94		
					C&I	\$ 2,054.47		

Portfolio Planned Versus Actual Performance - 2021-2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of		Actual PI	Source
							Planned PI	Planned PI		
1 Lifetime kWh Savings	5,264,986,155	3,422,241,001		-	1.925%	-	\$ 5,055,538	\$ 6,319,423	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	402,368,220	261,539,343		-	0.550%	-	\$ 1,444,440	\$ 1,805,549	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	51,936	33,758		-	0.495%	-	\$ 1,299,996	\$ 1,624,994	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	43,362	28,185		-	0.330%	-	\$ 866,664	\$ 1,083,330	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	44,308	28,800		-	0.275%	-	\$ 722,220	\$ 902,775	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 731,887,119			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 262,625,370			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 469,261,749	\$ 305,020,137	\$ -	-	1.925%	-	\$ 5,055,538	\$ 6,319,423	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 14,444,395	\$ 18,055,494	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 772,064,350		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 14,444,395	\$ -	from row 9 above
12 Total Utility Costs	\$ 262,625,370	\$ -	from row 7 above
13 Portfolio GST BCR	2.79	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Three-year nominal PI is \$14,982,745.58.

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

ADR Program Cost-Effectiveness

2021									
	Benefit/Cost		Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio Granite State Test	Benefit (\$000) Granite State Test							
Residential Programs									
A5 - Residential Active Demand Response	2.32	240.8	103.9	-	(4.0)	(4.0)	-	900.0	1,530
Sub-Total Residential	2.32	240.8	103.9	-	(4.0)	(4.0)	-	900.0	1,530
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	2.95	1,917.9	649.8	-	(7.9)	(7.9)	-	8,412.2	86
Sub-Total Commercial & Industrial	2.95	1,917.9	649.8	-	(7.9)	(7.9)	-	8,412.2	86
Total	2.86	2,158.7	753.7	-	(11.9)	(11.9)	-	9,312.2	1,616

(1) Utility and Customer Costs in 2021 Dollars

2022									
	Benefit/Cost		Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio Granite State Test	Benefit (\$000) Granite State Test							
Residential Programs									
A5 - Residential Active Demand Response	2.42	369.7	152.5	-	(6.0)	(6.0)	-	1,350.0	2,295
Sub-Total Residential	2.42	369.7	152.5	-	(6.0)	(6.0)	-	1,350.0	2,295
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	3.13	2,934.7	936.3	-	(10.9)	(10.9)	-	12,668.3	128
Sub-Total Commercial & Industrial	3.13	2,934.7	936.3	-	(10.9)	(10.9)	-	12,668.3	128
Total	3.03	3,304.4	1,088.8	-	(16.9)	(16.9)	-	14,018.3	2,423

(1) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs tab.

2023									
	Benefit/Cost		Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio Granite State Test	Benefit (\$000) Granite State Test							
Residential Programs									
A5 - Residential Active Demand Response	2.53	565.3	223.2	-	(8.9)	(8.9)	-	2,025.0	3,443
Sub-Total Residential	2.53	565.3	223.2	-	(8.9)	(8.9)	-	2,025.0	3,443
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	3.33	4,474.2	1,342.3	-	(16.2)	(16.2)	-	18,952.5	193
Sub-Total Commercial & Industrial	3.33	4,474.2	1,342.3	-	(16.2)	(16.2)	-	18,952.5	193
Total	3.22	5,039.5	1,565.5	-	(25.2)	(25.2)	-	20,977.5	3,635

(1) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs tab.

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
B1a - HEA (Weatherization)	Air Sealing, Cord Wood	E21B1a001	12	16	20	0.2	0.3	0.4	3.6	4.7	5.6	-	-	-	-	-	-	183.1	241.1	286.4	2,746.7	3,615.9	4,296.7
B1a - HEA (Weatherization)	Air Sealing, Electric	E21B1a002	146	193	229	162.2	213.5	253.7	2,432.8	3,202.6	3,805.6	51.5	67.8	80.5	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Gas	E21B1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Kerosene	E21B1a004	187	247	293	11.1	14.6	17.4	166.8	219.5	260.9	-	-	-	-	-	-	1,620.7	2,133.6	2,535.3	24,310.9	32,003.8	38,029.4
B1a - HEA (Weatherization)	Air Sealing, Oil	E21B1a005	602	792	941	49.3	64.9	77.1	739.3	973.2	1,156.5	-	-	-	-	-	-	4,654.2	6,127.0	7,280.6	69,813.0	91,904.7	109,208.4
B1a - HEA (Weatherization)	Air Sealing, Propane	E21B1a006	212	280	332	23.6	31.0	36.9	353.7	465.6	553.3	-	-	-	-	-	-	1,140.8	1,501.7	1,784.5	17,111.4	22,526.2	26,767.4
B1a - HEA (Weatherization)	Air Sealing, Wood Pellets	E21B1a007	12	16	20	0.2	0.3	0.4	3.6	4.7	5.6	-	-	-	-	-	-	183.1	241.1	286.4	2,746.7	3,615.9	4,296.7
B1a - HEA (Weatherization)	Faucet Aerator, Electric	E21B1a009	54	70	84	2.3	3.0	3.6	16.0	21.0	25.0	0.4	0.6	0.7	0.2	0.2	0.3	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Gas	E21B1a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Kerosene	E21B1a011	69	90	107	-	-	-	-	-	-	-	-	-	-	-	-	9.7	12.8	15.2	68.1	89.7	106.6
B1a - HEA (Weatherization)	Faucet Aerator, Oil	E21B1a012	220	290	344	-	-	-	-	-	-	-	-	-	-	-	-	31.2	41.1	48.9	218.7	287.9	342.1
B1a - HEA (Weatherization)	Faucet Aerator, Propane	E21B1a013	78	102	122	-	-	-	-	-	-	-	-	-	-	-	-	11.0	14.5	17.3	77.2	101.7	120.8
B1a - HEA (Weatherization)	Hand Held Showerhead, Electric	E21B1a016	20	27	31	2.7	3.5	4.2	18.6	24.5	29.1	0.5	0.7	0.8	0.2	0.3	0.3	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	E21B1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Kerosene	E21B1a018	26	34	40	-	-	-	-	-	-	-	-	-	-	-	-	14.8	19.5	23.2	103.9	136.8	162.6
B1a - HEA (Weatherization)	Hand Held Showerhead, Oil	E21B1a019	83	109	129	-	-	-	-	-	-	-	-	-	-	-	-	47.7	62.7	74.6	333.6	439.2	521.9
B1a - HEA (Weatherization)	Hand Held Showerhead, Propane	E21B1a020	29	38	46	-	-	-	-	-	-	-	-	-	-	-	-	16.8	22.2	26.3	117.8	155.1	184.3
B1a - HEA (Weatherization)	Insulation, Cord Wood	E21B1a022	13	17	20	2.4	3.1	3.7	59.5	78.3	93.1	-	-	-	1.3	1.7	2.1	268.0	352.8	419.3	6,700.3	8,820.6	10,481.3
B1a - HEA (Weatherization)	Insulation, Electric	E21B1a023	150	198	235	211.1	277.9	330.2	5,276.9	6,946.7	8,254.7	67.0	88.2	104.8	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Gas	E21B1a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Kerosene	E21B1a025	192	253	301	25.1	33.1	39.3	628.6	827.6	983.4	-	-	-	13.9	18.3	21.7	3,331.2	4,385.4	5,211.0	83,280.7	109,634.1	130,275.9
B1a - HEA (Weatherization)	Insulation, Oil	E21B1a026	617	812	965	106.1	139.7	166.0	2,653.4	3,493.1	4,150.7	-	-	-	58.5	77.0	91.6	10,697.3	14,082.3	16,733.7	267,431.8	352,058.0	418,343.0
B1a - HEA (Weatherization)	Insulation, Propane	E21B1a027	218	287	341	31.9	42.0	49.9	797.7	1,050.1	1,247.8	-	-	-	17.6	23.2	27.5	2,312.8	3,044.7	3,617.9	57,820.0	76,116.6	90,447.7
B1a - HEA (Weatherization)	Insulation, Wood Pellets	E21B1a028	13	17	20	2.4	3.1	3.7	59.5	78.3	93.1	-	-	-	1.3	1.7	2.1	268.0	352.8	419.3	6,700.3	8,820.6	10,481.3
B1a - HEA (Weatherization)	Low Flow Showerhead, Electric	E21B1a030	22	29	34	2.9	3.8	4.5	20.3	26.7	31.8	0.6	0.8	0.9	0.2	0.3	0.3	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	E21B1a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Kerosene	E21B1a032	28	37	44	-	-	-	-	-	-	-	-	-	-	-	-	16.2	21.3	25.3	113.4	149.3	177.4
B1a - HEA (Weatherization)	Low Flow Showerhead, Oil	E21B1a033	90	119	141	-	-	-	-	-	-	-	-	-	-	-	-	52.0	68.4	81.3	363.9	479.1	569.3
B1a - HEA (Weatherization)	Low Flow Showerhead, Propane	E21B1a034	32	42	50	-	-	-	-	-	-	-	-	-	-	-	-	18.4	24.2	28.7	128.5	169.2	201.0
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Electric	E21B1a037	13	17	20	1.3	1.8	2.1	20.1	26.5	31.5	0.3	0.3	0.4	0.1	0.1	0.2	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	E21B1a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Kerosene	E21B1a039	16	22	26	-	-	-	-	-	-	-	-	-	-	-	-	6.0	7.9	9.3	89.6	117.9	140.1
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Oil	E21B1a040	53	69	82	-	-	-	-	-	-	-	-	-	-	-	-	19.2	25.2	30.0	287.5	378.4	449.7
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Propane	E21B1a041	19	24	29	-	-	-	-	-	-	-	-	-	-	-	-	6.8	8.9	10.6	101.5	133.6	158.8
B1a - HEA (Weatherization)	DHW Heat Pump Water Heater	E21B1a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	E21B1a044	12,625	16,620	19,749	405.6	533.9	634.4	811.1	1,067.8	1,268.8	87.5	115.3	137.0	56.5	74.3	88.3	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Linear	E21B1a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Other Specialty	E21B1a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Reflector	E21B1a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Fixture	E21B1a048	505	665	790	17.2	22.6	26.9	34.4	45.3	53.8	3.7	4.9	5.8	2.4	3.2	3.7	-	-	-	-	-	-
B1a - HEA (Weatherization)	Refrigerator	E21B1a049	601	791	940	460.6	606.4	720.6	5,527.8	7,277.0	8,647.1	52.6	69.3	82.3	64.5	85.0	101.0	-	-	-	-	-	-
B1a - HEA (Weatherization)	Freezer	E21B1a050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Clothes Washer	E21B1a051	361	475	564	29.1	38.3	45.5	407.5	536.4	637.4	4.1	5.4	6.4	3.9	5.1	6.0	88.3	116.2	138.1	1,236.2	1,627.4	1,933.8
B1a - HEA (Weatherization)	Clothes Dryer	E21B1a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Dehumidifier	E21B1a053	156	206	245	45.6	60.0	71.3	546.7	719.7	855.2	1.8	2.4	2.9	8.7	11.5	13.7	-	-	-	-	-	-
B1a - HEA (Weatherization)	Room Air Conditioner	E21B1a054	721	950	1,129	74.2	97.7	116.0	593.5	781.3	928.4	-	-	-	38.4	50.6	60.1	-	-	-	-	-	-
B1a - HEA (Weatherization)	Triple Pane Window	E21B1a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Visual Audit	E21B1a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - SF	E21B1a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - MF	E21B1a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Income Kits	E21B1a059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC System)	Boiler Replacement, Gas	E21B1b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC System)	Boiler Replacement, Kerosene	E21B1b002	5	6	7	-	-	-	-	-	-	-	-	-	-	-	-	26.6	35.1	41.7	666.2	877.0	1,042.1
B1b - HEA (HVAC System)	Boiler Replacement, Oil	E21B1b003	146	193	229	10.2	13.4	16.0	255.0	335.7	398.9	3.0	4.0	4.7	-	-	-	2,118.4	2,788.7	3,313.8	52,959.9	69,718.6	82,845.1
B1b - HEA (HVAC System)	Boiler Replacement, Propane	E21B1b004	25	33	39	9.1	12.0	14.3	228.4	300.7	357.3	2.7	3.5	4.2	-	-	-	382.4	503.4	598.2	9,560.5	12,585.8	14,955.4
B1b - HEA (HVAC System)	Furnace Replacement, Gas	E21B1b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC System)	Furnace Replacement, Kerosene	E21B1b006	140	184	218	11.1	14.6	17.4	222.5	292.9	348.0	3.2	4.3	5.1	-	-	-	1,197.5	1,576.4	1,873.2	23,949.8	31,528.5	37,464.6
B1b - HEA (HVAC System)	Furnace Replacement, Oil	E21B1b007	153	202	240	23.4	30.8	36.7	468.6	616.9	733.1	6.8	9.0	10.7	-	-	-	2,320.9	3,055.3	3,630.6	46,418.2	61,106.8	72,611.9
B1b - HEA (HVAC System)	Furnace Replacement, Propane	E21B1b008	92	120	143	14.0	18.4	21.9	279.8	368.3	437.7	4.1	5.4	6.4	-	-	-	1,393.1	1,833.9	2,179.2	27,862.2	36,679.0	43,564.9
B1b - HEA (HVAC System)	Programmable Thermostat, Electric	E21B1b009	18	24	29	4.6	6.1	7.2	69.4	91.4	108.6	-	-	-	2.6	3.4	4.0	-	-	-	-	-	-
B1b - HEA (HVAC System)	Programmable Thermostat, Gas	E21B1b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC System)	Programmable Thermostat, Kerosene	E21B1b011	23	31	37	0.6	0.8	0.9	8.6	11.4	13.5	-	-	-	0.3	0.4	0.5	74.6	98.3	116.8	1,119.6	1,473.9	1,751.4
B1b - HEA (HVAC System)	Programmable Thermostat, Oil	E21B1b012	75	99	118	1.8	2.4	2.9	27.1	36.5	43.4	-	-	-	1.0	1.3	1.6	239.6	315.4	374.7	3,593.3	4,730.4	5,621.0
B1b - HEA (HVAC System)	Programmable Thermostat, Propane	E21B1b013	27	35	42	0.7	0.9</																

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
B1b - HEA (HVAC Systems)	Wifi Thermostat, Gas	E21B1b016	-	-	-																		
B1b - HEA (HVAC Systems)	Wifi Thermostat, Kerosene	E21B1b017	-	-	-																		
B1b - HEA (HVAC Systems)	Wifi Thermostat, Oil	E21B1b018	-	-	-																		
B1b - HEA (HVAC Systems)	Wifi Thermostat, Propane	E21B1b019	-	-	-																		
B1b - HEA (HVAC Systems)	Wifi Thermostat, Wood Pellets	E21B1b020	-	-	-																		
B1b - HEA (HVAC Systems)	Mini Split HP (cooling)	E21B1b021	-	-	-																		
B1b - HEA (HVAC Systems)	Mini Split HP (heating)	E21B1b022	40	50	60	191.2	239.1	286.9	3,442.4	4,303.0	5,163.6	60.7	75.9	91.1	-	-	-	-	-	-	-	-	-
Home Energy Assistance Subtotal						1,933.9	2,533.2	3,012.9	26,183.6	34,240.5	40,737.7	350.7	457.6	544.7	272.0	358.1	425.5	32,835.1	43,225.5	51,363.9	709,300.4	933,751.9	1,109,557.3

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A1a - ES Homes	Cooling, Electric, SF	E21A1a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A1a - ES Homes	Heating, Electric, SF	E21A1a002	32	35	39	524.1	576.5	634.1	13,101.5	14,411.7	15,852.8	166.4	183.0	201.3	-	-	-	-	-	-	-	-	
A1a - ES Homes	Heating, Gas, SF	E21A1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Heating, Oil, SF	E21A1a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Heating, Propane, SF	E21A1a005	226	249	273	127.8	140.6	154.6	3,195.0	3,514.5	3,866.0	-	-	-	-	-	-	8,812.0	9,693.2	10,662.5	220,299.4	242,329.4	266,562.3
A1a - ES Homes	Heating, Wood Pellets, SF	E21A1a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Electric, SF	E21A1a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Gas, SF	E21A1a008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Oil, SF	E21A1a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Propane, SF	E21A1a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Wood Pellets, SF	E21A1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Cooling, Electric, MF	E21A1a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Heating, Electric, MF	E21A1a013	235	259	284	339.2	373.1	410.4	8,479.6	9,327.6	10,260.3	107.7	118.5	130.3	-	-	-	-	-	-	-	-	
A1a - ES Homes	Heating, Gas, MF	E21A1a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Heating, Oil, MF	E21A1a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Heating, Propane, MF	E21A1a016	24	26	29	35.0	38.6	42.4	876.2	963.8	1,060.2	-	-	-	-	-	-	268.8	295.7	325.2	6,720.0	7,392.0	8,131.2
A1a - ES Homes	Heating, Wood Pellets, MF	E21A1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Electric, MF	E21A1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Gas, MF	E21A1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Oil, MF	E21A1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Propane, MF	E21A1a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Hot Water, Wood Pellets, MF	E21A1a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	LED Bulb	E21A1a023	5,319	5,850	6,436	33.9	37.3	41.0	101.6	111.8	123.0	7.3	8.0	8.8	4.7	5.2	5.7	-	-	-	-	-	
A1a - ES Homes	LED Fixture	E21A1a024	3,208	3,529	3,882	17.6	19.4	21.3	52.9	58.2	64.0	3.8	4.2	4.6	2.5	2.7	3.0	-	-	-	-	-	
A1a - ES Homes	Refrigerator	E21A1a025	414	455	501	17.0	18.7	20.5	203.6	223.9	246.3	1.9	2.1	2.3	2.4	2.6	2.9	-	-	-	-	-	
A1a - ES Homes	Clothes Washer	E21A1a026	129	142	142	11.5	12.6	12.6	160.4	176.4	176.4	1.6	1.8	1.8	1.5	1.7	1.7	34.8	38.2	38.2	486.6	535.2	535.2
A1a - ES Homes	Clothes Dryer	E21A1a027	116	128	141	18.7	20.5	22.6	223.9	246.2	270.9	3.2	3.5	3.8	2.4	2.7	3.0	-	-	-	-	-	
A1a - ES Homes	HERS - Lighting and Appliances	E21A1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1a - ES Homes	Residential New Construction Code Compliance	E21A1a029	1	1	1	-	-	36.1	-	-	721.8	-	-	5.7	-	-	9.5	-	-	-	-	-	
ES Homes Subtotal						1,124.7	1,237.2	1,395.7	26,394.7	29,034.2	32,641.8	291.9	321.1	358.7	13.5	14.9	25.7	9,115.5	10,027.1	11,026.0	227,506.0	250,256.6	275,228.7

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A2b - HPwES (HVAC Syst	Wifi Thermostat, Kerosene	E21A2b017	0	0	0	0.0	0.0	0.0	0.2	0.2	0.2	-	-	-	0.0	0.0	0.0	0.7	0.7	0.7	10.6	10.6	10.6
A2b - HPwES (HVAC Syst	Wifi Thermostat, Oil	E21A2b018	21	21	21	1.0	1.0	1.0	14.5	14.5	14.5	-	-	-	0.5	0.5	0.5	124.4	124.4	124.4	1,865.9	1,865.9	1,865.9
A2b - HPwES (HVAC Syst	Wifi Thermostat, Propane	E21A2b019	6	6	6	0.3	0.3	0.3	4.3	4.3	4.3	-	-	-	0.2	0.2	0.2	35.8	35.8	35.8	537.1	537.1	537.1
A2b - HPwES (HVAC Syst	Wifi Thermostat, Wood Pellets	E21A2b020	1	1	1	0.0	0.0	0.0	0.7	0.7	0.7	-	-	-	0.0	0.0	0.0	3.0	3.0	3.0	45.4	45.4	45.4
Home Performance with Energy Star Subtotal						1,263.5	1,309.8	1,356.2	14,098.2	14,632.7	15,167.1	268.3	272.6	276.9	206.7	216.0	225.3	42,246.9	42,255.1	42,263.3	828,962.3	829,076.8	829,191.3

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A3a - ES Lighting	LED Bulb, General Service Lamps	E21A3a001	580,944	290,472	-	4,965.1	1,730.3	-	14,895.4	5,190.8	-	1,071.8	373.5	-	691.4	240.9	-	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear	E21A3a002	94,058	44,954	7,377	262.7	87.5	8.1	2,626.8	875.0	73.0	56.7	18.9	1.8	36.6	12.2	1.1	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty	E21A3a003	165,984	110,656	73,771	1,590.1	738.8	278.4	4,770.2	2,216.4	556.8	343.3	159.5	60.1	221.4	102.9	38.8	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector	E21A3a004	193,648	48,412	-	2,052.8	357.7	-	4,105.6	715.4	-	443.1	77.2	-	285.8	49.8	-	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, General Service Lamps (Hard to Reach)	E21A3a005	30,576	20,384	13,589	419.7	227.0	116.1	1,259.1	681.0	232.3	90.6	49.0	25.1	58.4	31.6	16.2	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear (Hard to Reach)	E21A3a006	5,460	3,640	2,427	24.5	13.2	6.8	244.9	132.5	61.0	5.3	2.9	1.5	3.4	1.8	0.9	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty (Hard to Reach)	E21A3a007	8,736	5,824	3,883	134.4	72.7	37.2	403.2	218.1	74.4	29.0	15.7	8.0	18.7	10.1	5.2	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector (Hard to Reach)	E21A3a008	15,288	10,192	6,795	260.3	140.8	72.0	520.6	281.6	72.0	56.2	30.4	15.5	36.2	19.6	10.0	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture	E21A3a009	41,325	27,550	18,367	327.6	152.2	57.4	982.9	456.7	114.7	70.7	32.9	12.4	45.6	21.2	8.0	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture (Hard to Reach)	E21A3a010	2,175	1,450	967	27.7	15.0	7.7	83.1	44.9	15.3	6.0	3.2	1.7	3.9	2.1	1.1	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier I	E21A3b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier II	E21A3b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (cooling)	E21A3b003	47	62	79	10.3	13.7	-	186.1	246.1	311.0	-	-	-	5.7	7.5	9.5	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (heating)	E21A3b004	47	62	79	98.1	129.7	163.9	1,765.6	2,335.0	2,950.1	31.1	41.2	52.0	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (cooling)	E21A3b005	1,700	2,587	3,524	175.0	266.3	362.7	3,149.6	4,792.6	6,529.4	-	-	-	96.5	146.8	200.0	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (heating)	E21A3b006	1,700	2,587	3,524	558.1	849.3	1,157.0	10,046.0	15,286.6	20,826.2	177.2	269.6	367.3	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal - Downstream	E21A3b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal - Downstream	E21A3b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Heat Pump Swimming Pool Heater	E21A3b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Dryers	E21A3b010	1,900	1,978	2,056	304.8	317.3	329.8	3,657.1	3,807.3	3,957.4	51.9	54.1	56.2	40.0	41.6	43.3	-	-	-	-	-	-
A3b - ES Appliances	Dryer Heat Pump	E21A3b011	45	45	45	18.9	18.9	18.9	227.4	227.4	227.4	3.2	3.2	3.2	2.5	2.5	2.5	-	-	-	-	-	-
A3b - ES Appliances	Dryer Hybrid	E21A3b012	45	45	45	9.6	9.6	9.6	115.2	115.2	115.2	1.6	1.6	1.6	1.3	1.3	1.3	-	-	-	-	-	-
A3c - ES HVAC Systems	ECM Motor for FWH Circulating Pump - Midstream	E21A3b013	1,300	3,000	4,200	61.0	140.8	197.1	1,097.9	2,533.7	3,547.2	18.0	41.5	58.1	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	ES AC (central) 3 ton	E21A3b015	149	173	197	29.8	34.6	39.4	417.0	484.2	551.3	-	-	-	16.4	19.1	21.7	-	-	-	-	-	-
A3c - ES HVAC Systems	Room Air Conditioner	E21A3b016	900	1,073	1,246	14.4	17.2	19.9	115.2	137.3	159.5	-	-	-	7.5	8.9	10.3	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Washers	E21A3b017	1,700	2,041	2,382	150.7	181.0	211.2	2,110.3	2,533.7	2,957.0	21.2	25.4	29.7	20.0	24.0	28.0	457.3	549.0	640.8	6,402.2	7,686.4	8,970.6
A3b - ES Appliances	Washer Tier CEE Tier 2+	E21A3b018	1,455	1,455	1,455	226.8	226.8	226.8	3,175.7	3,175.7	3,175.7	31.9	31.9	31.9	30.1	30.1	30.1	641.7	641.7	641.7	8,983.2	8,983.2	8,983.2
A3b - ES Appliances	ES Dehumidifier	E21A3b019	1,996	2,292	2,588	288.4	331.2	374.0	3,461.1	3,974.3	4,487.6	11.6	13.3	15.0	55.3	63.5	71.7	-	-	-	-	-	-
A3b - ES Appliances	ES Dishwasher	E21A3b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Freezers	E21A3b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator	E21A3b022	1,800	2,200	2,600	73.8	90.2	106.6	885.6	1,082.4	1,279.2	8.4	10.3	12.2	10.3	12.6	14.9	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator CEE Tier 2+	E21A3b023	250	449	648	24.1	43.3	62.5	289.2	519.4	749.6	2.8	4.9	7.1	3.4	6.1	8.8	-	-	-	-	-	-
A3b - ES Appliances	ES Pool Pumps (Variable Speed)	E21A3b024	348	396	444	369.6	420.6	471.5	3,695.8	4,205.5	4,715.3	-	-	-	213.6	243.1	272.6	-	-	-	-	-	-
A3b - ES Appliances	Room Air Purifier	E21A3b025	900	1,098	1,296	351.5	428.8	506.1	3,163.1	3,858.9	4,554.8	40.1	48.9	57.8	40.1	48.9	57.8	-	-	-	-	-	-
A3c - ES HVAC Systems	Wifi Thermostat (Heating & Cooling)	E21A3b026	340	445	550	8.5	11.1	13.7	126.8	165.9	205.1	-	-	-	4.7	6.1	7.5	2,244.0	2,937.0	3,630.0	33,660.0	44,055.0	54,450.0
A3b - ES Appliances	Primary Refrigerator Recycling	E21A3b027	300	301	302	147.5	148.0	148.5	1,179.8	1,183.8	1,187.7	16.8	16.9	17.0	20.7	20.7	20.8	-	-	-	-	-	-
A3b - ES Appliances	Secondary Refrigerator Recycling	E21A3b028	350	478	606	264.3	360.9	457.5	2,114.0	2,887.1	3,660.2	24.8	33.8	42.9	41.3	56.4	71.5	-	-	-	-	-	-
A3b - ES Appliances	Secondary Freezer Recycling	E21A3b029	78	168	258	51.3	110.5	169.8	410.6	884.4	1,358.1	5.0	10.8	16.6	6.8	14.6	22.4	-	-	-	-	-	-
A3b - ES Appliances	Room Air Conditioner Recycling	E21A3b030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit Resistance	E21A3b031	100	100	100	503.9	503.9	503.9	9,070.2	9,070.2	9,070.2	219.8	160.0	160.0	127.8	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit HP	E21A3b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit HP	E21A3b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit Resistance	E21A3b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal - Midstream	E21A3b035	1,000	1,250	1,750	740.0	925.0	1,294.9	9,619.6	12,024.5	16,834.3	121.4	151.8	212.5	67.1	83.9	117.5	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal - Midstream	E21A3b036	100	-	-	43.5	-	-	565.6	-	-	7.1	-	-	3.9	-	-	-	-	-	-	-	-
ES Products Subtotal						14,588.7	9,113.6	7,446.3	90,536.2	86,343.6	94,609.0	2,968.8	1,682.5	1,267.1	2,216.5	1,330.0	1,093.4	3,343.0	4,127.7	4,912.4	49,045.3	60,724.5	72,403.7

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1a - LCI Retrofit	Custom Large Compressed Air Retro	E21C1a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Hot Water Retro	E21C1a002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large HVAC Retro	E21C1a003	1	1	1	799.2	999.0	1,198.8	10,229.8	12,787.2	15,344.6	68.0	85.0	102.0	56.0	70.0	84.0	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Lighting Retro - Interior	E21C1a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Lighting Retro - Exterior	E21C1a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Lighting Retro - Controls	E21C1a048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Motors Retro	E21C1a005	1	1	1	51.4	558.7	1,105.9	719.6	7,821.2	15,482.2	4.6	50.3	99.6	4.7	51.4	101.8	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Process Retro	E21C1a006	1	1	1	3,996.0	5,994.0	8,991.0	47,152.8	70,729.2	106,093.8	360.0	540.0	810.0	380.0	570.0	855.0	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Refrigeration Retro	E21C1a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Other Retro	E21C1a008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Daylight Dimming	E21C1a009	3	4	5	28.0	37.3	46.7	252.1	336.1	420.1	0.4	0.5	0.6	0.4	0.6	0.7	-	-	-	-	-	
C1a - LCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C1a010	19	23	26	558.5	674.7	789.7	7,819.0	9,446.3	11,055.7	111.8	135.1	158.1	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C1a011	105	128	150	2,097.9	2,547.5	2,997.0	29,370.6	35,664.3	41,958.0	420.0	510.0	600.0	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C1a012	23	28	33	1,037.2	1,253.1	1,466.6	12,446.5	15,036.9	17,598.9	126.7	153.0	179.1	166.1	200.7	234.9	-	-	-	-	-	
C1a - LCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C1a013	420	510	600	16,783.2	20,379.6	23,976.0	201,398.4	244,555.2	287,712.0	2,049.6	2,488.8	2,928.0	2,688.0	3,264.0	3,840.0	-	-	-	-	-	
C1a - LCI Retrofit	Lighting Occupancy Sensors	E21C1a014	15	20	26	54.6	72.8	94.6	491.4	655.3	851.8	0.7	0.9	1.2	0.8	1.1	1.4	-	-	-	-	-	
C1a - LCI Retrofit	Boiler Reset Controls, Electric	E21C1a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Case Motor Replacement	E21C1a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Cooler Night Cover	E21C1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Demand Control Ventilation	E21C1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Door Heater Controls	E21C1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Duct Sealing, Electric	E21C1a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Ductless Mini Split Heat Pump	E21C1a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C1a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Electronic Defrost Control	E21C1a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Energy Management System, Electric	E21C1a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C1a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Evaporator Fan Control	E21C1a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Faucet Aerator, Electric	E21C1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Hotel Occupancy Sensor	E21C1a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Low Pressure Drop Filter	E21C1a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C1a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Low-Flow Showerhead, Electric	E21C1a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Motors, Open Drip	E21C1a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C1a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Novelty Cooler Shutoff	E21C1a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pipe Wrap - Heating, Electric	E21C1a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C1a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pre Rinse Spray Valve, Electric	E21C1a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Programmable Thermostat, Electric	E21C1a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Steam Trap, Electric	E21C1a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Variable Frequency Drive	E21C1a043	7	10	13	448.1	640.1	832.2	6,721.5	9,602.2	12,482.9	17.6	25.1	32.6	17.6	25.1	32.6	-	-	-	-	-	
C1a - LCI Retrofit	Variable Frequency Drive with Motor	E21C1a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Vending Miser	E21C1a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Zero Loss Condensate Drain	E21C1a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Large Retrocommissioning	E21C1a049	1	1	1	151.0	453.1	1,208.2	453.1	1,359.2	3,624.5	7.9	23.6	62.9	6.8	20.4	54.4	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Compressed Air New	E21C1b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Hot Water New	E21C1b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large HVAC New	E21C1b003	1	1	1	8,686.8	13,247.4	17,699.4	125,958.4	192,087.0	256,640.9	519.1	791.6	1,057.7	1,346.8	2,053.8	2,744.0	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Lighting New - Interior	E21C1b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Lighting New - Exterior	E21C1b054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Lighting New - Controls	E21C1b055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Motors New	E21C1b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Process New	E21C1b006	1	1	1	7,943.5	12,723.2	21,655.0	112,003.2	179,396.6	305,335.4	521.5	835.2	1,421.6	1,100.9	1,763.3	3,001.1	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Refrigeration New	E21C1b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Other New	E21C1b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Comprehensive Design	E21C1b056	1	1	1	2,997.0	2,397.6	1,918.1	50,949.0	40,759.2	32,607.4	356.6	285.3	228.2	356.6	285.3	228.2	-	-	-	-	-	
C1b - LCI New Equipment	Daylight Dimming	E21C1b009	3	4	5	16.8	22.4	28.0	167.8	223.7	279.6	0.2	0.3	0.4	0.3	0.3	0.4	-	-	-	-	-	
C1b - LCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C1b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Performance Lighting - Exterior w/o Controls	E21C1b011	50	60	72	499.5	599.4	719.3	7,492.5	8,991.0	10,789.2	100.0	120.0	144.0	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Performance Lighting - Interior w/ Controls	E21C1b012	6	5	5	127.0	120.2	113.4	1,904.8	1,802.6	1,700.5	15.5	14.7	13.8	20.3	19.2	18.2	-	-	-	-	-	
C1b - LCI New Equipment	Performance Lighting - Interior w/o Controls	E21C1b013	75	45	27	1,498.5	899.1	539.5	22,477.5	13,486.5	8,091.9	183.0	109.8	65.9	240.0	144.0	86.4	-	-	-	-	-	
C1b - LCI New Equipment	Lighting Occupancy Sensors	E21C1b014	5	6	7	6.1	7.3	8.5	60.9	73.1	85.3	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	
C1b - LCI New Equipment	Advanced Power Strip	E21C1b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Air Compressor	E21C1b016	25	33	43	48.5	64.0	83.2	727.7	960.6	1,248.7	11.4	15.1	19.6	13.7	18.0	23.4	-	-	-	-	-	

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1b - LCI New Equipment	Air Nozzle	E21C1b017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Circulator Pump	E21C1b018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Combination Oven, Electric	E21C1b019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Compressor Storage	E21C1b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Convection Oven, Electric	E21C1b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Door Type	E21C1b022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C1b023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C1b024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C1b025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Under Counter	E21C1b026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Door Type	E21C1b027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C1b028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C1b029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Under Counter	E21C1b030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Faucet Aerator, Electric	E21C1b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Fryer Large Vat, Electric	E21C1b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Fryer Standard Vat, Electric	E21C1b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Griddle, Electric	E21C1b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ground Source Heat Pump	E21C1b035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C1b036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet Full Size	E21C1b037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet Half Size	E21C1b038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Ice Making Head	E21C1b039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C1b040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C1b041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Self Contained	E21C1b042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low Pressure Drop Filter	E21C1b043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C1b044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low-Flow Showerhead, Electric	E21C1b045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Pre Rinse Spray Valve, Electric	E21C1b046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Refrigerated Air Dryer	E21C1b047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Steam Cooker, Electric	E21C1b048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Unitary Air Conditioner	E21C1b049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Water Source Heat Pump	E21C1b050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Zero Loss Condensate Drain	E21C1b051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	High Efficiency Chiller - FL	E21C1b052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	High Efficiency Chiller - IPLV	E21C1b053	12	16	21	1,303.2	1,737.6	2,280.6	29,974.0	39,965.3	52,454.4	48.1	64.1	84.1	392.6	523.5	687.1	-	-	-	-	-	-
C1b - LCI New Equipment	C&I Large New Construction Code Compliance	E21C1b057	1	1	1	-	-	131.7	-	-	2,634.5	-	-	20.7	-	-	34.7	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Circulator Control	E21C1c001	35	42	50	13.9	16.6	20.0	277.1	332.6	399.1	0.1	0.2	0.2	2.3	2.7	3.3	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Demand Control Ventilation	E21C1c002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream DMSHP Systems	E21C1c003	10	12	15	10.2	12.2	14.7	122.3	146.8	176.2	-	-	-	2.8	3.3	4.0	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C1c004	8	10	12	26.0	31.2	37.5	260.4	312.5	375.0	-	-	-	11.7	14.1	16.9	-	-	-	-	-	-
C1c - LCI Midstream	Midstream ECM Fan Motors	E21C1c005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Heat Pump Systems	E21C1c006	0	0	0	0.1	0.1	0.1	0.7	0.8	1.0	-	-	-	-	0.0	0.0	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Unitary Air Conditioners	E21C1c007	40	48	57	131.3	157.6	189.1	1,576.1	1,891.3	2,269.6	-	-	-	11.8	14.2	17.0	-	-	-	-	-	-
C1c - LCI Midstream	Midstream VRF	E21C1c008	19	23	27	142.8	171.3	205.6	2,855.3	3,426.3	4,111.6	1.4	1.7	2.1	23.4	28.1	33.7	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Water Source Heat Pump Systems	E21C1c009	32	38	46	18.0	21.6	26.0	216.4	259.6	311.5	-	-	-	4.9	5.8	7.0	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Downlight	E21C1c010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Exterior	E21C1c011	298	238	143	90.7	66.5	36.3	883.3	647.8	353.3	18.1	13.3	7.3	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED High Bay/Low Bay	E21C1c012	1,322	1,058	635	957.9	702.4	383.1	12,030.8	8,822.6	4,812.3	125.8	92.2	50.3	141.3	103.7	56.5	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Linear Fixture	E21C1c013	2,660	2,128	1,277	294.5	215.9	117.8	3,236.1	2,373.2	1,294.5	34.2	25.1	13.7	38.4	28.2	15.4	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Linear Fixture with Controls	E21C1c014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Linear Lamp	E21C1c015	5,447	4,358	2,615	327.3	240.0	130.9	3,446.8	2,527.6	1,378.7	38.0	27.9	15.2	42.7	31.3	17.1	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Screw In	E21C1c016	1,530	1,224	734	111.7	77.1	38.9	524.0	361.8	182.6	14.6	10.1	5.1	15.3	10.5	5.3	-	-	-	-	-	-
C1c - LCI Midstream	Midstream LED Stairwell Kit	E21C1c017	15	12	7	2.4	1.7	0.9	23.5	17.2	9.4	0.3	0.2	0.1	0.4	0.3	0.2	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Combination Oven, Electric	E21C1c018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Convection Oven, Electric	E21C1c019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C1c020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - High Temp Multi Tank Conveyor	E21C1c021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, Utensil	E21C1c022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - High Temp Single Tank Conveyor	E21C1c023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - High Temp Under Counter	E21C1c024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C1c025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Multi Tank Conveyor	E21C1c026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Single Tank Conveyor	E21C1c027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Under Counter	E21C1c028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1c - LCI Midstream	Midstream Freezer - Solid Door	E21C1c029	-	-	-																		
C1c - LCI Midstream	Midstream Freezer -Glass Door	E21C1c030	-	-	-																		
C1c - LCI Midstream	Midstream Fryer Large Vat, Electric	E21C1c031	-	-	-																		
C1c - LCI Midstream	Midstream Fryer Standard Vat, Electric	E21C1c032	-	-	-																		
C1c - LCI Midstream	Midstream Griddle, Electric	E21C1c033	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C1c034	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C1c035	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C1c036	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Ice Making Head	E21C1c037	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Batch	E21C1c038	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Contin	E21C1c039	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Self Contained	E21C1c040	-	-	-																		
C1c - LCI Midstream	Midstream Refrigerator - Glass Door	E21C1c041	-	-	-																		
C1c - LCI Midstream	Midstream Refrigerator - Solid Door	E21C1c042	-	-	-																		
C1c - LCI Midstream	Midstream Steam Cooker, Electric	E21C1c043	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 120 gallons	E21C1c044	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C1c045	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C1c046	-	-	-																		
C1d - LCI Direct Install	Custom Large Compressed Air Direct Install	E21C1d001	-	-	-																		
C1d - LCI Direct Install	Custom Large Hot Water Direct Install	E21C1d002	-	-	-																		
C1d - LCI Direct Install	Custom Large HVAC Direct Install	E21C1d003	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Interior	E21C1d004	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Exterior	E21C1d005	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Controls	E21C1d006	-	-	-																		
C1d - LCI Direct Install	Custom Large Motors Direct Install	E21C1d007	-	-	-																		
C1d - LCI Direct Install	Custom Large Process Direct Install	E21C1d008	-	-	-																		
C1d - LCI Direct Install	Custom Large Refrigeration Direct Install	E21C1d009	-	-	-																		
C1d - LCI Direct Install	Custom Large Other Direct Install	E21C1d010	-	-	-																		
C1d - LCI Direct Install	Daylight Dimming	E21C1d011	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C1d012	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C1d013	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C1d014	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C1d015	-	-	-																		
C1d - LCI Direct Install	Lighting Occupancy Sensors	E21C1d016	-	-	-																		
C1d - LCI Direct Install	Boiler Reset Controls, Electric	E21C1d017	-	-	-																		
C1d - LCI Direct Install	Case Motor Replacement	E21C1d018	-	-	-																		
C1d - LCI Direct Install	Cooler Night Cover	E21C1d019	-	-	-																		
C1d - LCI Direct Install	Demand Control Ventilation	E21C1d020	-	-	-																		
C1d - LCI Direct Install	Door Heater Controls	E21C1d021	-	-	-																		
C1d - LCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C1d022	-	-	-																		
C1d - LCI Direct Install	Duct Sealing, Electric	E21C1d023	-	-	-																		
C1d - LCI Direct Install	Ductless Mini Split Heat Pump	E21C1d024	-	-	-																		
C1d - LCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C1d025	-	-	-																		
C1d - LCI Direct Install	Electronic Defrost Control	E21C1d026	-	-	-																		
C1d - LCI Direct Install	Energy Management System, Electric	E21C1d027	-	-	-																		
C1d - LCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C1d028	-	-	-																		
C1d - LCI Direct Install	Evaporator Fan Control	E21C1d029	-	-	-																		
C1d - LCI Direct Install	Faucet Aerator, Electric	E21C1d030	-	-	-																		
C1d - LCI Direct Install	Hotel Occupancy Sensor	E21C1d031	-	-	-																		
C1d - LCI Direct Install	Low Pressure Drop Filter	E21C1d032	-	-	-																		
C1d - LCI Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C1d033	-	-	-																		
C1d - LCI Direct Install	Low-Flow Showerhead, Electric	E21C1d034	-	-	-																		
C1d - LCI Direct Install	Motors, Open Drip	E21C1d035	-	-	-																		
C1d - LCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C1d036	-	-	-																		
C1d - LCI Direct Install	Novelty Cooler Shutoff	E21C1d037	-	-	-																		
C1d - LCI Direct Install	Pipe Wrap - Heating, Electric	E21C1d038	-	-	-																		
C1d - LCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C1d039	-	-	-																		
C1d - LCI Direct Install	Pre Rinse Spray Valve, Electric	E21C1d040	-	-	-																		
C1d - LCI Direct Install	Programmable Thermostat, Electric	E21C1d041	-	-	-																		
C1d - LCI Direct Install	Steam Trap, Electric	E21C1d042	-	-	-																		
C1d - LCI Direct Install	Variable Frequency Drive	E21C1d043	-	-	-																		
C1d - LCI Direct Install	Variable Frequency Drive with Motor	E21C1d044	-	-	-																		
C1d - LCI Direct Install	Vending Miser	E21C1d045	-	-	-																		
C1d - LCI Direct Install	Zero Loss Condensate Drain	E21C1d046	-	-	-																		
Large Business Energy Solutions Subtotal						51,258.7	67,142.5	89,084.2	694,223.1	906,858.5	1,200,167.0	5,155.2	6,419.2	8,124.2	7,086.6	9,253.1	12,204.9						

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2a - SCI Retrofit	Custom Small Compressed Air Retro	E21C2a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Hot Water Retro	E21C2a002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small HVAC Retro	E21C2a003	1	1	1	150.0	300.0	550.0	1,950.0	3,900.0	7,150.0	12.8	25.5	46.8	10.5	21.0	38.5	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Lighting Retro - Interior	E21C2a004	1	1	1	6,822.4	10,233.6	13,644.8	88,691.2	133,036.8	177,382.4	780.8	1,171.2	1,561.6	1,024.0	1,536.0	2,048.0	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Lighting Retro - Exterior	E21C2a047	1	1	1	718.9	1,078.4	1,437.8	9,345.7	14,018.6	18,691.4	140.0	210.0	280.0	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Lighting Retro - Controls	E21C2a048	1	1	1	640.0	960.0	1,280.0	5,760.0	8,640.0	11,520.0	8.3	12.5	16.6	9.6	14.4	19.2	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Motors Retro	E21C2a005	1	1	1	10.0	15.0	20.0	130.0	195.0	260.0	0.9	1.4	1.8	0.9	1.4	1.8	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Process Retro	E21C2a006	1	1	1	333.3	500.0	666.7	4,333.3	6,500.0	8,666.7	30.0	45.0	60.0	31.7	47.5	63.3	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Refrigeration Retro	E21C2a007	1	1	1	130.0	195.0	292.5	1,690.0	2,535.0	3,802.5	12.9	19.3	29.0	11.7	17.6	26.3	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Other Retro	E21C2a008	1	1	1	200.0	300.0	400.0	2,600.0	3,900.0	5,200.0	10.4	15.6	20.8	9.0	13.5	18.0	-	-	-	-	-	
C2a - SCI Retrofit	Daylight Dimming	E21C2a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C2a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C2a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C2a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C2a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Lighting Occupancy Sensors	E21C2a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Boiler Reset Controls, Electric	E21C2a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Case Motor Replacement	E21C2a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Cooler Night Cover	E21C2a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Demand Control Ventilation	E21C2a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Door Heater Controls	E21C2a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C2a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Duct Sealing, Electric	E21C2a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Ductless Mini Split Heat Pump	E21C2a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C2a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Electronic Defrost Control	E21C2a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Energy Management System, Electric	E21C2a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C2a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Evaporator Fan Control	E21C2a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Faucet Aerator, Electric	E21C2a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Hotel Occupancy Sensor	E21C2a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Low Pressure Drop Filter	E21C2a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C2a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Low-Flow Showerhead, Electric	E21C2a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Motors, Open Drip	E21C2a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C2a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Novelty Cooler Shutoff	E21C2a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Pipe Wrap - Heating, Electric	E21C2a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C2a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Pre Rinse Spray Valve, Electric	E21C2a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Programmable Thermostat, Electric	E21C2a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Steam Trap, Electric	E21C2a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Variable Frequency Drive	E21C2a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Variable Frequency Drive with Motor	E21C2a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Vending Miser	E21C2a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Zero Loss Condensate Drain	E21C2a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Small Retrocommissioning	E21C2a049	1	1	1	19.9	59.6	159.0	59.6	178.9	477.0	1.0	3.1	8.3	0.9	2.7	7.2	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Compressed Air New	E21C2b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Hot Water New	E21C2b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small HVAC New	E21C2b003	1	1	1	1,000.0	1,500.0	2,000.0	15,000.0	22,500.0	30,000.0	59.7	89.5	119.4	154.9	232.3	309.8	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Interior	E21C2b004	1	1	1	2,500.0	2,800.0	2,500.0	37,500.0	42,000.0	37,500.0	305.0	341.6	305.0	400.0	448.0	400.0	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Exterior	E21C2b054	1	1	1	416.7	500.0	500.0	6,250.0	7,500.0	7,500.0	83.3	100.0	100.0	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Controls	E21C2b055	1	1	1	250.0	280.0	250.0	2,250.0	2,520.0	2,250.0	3.3	3.6	3.3	3.8	4.2	3.8	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Motors New	E21C2b005	1	1	1	100.0	200.0	300.0	1,500.0	3,000.0	4,500.0	11.8	23.6	35.4	14.0	28.0	42.0	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Process New	E21C2b006	1	1	1	700.0	1,050.0	1,575.0	10,500.0	15,750.0	23,625.0	45.9	68.9	103.3	96.9	145.4	218.1	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Refrigeration New	E21C2b007	1	1	1	15.0	50.0	85.0	225.0	750.0	1,275.0	1.4	4.6	7.8	1.4	4.6	7.8	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Other New	E21C2b008	1	1	1	200.0	200.0	200.0	3,000.0	3,000.0	3,000.0	25.9	25.9	25.9	28.8	28.8	28.8	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Comprehensive Design	E21C2b056	1	1	1	2,250.0	1,800.0	1,440.0	38,250.0	30,600.0	24,480.0	267.4	214.0	171.2	267.4	214.0	171.2	-	-	-	-	-	
C2b - SCI New Equipment	Daylight Dimming	E21C2b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C2b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Exterior w/o Controls	E21C2b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Interior w/ Controls	E21C2b012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Interior w/o Controls	E21C2b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Lighting Occupancy Sensors	E21C2b014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Advanced Power Strip	E21C2b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Air Compressor	E21C2b016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2b - SCI New Equipment	Air Nozzle	E21C2b017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Circulator Pump	E21C2b018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Combination Oven, Electric	E21C2b019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Compressor Storage	E21C2b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Convection Oven, Electric	E21C2b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - High Temp Door Type	E21C2b022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C2b023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C2b024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C2b025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - High Temp Under Counter	E21C2b026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - Low Temp Door Type	E21C2b027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C2b028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C2b029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Dishwasher - Low Temp Under Counter	E21C2b030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Faucet Aerator, Electric	E21C2b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Fryer Large Vat, Electric	E21C2b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Fryer Standard Vat, Electric	E21C2b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Griddle, Electric	E21C2b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Ground Source Heat Pump	E21C2b035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C2b036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Hot Food Holding Cabinet Full Size	E21C2b037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Hot Food Holding Cabinet Half Size	E21C2b038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Ice Machine - Ice Making Head	E21C2b039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C2b040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C2b041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Ice Machine - Self Contained	E21C2b042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Low Pressure Drop Filter	E21C2b043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C2b044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Low-Flow Showerhead, Electric	E21C2b045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Pre Rinse Spray Valve, Electric	E21C2b046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Refrigerated Air Dryer	E21C2b047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Steam Cooker, Electric	E21C2b048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Unitary Air Conditioner	E21C2b049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Water Source Heat Pump	E21C2b050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Zero Loss Condensate Drain	E21C2b051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	High Efficiency Chiller - FL	E21C2b052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	High Efficiency Chiller - IPLV	E21C2b053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	C&I Small New Construction Code Compliance	E21C2b057	1	1	1	-	-	43.9	-	-	878.2	-	-	6.9	-	-	11.6	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Circulator Pump	E21C2c001	198	238	286	78.5	94.2	113.0	1,569.5	1,883.4	2,260.1	0.8	0.9	1.1	12.9	15.4	18.5	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Demand Control Ventilation	E21C2c002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream DMSHP Systems	E21C2c003	58	70	84	57.7	69.3	83.1	692.8	831.3	997.6	-	-	-	15.6	18.7	22.4	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C2c004	47	56	67	147.5	177.0	212.4	1,474.7	1,769.7	2,123.6	-	-	-	66.4	79.6	95.6	-	-	-	-	-	-
C2c - SCI Midstream	Midstream ECM Fan Motors	E21C2c005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Heat Pump Systems	E21C2c006	0	1	1	0.3	0.4	0.5	3.9	4.7	5.6	-	-	-	0.1	0.1	0.1	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Unitary Air Conditioners	E21C2c007	225	270	324	743.8	892.6	1,071.1	8,925.8	10,711.0	12,853.2	-	-	-	66.9	80.3	96.4	-	-	-	-	-	-
C2c - SCI Midstream	Midstream VRF	E21C2c008	107	128	154	808.5	970.2	1,164.3	16,170.2	19,404.2	23,285.1	8.1	9.7	11.6	132.6	159.1	190.9	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Water Source Heat Pump Systems	E21C2c009	179	215	258	102.1	122.5	147.0	1,225.3	1,470.3	1,764.4	-	-	-	27.6	33.1	39.7	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Downlight	E21C2c010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Exterior	E21C2c011	1,687	1,349	810	513.6	376.6	205.4	5,002.4	3,668.4	2,001.0	102.7	75.3	41.1	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED High Bay/Low Bay	E21C2c012	7,488	5,991	3,594	5,424.7	3,978.1	2,169.9	68,134.0	49,964.9	27,253.6	712.2	522.3	284.9	800.5	587.0	320.2	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Linear Fixture	E21C2c013	15,065	12,052	7,231	1,667.6	1,222.9	667.1	18,327.3	13,440.0	7,330.9	193.5	141.9	77.4	217.5	159.5	87.0	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Linear Fixture with Controls	E21C2c014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Linear Lamp	E21C2c015	30,850	24,680	14,808	1,853.8	1,359.4	741.5	19,520.0	14,314.7	7,808.0	215.1	157.7	86.0	241.8	177.3	96.7	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Screw In	E21C2c016	8,663	6,931	4,158	632.8	436.9	220.5	2,967.8	2,049.0	1,034.3	82.9	57.3	28.9	86.4	59.6	30.1	-	-	-	-	-	-
C2c - SCI Midstream	Midstream LED Stairwell Kit	E21C2c017	86	69	41	13.3	9.8	5.3	133.1	97.6	53.3	1.7	1.2	0.7	2.1	1.6	0.9	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Combination Oven, Electric	E21C2c018	1	2	2	19.2	24.0	28.8	230.5	288.1	345.7	4.0	5.0	6.0	4.0	5.0	6.0	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Convection Oven, Electric	E21C2c019	2	3	4	5.7	7.1	8.5	68.1	85.1	102.1	1.3	1.6	1.9	1.3	1.6	1.9	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C2c020	0	0	0	1.1	1.3	1.6	15.8	19.8	23.8	0.2	0.2	0.3	0.2	0.2	0.3	6.4	8.0	9.6	96.2	120.2	144.3
C2c - SCI Midstream	Midstream Dishwasher - High Temp Multi Tank Conveyor	E21C2c021	0	0	0	0.8	1.0	1.2	16.3	20.4	24.5	0.1	0.2	0.2	0.1	0.2	0.2	4.9	6.2	7.4	98.4	123.0	147.6
C2c - SCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, Utensil	E21C2c022	0	0	0	0.2	0.2	0.3	1.8	2.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.6	1.9	12.9	16.1	19.3
C2c - SCI Midstream	Midstream Dishwasher - High Temp Single Tank Conveyor	E21C2c023	0	0	0	0.4	0.4	0.5	7.2	9.0	10.8	0.1	0.1	0.1	0.1	0.1	0.1	1.3	1.6	1.9	26.0	32.4	38.9
C2c - SCI Midstream	Midstream Dishwasher - High Temp Under Counter	E21C2c024	2	3	4	3.6	4.6	5.5	36.5	45.6	54.7	0.6	0.7	0.9	0.6	0.7	0.9	7.9	9.9	11.9	79.4	99.2	119.1
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C2c025	0	0	0	1.2	1.5	1.8	17.6	22.0	26.4	0.2	0.2	0.3	0.2	0.2	0.3	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Multi Tank Conveyor	E21C2c026	0	0	0	1.4	1.7	2.1	27.4	34.2	41.1	0.2	0.3	0.3	0.2	0.3	0.3	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Single Tank Conveyor	E21C2c027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Under Counter	E21C2c028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2c - SCI Midstream	Midstream Freezer - Solid Door	E21C2c029	34	43	51	6.2	7.8	9.3	74.6	93.2	111.9	23.8	29.7	35.6	23.8	29.7	35.6	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Freezer -Glass Door	E21C2c030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2c - SCI Midstream	Midstream Fryer Large Vat, Electric	E21C2c031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2c - SCI Midstream	Midstream Fryer Standard Vat, Electric	E21C2c032	0	0	0	0.3	0.3	0.4	3.0	3.8	4.5	0.0	0.0	0.1	0.0	0.0	0.1	-	-	-	-	-	
C2c - SCI Midstream	Midstream Griddle, Electric	E21C2c033	0	0	0	0.3	0.4	0.5	4.0	5.0	6.1	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C2c034	0	0	0	0.1	0.1	0.1	1.1	1.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C2c035	1	1	1	2.1	2.6	3.1	25.1	31.3	37.6	0.3	0.4	0.5	0.3	0.4	0.5	-	-	-	-	-	
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C2c036	4	5	6	4.0	5.0	6.0	47.9	59.9	71.9	0.7	0.8	1.0	0.7	0.8	1.0	-	-	-	-	-	
C2c - SCI Midstream	Midstream Ice Machine Ice Making Head	E21C2c037	1	1	1	0.9	1.1	1.3	6.8	8.5	10.2	0.2	0.3	0.3	0.2	0.3	0.3	-	-	-	-	-	
C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Batch	E21C2c038	0	0	0	0.4	0.6	0.7	3.5	4.4	5.3	0.0	0.1	0.1	0.0	0.1	0.1	-	-	-	-	-	
C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Contain	E21C2c039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2c - SCI Midstream	Midstream Ice Machine Self Contained	E21C2c040	0	0	0	0.1	0.2	0.2	1.1	1.4	1.6	0.0	0.1	0.1	0.0	0.1	0.1	-	-	-	-	-	
C2c - SCI Midstream	Midstream Refrigerator - Glass Door	E21C2c041	3	4	5	0.7	0.9	1.1	8.5	10.6	12.7	1.8	2.3	2.7	1.8	2.3	2.7	-	-	-	-	-	
C2c - SCI Midstream	Midstream Refrigerator - Solid Door	E21C2c042	12	15	18	1.8	2.2	2.7	21.5	26.8	32.2	33.1	41.4	49.7	33.1	41.4	49.7	-	-	-	-	-	
C2c - SCI Midstream	Midstream Steam Cooker, Electric	E21C2c043	1	1	1	17.9	22.4	26.9	214.9	268.6	322.3	2.1	2.6	3.1	2.1	2.6	3.1	-	-	-	-	-	
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 120 gallons	E21C2c044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C2c045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C2c046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Compressed Air Direct Install	E21C2d001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Hot Water Direct Install	E21C2d002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small HVAC Direct Install	E21C2d003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Interior	E21C2d004	1	1	1	3,840.0	6,400.0	8,960.0	49,920.0	83,200.0	116,480.0	234.2	390.4	546.6	307.2	512.0	716.8	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Exterior	E21C2d005	1	1	1	270.0	450.0	630.0	3,510.0	5,850.0	8,190.0	27.0	45.0	63.0	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Controls	E21C2d006	1	1	1	384.0	640.0	896.0	3,456.0	5,760.0	8,064.0	5.0	8.3	11.6	5.8	9.6	13.4	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Motors Direct Install	E21C2d007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Process Direct Install	E21C2d008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Refrigeration Direct Install	E21C2d009	1	1	1	150.0	330.0	525.0	1,950.0	4,290.0	6,825.0	14.9	-	-	13.5	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Custom Small Other Direct Install	E21C2d010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Daylight Dimming	E21C2d011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C2d012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C2d013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C2d014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C2d015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Lighting Occupancy Sensors	E21C2d016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Boiler Reset Controls, Electric	E21C2d017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Case Motor Replacement	E21C2d018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Cooler Night Cover	E21C2d019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Demand Control Ventilation	E21C2d020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Door Heater Controls	E21C2d021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C2d022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Duct Sealing, Electric	E21C2d023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Ductless Mini Split Heat Pump	E21C2d024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C2d025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Electronic Defrost Control	E21C2d026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Energy Management System, Electric	E21C2d027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C2d028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Evaporator Fan Control	E21C2d029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Faucet Aerator, Electric	E21C2d030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Hotel Occupancy Sensor	E21C2d031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Low Pressure Drop Filter	E21C2d032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C2d033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Low-Flow Showerhead, Electric	E21C2d034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Motors, Open Drip	E21C2d035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C2d036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Novelty Cooler Shutoff	E21C2d037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Pipe Wrap - Heating, Electric	E21C2d038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C2d039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Pre Rinse Spray Valve, Electric	E21C2d040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Programmable Thermostat, Electric	E21C2d041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Steam Trap, Electric	E21C2d042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Variable Frequency Drive	E21C2d043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Variable Frequency Drive with Motor	E21C2d044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Vending Miser	E21C2d045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2d - SCI Direct Install	Zero Loss Condensate Drain	E21C2d046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Small Business Energy Solutions Subtotal						33,212.7	39,636.8	45,259.2	432,850.9	520,275.1	597,737.5	3,467.7	3,871.4	4,159.1	4,131.1	4,738.4	5,247.4	21.9	27.3	32.8	312.8	391.1	469.3

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3a - Muni Retrofit	Custom Muni Compressed Air Retro	E21C3a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Hot Water Retro	E21C3a002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni HVAC Retro	E21C3a003	1	1	1	235.0	235.0	235.0	4,982.0	4,982.0	4,982.0	20.0	20.0	20.0	16.5	16.5	16.5	3,332.7	3,332.7	3,332.7	70,652.7	70,652.7	70,652.7
C3a - Muni Retrofit	Custom Muni Lighting Retro - Interior	E21C3a004	1	1	1	1,500.0	1,455.0	1,411.4	19,650.0	19,060.5	18,488.7	183.0	177.5	172.2	240.0	232.8	225.8	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Lighting Retro - Exterior	E21C3a091	1	1	1	500.0	485.0	470.5	7,050.0	6,838.5	6,633.3	100.0	97.0	94.1	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Lighting Retro - Controls	E21C3a092	1	1	1	150.0	145.5	141.1	1,350.0	1,309.5	1,270.2	2.0	1.9	1.8	2.3	2.2	2.1	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Motors Retro	E21C3a005	1	1	1	45.0	45.0	45.0	508.5	508.5	508.5	4.1	4.1	4.1	4.1	4.1	4.1	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Process Retro	E21C3a006	1	1	1	225.0	225.0	225.0	2,902.5	2,902.5	2,902.5	20.3	20.3	20.3	21.4	21.4	21.4	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Refrigeration Retro	E21C3a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Custom Muni Other Retro	E21C3a008	1	1	1	95.0	95.0	95.0	1,425.0	1,425.0	1,425.0	12.3	12.3	12.3	13.7	13.7	13.7	-	-	-	-	-	
C3a - Muni Retrofit	Daylight Dimming	E21C3a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Lighting Fixture - Exterior w/ Controls	E21C3a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Lighting Fixture - Exterior w/o Controls	E21C3a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Lighting Fixture - Interior w/ Controls	E21C3a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Lighting Fixture - Interior w/o Controls	E21C3a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Lighting Occupancy Sensors	E21C3a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Air Sealing, Electric	E21C3a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Air Sealing, Gas	E21C3a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Air Sealing, Oil	E21C3a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Air Sealing, Propane	E21C3a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Boiler Reset Controls, Gas	E21C3a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Boiler Reset Controls, Oil	E21C3a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Boiler Reset Controls, Propane	E21C3a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Case Motor Replacement	E21C3a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Cooler Night Cover	E21C3a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Demand Control Ventilation	E21C3a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Door Heater Controls	E21C3a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C3a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Insulation, Electric	E21C3a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Insulation, Gas	E21C3a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Insulation, Oil	E21C3a029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Insulation, Propane	E21C3a030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Sealing, Electric	E21C3a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Sealing, Gas	E21C3a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Sealing, Oil	E21C3a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Duct Sealing, Propane	E21C3a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Ductless Mini Split Heat Pump	E21C3a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C3a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Electronic Defrost Control	E21C3a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Energy Management System, Electric	E21C3a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Electric	E21C3a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Gas	E21C3a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Oil	E21C3a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Propane	E21C3a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Evaporator Fan Control	E21C3a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Faucet Aerator, Electric	E21C3a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Faucet Aerator, Gas	E21C3a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Faucet Aerator, Oil	E21C3a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Faucet Aerator, Propane	E21C3a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Hotel Occupancy Sensor	E21C3a050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Insulation, Electric	E21C3a051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Insulation, Gas	E21C3a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Insulation, Oil	E21C3a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Insulation, Propane	E21C3a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low Pressure Drop Filter	E21C3a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C3a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Propa	E21C3a059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead, Electric	E21C3a060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead, Gas	E21C3a061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead, Oil	E21C3a062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Low-Flow Showerhead, Propane	E21C3a063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Motors, Open Drip	E21C3a064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Motors, Totally Enclosed Fan Cooled	E21C3a065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3a - Muni Retrofit	Novelty Cooler Shutoff	E21C3a066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3a - Muni Retrofit	Pipe Wrap - Heating, Electric	E21C3a067	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Gas	E21C3a068	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Oil	E21C3a069	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Propane	E21C3a070	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Electric	E21C3a071	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Gas	E21C3a072	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Oil	E21C3a073	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Propane	E21C3a074	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Electric	E21C3a075	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Gas	E21C3a076	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Oil	E21C3a077	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Propane	E21C3a078	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Electric	E21C3a079	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Gas	E21C3a080	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Oil	E21C3a081	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Propane	E21C3a082	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Electric	E21C3a083	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Gas	E21C3a084	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Oil	E21C3a085	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Propane	E21C3a086	-	-	-																		
C3a - Muni Retrofit	Variable Frequency Drive	E21C3a087	-	-	-																		
C3a - Muni Retrofit	Variable Frequency Drive with Motor	E21C3a088	-	-	-																		
C3a - Muni Retrofit	Vending Miser	E21C3a089	-	-	-																		
C3a - Muni Retrofit	Zero Loss Condensate Drain	E21C3a090	-	-	-																		
C3b - Muni New Equipment	Custom Muni Compressed Air New	E21C3b001	-	-	-																		
C3b - Muni New Equipment	Custom Muni Hot Water New	E21C3b002	-	-	-																		
C3b - Muni New Equipment	Custom Muni HVAC New	E21C3b003	-	-	-																		
C3b - Muni New Equipment	Custom Muni Lighting New - Interior	E21C3b004	-	-	-																		
C3b - Muni New Equipment	Custom Muni Lighting New - Exterior	E21C3b005	-	-	-																		
C3b - Muni New Equipment	Custom Muni Lighting New - Controls	E21C3b006	-	-	-																		
C3b - Muni New Equipment	Custom Muni Motors New	E21C3b005	-	-	-																		
C3b - Muni New Equipment	Custom Muni Process New	E21C3b006	-	-	-																		
C3b - Muni New Equipment	Custom Muni Refrigeration New	E21C3b007	-	-	-																		
C3b - Muni New Equipment	Custom Muni Other New	E21C3b008	-	-	-																		
C3b - Muni New Equipment	Custom Muni Comprehensive Design	E21C3b007	-	-	-																		
C3b - Muni New Equipment	Daylight Dimming	E21C3b009	-	-	-																		
C3b - Muni New Equipment	Performance Lighting - Exterior w/ Controls	E21C3b010	-	-	-																		
C3b - Muni New Equipment	Performance Lighting - Exterior w/o Controls	E21C3b011	-	-	-																		
C3b - Muni New Equipment	Performance Lighting - Interior w/ Controls	E21C3b012	-	-	-																		
C3b - Muni New Equipment	Performance Lighting - Interior w/o Controls	E21C3b013	-	-	-																		
C3b - Muni New Equipment	Lighting Occupancy Sensors	E21C3b014	-	-	-																		
C3b - Muni New Equipment	Advanced Power Strip	E21C3b015	-	-	-																		
C3b - Muni New Equipment	Air Compressor	E21C3b016	-	-	-																		
C3b - Muni New Equipment	Air Nozzle	E21C3b017	-	-	-																		
C3b - Muni New Equipment	Boiler 1000 to 1700 MBH 90 AFUE, Oil	E21C3b018	-	-	-																		
C3b - Muni New Equipment	Boiler 1000 to 1700 MBH 90 AFUE, Propane	E21C3b019	-	-	-																		
C3b - Muni New Equipment	Boiler 1701 to 2000 MBH 85 AFUE, Oil	E21C3b020	-	-	-																		
C3b - Muni New Equipment	Boiler 1701 to 2000 MBH 90 AFUE, Propane	E21C3b021	-	-	-																		
C3b - Muni New Equipment	Boiler 301 to 499 MBH 85 AFUE, Oil	E21C3b022	-	-	-																		
C3b - Muni New Equipment	Boiler 301 to 499 MBH 90 AFUE, Propane	E21C3b023	-	-	-																		
C3b - Muni New Equipment	Boiler 500 to 999 MBH 85 AFUE, Oil	E21C3b024	-	-	-																		
C3b - Muni New Equipment	Boiler 500 to 999 MBH 90 AFUE, Propane	E21C3b025	-	-	-																		
C3b - Muni New Equipment	Boiler to 300 MBH 85 AFUE, Oil	E21C3b026	-	-	-																		
C3b - Muni New Equipment	Boiler to 300 MBH 87 AFUE, Oil	E21C3b027	-	-	-																		
C3b - Muni New Equipment	Boiler to 300 MBH 90 AFUE, Propane	E21C3b028	-	-	-																		
C3b - Muni New Equipment	Boiler to 300 MBH 95 AFUE, Propane	E21C3b029	-	-	-																		
C3b - Muni New Equipment	Circulator Pump	E21C3b030	-	-	-																		
C3b - Muni New Equipment	Combination Oven, Electric	E21C3b031	-	-	-																		
C3b - Muni New Equipment	Compressor Storage	E21C3b032	-	-	-																		
C3b - Muni New Equipment	Condensing Unit Heater up to 300 MBH, Oil	E21C3b033	-	-	-																		
C3b - Muni New Equipment	Condensing Unit Heater up to 300 MBH, Propane	E21C3b034	-	-	-																		
C3b - Muni New Equipment	Convection Oven, Electric	E21C3b035	-	-	-																		
C3b - Muni New Equipment	Dishwasher - High Temp Door Type	E21C3b036	-	-	-																		
C3b - Muni New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C3b037	-	-	-																		
C3b - Muni New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C3b038	-	-	-																		
C3b - Muni New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C3b039	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3b - Muni New Equipment	Dishwasher - High Temp Under Counter	E21C3b040	-	-	-																		
C3b - Muni New Equipment	Dishwasher - Low Temp Door Type	E21C3b041	-	-	-																		
C3b - Muni New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C3b042	-	-	-																		
C3b - Muni New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C3b043	-	-	-																		
C3b - Muni New Equipment	Dishwasher - Low Temp Under Counter	E21C3b044	-	-	-																		
C3b - Muni New Equipment	Faucet Aerator, Electric	E21C3b045	-	-	-																		
C3b - Muni New Equipment	Faucet Aerator, Gas	E21C3b046	-	-	-																		
C3b - Muni New Equipment	Faucet Aerator, Oil	E21C3b047	-	-	-																		
C3b - Muni New Equipment	Faucet Aerator, Propane	E21C3b048	-	-	-																		
C3b - Muni New Equipment	Fryer Large Vat, Electric	E21C3b049	-	-	-																		
C3b - Muni New Equipment	Fryer Standard Vat, Electric	E21C3b050	-	-	-																		
C3b - Muni New Equipment	Furnace w/ ECM 85 AFUE up to 150 MBH, Oil	E21C3b051	-	-	-																		
C3b - Muni New Equipment	Furnace w/ ECM 87 AFUE up to 150 MBH, Oil	E21C3b052	-	-	-																		
C3b - Muni New Equipment	Furnace w/ ECM 95 AFUE up to 150 MBH, Propane	E21C3b053	-	-	-																		
C3b - Muni New Equipment	Furnace w/ ECM 97 AFUE up to 150 MBH, Propane	E21C3b054	-	-	-																		
C3b - Muni New Equipment	Griddle, Electric	E21C3b055	-	-	-																		
C3b - Muni New Equipment	Ground Source Heat Pump	E21C3b056	-	-	-																		
C3b - Muni New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C3b057	-	-	-																		
C3b - Muni New Equipment	Hot Food Holding Cabinet Full Size	E21C3b058	-	-	-																		
C3b - Muni New Equipment	Hot Food Holding Cabinet Half Size	E21C3b059	-	-	-																		
C3b - Muni New Equipment	Ice Machine - Ice Making Head	E21C3b060	-	-	-																		
C3b - Muni New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C3b061	-	-	-																		
C3b - Muni New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C3b062	-	-	-																		
C3b - Muni New Equipment	Ice Machine - Self Contained	E21C3b063	-	-	-																		
C3b - Muni New Equipment	Infrared Heater	E21C3b064	-	-	-																		
C3b - Muni New Equipment	Low Pressure Drop Filter	E21C3b065	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C3b066	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3b067	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3b068	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead With Thermostatic Valve, Propane	E21C3b069	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead, Electric	E21C3b070	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead, Gas	E21C3b071	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead, Oil	E21C3b072	-	-	-																		
C3b - Muni New Equipment	Low-Flow Showerhead, Propane	E21C3b073	-	-	-																		
C3b - Muni New Equipment	Pre Rinse Spray Valve, Electric	E21C3b074	-	-	-																		
C3b - Muni New Equipment	Pre Rinse Spray Valve, Gas	E21C3b075	-	-	-																		
C3b - Muni New Equipment	Pre Rinse Spray Valve, Oil	E21C3b076	-	-	-																		
C3b - Muni New Equipment	Pre Rinse Spray Valve, Propane	E21C3b077	-	-	-																		
C3b - Muni New Equipment	Refrigerated Air Dryer	E21C3b078	-	-	-																		
C3b - Muni New Equipment	Steam Cooker, Electric	E21C3b079	-	-	-																		
C3b - Muni New Equipment	Unitary Air Conditioner	E21C3b080	-	-	-																		
C3b - Muni New Equipment	Water Source Heat Pump	E21C3b081	-	-	-																		
C3b - Muni New Equipment	Zero Loss Condensate Drain	E21C3b082	-	-	-																		
C3b - Muni New Equipment	High Efficiency Chiller - FL	E21C3b083	-	-	-																		
C3b - Muni New Equipment	High Efficiency Chiller - IPLV	E21C3b084	-	-	-																		
C3d - Muni Direct Install	Custom Muni Compressed Air Direct Install	E21C3d001	-	-	-																		
C3d - Muni Direct Install	Custom Muni Hot Water Direct Install	E21C3d002	-	-	-																		
C3d - Muni Direct Install	Custom Muni HVAC Direct Install	E21C3d003	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Interior	E21C3d004	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Exterior	E21C3d005	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Controls	E21C3d006	-	-	-																		
C3d - Muni Direct Install	Custom Muni Motors Direct Install	E21C3d007	-	-	-																		
C3d - Muni Direct Install	Custom Muni Process Direct Install	E21C3d008	-	-	-																		
C3d - Muni Direct Install	Custom Muni Refrigeration Direct Install	E21C3d009	-	-	-																		
C3d - Muni Direct Install	Custom Muni Other Direct Install	E21C3d010	-	-	-																		
C3d - Muni Direct Install	Daylight Dimming	E21C3d011	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Exterior w/ Controls	E21C3d012	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Exterior w/o Controls	E21C3d013	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Interior w/ Controls	E21C3d014	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Interior w/o Controls	E21C3d015	-	-	-																		
C3d - Muni Direct Install	Lighting Occupancy Sensors	E21C3d016	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Electric	E21C3d017	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Gas	E21C3d018	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Oil	E21C3d019	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Propane	E21C3d020	-	-	-																		
C3d - Muni Direct Install	Boiler Reset Controls, Gas	E21C3d021	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3d - Muni Direct Install	Boiler Reset Controls, Oil	E21C3d022	-	-	-																		
C3d - Muni Direct Install	Boiler Reset Controls, Propane	E21C3d023	-	-	-																		
C3d - Muni Direct Install	Case Motor Replacement	E21C3d024	-	-	-																		
C3d - Muni Direct Install	Cooler Night Cover	E21C3d025	-	-	-																		
C3d - Muni Direct Install	Demand Control Ventilation	E21C3d026	-	-	-																		
C3d - Muni Direct Install	Door Heater Controls	E21C3d027	-	-	-																		
C3d - Muni Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C3d028	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Electric	E21C3d029	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Gas	E21C3d030	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Oil	E21C3d031	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Propane	E21C3d032	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Electric	E21C3d033	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Gas	E21C3d034	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Oil	E21C3d035	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Propane	E21C3d036	-	-	-																		
C3d - Muni Direct Install	Ductless Mini Split Heat Pump	E21C3d037	-	-	-																		
C3d - Muni Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freezer	E21C3d038	-	-	-																		
C3d - Muni Direct Install	Electronic Defrost Control	E21C3d039	-	-	-																		
C3d - Muni Direct Install	Energy Management System, Electric	E21C3d040	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Electric	E21C3d041	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Gas	E21C3d042	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Oil	E21C3d043	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Propane	E21C3d044	-	-	-																		
C3d - Muni Direct Install	Evaporator Fan Control	E21C3d045	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Electric	E21C3d046	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Gas	E21C3d047	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Oil	E21C3d048	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Propane	E21C3d049	-	-	-																		
C3d - Muni Direct Install	Hotel Occupancy Sensor	E21C3d050	-	-	-																		
C3d - Muni Direct Install	Insulation, Electric	E21C3d051	-	-	-																		
C3d - Muni Direct Install	Insulation, Gas	E21C3d052	-	-	-																		
C3d - Muni Direct Install	Insulation, Oil	E21C3d053	-	-	-																		
C3d - Muni Direct Install	Insulation, Propane	E21C3d054	-	-	-																		
C3d - Muni Direct Install	Low Pressure Drop Filter	E21C3d055	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C3d056	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3d057	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3d058	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Propane	E21C3d059	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Electric	E21C3d060	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Gas	E21C3d061	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Oil	E21C3d062	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Propane	E21C3d063	-	-	-																		
C3d - Muni Direct Install	Motors, Open Drip	E21C3d064	-	-	-																		
C3d - Muni Direct Install	Motors, Totally Enclosed Fan Cooled	E21C3d065	-	-	-																		
C3d - Muni Direct Install	Novelty Cooler Shutoff	E21C3d066	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Electric	E21C3d067	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Gas	E21C3d068	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Oil	E21C3d069	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Propane	E21C3d070	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Electric	E21C3d071	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Gas	E21C3d072	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Oil	E21C3d073	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Propane	E21C3d074	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Electric	E21C3d075	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Gas	E21C3d076	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Oil	E21C3d077	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Propane	E21C3d078	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Electric	E21C3d079	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Gas	E21C3d080	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Oil	E21C3d081	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Propane	E21C3d082	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Electric	E21C3d083	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Gas	E21C3d084	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Oil	E21C3d085	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Propane	E21C3d086	-	-	-																		
C3d - Muni Direct Install	Variable Frequency Drive	E21C3d087	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3d - Muni Direct Install	Variable Frequency Drive with Motor	E21C3d088	-	-	-													-	-	-	-	-	-
C3d - Muni Direct Install	Vending Miser	E21C3d089	-	-	-													-	-	-	-	-	-
C3d - Muni Direct Install	Zero Loss Condensate Drain	E21C3d090	-	-	-													-	-	-	-	-	-
Municipal Energy Solutions Subtotal						2,750.0	2,685.5	2,622.9	37,868.0	37,026.5	36,210.2	341.5	333.0	324.7	297.9	290.6	283.6	3,332.7	3,332.7	3,332.7	70,652.7	70,652.7	70,652.7

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C4a - Energy Rewards RFP	Custom RFP Program Compressed Air	E21C4a001	-	-	-																		
C4a - Energy Rewards RFP	Custom RFP Program Hot Water	E21C4a002	-	-	-																		
C4a - Energy Rewards RFP	Custom RFP Program HVAC	E21C4a003	1	1	1	1,500.0	3,000.0	5,000.0	22,050.0	44,100.0	73,500.0	127.5	255.0	425.0	105.0	210.0	350.0	-	-	-	-	-	-
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Interior	E21C4a004	1	1	1	800.0	1,000.0	1,200.0	10,400.0	13,000.0	15,600.0	97.6	122.0	146.4	128.0	160.0	192.0	-	-	-	-	-	-
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Exterior	E21C4a015	1	1	1	160.0	200.0	240.0	2,080.0	2,600.0	3,120.0	32.0	40.0	48.0	-	-	-	-	-	-	-	-	-
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Controls	E21C4a016	1	1	1	80.0	100.0	120.0	720.0	900.0	1,080.0	1.0	1.3	1.6	1.2	1.5	1.8	-	-	-	-	-	-
C4a - Energy Rewards RFP	Custom RFP Program Motors	E21C4a005	-	-	-																		
C4a - Energy Rewards RFP	Custom RFP Program Process	E21C4a006	1	1	1	2,000.0	3,000.0	4,000.0	24,000.0	36,000.0	48,000.0	180.0	270.0	360.0	190.0	285.0	380.0	-	-	-	-	-	-
C4a - Energy Rewards RFP	Custom RFP Program Refrigeration	E21C4a007	-	-	-																		
C4a - Energy Rewards RFP	Custom RFP Program Other	E21C4a008	-	-	-																		
C4a - Energy Rewards RFP	Daylight Dimming	E21C4a009	-	-	-																		
C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/ Controls	E21C4a010	-	-	-																		
C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/o Controls	E21C4a011	-	-	-																		
C4a - Energy Rewards RFP	Lighting Fixture - Interior w/ Controls	E21C4a012	-	-	-																		
C4a - Energy Rewards RFP	Lighting Fixture - Interior w/o Controls	E21C4a013	-	-	-																		
C4a - Energy Rewards RFP	Lighting Occupancy Sensors	E21C4a014	-	-	-																		
Energy Rewards RFP Subtotal						4,540.0	7,300.0	10,560.0	59,250.0	96,600.0	141,300.0	438.1	688.3	981.0	424.2	656.5	923.8	-	-	-	-	-	-

**PSNH d/b/a Eversource Energy
 2021-2023 System Benefits Charge ("SBC") Calculation
 (\$ in 000's)**

Year	Customer Sector	EE Total Budget	RGGI Revenues	FCM Revenues	Other Revenues	Carryforward with Interest	Current Year Interest	SBC Requirement	Forecasted Distribution (MWH)	SBC Rate EE Portion (cents/kWh)	SBC Rate EAP Portion (cents/kWh)	SBC Rate LBR Portion (cents/kWh)	Total SBC Rate (cents/kWh)
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
2021	Residential	\$ 22,609	\$ 377	\$ 1,558	\$ -	\$ -	\$ 4	\$ 20,673	3,177,552	0.651	0.150	0.065	0.866
2021	C&I	\$ 51,744	\$ 1,532	\$ 3,635	\$ -	\$ -	\$ (7)	\$ 46,577	4,527,763	1.029	0.150	0.091	1.270
2021	Total	\$ 74,353	\$ 1,909	\$ 5,193	\$ -	\$ -	\$ (3)	\$ 67,251	7,705,315	0.873	0.150	0.080	1.103
2022	Residential	\$ 22,416	\$ 363	\$ 1,433	\$ -	\$ (4)	\$ 3	\$ 20,620	3,190,363	0.646	0.150	0.102	0.898
2022	C&I	\$ 71,966	\$ 1,532	\$ 3,344	\$ -	\$ 7	\$ (9)	\$ 67,091	4,480,182	1.498	0.150	0.159	1.807
2022	Total	\$ 94,382	\$ 1,894	\$ 4,777	\$ -	\$ 3	\$ (6)	\$ 87,711	7,670,545	1.143	0.150	0.135	1.428
2023	Residential	\$ 23,282	\$ 348	\$ 1,198	\$ -	\$ (7)	\$ 4	\$ 21,736	3,229,120	0.673	0.150	0.118	0.941
2023	C&I	\$ 95,477	\$ 1,532	\$ 2,796	\$ -	\$ 16	\$ (16)	\$ 91,149	4,420,775	2.062	0.150	0.220	2.432
2023	Total	\$ 118,759	\$ 1,879	\$ 3,994	\$ -	\$ 9	\$ (12)	\$ 112,885	7,649,896	1.476	0.150	0.177	1.803
2021 to 2023	Residential	\$ 68,306	\$ 1,088	\$ 4,189	\$ -	\$ (11)	\$ 11	\$ 63,029					
2021 to 2023	C&I	\$ 219,187	\$ 4,595	\$ 9,775	\$ -	\$ 23	\$ (32)	\$ 204,817					
2021 to 2023	Total	\$ 287,493	\$ 5,682	\$ 13,964	\$ -	\$ 12	\$ (21)	\$ 267,847					

Col. A: Effective year (January 1 - December 31)
 Col. B: Customer Sector
 Col. C: Company Forecast *Excludes Current Year Interest
 Col. D: Company Forecast
 Col. E: Company Forecast
 Col. F: Company Forecast
 Col. G: Pages 3, 4, 5, 6 Line 9 Col. N + Line 11 Col. O
 Col. H: Pages 3, 4, 5, 6, 7, 8, Line 11, Col. O
 Col. I: Col. C - Col. D - Col. E - Col. F
 Col. J: Company Forecast
 Col. K: (Col. I / Col. J) x 100
 Col. L: EAP Portion of SBC Rate
 Col. M: Page 9, Col. H
 Col. N: Col. K + Col. L + Col. M

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation
January 1, 2020 to December 31, 2020
 (\$ in 000's)

Line	Description	Carryover 12/31/2019	Actual Jan 2020	Actual Feb 2020	Actual Mar 2020	Actual Apr 2020	Actual May 2020	Actual Jun 2020	Actual Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	2020 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	SBC Revenues		3,031	3,451	3,153	3,118	2,956	3,180	3,938	3,804	3,210	3,213	3,190	3,587	39,829
2	RGGI Revenues		-	-	-	-	462	599	(25)	-	173	-	-	173	1,382
3	FCM Revenues		436	454	449	448	443	446	520	528	528	528	528	528	5,834
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		3,468	3,905	3,602	3,565	3,861	4,226	4,432	4,331	3,911	3,741	3,718	4,287	47,045
6	Program Expenses		997	1,800	3,578	1,251	2,158	2,687	1,873	6,633	6,633	6,633	6,633	6,633	47,508
7	Total Program Expenses		997	1,800	3,578	1,251	2,158	2,687	1,873	6,633	6,633	6,633	6,633	6,633	47,508
8	Current Month (Over)/Under Recovery		(2,470)	(2,105)	(24)	(2,314)	(1,702)	(1,539)	(2,559)	2,302	2,722	2,892	2,915	2,346	
9	Cumulative (Over)/Under Recovery	(1,735)	(4,205)	(6,310)	(6,334)	(8,648)	(10,351)	(11,890)	(14,449)	(12,148)	(9,425)	(6,533)	(3,618)	(1,272)	
10	Interest @ Prime Rate		0.3958%	0.3958%	0.3150%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		(12)	(21)	(20)	(20)	(26)	(30)	(36)	(36)	(29)	(22)	(14)	(7)	(271)
12	Monthly Sales (MWh)		690,301	653,598	596,912	590,377	562,797	601,793	745,552	720,362	608,001	608,508	604,191	679,307	7,661,698
13	EE SBC Rate (cents/kWh)		0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	

Line 1: Actual = Company records, Forecast = (Line 12 x Line 13) / 100
 Line 2: Company Records
 Line 3: Company Records
 Line 4: Company Records
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Company Records
 Line 7: Sum of Line 6
 Line 8: Line 5 - Line 7
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate / 12
 Line 11: (Prior Month Line 9 + Current Month Line 9) / 2 x Line 10
 Line 12: Company Forecast
 Line 13: Approved Rate in DE 17-136, 2020 Update

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (Residential)
January 1, 2021 to December 31, 2021
(\$ in 000's)

Line	Description	Carryover 12/31/2020	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast June 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	2021 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	SBC Revenues		2,175	1,742	1,758	1,511	1,401	1,586	2,039	1,942	1,486	1,435	1,579	2,020	20,673
2	RGGI Revenues		-	-	94	-	-	94	-	-	94	-	-	94	377
3	FCM Revenues		130	130	130	130	130	130	130	130	130	130	130	130	1,558
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		2,305	1,872	1,982	1,640	1,531	1,810	2,169	2,072	1,710	1,565	1,709	2,244	22,609
6	Program Expenses		1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	22,609
7	Total Program Expenses		1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	1,884	22,609
8	Current Month (Over)/Under Recovery		(421)	12	(98)	244	353	74	(284)	(188)	174	319	175	(360)	
9	Cumulative (Over)/Under Recovery	-	(421)	(409)	(506)	(263)	90	164	(120)	(309)	(134)	185	360	(0)	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		(1)	(1)	(1)	(1)	(0)	0	0	(1)	(1)	0	1	0	(4)
12	Monthly Sales (MWh)		334,360	267,732	270,141	232,183	215,344	243,792	313,357	298,549	228,360	220,538	242,749	310,450	3,177,552
13	EE SBC Rate (Residential) (cents/kWh)		0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	0.651	

Line 1: (Line 12 x Line 13) / 100
 Line 2: Page 1, Col. D
 Line 3: Page 1, Col. E
 Line 4: Page 1, Col. F
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Page 1, Col. C
 Line 7: Sum of Line 6
 Line 8: Line 5 - Line 7
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate / 12
 Line 11: (Prior Month Line 9 + Current Month Line 9) / 2 x Line 10
 Line 12: Company Forecast
 Line 13: Page 1, Col. K

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (C&I)
January 1, 2021 to December 31, 2021
 (\$ in 000's)

Line	Description	Carryover 12/31/2020	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast June 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	2021 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	SBC Revenues		3,841	3,594	3,884	3,596	3,857	4,073	4,312	4,294	3,870	3,876	3,641	3,739	46,577
2	RGGI Revenues		-	-	383	-	-	383	-	-	383	-	-	383	1,532
3	FCM Revenues		303	303	303	303	303	303	303	303	303	303	303	303	3,635
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		4,144	3,897	4,569	3,899	4,160	4,759	4,615	4,597	4,556	4,179	3,944	4,424	51,744
6	Program Expenses		4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	51,744
7	Total Program Expenses		4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	4,312	51,744
8	Current Month (Over)/Under Recovery		168	415	(257)	413	152	(447)	(303)	(285)	(244)	133	368	(112)	
9	Cumulative (Over)/Under Recovery	-	168	583	325	739	891	444	141	(144)	(389)	(256)	112	(0)	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		0	1	1	1	2	2	1	(0)	(1)	(1)	(0)	0	7
12	Monthly Sales (MWh)		373,417	349,368	377,530	349,541	374,957	395,911	419,204	417,437	376,237	376,790	353,943	363,427	4,527,763
13	EE SBC Rate (C&I) (cents/kWh)		1.029	1.029	1.029	1.029	1.029	1.029	1.029	1.029	1.029	1.029	1.029	1.029	

Line 1: (Line 12 x Line 13) / 100
 Line 2: Page 1, Col. D
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 Line 12: Company Forecast
 Line 13: Page 1, Col. K

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (Residential)
January 1, 2022 to December 31, 2022
(\$ in 000's)

Line	Description	Carryover 12/31/2021	Forecast Jan 2022	Forecast Feb 2022	Forecast Mar 2022	Forecast Apr 2022	Forecast May 2022	Forecast June 2022	Forecast Jul 2022	Forecast Aug 2022	Forecast Sep 2022	Forecast Oct 2022	Forecast Nov 2022	Forecast Dec 2022	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	SBC Revenues		2,163	1,731	1,748	1,503	1,392	1,579	2,034	1,940	1,486	1,438	1,583	2,023	20,620
2	RGGI Revenues		-	-	91	-	-	91	-	-	91	-	-	91	363
3	FCM Revenues		119	119	119	119	119	119	119	119	119	119	119	119	1,433
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		2,282	1,851	1,958	1,622	1,512	1,789	2,153	2,059	1,696	1,558	1,702	2,233	22,416
6	Program Expenses		1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	22,416
7	Total Program Expenses		1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	22,416
8	Current Month (Over)/Under Recovery		(414)	17	(90)	246	356	79	(285)	(191)	172	310	166	(366)	
9	Cumulative (Over)/Under Recovery	(4)	(418)	(401)	(491)	(245)	111	190	(95)	(286)	(114)	196	362	(4)	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		(1)	(1)	(1)	(1)	(0)	0	0	(1)	(1)	0	1	0	(3)
12	Monthly Sales (MWh)		334,664	267,849	270,411	232,542	215,388	244,337	314,651	300,108	229,943	222,517	244,887	313,066	3,190,363
13	EE SBC Rate (Residential) (cents/kWh)		0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	

Line 1: (Line 12 x Line 13) / 100
 Line 2: Page 1, Col. D
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 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate / 12
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 Line 13: Page 1, Col. K

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (C&I)
January 1, 2022 to December 31, 2022
 (\$ in 000's)

Line	Description	Carryover 12/31/2021	Forecast Jan 2022	Forecast Feb 2022	Forecast Mar 2022	Forecast Apr 2022	Forecast May 2022	Forecast June 2022	Forecast Jul 2022	Forecast Aug 2022	Forecast Sep 2022	Forecast Oct 2022	Forecast Nov 2022	Forecast Dec 2022	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	SBC Revenues		5,495	5,154	5,573	5,295	5,578	5,839	6,192	6,162	5,578	5,582	5,254	5,388	67,091
2	RGGI Revenues		-	-	383	-	-	383	-	-	383	-	-	383	1,532
3	FCM Revenues		279	279	279	279	279	279	279	279	279	279	279	279	3,344
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		5,774	5,432	6,235	5,574	5,856	6,501	6,470	6,441	6,240	5,860	5,533	6,050	71,966
6	Program Expenses		5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	71,966
7	Total Program Expenses		5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	5,997	71,966
8	Current Month (Over)/Under Recovery		223	565	(238)	423	141	(504)	(473)	(443)	(242)	137	464	(53)	
9	Cumulative (Over)/Under Recovery	7	230	795	558	981	1,122	618	145	(299)	(541)	(404)	60	7	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		0	1	2	2	3	2	1	(0)	(1)	(1)	(0)	0	9
12	Monthly Sales (MWh)		366,976	344,140	372,167	353,613	372,470	389,948	413,462	411,476	372,492	372,738	350,877	359,824	4,480,182
13	EE SBC Rate (C&I) (cents/kWh)		1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	

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 Line 13: Page 1, Col. K

PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (Residential)
January 1, 2023 to December 31, 2023
(\$ in 000's)

Line	Description	Carryover 12/31/2022	Forecast Jan 2023	Forecast Feb 2023	Forecast Mar 2023	Forecast Apr 2023	Forecast May 2023	Forecast June 2023	Forecast Jul 2023	Forecast Aug 2023	Forecast Sep 2023	Forecast Oct 2023	Forecast Nov 2023	Forecast Dec 2023	2023 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	SBC Revenues		2,275	1,824	1,842	1,586	1,471	1,667	2,143	2,044	1,569	1,518	1,667	2,127	21,736
2	RGGI Revenues		-	-	87	-	-	87	-	-	87	-	-	87	348
3	FCM Revenues		100	100	100	100	100	100	100	100	100	100	100	100	1,198
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		2,375	1,924	2,029	1,686	1,571	1,854	2,243	2,144	1,756	1,618	1,767	2,314	23,282
6	Program Expenses		1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	23,282
7	Total Program Expenses		1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	23,282
8	Current Month (Over)/Under Recovery		(435)	16	(88)	254	369	86	(303)	(204)	184	322	173	(374)	
9	Cumulative (Over)/Under Recovery	(7)	(442)	(426)	(515)	(260)	109	195	(108)	(312)	(128)	194	367	(7)	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		(1)	(1)	(1)	(1)	(0)	0	0	(1)	(1)	0	1	0	(4)
12	Monthly Sales (MWh)		338,049	271,022	273,618	235,598	218,586	247,710	318,408	303,703	233,090	225,571	247,718	316,047	3,229,120
13	EE SBC Rate (Residential) (cents/kWh)		0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	

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PSNH d/b/a Eversource Energy
Energy Efficiency Expense & SBC Revenue Reconciliation (C&I)
January 1, 2023 to December 31, 2023
(\$ in 000's)

Line	Description	Carryover 12/31/2022	Forecast Jan 2023	Forecast Feb 2023	Forecast Mar 2023	Forecast Apr 2023	Forecast May 2023	Forecast June 2023	Forecast Jul 2023	Forecast Aug 2023	Forecast Sep 2023	Forecast Oct 2023	Forecast Nov 2023	Forecast Dec 2023	2023 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	SBC Revenues		7,448	6,989	7,564	7,028	7,514	7,928	8,404	8,357	7,594	7,778	7,205	7,340	91,149
2	RGGI Revenues		-	-	383	-	-	383	-	-	383	-	-	383	1,532
3	FCM Revenues		233	233	233	233	233	233	233	233	233	233	233	233	2,796
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		7,681	7,222	8,180	7,261	7,747	8,544	8,637	8,590	8,210	8,011	7,438	7,956	95,477
6	Program Expenses		7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	95,477
7	Total Program Expenses		7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	7,956	95,477
8	Current Month (Over)/Under Recovery		275	735	(223)	695	209	(588)	(680)	(634)	(253)	(54)	518	0	
9	Cumulative (Over)/Under Recovery	16	291	1,026	803	1,498	1,707	1,119	439	(195)	(448)	(503)	16	16	
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		0	2	2	3	4	4	2	0	(1)	(1)	(1)	0	16
12	Monthly Sales (MWh)		361,233	338,955	366,843	340,860	364,454	384,520	407,592	405,323	368,308	377,229	349,459	355,999	4,420,775
13	EE SBC Rate (C&I) (cents/kWh)		2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	

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**PSNH d/b/a Eversource Energy
 2021-2023 System Benefits Charge Calculation (LBR Component)
 (\$ in 000's)**

Year	Customer Sector	Forecasted LBR Revenue	Prior Year Deferral with Interest	Current Year Interest	Total LBR Revenue	Forecasted Distribution (MWH)	SBC Rate LBR Portion (cents/kWh)
Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H
2021	Residential	\$ 2,684	\$ (621)	\$ (12)	\$ 2,051	3,177,552	0.065
2021	C&I	\$ 5,030	\$ (885)	\$ (19)	\$ 4,127	4,527,763	0.091
2021	Total	\$ 7,714	\$ (1,505)	\$ (31)	\$ 6,178	7,705,315	0.080
2022	Residential	\$ 3,260	\$ (1)	\$ (2)	\$ 3,258	3,190,363	0.102
2022	C&I	\$ 7,114	\$ 18	\$ (5)	\$ 7,127	4,480,182	0.159
2022	Total	\$ 10,374	\$ 17	\$ (7)	\$ 10,385	7,670,545	0.135
2023	Residential	\$ 3,808	\$ (0)	\$ (2)	\$ 3,805	3,229,120	0.118
2023	C&I	\$ 9,711	\$ 19	\$ (6)	\$ 9,724	4,420,775	0.220
2023	Total	\$ 13,519	\$ 19	\$ (8)	\$ 13,529	7,649,896	0.177
2021 to 2023	Residential	\$ 9,752	\$ (622)	\$ (17)	\$ 9,114		
2021 to 2023	C&I	\$ 21,855	\$ (848)	\$ (30)	\$ 20,977		
2021 to 2023	Total	\$ 31,607	\$ (1,469)	\$ (46)	\$ 30,091		

Col. A: Effective year (January 1 - December 31)
 Col. B: Customer Sector
 Col. C: Pages 11, 12, 13, Lines 23, 24 Col. O / 1000
 Col. D: Pages 15, 16, 17, 18, 19, 20 Line 4, Col. B
 Col. E: Pages 15, 16, 17, 18, 19, 20, Line 6, Col. O
 Col. F: Col. C + Col. D + Col. E
 Col. G: Company Forecast
 Col. H: (Col. F * 100) / Col. G

PSNH d/b/a Eversource Energy
 Monthly and Cumulative Savings and Lost Base Revenue
 January 1, 2020 to December 31, 2020

Line	Description	Cumulative Annual kWh Savings / Monthly													2020 Annual kWh and Monthly kW Savings	Cumulative Annual kWh Savings / Monthly kW Savings 12/31/2020
		Actual Jan 2020	Actual Feb 2020	Actual Mar 2020	Actual Apr 2020	Actual May 2020	Actual June 2020	Actual Jul 2020	Actual Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020			
1	Residential Annual kWh Savings (2018, 2019, & 2020)	26,234,462	2,699,389	1,344,524	1,945,177	1,875,167	2,545,990	1,805,737	2,908,955	2,250,528	2,250,528	2,250,528	2,250,528	2,250,528	26,377,578	52,194,669
2	C&I Annual kWh Savings (2018)	38,157,478	-	-	-	-	-	-	-	-	-	-	-	-	-	38,157,478
3	C&I Annual kWh Savings (2019 & 2020)	70,845,870	958,116	1,088,643	6,630,329	1,701,819	1,618,721	1,802,612	1,393,340	8,744,315	8,744,315	8,744,315	8,744,315	8,744,315	58,915,156	129,761,027
4	C&I Monthly Installed kW Savings	10,647	189	236	1,071	411	344	365	331	1,362	1,362	1,362	1,362	1,362	9,756	20,403
Total 2020																
5	Monthly Residential Savings (2020)	112,475	56,022	81,049	78,132	106,083	75,239	121,206	93,772	93,772	93,772	93,772	93,772	93,772	1,714,316	
6	Retired Measures	-	3,351	-	-	-	-	4,624	6,174	8,323	889	11,420	-	-	-	
7	Cumulative Residential Savings	2,186,205	2,298,680	2,463,825	2,600,896	2,760,077	2,944,292	3,125,614	3,317,435	3,526,239	3,705,461	3,892,116	4,068,240	4,255,784		
8	Average Residential kWh Distribution Rate (\$/kWh)	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400		
9	Total Lost Residential Revenue	\$ 101,150	\$ 108,417	\$ 114,448	\$ 121,453	\$ 129,559	\$ 137,538	\$ 145,979	\$ 155,167	\$ 163,053	\$ 171,267	\$ 179,017	\$ 187,269	\$ 187,269	\$	1,714,316
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 (\$/kWh)	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798		
12	Lost C&I kWh Revenue	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973		
13	Monthly C&I Savings (2019 & 2020)	39,921	45,360	276,264	70,909	67,447	75,109	58,056	364,346	364,346	364,346	364,346	364,346	364,346		7,899,778
14	Cumulative C&I Savings	5,903,823	5,943,744	6,029,026	6,350,649	6,697,822	6,836,178	6,978,734	7,111,898	7,534,301	8,262,994	8,991,687	9,720,379	10,449,072		8,046,632
15	Average C&I kWh Distribution Rate (\$/kWh)	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121		146,855
16	Lost C&I kWh Revenue	\$ 66,636	\$ 67,592	\$ 71,198	\$ 75,090	\$ 76,641	\$ 78,240	\$ 79,733	\$ 84,468	\$ 92,638	\$ 100,807	\$ 108,977	\$ 117,146	\$ 117,146		
17	Monthly C&I kW Savings (2019)	95	118	535	205	172	182	165	681	681	681	681	681	681		
18	Cumulative Monthly C&I kW Savings	10,647	10,742	10,955	11,608	12,349	12,726	13,080	13,428	14,274	15,636	16,998	18,360	19,722		
19	Average C&I Demand Rate (\$/kW)	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46		
20	Lost C&I Demand Revenue	\$ 69,380	\$ 70,753	\$ 74,973	\$ 79,758	\$ 82,195	\$ 84,483	\$ 86,730	\$ 92,196	\$ 100,993	\$ 109,789	\$ 118,586	\$ 127,383	\$ 127,383		
21	Total Lost C&I kWh and Demand Revenue	\$ 224,989	\$ 227,318	\$ 235,144	\$ 243,821	\$ 247,809	\$ 251,696	\$ 255,435	\$ 265,637	\$ 282,603	\$ 299,569	\$ 316,535	\$ 333,502	\$ 333,502	\$	3,184,060
22	Total Lost Revenue	\$ 326,139	\$ 335,735	\$ 349,592	\$ 365,274	\$ 377,368	\$ 389,234	\$ 401,414	\$ 420,804	\$ 445,656	\$ 470,836	\$ 495,552	\$ 520,771	\$ 520,771	\$	4,898,376

Lines 1-4: Company Actuals and Forecast
 Line 5: Line 1 / 24
 Line 6: Company Actuals and Forecast
 Line 7: Prior Month Line 7 + Current Month Line 5 + Previous Month Line 5 - Current Month Line 6
 Line 8: Page 21, Column 8
 Line 9: Line 7 x Line 8
 Line 10: Line 1, Column B / 12
 Line 11: Page 21, Column 8
 Line 12: Line 10 x Line 11
 Line 13: Line 3 / 24
 Line 14: Prior Month Line 14 + Current Month Line 13
 Line 15: Page 21, Column 7
 Line 16: Line 14 x Line 15
 Line 17: Line 4 / 12
 Line 18: Prior Month Line 18 + Current Month Line 17
 Line 19: Page 21, Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21

PSNH d/b/a Eversource Energy
 Monthly and Cumulative Savings and Lost Base Revenue
 January 1, 2021 to December 31, 2021

Line	Description	Annual kWh Savings / Monthly kW Savings 12/31/2020	Forecast												2021 Annual kWh and Monthly kW Savings	Cumulative Annual kWh Savings / Monthly kW Savings 12/31/2021
			Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021		
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	Residential Annual kWh Savings (2018-2021)	52,194,669	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	1,575,897	18,910,761	69,377,877
2	C&I Annual kWh Savings (2018)	38,157,478	-	-	-	-	-	-	-	-	-	-	-	-	-	38,157,478
3	C&I Annual kWh Savings (2019-2021)	129,761,027	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	7,646,781	91,761,370	221,522,397
4	C&I Monthly Installed kW Savings	20,403	886	886	886	886	886	886	886	886	886	886	886	886	10,638	31,041
			Total 2021													
			Lost Base Revenue													
5	Monthly Residential Savings (2021)		65,662	65,662	65,662	65,662	65,662	65,662	65,662	65,662	65,662	65,662	65,662	65,662		
6	Retired Measures		14,219	-	-	-	29,405	-	-	12,569	-	24,608	24,975	38,188		
7	Cumulative Residential Savings	4,349,556	4,400,999	4,532,324	4,663,649	4,765,569	4,896,894	5,028,218	5,159,543	5,278,299	5,409,624	5,516,341	5,622,691	5,715,827		
8	Average Residential kWh Distribution Rate		0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400		
9	Total Lost Residential Revenue		\$ 193,659	\$ 199,438	\$ 205,217	\$ 209,702	\$ 215,480	\$ 221,259	\$ 227,038	\$ 232,263	\$ 238,042	\$ 242,738	\$ 247,418	\$ 251,516	\$	2,683,770
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		0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798		
12	Lost C&I kWh Revenue		\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973		
13	Monthly C&I Savings (2021)		318,616	318,616	318,616	318,616	318,616	318,616	318,616	318,616	318,616	318,616	318,616	318,616		
14	Cumulative C&I Savings	10,813,419	11,132,035	11,769,266	12,406,498	13,043,730	13,680,962	14,318,193	14,955,425	15,592,657	16,229,889	16,867,120	17,504,352	18,141,584		
15	Average C&I kWh Distribution Rate		0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121		
16	Lost C&I kWh Revenue		\$ 124,803	\$ 131,947	\$ 139,091	\$ 146,235	\$ 153,379	\$ 160,523	\$ 167,668	\$ 174,812	\$ 181,956	\$ 189,100	\$ 196,244	\$ 203,388		
17	Monthly C&I kW Savings (2021)		443	443	443	443	443	443	443	443	443	443	443	443		
18	Cumulative Monthly C&I kW Savings	20,403	20,847	21,733	22,619	23,506	24,392	25,279	26,165	27,052	27,938	28,825	29,711	30,598		
19	Average C&I Demand Rate		6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46		
20	Lost C&I Demand Revenue		\$ 134,644	\$ 140,369	\$ 146,095	\$ 151,820	\$ 157,545	\$ 163,271	\$ 168,996	\$ 174,722	\$ 180,447	\$ 186,173	\$ 191,898	\$ 197,624		
21	Total Lost C&I kWh and Demand Revenue		\$ 348,419	\$ 361,289	\$ 374,159	\$ 387,028	\$ 399,898	\$ 412,767	\$ 425,637	\$ 438,506	\$ 451,376	\$ 464,246	\$ 477,115	\$ 489,985	\$	5,030,425
22	Total Lost Revenue		\$ 542,079	\$ 560,727	\$ 579,375	\$ 596,730	\$ 615,378	\$ 634,026	\$ 652,675	\$ 670,770	\$ 689,418	\$ 706,984	\$ 724,533	\$ 741,501	\$	7,714,195
23	Total Lost Revenue - Res		\$ 193,659	\$ 199,438	\$ 205,217	\$ 209,702	\$ 215,480	\$ 221,259	\$ 227,038	\$ 232,263	\$ 238,042	\$ 242,738	\$ 247,418	\$ 251,516	\$	2,683,770
24	Total Lost Revenue - C&I		\$ 348,419	\$ 361,289	\$ 374,159	\$ 387,028	\$ 399,898	\$ 412,767	\$ 425,637	\$ 438,506	\$ 451,376	\$ 464,246	\$ 477,115	\$ 489,985	\$	5,030,425

Lines 1-4: Company Forecast
 Line 5: Line 1 / 24
 Line 6: Company Forecast
 Line 7: Prior Month Line 7 + Current Month Line 5 + Previous Month Line 5 - Current Month Line 6
 Line 8: Page 21, Column 8
 Line 9: Line 7 x Line 8
 Line 10: Line 1, Column B / 12
 Line 11: Page 21, Column 8
 Line 12: Line 10 x Line 11
 Line 13: Line 3 / 24
 Line 14: Prior Month Line 14 + Current Month Line 13
 Line 15: Page 21, Column 7
 Line 16: Line 14 x Line 15
 Line 17: Line 4 / 12
 Line 18: Prior Month Line 18 + Current Month Line 17
 Line 19: Page 21, Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20

PSNH 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 kW Savings 12/31/2021	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2022 Annual kWh and Monthly kW Savings	Cumulative Annual kWh Savings / Monthly kW Savings 12/31/2022
			Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022			
	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	Residential Annual kWh Savings (2018-2022)	69,377,877	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	1,182,817	14,193,803	79,933,606
2	C&I Annual kWh Savings (2018)	38,157,478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,157,478
3	C&I Annual kWh Savings (2019-2022)	221,522,397	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	9,730,403	116,764,842	338,287,239
4	C&I Monthly Installed kW Savings	31,041	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	12,958	43,999
			Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Total 2020	Lost Base Revenue	
5	Monthly Residential Savings (2022)		49,284	49,284	49,284	49,284	49,284	49,284	49,284	49,284	49,284	49,284	49,284	49,284			
6	Retired Measures		27,546	27,913	34,891	41,502	40,768	35,259	28,280	26,077	28,648	12,288	-	-			
7	Cumulative Residential Savings	5,781,490	5,803,228	5,873,883	5,937,559	5,994,625	6,052,425	6,115,735	6,186,022	6,258,514	6,328,434	6,414,714	6,513,282	6,611,850			
8	Average Residential kWh Distribution Rate		0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400			
9	Total Lost Residential Revenue		\$ 255,362	\$ 258,471	\$ 261,273	\$ 263,784	\$ 266,328	\$ 269,114	\$ 272,206	\$ 275,396	\$ 278,473	\$ 282,270	\$ 286,607	\$ 290,944	\$	3,260,229	
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		0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798			
12	Lost C&I kWh Revenue		\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973			
13	Monthly C&I Savings (2022)		405,433	405,433	405,433	405,433	405,433	405,433	405,433	405,433	405,433	405,433	405,433	405,433			
14	Cumulative C&I Savings	18,460,200	18,865,633	19,676,500	20,487,367	21,298,234	22,109,101	22,919,968	23,730,835	24,541,702	25,352,569	26,163,436	26,974,303	27,785,170			
15	Average C&I kWh Distribution Rate		0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121			
16	Lost C&I kWh Revenue		\$ 211,505	\$ 220,596	\$ 229,687	\$ 238,778	\$ 247,868	\$ 256,959	\$ 266,050	\$ 275,141	\$ 284,232	\$ 293,322	\$ 302,413	\$ 311,504			
17	Monthly C&I kW Savings (2022)		540	540	540	540	540	540	540	540	540	540	540	540			
18	Cumulative Monthly C&I kW Savings	31,041	31,581	32,661	33,740	34,820	35,900	36,980	38,060	39,140	40,219	41,299	42,379	43,459			
19	Average C&I Demand Rate		6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46			
20	Lost C&I Demand Revenue		\$ 203,974	\$ 210,948	\$ 217,923	\$ 224,897	\$ 231,871	\$ 238,846	\$ 245,820	\$ 252,795	\$ 259,769	\$ 266,744	\$ 273,718	\$ 280,693			
21	Total Lost C&I kWh and Demand Revenue		\$ 504,452	\$ 520,517	\$ 536,582	\$ 552,648	\$ 568,713	\$ 584,778	\$ 600,843	\$ 616,909	\$ 632,974	\$ 649,039	\$ 665,104	\$ 681,169	\$	7,113,729	
22	Total Lost Revenue		\$ 759,814	\$ 778,988	\$ 797,856	\$ 816,432	\$ 835,041	\$ 853,892	\$ 873,050	\$ 892,305	\$ 911,447	\$ 931,309	\$ 951,711	\$ 972,114	\$	10,373,957	
23	Total Lost Revenue - Res		\$ 255,362	\$ 258,471	\$ 261,273	\$ 263,784	\$ 266,328	\$ 269,114	\$ 272,206	\$ 275,396	\$ 278,473	\$ 282,270	\$ 286,607	\$ 290,944	\$	3,260,229	
24	Total Lost Revenue - C&I		\$ 504,452	\$ 520,517	\$ 536,582	\$ 552,648	\$ 568,713	\$ 584,778	\$ 600,843	\$ 616,909	\$ 632,974	\$ 649,039	\$ 665,104	\$ 681,169	\$	7,113,729	

*Numbers provided for illustrative purposes only and subject to change.
 Lines 1-4: Company Forecast
 Line 5: Line 1 / 24
 Line 6: Company Forecast
 Line 7: Prior Month Line 7 + Current Month Line 5 + Previous Month Line 5 - Current Month Line 6
 Line 8: Page 21, Column 8
 Line 9: Line 7 x Line 8
 Line 10: Line 1, Column B / 12
 Line 11: Page 21, Column 8
 Line 12: Line 10 x Line 11
 Line 13: Line 3 / 24
 Line 14: Prior Month Line 14 + Current Month Line 13
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 Line 16: Line 14 x Line 15
 Line 17: Line 4 / 12
 Line 18: Prior Month Line 18 + Current Month Line 17
 Line 19: Page 21, Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21
 Line 23: Line 9
 Line 24: Line 21

PSNH d/b/a Eversource Energy
 Monthly and Cumulative Savings and Lost Base Revenue
 January 1, 2023 to December 31, 2023

Line	Description	Cumulative Annual kWh Savings / Monthly kW Savings 12/31/2022	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2023 Annual kWh and Monthly kW Savings	Cumulative Annual kWh Savings / Monthly kW Savings 12/31/2023
			Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023			
1	Residential Annual kWh Savings (2018-2023)	79,933,606	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	1,100,931	13,211,175	93,144,781
2	C&I Annual kWh Savings (2018)	38,157,478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,157,478
3	C&I Annual kWh Savings (2019-2023)	338,287,239	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	12,293,856	147,526,270	485,813,508
4	C&I Monthly Installed kW Savings	43,999	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	1,319	15,822	59,821
Total 2020																	
			Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Lost Base Revenue		
5	Monthly Residential Savings (2023)		45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872	45,872		
6	Retired Measures		-	-	-	-	-	-	-	-	-	-	-	-	-		
7	Cumulative Residential Savings	6,661,134	6,707,006	6,798,750	6,890,495	6,982,239	7,073,983	7,165,727	7,257,472	7,349,216	7,440,960	7,532,704	7,624,449	7,716,193	7,716,193		
8	Average Residential kWh Distribution Rate		0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400	0.04400		
9	Total Lost Residential Revenue		\$ 295,131	\$ 299,169	\$ 303,206	\$ 307,243	\$ 311,280	\$ 315,317	\$ 319,354	\$ 323,391	\$ 327,428	\$ 331,465	\$ 335,502	\$ 339,539	\$ 339,539	\$ 3,808,024	
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	3,179,790		
11	Average C&I kWh Distribution Rate		0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798	0.02798		
12	Lost C&I kWh Revenue		\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973	\$ 88,973		
13	Monthly C&I Savings (2023)		512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244	512,244		
14	Cumulative C&I Savings	28,190,603	28,702,847	29,727,335	30,751,823	31,776,311	32,800,799	33,825,287	34,849,775	35,874,263	36,898,751	37,923,239	38,947,727	39,972,215	39,972,215		
15	Average C&I kWh Distribution Rate		0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121	0.01121		
16	Lost C&I kWh Revenue		\$ 321,792	\$ 333,278	\$ 344,763	\$ 356,249	\$ 367,735	\$ 379,220	\$ 390,706	\$ 402,192	\$ 413,678	\$ 425,163	\$ 436,649	\$ 448,135	\$ 448,135		
17	Monthly C&I kW Savings (2023)		659	659	659	659	659	659	659	659	659	659	659	659	659		
18	Cumulative Monthly C&I kW Savings	43,999	44,658	45,317	45,976	46,635	47,294	47,953	48,612	49,271	49,930	50,589	51,248	51,907	51,907		
19	Average C&I Demand Rate		6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46		
20	Lost C&I Demand Revenue		\$ 288,438	\$ 296,954	\$ 305,470	\$ 313,986	\$ 322,502	\$ 331,019	\$ 339,535	\$ 348,051	\$ 356,567	\$ 365,083	\$ 373,599	\$ 382,115	\$ 382,115		
21	Total Lost C&I kWh and Demand Revenue		\$ 699,203	\$ 719,205	\$ 739,207	\$ 759,208	\$ 779,210	\$ 799,212	\$ 819,214	\$ 839,216	\$ 859,217	\$ 879,219	\$ 899,221	\$ 919,223	\$ 919,223	\$ 9,710,554	
22	Total Lost Revenue		\$ 994,334	\$ 1,018,373	\$ 1,042,412	\$ 1,066,451	\$ 1,090,490	\$ 1,114,529	\$ 1,138,568	\$ 1,162,606	\$ 1,186,645	\$ 1,210,684	\$ 1,234,723	\$ 1,258,762	\$ 1,258,762	\$ 13,518,578	
23	Total Lost Revenue - Res		\$ 295,131	\$ 299,169	\$ 303,206	\$ 307,243	\$ 311,280	\$ 315,317	\$ 319,354	\$ 323,391	\$ 327,428	\$ 331,465	\$ 335,502	\$ 339,539	\$ 339,539	\$ 3,808,024	
24	Total Lost Revenue - C&I		\$ 699,203	\$ 719,205	\$ 739,207	\$ 759,208	\$ 779,210	\$ 799,212	\$ 819,214	\$ 839,216	\$ 859,217	\$ 879,219	\$ 899,221	\$ 919,223	\$ 919,223	\$ 9,710,554	

*Numbers provided for illustrative purposes only and subject to change.
 Lines 1-4: Company Forecast
 Line 5: Line 1 / 24
 Line 6: Company Forecast
 Line 7: Prior Month Line 7 + Current Month Line 5 + Previous Month Line 5 - Current Month Line 6
 Line 8: Page 21, Column 8
 Line 9: Line 7 x Line 8
 Line 10: Line 1, Column B / 12
 Line 11: Page 21, Column 8
 Line 12: Line 10 x Line 11
 Line 13: Line 3 / 24
 Line 14: Prior Month Line 14 + Current Month Line 13
 Line 15: Page 21, Column 7
 Line 16: Line 14 x Line 15
 Line 17: Line 4 / 12
 Line 18: Prior Month Line 18 + Current Month Line 17
 Line 19: Page 21, Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21
 Line 23: Line 9
 Line 24: Line 21

**PSNH d/b/a Eversource Energy
 Lost Base Revenue Reconciliation
 January 1, 2020 to December 31, 2020
 (\$ in 000's)**

Line	Description	Actual Carryover 12/31/2019	Actual Jan 2020	Actual Feb 2020	Actual Mar 2020	Actual Apr 2020	Actual May 2020	Actual Jun 2020	Actual Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	2020 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	Revenue Recovery		449	425	388	384	366	391	485	468	395	396	393	442	4,980
2	Lost Revenues		326	336	350	365	377	389	401	421	446	471	496	521	4,898
3	Current Month (Over)/Under Recovery		(123)	(89)	(38)	(18)	12	(2)	(83)	(47)	50	75	103	79	(82)
4	Cumulative (Over)/Under Recovery	(1,367)	(1,490)	(1,579)	(1,617)	(1,636)	(1,624)	(1,626)	(1,709)	(1,757)	(1,706)	(1,631)	(1,528)	(1,449)	
5	Interest @ Prime Rate		0.3958%	0.3958%	0.3150%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(6)	(6)	(5)	(4)	(4)	(4)	(5)	(5)	(5)	(5)	(4)	(4)	(57)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		(1,495)	(1,590)	(1,634)	(1,657)	(1,650)	(1,656)	(1,744)	(1,796)	(1,750)	(1,679)	(1,581)	(1,505)	
8	Monthly Sales (MWh)		690,301	653,598	596,912	590,377	562,797	601,793	745,552	720,362	608,001	608,508	604,191	679,307	7,661,698
9	SBC Rate (LBR Component) (cents/kWh)		0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	

Line 1: (Line 8 x Line 9) / 100
 Line 2: Page 10, 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 and Forecast
 Line 9: Approved Rates

PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - Residential
January 1, 2021 to December 31, 2021
(\$ in 000's)

Line	Description	Forecast Carryover 12/31/2020	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast June 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	2021 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	Revenue Recovery		216	173	174	150	139	157	202	193	147	142	157	200	2,051
2	Lost Revenues		<u>194</u>	<u>199</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>221</u>	<u>227</u>	<u>232</u>	<u>238</u>	<u>243</u>	<u>247</u>	<u>252</u>	<u>2,684</u>
3	Current Month (Over)/Under Recovery		(22)	27	31	60	76	64	25	40	91	100	91	51	632
4	Cumulative (Over)/Under Recovery	(621)	(643)	(616)	(585)	(526)	(449)	(385)	(360)	(321)	(230)	(130)	(39)	12	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(2)	(2)	(2)	(2)	(1)	(1)	(1)	(1)	(1)	(0)	(0)	(0)	(12)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(644)</u>	<u>(620)</u>	<u>(590)</u>	<u>(532)</u>	<u>(457)</u>	<u>(394)</u>	<u>(370)</u>	<u>(332)</u>	<u>(242)</u>	<u>(142)</u>	<u>(52)</u>	<u>(1)</u>	
8	Monthly Sales (MWh)		334,360	267,732	270,141	232,183	215,344	243,792	313,357	298,549	228,360	220,538	242,749	310,450	3,177,552
9	SBC Rate (LBR Component) (cents/kWh)		0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	

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PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - C&I
January 1, 2021 to December 31, 2021
(\$ in 000's)

Line	Description	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2021
		Carryover 12/31/2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	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	Revenue Recovery		339	317	343	317	340	359	380	379	341	342	321	330	4,109
2	Lost Revenues		<u>348</u>	<u>361</u>	<u>374</u>	<u>387</u>	<u>400</u>	<u>413</u>	<u>426</u>	<u>439</u>	<u>451</u>	<u>464</u>	<u>477</u>	<u>490</u>	<u>5,030</u>
3	Current Month (Over)/Under Recovery		10	44	32	70	60	53	45	60	110	122	156	160	922
4	Cumulative (Over)/Under Recovery	(885)	(875)	(831)	(800)	(730)	(670)	(617)	(571)	(512)	(402)	(279)	(124)	37	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(1)	(1)	(1)	(1)	(0)	(19)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(878)</u>	<u>(836)</u>	<u>(807)</u>	<u>(739)</u>	<u>(681)</u>	<u>(629)</u>	<u>(586)</u>	<u>(527)</u>	<u>(419)</u>	<u>(297)</u>	<u>(142)</u>	<u>18</u>	
8	Monthly Sales (MWh)		373,417	349,368	377,530	349,541	374,957	395,911	419,204	417,437	376,237	376,790	353,943	363,427	4,527,763
9	SBC Rate (LBR Component) (cents/kWh)		0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	

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PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - Residential
January 1, 2022 to December 31, 2022
(\$ in 000's)

Line	Description	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2022
		Carryover 12/31/2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 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	Revenue Recovery		342	274	276	237	220	250	321	306	235	227	250	320	3,258
2	Lost Revenues		<u>255</u>	<u>258</u>	<u>261</u>	<u>264</u>	<u>266</u>	<u>269</u>	<u>272</u>	<u>275</u>	<u>278</u>	<u>282</u>	<u>287</u>	<u>291</u>	<u>3,260</u>
3	Current Month (Over)/Under Recovery		(86)	(15)	(15)	26	46	20	(49)	(31)	44	55	37	(29)	2
4	Cumulative (Over)/Under Recovery	(1)	(87)	(102)	(117)	(91)	(44)	(25)	(74)	(105)	(61)	(6)	30	1	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	(2)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(87)</u>	<u>(102)</u>	<u>(118)</u>	<u>(92)</u>	<u>(45)</u>	<u>(26)</u>	<u>(75)</u>	<u>(107)</u>	<u>(63)</u>	<u>(8)</u>	<u>28</u>	<u>(0)</u>	
8	Monthly Sales (MWh)		334,664	267,849	270,411	232,542	215,388	244,337	314,651	300,108	229,943	222,517	244,887	313,066	3,190,363
9	SBC Rate (LBR Component) (cents/kWh)		0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	

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PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - C&I
January 1, 2022 to December 31, 2022
(\$ in 000's)

Line	Description	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2022	
		Carryover 12/31/2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 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	Revenue Recovery		582	546	590	561	591	619	656	653	591	591	557	571	7,108
2	Lost Revenues		<u>504</u>	<u>521</u>	<u>537</u>	<u>553</u>	<u>569</u>	<u>585</u>	<u>601</u>	<u>617</u>	<u>633</u>	<u>649</u>	<u>665</u>	<u>681</u>	<u>7,114</u>
3	Current Month (Over)/Under Recovery		(78)	(25)	(54)	(8)	(22)	(34)	(55)	(36)	42	58	108	110	6
4	Cumulative (Over)/Under Recovery	18	(60)	(85)	(139)	(147)	(169)	(203)	(258)	(294)	(252)	(195)	(86)	24	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(1)	(1)	(1)	(1)	(1)	(0)	(0)	(5)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(60)</u>	<u>(85)</u>	<u>(139)</u>	<u>(148)</u>	<u>(171)</u>	<u>(205)</u>	<u>(261)</u>	<u>(298)</u>	<u>(256)</u>	<u>(199)</u>	<u>(91)</u>	<u>19</u>	
8	Monthly Sales (MWh)		366,976	344,140	372,167	353,613	372,470	389,948	413,462	411,476	372,492	372,738	350,877	359,824	4,480,182
9	SBC Rate (LBR Component) (cents/kWh)		0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	

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PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - Residential
January 1, 2023 to December 31, 2023
(\$ in 000's)

Line	Description	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2023
		Carryover 12/31/2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	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	Revenue Recovery		398	319	323	278	258	292	375	358	275	266	292	373	3,806
2	Lost Revenues		<u>295</u>	<u>299</u>	<u>303</u>	<u>307</u>	<u>311</u>	<u>315</u>	<u>319</u>	<u>323</u>	<u>327</u>	<u>331</u>	<u>336</u>	<u>340</u>	<u>3,808</u>
3	Current Month (Over)/Under Recovery		(103)	(20)	(19)	30	54	23	(56)	(35)	53	66	44	(33)	2
4	Cumulative (Over)/Under Recovery	(0)	(104)	(124)	(143)	(114)	(60)	(37)	(93)	(127)	(75)	(9)	35	2	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	(2)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(104)</u>	<u>(124)</u>	<u>(144)</u>	<u>(115)</u>	<u>(61)</u>	<u>(38)</u>	<u>(94)</u>	<u>(129)</u>	<u>(77)</u>	<u>(11)</u>	<u>32</u>	<u>(1)</u>	
8	Monthly Sales (MWh)		338,049	271,022	273,618	235,598	218,586	247,710	318,408	303,703	233,090	225,571	247,718	316,047	3,229,120
9	SBC Rate (LBR Component) (cents/kWh)		0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	

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PSNH d/b/a Eversource Energy
Lost Base Revenue Reconciliation - C&I
January 1, 2023 to December 31, 2023
(\$ in 000's)

Line	Description	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2023
		Carryover 12/31/2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	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	Revenue Recovery		794	745	806	749	801	845	895	890	809	829	768	782	9,712
2	Lost Revenues		<u>699</u>	<u>719</u>	<u>739</u>	<u>759</u>	<u>779</u>	<u>799</u>	<u>819</u>	<u>839</u>	<u>859</u>	<u>879</u>	<u>899</u>	<u>919</u>	<u>9,711</u>
3	Current Month (Over)/Under Recovery		(94)	(25)	(67)	10	(21)	(46)	(76)	(51)	50	51	132	137	(1)
4	Cumulative (Over)/Under Recovery	19	(75)	(101)	(167)	(157)	(178)	(224)	(300)	(351)	(301)	(251)	(119)	18	
5	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
6	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(1)	(1)	(1)	(1)	(1)	(1)	(0)	(6)
7	Cumulative (Over)/Under Recovery Incl Carrying Charge		<u>(75)</u>	<u>(101)</u>	<u>(168)</u>	<u>(158)</u>	<u>(180)</u>	<u>(226)</u>	<u>(303)</u>	<u>(355)</u>	<u>(306)</u>	<u>(256)</u>	<u>(125)</u>	<u>12</u>	
8	Monthly Sales (MWh)		361,233	338,955	366,843	340,860	364,454	384,520	407,592	405,323	368,308	377,229	349,459	355,999	4,420,775
9	SBC Rate (LBR Component) (cents/kWh)		0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	

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Eversource
 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 08/01/19 Through 07/31/20								
<u>Rate Class</u>	<u>Demand</u>	<u>Revenue</u>	<u>Total Demand</u>	<u>Delivery</u>	<u>Delivery</u>	<u>Average</u>	<u>Average</u>	<u>Average</u>
	<u>Charges</u>	<u>kWh</u>	<u>and kWh</u>	<u>kW</u>	<u>kWh</u>	<u>\$/kW</u>	<u>\$/kWh^(a)</u>	<u>\$/kWh^(b)</u>
Residential	\$ -	\$ 143,644,797	\$ 143,644,797	\$ -	3,264,397,495	N/A	N/A	\$ 0.04400
General Service Rate G	\$ 35,544,082	\$ 33,222,513	\$ 68,766,596	3,741,939	1,623,547,912	\$ 8.88	\$ 0.02046	\$ 0.04236
Primary General Service Rate GV	\$ 23,479,235	\$ 10,026,765	\$ 33,506,000	3,986,165	1,569,188,304	\$ 2.52	\$ 0.00639	\$ 0.02135
Large General Service Rate LG	\$ 14,237,367	\$ 5,728,400	\$ 19,965,767	3,614,672	1,175,920,781	\$ 1.58	\$ 0.00487	\$ 0.01698
Commercial and Industrial	\$ 73,260,685	\$ 48,977,678	\$ 122,238,363	11,342,776	4,368,656,997	\$ 6.46	\$ 0.01121	\$ 0.02798

* 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.

(a) For 2019 and 2020 C&I Savings

(b) For 2017 and 2018 C&I Savings

Bill Impacts of Changes in System Benefits Charge - PSNH d/b/a Eversource Energy

	Current Rates*	2021	2022	2023
Total System Benefits Charge (\$/kWh) - Residential	\$ 0.00743	\$ 0.00866	\$ 0.00898	\$ 0.00941
Total System Benefits Charge (\$/kWh) - C&I	\$ 0.00743	\$ 0.01270	\$ 0.01807	\$ 0.02432
<u>Bill per month, including PSNH default energy service</u>				
Residential Rate R (625 kWh/month)	\$ 115.76	\$ 116.53	\$ 116.73	\$ 117.00
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)	\$ 1,610.64	\$ 1,663.35	\$ 1,717.05	\$ 1,779.54
<u>Change from previous rate level - \$ per month</u>				
Residential Rate R (625 kWh/month)		\$ 0.77	\$ 0.20	\$ 0.27
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)		\$ 52.71	\$ 53.69	\$ 62.49
<u>Change from previous rate level - %</u>				
Residential Rate R (625 kWh/month)		0.7%	0.2%	0.2%
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)		3.3%	3.2%	3.6%

* Stated at Eversource's rate levels effective August 1, 2020 - December 31, 2020

Eversource

**Calculation of Distribution Revenue at the Rate Levels in Effect August 2019 - July 2020
 Based on Billing Determinants for the Twelve Months Ending July 2020**

Residential Rate R				
Rate	Source	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
Standard	Customer Charge	5,334,232	\$ 13.81	\$ 73,665,744
	All kWh	3,140,464,324	\$ 0.04508	\$ 141,572,132
Uncontrolled Water Heating	Customer Charge	494,086	\$ 4.87	\$ 2,406,199
	All kWh	90,414,551	\$ 0.02210	\$ 1,998,162
Controlled Water Heating	Customer Charge	2,794	\$ 8.58	\$ 23,973
	All kWh	496,217	\$ 0.00131	\$ 650.0
LCS - Radio-controlled & 8 Hour Switch	Customer Charge	40,086	\$ 9.92	\$ 397,653
	All kWh	31,986,382	\$ 0.00131	\$ 41,902
LCS - 8 Hour No Switch	Customer Charge	1,158	\$ 8.58	\$ 9,936
	All kWh	322,416	\$ 0.00131	\$ 422
LCS - 10,11 Hour Switch	Customer Charge	47	\$ 9.92	\$ 466
	All kWh	8,397	\$ 0.02665	\$ 224
LCS - 10,11 Hour No Switch	Customer Charge	1,011	\$ 8.58	\$ 8,674
	All kWh	241,324	\$ 0.02665	\$ 6,431
Time of Day	Customer Charge	500	\$ 32.08	\$ 16,040
	On Peak kWh	168,343	\$ 0.14407	\$ 24,253
	Off Peak kWh	295,541	\$ 0.00210	\$ 621
Total Residential	Customer/Meter	5,873,914		\$ 76,528,685
	Demand	-		-
	kWh	3,264,397,495		\$ 143,644,797
				<u>\$ 220,173,481</u>

General Service Rate G				
Rate	Source	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
Standard	Single Phase Customer Charge	679,744	\$ 16.21	\$ 11,018,650
	Three Phase Customer Charge	241,642	\$ 32.39	\$ 7,826,784
	Demand Charge > 5 kW	3,733,095	\$ 9.49	\$ 35,427,067
	First 500 kWh Charge	270,805,121	\$ 0.07604	\$ 20,592,021
	Next 1,000 kWh Charge	281,867,544	\$ 0.01884	\$ 5,310,385
	All Additional kWh Charge	1,059,128,827	\$ 0.00666	\$ 7,053,798
Time of Day	Single Phase Customer Charge	189	\$ 41.98	\$ 7,934
	Three Phase Customer Charge	250	\$ 60.00	\$ 15,000
	Demand Charge	8,845	\$ 13.23	\$ 117,015
	On peak kWh	301,120	\$ 0.05335	\$ 16,065
	Off peak kWh	249,690	\$ 0.00836	\$ 2,087
Space Heating	Meter Charge	4,795	\$ 3.24	\$ 15,536
	All kWh	4,566,882	\$ 0.03729	\$ 170,299
Uncontrolled Water Heating	Customer Charge	14,567	\$ 4.87	\$ 70,941
	All kWh	3,278,380	\$ 0.02210	\$ 72,452
Controlled Water Heating	Customer Charge	1	\$ 8.58	\$ 9
	All kWh	4,151	\$ 0.00131	\$ 5
LCS - Radio-controlled & 8 Hour Switch	Customer Charge	1,825	\$ 9.92	\$ 18,104
	All kWh	3,242,216	\$ 0.00131	\$ 4,247
LCS - 8 Hour No Switch	Customer Charge	55	\$ 8.58	\$ 472
	All kWh	63,837	\$ 0.00131	\$ 84
LCS - 10,11 Hour Switch	Customer Charge	-	\$ 9.92	\$ -
	All kWh	-	\$ 0.00131	\$ -
LCS - 10,11 Hour No Switch	Customer Charge	14	\$ 8.58	\$ 120
	All kWh	40,144	\$ 0.02665	\$ 1,070
Total General Service	Customer/Meter	943,082		\$ 18,973,551
	Demand	3,741,939		\$ 35,544,082
	kWh	1,623,547,912		\$ 33,222,513
				<u>\$ 87,740,146</u>

Primary General Service Rate GV				
Rate	Source	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
Standard	Customer Charge	16,528	\$ 211.21	\$ 3,490,879
	Minimum Charge	352	\$ 972.00	\$ 342,144
	First 100 kW Demand Charge	1,377,516	\$ 6.07	\$ 8,361,522
	All Additional kW Demand Charge	2,567,211	\$ 5.81	\$ 14,915,496
	First 200,000 kWh	1,255,754,797	\$ 0.00660	\$ 8,287,982
	All Additional kWh	311,021,859	\$ 0.00554	\$ 1,723,061
Rate B < 115 KV	Administrative Charge	136	\$ 372.10	\$ 50,606
	Translation Charge	644	\$ 62.42	\$ 40,198
	Demand Charge	41,438	\$ 4.88	\$ 202,217
	First 200,000 kWh	2,227,577	\$ 0.00660	\$ 14,702
	All Additional kWh	184,071	\$ 0.00554	\$ 1,020
Space Heating	Meter Charge	-		\$ -
	All kWh	-		\$ -
Total GV	Customer/Meter	16,664		\$ 3,923,827
	Demand	3,986,165		\$ 23,479,235
	kWh	1,569,188,304		\$ 10,026,765
				<u>\$ 37,429,827</u>

Large General Service Rate LG				
Rate	Source	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
Standard	Customer Charge	1,279	\$ 660.15	\$ 844,332
	Demand Charge	2,510,681	\$ 5.17	\$ 12,980,221
	On peak kWh	480,866,381	\$ 0.00553	\$ 2,659,191
	Off Peak kWh	625,553,109	\$ 0.00467	\$ 2,921,333
Rate B < 115 KV	Administrative Charge	117	\$ 372.10	\$ 43,536
	Translation Charge	15	\$ 62.42	\$ 936
	Demand charge	257,612	\$ 4.88	\$ 1,257,147
	On peak kWh	10,768,634	\$ 0.00553	\$ 59,551
	Off Peak kWh	18,913,371	\$ 0.00467	\$ 88,325
Rate B >= 115 KV	Administrative Charge	58	\$ 372.10	\$ 21,582
	Translation Charge	-	\$ 62.42	\$ -
	Demand charge	846,379	\$ -	\$ -
	On peak kWh	12,230,986	\$ -	\$ -
	Off Peak kWh	27,588,300	\$ -	\$ -
Total LG	Customer/Meter	1,454		\$ 910,386
	Demand	3,614,672		\$ 14,237,367
	kWh	1,175,920,781		\$ 5,728,400
				<u>\$ 20,876,153</u>

Outdoor Lighting Rate OL				
Type	Fixture	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
High Pressure Sodium	4,000 Lumens	42,804	\$ 17.23	\$ 737,521
	5,800 Lumens	7,247	\$ 17.23	\$ 124,874
	9,500 Lumens	11,157	\$ 22.91	\$ 255,611
	16,000 Lumens	9,977	\$ 32.41	\$ 323,364
	30,000 Lumens	15,683	\$ 33.21	\$ 520,843
	50,000 Lumens	23,191	\$ 33.58	\$ 778,753
	130,000 Lumens	4,534	\$ 53.89	\$ 244,334
	12,000 Lumens	97	\$ 23.70	\$ 2,292
	34,200 Lumens	62	\$ 30.34	\$ 1,882
Mercury	3,500 Lumens	57,205	\$ 15.20	\$ 869,512
	7,000 Lumens	11,171	\$ 18.29	\$ 204,324
	11,000 Lumens	721	\$ 22.61	\$ 16,291
	15,000 Lumens	36	\$ 25.86	\$ 931
	20,000 Lumens	4,873	\$ 27.92	\$ 136,047
	56,000 Lumens	1,675	\$ 44.38	\$ 74,349
Metal Halide	5,000 Lumens	2,735	\$ 17.97	\$ 49,144
	8,000 Lumens	1,543	\$ 24.60	\$ 37,958
	13,500 Lumens	1,532	\$ 33.76	\$ 51,728
	20,000 Lumens	3,550	\$ 34.47	\$ 122,353
	36,000 Lumens	5,305	\$ 34.79	\$ 184,553
Incandescent	100,000 Lumens	3,041	\$ 52.15	\$ 158,606
	600 Lumens	1,009	\$ 9.93	\$ 10,019
	1,000 Lumens	2,628	\$ 11.08	\$ 29,118
	2,500 Lumens	2	\$ 14.22	\$ 22
Fluorescent	20,000 Lumens	24	\$ 37.87	\$ 909
Total Rate OL	Fixtures	211,802		\$ 4,935,339
	Demand	-		
	kWh	16,878,003		<u>\$ 4,935,339</u>

Outdoor Lighting Rate EOL				
Type	Fixture	August 1, 2019 - July 31, 2020		
		Units	Rate/Charge	Revenue
High Pressure Sodium	4,000 Lumens	45,939	\$ 9.17	\$ 421,261
	5,800 Lumens	2,268	\$ 9.17	\$ 20,798
	9,500 Lumens	4,631	\$ 11.28	\$ 52,238
	16,000 Lumens	6,298	\$ 12.40	\$ 78,095
	30,000 Lumens	20,223	\$ 12.40	\$ 250,765
	50,000 Lumens	1,563	\$ 12.80	\$ 20,006
	130,000 Lumens	660	\$ 24.30	\$ 16,038
Metal Halide	5,000 Lumens	7,284	\$ 9.52	\$ 69,344
	8,000 Lumens	831	\$ 12.59	\$ 10,462
	13,000 Lumens	-	\$ 13.44	-
	13,500 Lumens	1,036	\$ 14.15	\$ 14,659
	20,000 Lumens	768	\$ 14.39	\$ 11,052
	36,000 Lumens	467	\$ 14.79	\$ 6,907
	100,000 Lumens	1,236	\$ 26.35	\$ 32,569
LED's	Per Fixture	393,981	\$ 3.67	\$ 1,445,910
	Per Watt	5,687,940	\$ 0.0558	\$ 317,387
	Maintenance credit (contract)	9	(\$1.90)	\$ (17)
Total Rate EOL	Fixtures	487,185		\$ 2,767,473
	Demand	-		\$ -
	kWh	11,115,834		\$ -
				<u>\$ 2,767,473</u>

Total Retail			
Type	Source	August 1, 2019 - July 31, 2020	
		Units	Revenue
Total Retail	Customer/Meter	6,835,114	\$ 100,336,448
	Fixtures	698,987	\$ 7,702,813
	Demand	11,342,776	\$ 73,260,685
	kWh	7,661,048,329	\$ 192,622,475
			<u>\$ 373,922,420</u>

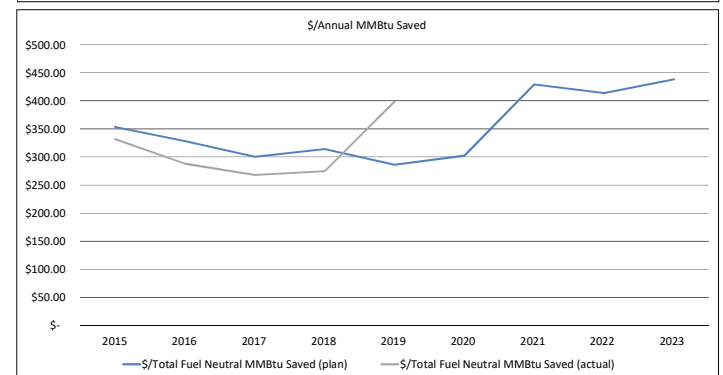
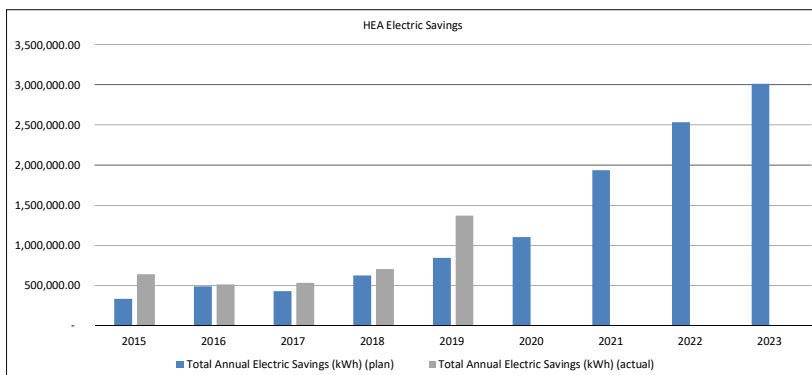
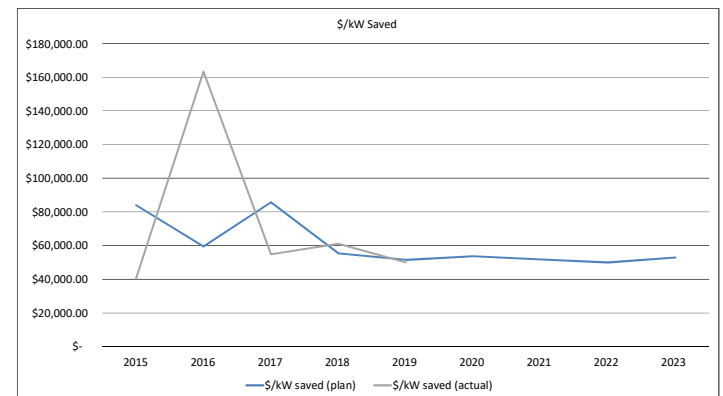
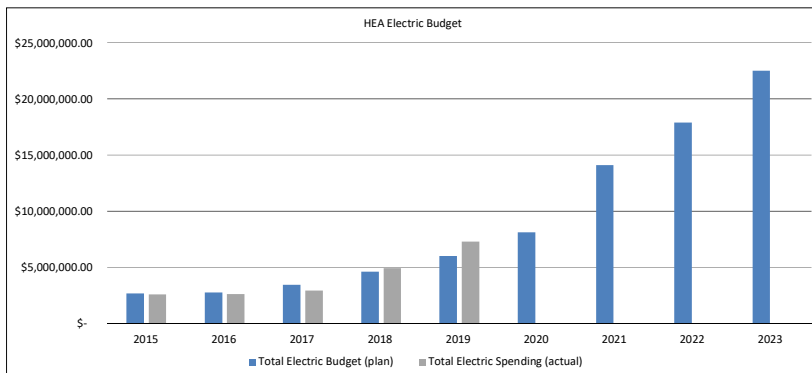
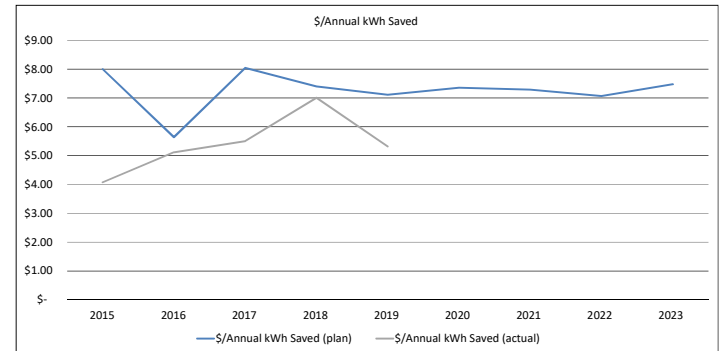
Lost Base Revenue			
Summary of Data Included in the Calculation of the Average Distribution Rates*			
Type	Source	August 1, 2019 - July 31, 2020	
		Units	Revenue
Total Residential	Demand kWh	-	\$ -
		3,264,397,495	\$ 143,644,797
			<u>\$ 143,644,797</u>
Total General Service	Demand kWh	3,741,939	\$ 35,544,082
		1,623,547,912	\$ 33,222,513
			<u>\$ 68,766,596</u>
Total GV	Demand kWh	3,986,165	\$ 23,479,235
		1,569,188,304	\$ 10,026,765
			<u>\$ 33,506,000</u>
Total LG	Demand kWh	2,768,293	\$ 14,237,367
		1,136,101,495	\$ 5,728,400
			<u>\$ 19,965,767</u>
Total	Demand kWh	10,496,397	\$ 73,260,685
		7,593,235,206	\$ 192,622,475
			<u>\$ 265,883,160</u>

* The Lost Base Revenue calculation 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.

Home Energy Assistance

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 2,661,464.00	\$ 2,751,286.00	\$ 3,450,394.00	\$ 4,611,266.00	\$ 6,015,106.66	\$ 8,110,148.68	\$ 14,095,652.59	\$ 17,892,763.69	\$ 22,513,868.56
	Total Annual Electric Savings (kWh) (plan)	332,704.68	487,614.55	429,219.81	623,609.04	845,586.10	1,102,644.60	1,933,931.17	2,533,199.04	3,012,948.11
	\$/Annual kWh Saved (plan)	\$ 8.00	\$ 5.64	\$ 8.04	\$ 7.39	\$ 7.11	\$ 7.36	\$ 7.29	\$ 7.06	\$ 7.47
2)	Total Electric Budget	\$ 2,661,464.00	\$ 2,751,286.00	\$ 3,450,394.00	\$ 4,611,266.00	\$ 6,015,106.66	\$ 8,110,148.68	\$ 14,095,652.59	\$ 17,892,763.69	\$ 22,513,868.56
	Total kW saved	31.70	46.33	40.26	83.25	116.74	151.12	271.99	358.06	425.48
	\$/kW saved (plan)	\$ 83,961.98	\$ 59,383.90	\$ 85,705.87	\$ 55,388.90	\$ 51,526.89	\$ 53,666.52	\$ 51,823.56	\$ 49,971.02	\$ 52,914.25
3)	Total Electric Budget	\$ 2,661,464.00	\$ 2,751,286.00	\$ 3,450,394.00	\$ 4,611,266.00	\$ 6,015,106.66	\$ 8,110,148.68	\$ 14,095,652.59	\$ 17,892,763.69	\$ 22,513,868.56
	Total Fuel Neutral MMBtu Saved	7,527.20	8,371.96	11,489.26	14,683.27	21,015.45	26,820.91	32,835.09	43,225.45	51,363.87
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 353.58	\$ 328.63	\$ 300.31	\$ 314.05	\$ 286.22	\$ 302.38	\$ 429.29	\$ 413.94	\$ 438.32

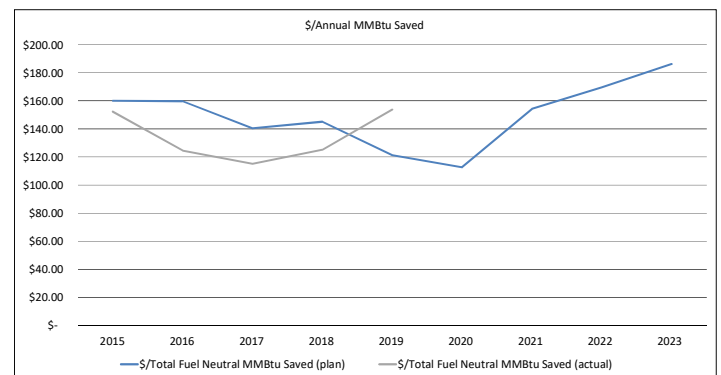
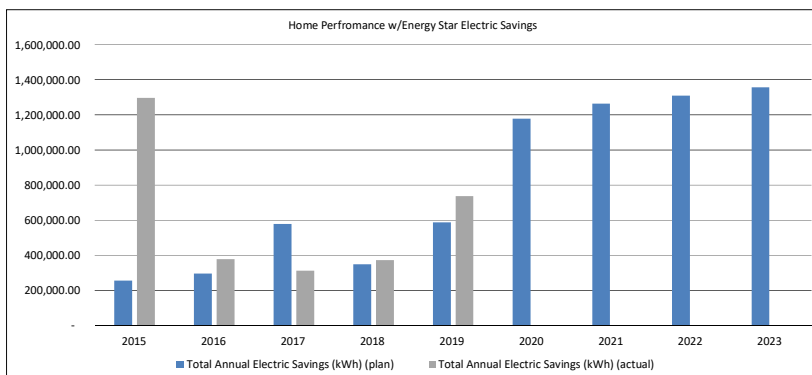
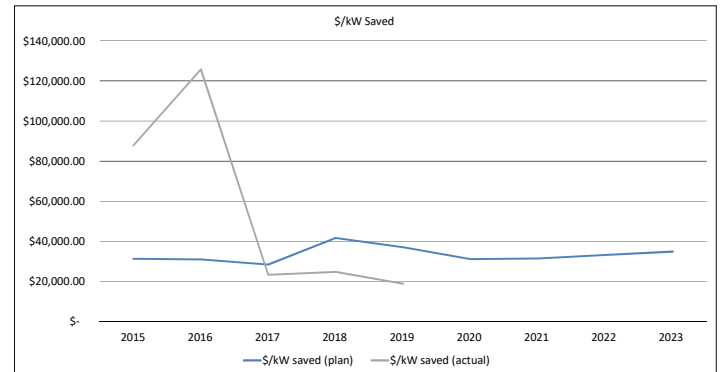
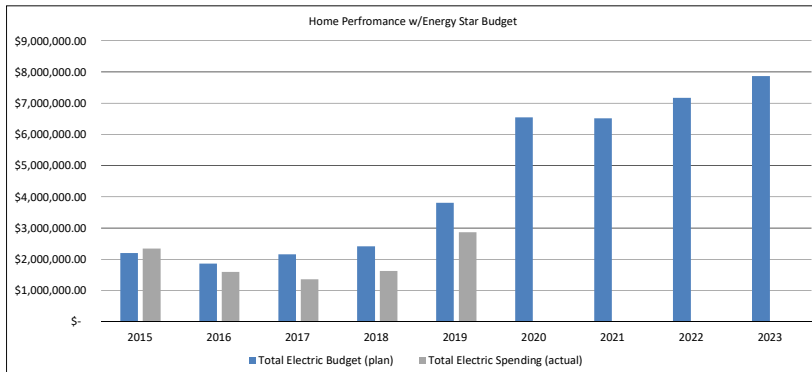
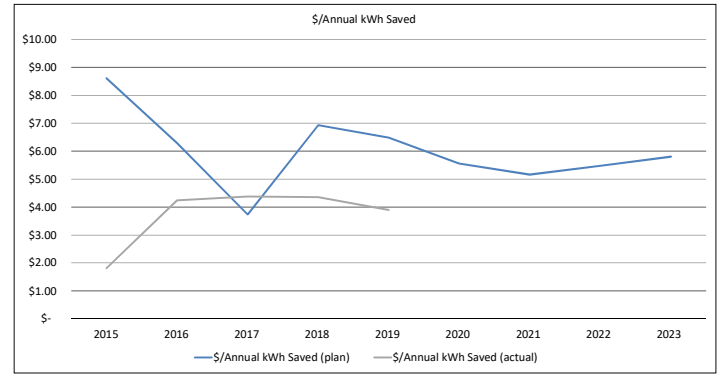
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 2,602,622.35	\$ 2,630,799.37	\$ 2,930,672.42	\$ 4,934,976.47	\$ 7,295,395.97
	Total Annual Electric Savings (kWh) (actu)	638,554.22	514,041.71	532,325.13	704,706.70	1,371,330.52
	\$/Annual kWh Saved (actual)	\$ 4.08	\$ 5.12	\$ 5.51	\$ 7.00	\$ 5.32
2)	Total Electric Spending	\$ 2,602,622.35	\$ 2,630,799.37	\$ 2,930,672.42	\$ 4,934,976.47	\$ 7,295,395.97
	Total kW saved	64.34	16.12	53.36	80.75	145.71
	\$/kW saved (actual)	\$ 40,451.13	\$ 163,221.09	\$ 54,918.84	\$ 61,113.05	\$ 50,069.62
3)	Total Electric Spending	\$ 2,602,622.35	\$ 2,630,799.37	\$ 2,930,672.42	\$ 4,934,976.47	\$ 7,295,395.97
	Total Fuel Neutral MMBtu Saved	7,839.29	9,126.57	10,943.68	17,951.87	18,300.71
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 332.00	\$ 288.26	\$ 267.80	\$ 274.90	\$ 398.64



Home Performance w/Energy Star

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 2,203,268.95	\$ 1,860,400.33	\$ 2,161,078.61	\$ 2,415,741.54	\$ 3,808,340.70	\$ 6,543,679.57	\$ 6,517,674.95	\$ 7,169,965.60	\$ 7,868,193.94
	Total Annual Electric Savings (kWh) (plan)	256,056.96	295,674.17	578,126.50	348,885.75	587,878.50	1,178,594.79	1,263,470.95	1,309,849.26	1,356,227.57
	\$/Annual kWh Saved (plan)	\$ 8.60	\$ 6.29	\$ 3.74	\$ 6.92	\$ 6.48	\$ 5.55	\$ 5.16	\$ 5.47	\$ 5.80
2)	Total Electric Budget	\$ 2,203,268.95	\$ 1,860,400.33	\$ 2,161,078.61	\$ 2,415,741.54	\$ 3,808,340.70	\$ 6,543,679.57	\$ 6,517,674.95	\$ 7,169,965.60	\$ 7,868,193.94
	Total kW saved	70.29	59.98	75.98	57.84	102.69	210.06	206.70	215.99	225.28
	\$/kW saved (plan)	\$ 31,344.04	\$ 31,015.03	\$ 28,442.09	\$ 41,764.27	\$ 37,085.52	\$ 31,151.48	\$ 31,532.44	\$ 33,195.82	\$ 34,925.88
3)	Total Electric Budget	\$ 2,203,268.95	\$ 1,860,400.33	\$ 2,161,078.61	\$ 2,415,741.54	\$ 3,808,340.70	\$ 6,543,679.57	\$ 6,517,674.95	\$ 7,169,965.60	\$ 7,868,193.94
	Total Fuel Neutral MMBtu Saved	13,764.71	11,649.95	15,376.05	16,650.12	31,408.42	58,069.10	42,246.91	42,255.09	42,263.27
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 160.07	\$ 159.69	\$ 140.55	\$ 145.09	\$ 121.25	\$ 112.69	\$ 154.28	\$ 169.68	\$ 186.17

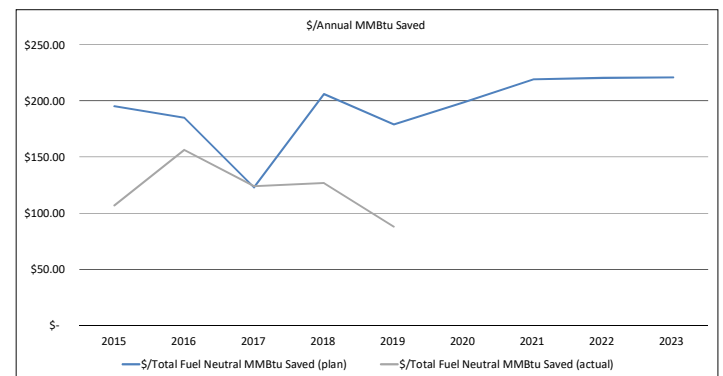
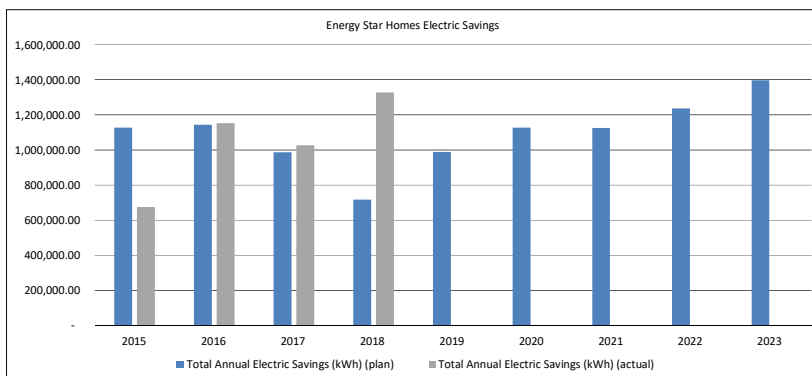
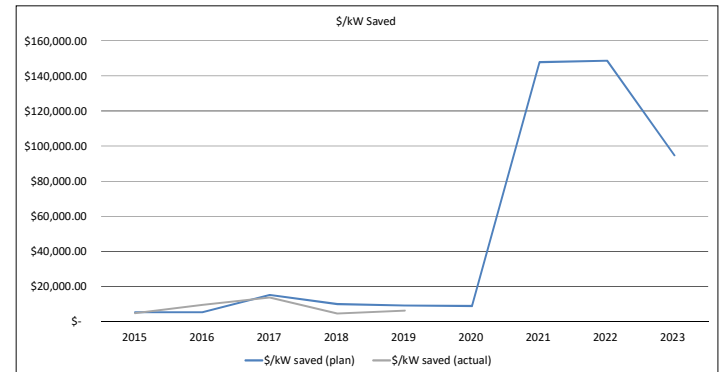
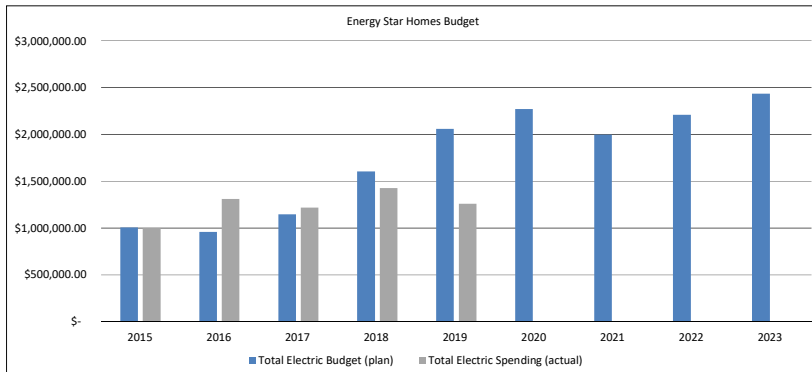
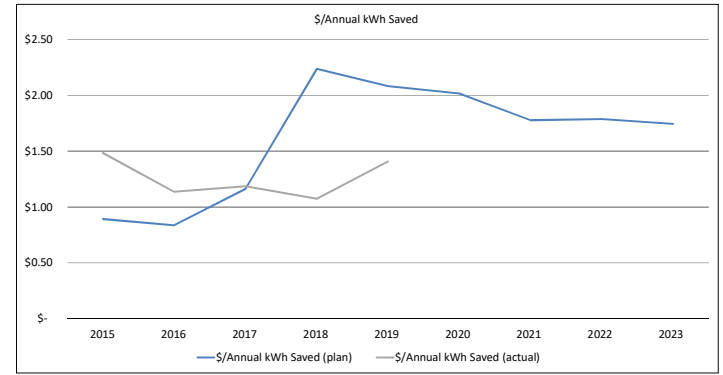
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 2,349,224.06	\$ 1,599,052.72	\$ 1,365,080.05	\$ 1,623,435.97	\$ 2,869,834.58
	Total Annual Electric Savings (kWh) (actu)	1,297,571.81	377,818.52	311,703.00	373,104.96	736,533.00
	\$/Annual kWh Saved (actual)	\$ 1.81	\$ 4.23	\$ 4.38	\$ 4.35	\$ 3.90
2)	Total Electric Spending	\$ 2,349,224.06	\$ 1,599,052.72	\$ 1,365,080.05	\$ 1,623,435.97	\$ 2,869,834.58
	Total kW saved	26.75	12.71	58.41	65.33	151.43
	\$/kW saved (actual)	\$ 87,835.36	\$ 125,789.42	\$ 23,371.81	\$ 24,850.64	\$ 18,951.97
3)	Total Electric Spending	\$ 2,349,224.06	\$ 1,599,052.72	\$ 1,365,080.05	\$ 1,623,435.97	\$ 2,869,834.58
	Total Fuel Neutral MMBtu Saved	15,422.74	12,836.50	11,843.32	12,974.04	18,665.69
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 152.32	\$ 124.57	\$ 115.26	\$ 125.13	\$ 153.75



Energy Star Homes

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 1,006,618.95	\$ 957,269.48	\$ 1,147,210.86	\$ 1,603,217.35	\$ 2,060,103.01	\$ 2,271,812.43	\$ 1,997,598.43	\$ 2,210,065.50	\$ 2,434,014.41
	Total Annual Electric Savings (kWh) (plan)	1,127,834.31	1,143,193.79	986,318.15	717,397.53	989,389.19	1,127,346.10	1,124,693.30	1,237,162.63	1,395,709.04
	\$/Annual kWh Saved (plan)	\$ 0.89	\$ 0.84	\$ 1.16	\$ 2.23	\$ 2.08	\$ 2.02	\$ 1.78	\$ 1.79	\$ 1.74
2)	Total Electric Budget	\$ 1,006,618.95	\$ 957,269.48	\$ 1,147,210.86	\$ 1,603,217.35	\$ 2,060,103.01	\$ 2,271,812.43	\$ 1,997,598.43	\$ 2,210,065.50	\$ 2,434,014.41
	Total kW saved	187.30	176.08	75.75	159.13	222.81	253.71	13.52	14.87	25.69
	\$/kW saved (plan)	\$ 5,374.24	\$ 5,436.52	\$ 15,143.81	\$ 10,075.13	\$ 9,245.91	\$ 8,954.39	\$ 147,775.50	\$ 148,630.08	\$ 94,756.97
3)	Total Electric Budget	\$ 1,006,618.95	\$ 957,269.48	\$ 1,147,210.86	\$ 1,603,217.35	\$ 2,060,103.01	\$ 2,271,812.43	\$ 1,997,598.43	\$ 2,210,065.50	\$ 2,434,014.41
	Total Fuel Neutral MMBtu Saved	5,158.61	5,177.38	9,335.70	7,781.99	11,505.24	11,436.23	9,115.53	10,027.08	11,025.97
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 195.13	\$ 184.89	\$ 122.88	\$ 206.02	\$ 179.06	\$ 198.65	\$ 219.14	\$ 220.41	\$ 220.75

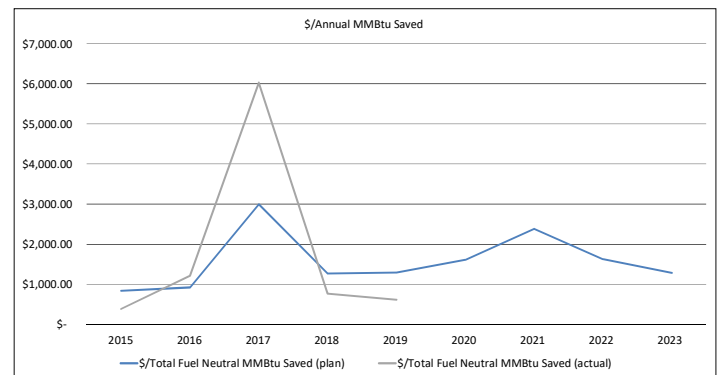
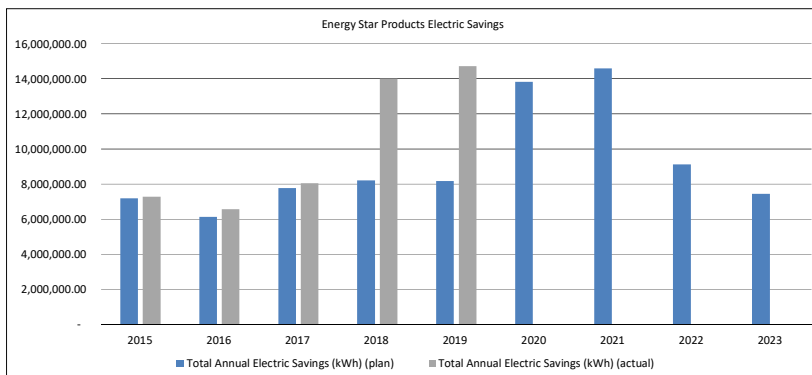
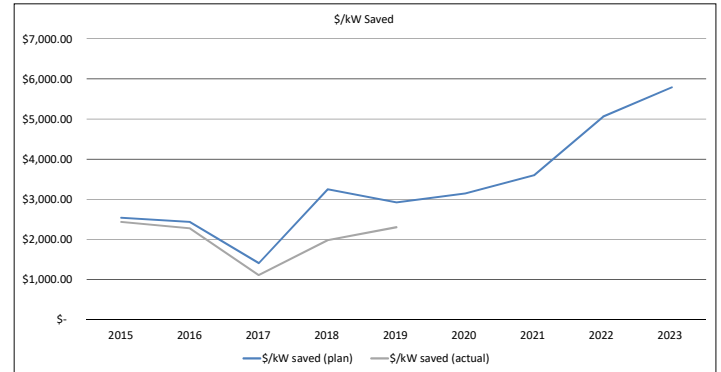
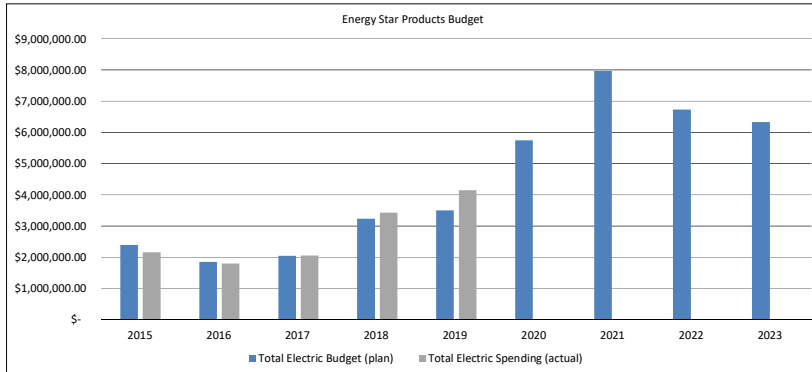
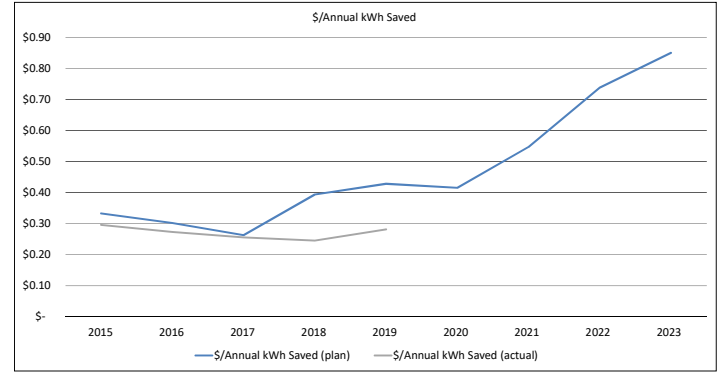
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 1,000,669.85	\$ 1,309,689.49	\$ 1,218,908.50	\$ 1,426,308.42	\$ 1,259,222.58
	Total Annual Electric Savings (kWh) (actu)	674,639.98	1,153,065.16	1,027,593.90	1,327,854.25	894,232.60
	\$/Annual kWh Saved (actual)	\$ 1.48	\$ 1.14	\$ 1.19	\$ 1.07	\$ 1.41
2)	Total Electric Spending	\$ 1,000,669.85	\$ 1,309,689.49	\$ 1,218,908.50	\$ 1,426,308.42	\$ 1,259,222.58
	Total kW saved	204.73	136.81	88.78	305.62	197.31
	\$/kW saved (actual)	\$ 4,887.75	\$ 9,572.72	\$ 13,729.43	\$ 4,666.98	\$ 6,382.11
3)	Total Electric Spending	\$ 1,000,669.85	\$ 1,309,689.49	\$ 1,218,908.50	\$ 1,426,308.42	\$ 1,259,222.58
	Total Fuel Neutral MMBtu Saved	9,364.77	8,379.13	9,833.29	11,250.73	14,295.72
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 106.85	\$ 156.30	\$ 123.96	\$ 126.77	\$ 88.08



Energy Star Products

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 2,397,437.10	\$ 1,853,017.79	\$ 2,044,263.55	\$ 3,235,076.39	\$ 3,502,801.21	\$ 5,745,856.20	\$ 7,973,059.87	\$ 6,726,086.41	\$ 6,327,613.57
	Total Annual Electric Savings (kWh) (plan)	7,197,903.64	6,137,671.04	7,773,228.53	8,217,144.12	8,177,720.12	13,830,606.84	14,588,665.35	9,113,591.98	7,446,289.79
	\$/Annual kWh Saved (plan)	\$ 0.33	\$ 0.30	\$ 0.26	\$ 0.39	\$ 0.43	\$ 0.42	\$ 0.55	\$ 0.74	\$ 0.85
2)	Total Electric Budget	\$ 2,397,437.10	\$ 1,853,017.79	\$ 2,044,263.55	\$ 3,235,076.39	\$ 3,502,801.21	\$ 5,745,856.20	\$ 7,973,059.87	\$ 6,726,086.41	\$ 6,327,613.57
	Total kW saved	944.51	761.13	1,452.08	996.25	1,198.26	1,826.44	2,216.45	1,330.01	1,093.40
	\$/kW saved (plan)	\$ 2,538.28	\$ 2,434.55	\$ 1,407.82	\$ 3,247.25	\$ 2,923.23	\$ 3,145.94	\$ 3,597.22	\$ 5,057.18	\$ 5,787.11
3)	Total Electric Budget	\$ 2,397,437.10	\$ 1,853,017.79	\$ 2,044,263.55	\$ 3,235,076.39	\$ 3,502,801.21	\$ 5,745,856.20	\$ 7,973,059.87	\$ 6,726,086.41	\$ 6,327,613.57
	Total Fuel Neutral MMBtu Saved	2,839.32	1,998.41	681.99	2,545.57	2,709.02	3,560.83	3,342.95	4,127.68	4,912.41
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 844.37	\$ 927.25	\$ 2,997.51	\$ 1,270.86	\$ 1,293.01	\$ 1,613.63	\$ 2,385.04	\$ 1,629.51	\$ 1,288.09

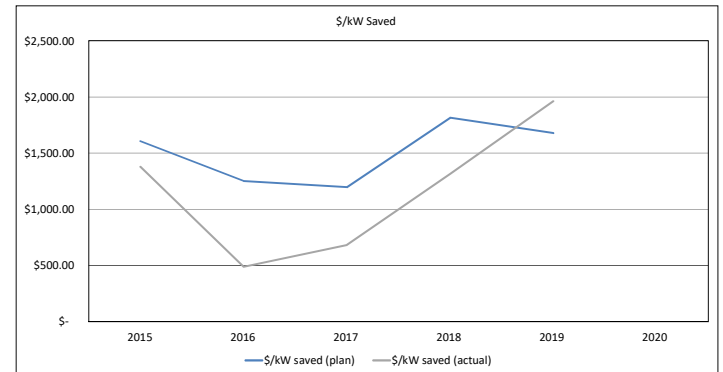
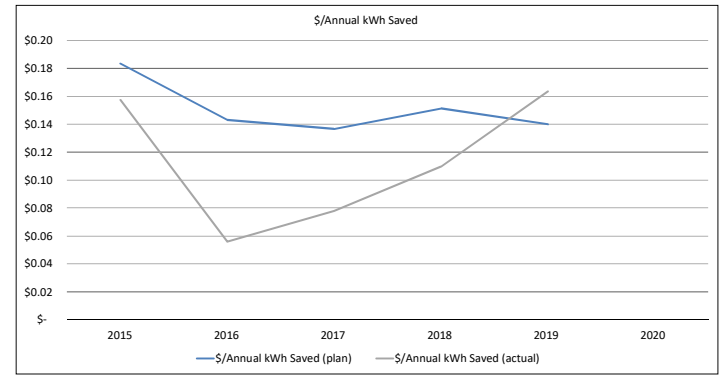
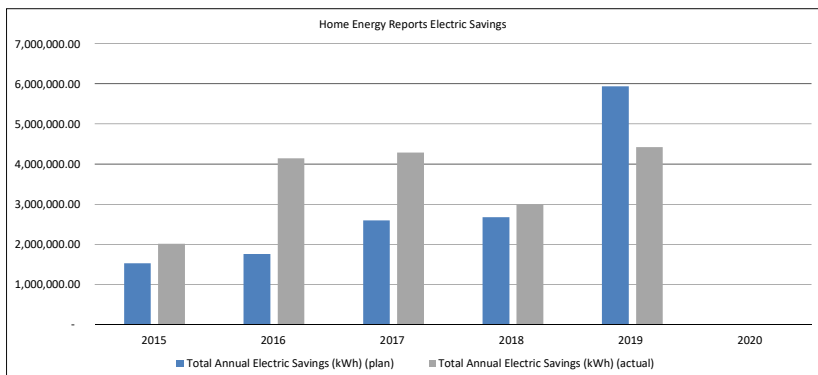
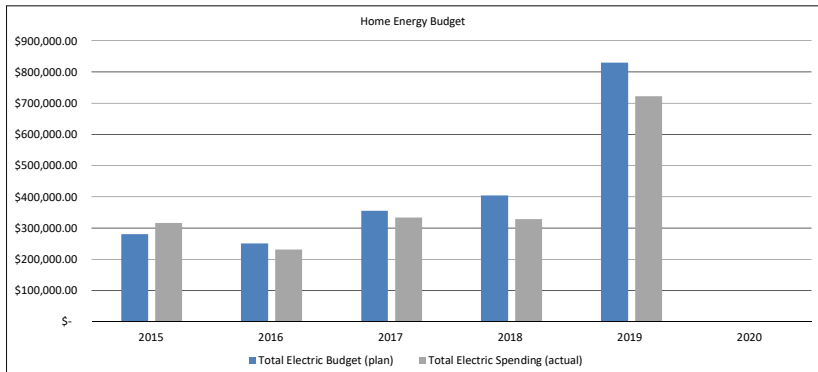
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 2,159,065.92	\$ 1,799,457.82	\$ 2,058,666.85	\$ 3,432,567.81	\$ 4,148,857.09
	Total Annual Electric Savings (kWh) (actu)	7,288,383.41	6,571,188.82	8,039,990.99	13,993,423.29	14,715,500.88
	\$/Annual kWh Saved (actual)	\$ 0.30	\$ 0.27	\$ 0.26	\$ 0.25	\$ 0.28
2)	Total Electric Spending	\$ 2,159,065.92	\$ 1,799,457.82	\$ 2,058,666.85	\$ 3,432,567.81	\$ 4,148,857.09
	Total kW saved	886.37	790.47	1,851.20	1,731.45	1,800.49
	\$/kW saved (actual)	\$ 2,435.84	\$ 2,276.43	\$ 1,112.07	\$ 1,982.48	\$ 2,304.29
3)	Total Electric Spending	\$ 2,159,065.92	\$ 1,799,457.82	\$ 2,058,666.85	\$ 3,432,567.81	\$ 4,148,857.09
	Total Fuel Neutral MMBtu Saved	5,526.86	1,478.74	341.59	4,447.45	6,681.88
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 390.65	\$ 1,216.89	\$ 6,026.76	\$ 771.81	\$ 620.91



Home Energy Reports

Planned		2015	2016	2017	2018	2019	2020
1)	Total Electric Budget (plan)	\$ 280,402.00	\$ 251,006.39	\$ 355,117.61	\$ 404,663.00	\$ 829,581.11	\$ -
	Total Annual Electric Savings (kWh) (plan)	1,529,834.00	1,755,680.67	2,600,000.00	2,675,775.15	5,933,600.00	-
	\$/Annual kWh Saved (plan)	\$ 0.18	\$ 0.14	\$ 0.14	\$ 0.15	\$ 0.14	-
2)	Total Electric Budget	\$ 280,402.00	\$ 251,006.39	\$ 355,117.61	\$ 404,663.00	\$ 829,581.11	\$ -
	Total kW saved	174.64	200.42	296.80	222.98	494.47	-
	\$/kW saved (plan)	\$ 1,605.60	\$ 1,252.40	\$ 1,196.47	\$ 1,814.78	\$ 1,677.73	-
3)	Total Electric Budget	\$ 280,402.00	\$ 251,006.39	\$ 355,117.61	\$ 404,663.00	\$ 829,581.11	\$ -
	Total Fuel Neutral MMBtu Saved						
	\$/Total Fuel Neutral MMBtu Saved (plan)						

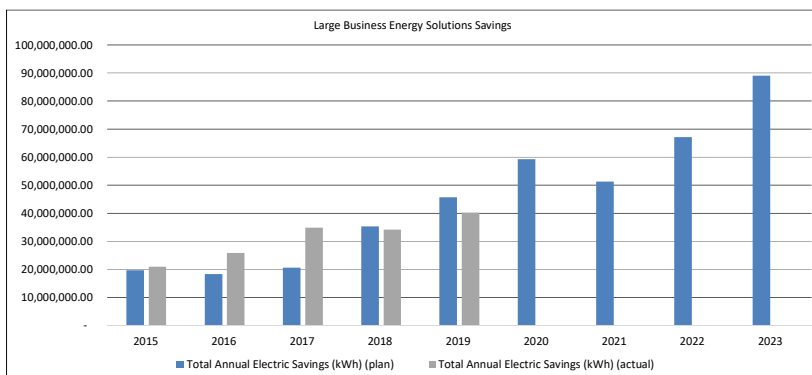
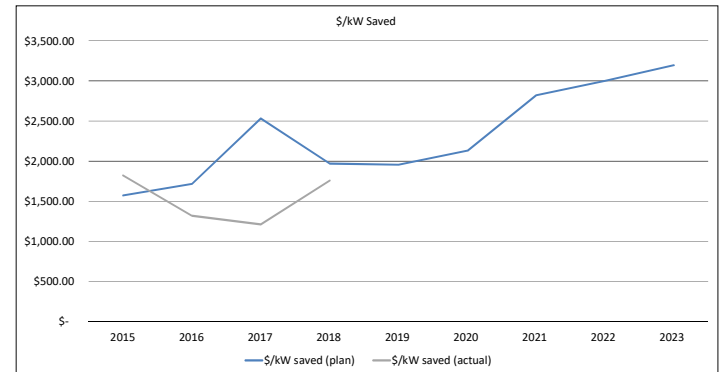
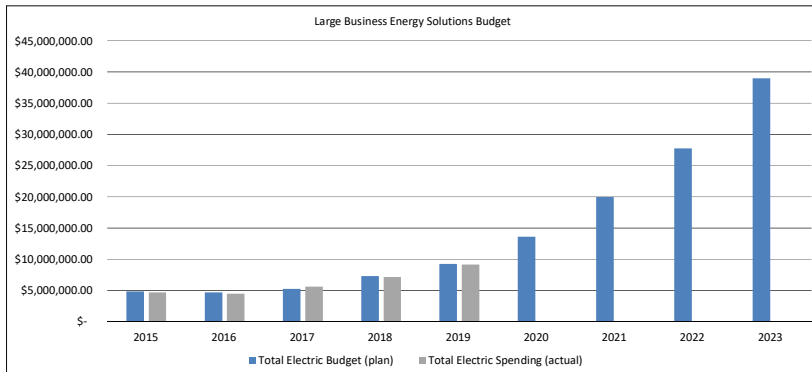
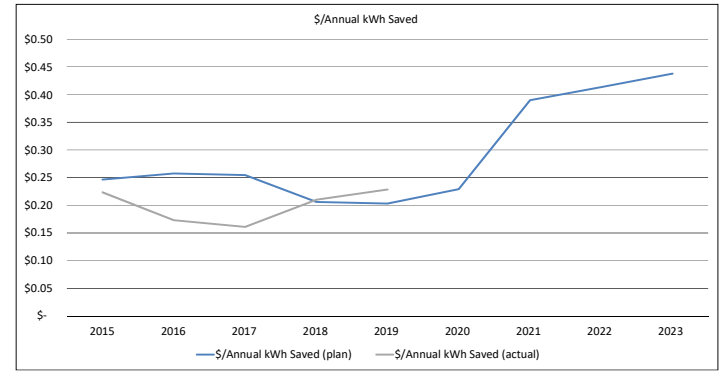
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 316,754.26	\$ 231,662.02	\$ 333,867.14	\$ 328,178.45	\$ 722,318.03
	Total Annual Electric Savings (kWh) (actu)	2,013,872.00	4,142,136.00	4,283,639.00	2,990,649.57	4,420,562.20
	\$/Annual kWh Saved (actual)	\$ 0.16	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.16
2)	Total Electric Spending	\$ 316,754.26	\$ 231,662.02	\$ 333,867.14	\$ 328,178.45	\$ 722,318.03
	Total kW saved	229.89	472.85	489.00	249.22	368.38
	\$/kW saved (actual)	\$ 1,377.83	\$ 489.93	\$ 682.76	\$ 1,316.82	\$ 1,960.80
3)	Total Electric Spending	\$ 316,754.26	\$ 231,662.02	\$ 333,867.14	\$ 328,178.45	\$ 722,318.03
	Total Fuel Neutral MMBtu Saved					
	\$/Total Fuel Neutral MMBtu Saved (actual)					



Large Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 4,858,386.57	\$ 4,704,790.31	\$ 5,257,680.00	\$ 7,291,994.08	\$ 9,277,317.90	\$ 13,583,836.37	\$ 19,975,806.79	\$ 27,754,794.60	\$ 38,984,319.76
	Total Annual Electric Savings (kWh) (plan)	19,691,600.38	18,265,965.37	20,649,114.70	35,375,682.52	45,645,047.14	59,273,604.82	51,258,697.05	67,142,543.15	89,084,166.75
	\$/Annual kWh Saved (plan)	\$ 0.25	\$ 0.26	\$ 0.25	\$ 0.21	\$ 0.20	\$ 0.23	\$ 0.39	\$ 0.41	\$ 0.44
2)	Total Electric Budget	\$ 4,858,386.57	\$ 4,704,790.31	\$ 5,257,680.00	\$ 7,291,994.08	\$ 9,277,317.90	\$ 13,583,836.37	\$ 19,975,806.79	\$ 27,754,794.60	\$ 38,984,319.76
	Total kW saved	3,090.57	2,739.43	2,076.70	3,702.66	4,740.28	6,375.44	7,086.59	9,253.06	12,204.92
	\$/kW saved (plan)	\$ 1,572.00	\$ 1,717.44	\$ 2,531.75	\$ 1,969.39	\$ 1,957.13	\$ 2,130.65	\$ 2,818.82	\$ 2,999.52	\$ 3,194.15
3)	Total Electric Budget	\$ 4,858,386.57	\$ 4,704,790.31	\$ 5,257,680.00	\$ 7,291,994.08	\$ 9,277,317.90	\$ 13,583,836.37	\$ 19,975,806.79	\$ 27,754,794.60	\$ 38,984,319.76
	Total Fuel Neutral MMBtu Saved									
	\$/Total Fuel Neutral MMBtu Saved (plan)									

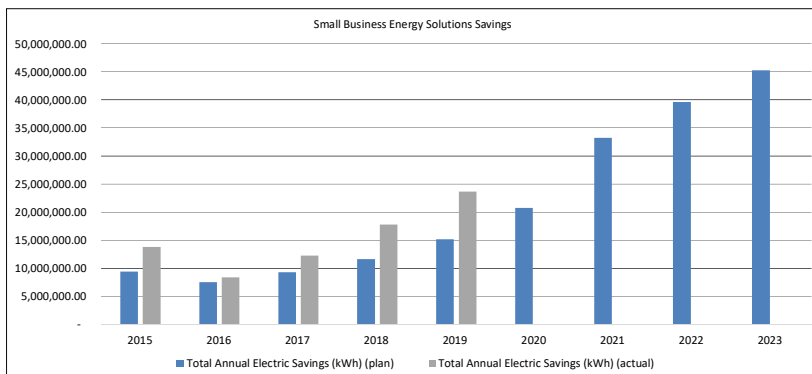
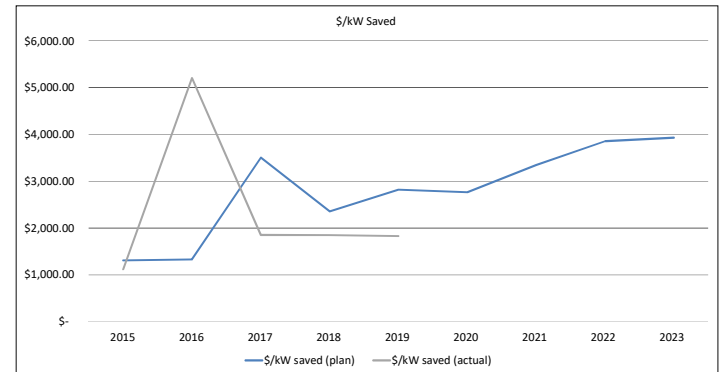
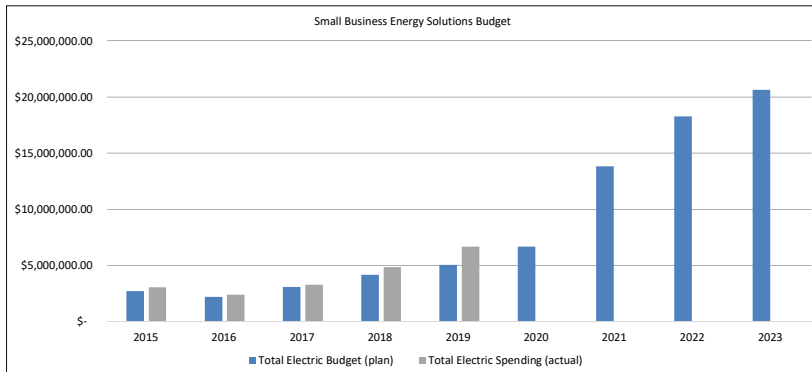
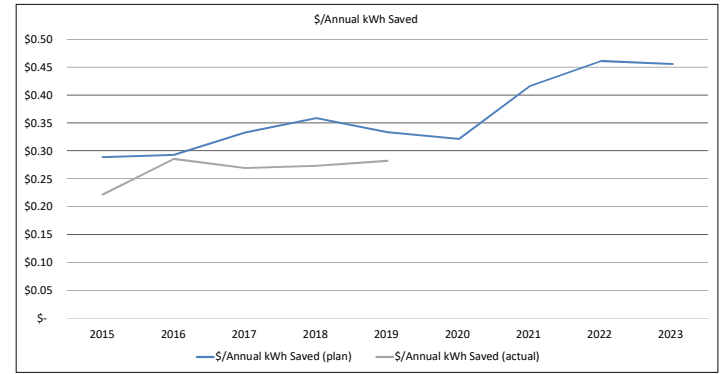
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 4,674,280.43	\$ 4,476,682.34	\$ 5,610,438.18	\$ 7,168,041.24	\$ 9,179,261.33
	Total Annual Electric Savings (kWh) (actu)	20,925,520.22	25,882,542.70	34,891,136.25	34,106,169.33	40,199,699.59
	\$/Annual kWh Saved (actual)	\$ 0.22	\$ 0.17	\$ 0.16	\$ 0.21	\$ 0.23
2)	Total Electric Spending	\$ 4,674,280.43	\$ 4,476,682.34	\$ 5,610,438.18	\$ 7,168,041.24	\$ 9,179,261.33
	Total kW saved	2,564.23	3,392.39	4,628.74	4,073.47	4,495.05
	\$/kW saved (actual)	\$ 1,822.88	\$ 1,319.62	\$ 1,212.09	\$ 1,759.69	\$ 2,042.08
3)	Total Electric Spending	\$ 4,674,280.43	\$ 4,476,682.34	\$ 5,610,438.18	\$ 7,168,041.24	\$ 9,179,261.33
	Total Fuel Neutral MMBtu Saved					
	\$/Total Fuel Neutral MMBtu Saved (actual)					



Small Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 2,729,372.64	\$ 2,205,961.93	\$ 3,104,617.49	\$ 4,184,601.47	\$ 5,056,170.81	\$ 6,678,372.17	\$ 13,821,124.31	\$ 18,268,025.52	\$ 20,619,441.47
	Total Annual Electric Savings (kWh) (plan)	9,447,957.26	7,535,748.40	9,330,764.44	11,667,553.31	15,162,512.29	20,790,420.72	33,212,673.22	39,636,798.75	45,259,167.99
	\$/Annual kWh Saved (plan)	\$ 0.29	\$ 0.29	\$ 0.33	\$ 0.36	\$ 0.33	\$ 0.32	\$ 0.42	\$ 0.46	\$ 0.46
2)	Total Electric Budget	\$ 2,729,372.64	\$ 2,205,961.93	\$ 3,104,617.49	\$ 4,184,601.47	\$ 5,056,170.81	\$ 6,678,372.17	\$ 13,821,124.31	\$ 18,268,025.52	\$ 20,619,441.47
	Total kW saved	2,082.66	1,659.37	885.51	1,774.87	1,791.78	2,414.33	4,131.10	4,738.41	5,247.37
	\$/kW saved (plan)	\$ 1,310.52	\$ 1,329.39	\$ 3,506.02	\$ 2,357.70	\$ 2,821.87	\$ 2,766.14	\$ 3,345.63	\$ 3,855.31	\$ 3,929.48
3)	Total Electric Budget	\$ 2,729,372.64	\$ 2,205,961.93	\$ 3,104,617.49	\$ 4,184,601.47	\$ 5,056,170.81	\$ 6,678,372.17	\$ 13,821,124.31	\$ 18,268,025.52	\$ 20,619,441.47
	Total Fuel Neutral MMBtu Saved							21.86	27.33	32.79
	\$/Total Fuel Neutral MMBtu Saved (plan)							\$ 632,247.43	\$ 668,536.77	\$ 628,824.33

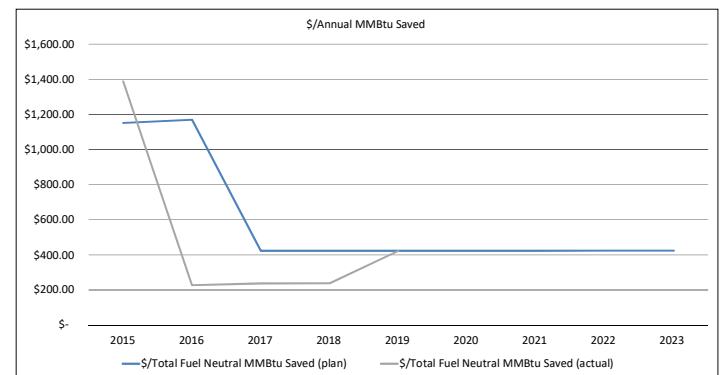
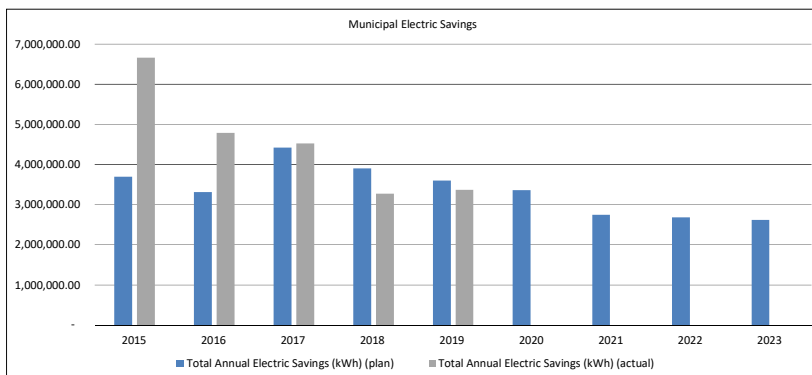
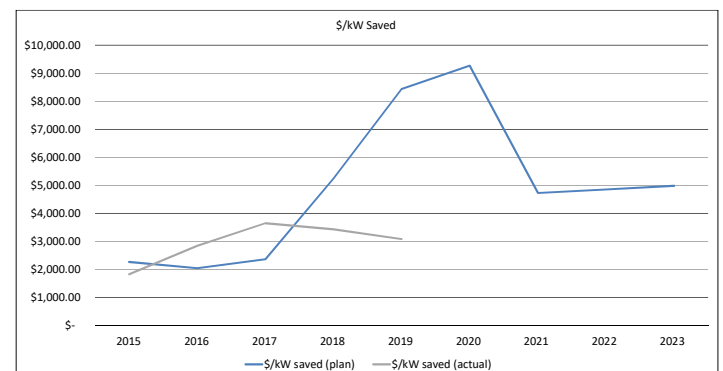
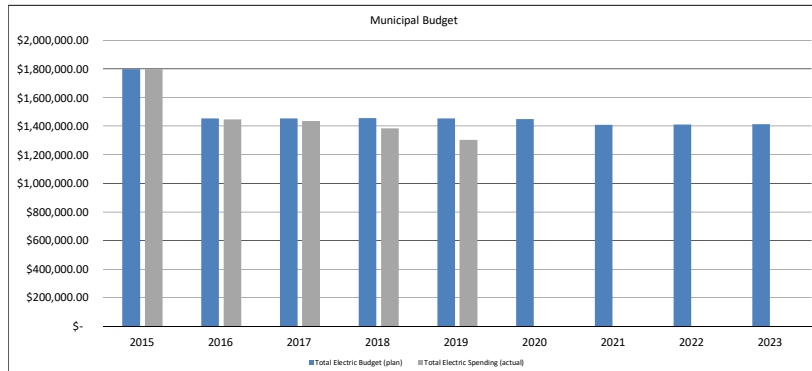
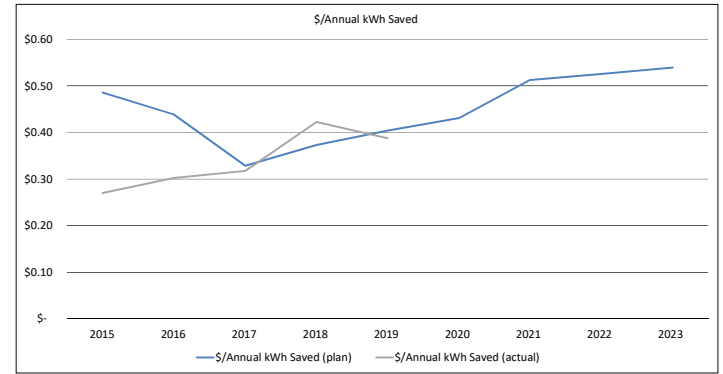
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 3,059,995.12	\$ 2,401,441.56	\$ 3,301,924.13	\$ 4,863,267.41	\$ 6,674,555.27
	Total Annual Electric Savings (kWh) (actu)	13,805,821.64	8,410,520.19	12,254,082.00	17,810,515.28	23,655,091.03
	\$/Annual kWh Saved (actual)	\$ 0.22	\$ 0.29	\$ 0.27	\$ 0.27	\$ 0.28
2)	Total Electric Spending	\$ 3,059,995.12	\$ 2,401,441.56	\$ 3,301,924.13	\$ 4,863,267.41	\$ 6,674,555.27
	Total kW saved	2,731.04	461.50	1,781.57	2,629.00	3,653.67
	\$/kW saved (actual)	\$ 1,120.45	\$ 5,203.55	\$ 1,853.38	\$ 1,849.86	\$ 1,826.81
3)	Total Electric Spending	\$ 3,059,995.12	\$ 2,401,441.56	\$ 3,301,924.13	\$ 4,863,267.41	\$ 6,674,555.27
	Total Fuel Neutral MMBtu Saved					
	\$/Total Fuel Neutral MMBtu Saved (actual)					



Municipal

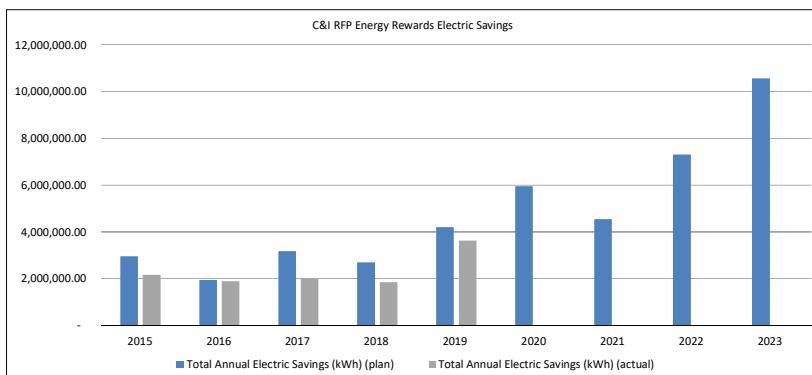
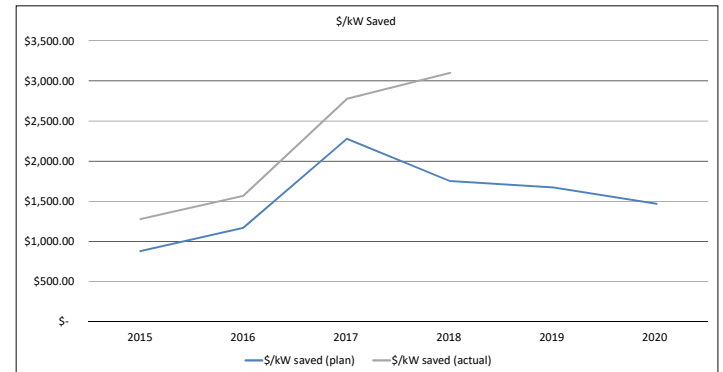
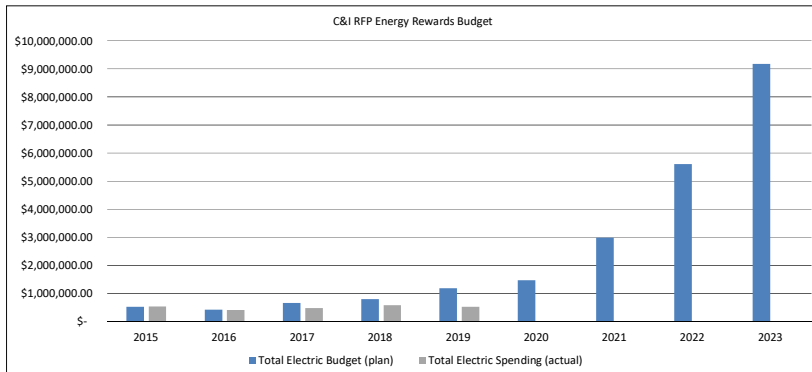
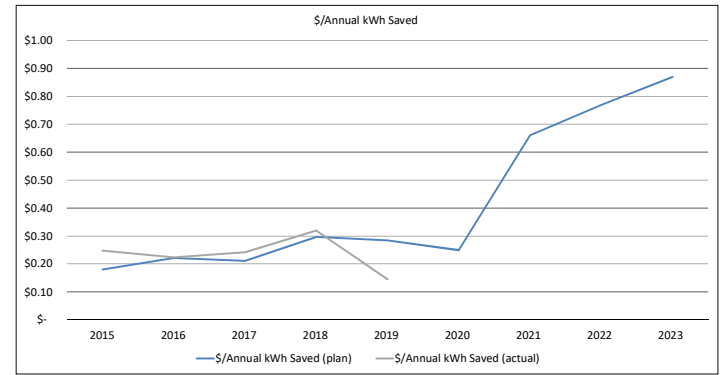
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 1,797,393.00	\$ 1,453,463.00	\$ 1,452,442.83	\$ 1,456,555.00	\$ 1,453,178.57	\$ 1,447,984.57	\$ 1,409,955.83	\$ 1,411,687.20	\$ 1,414,153.04
	Total Annual Electric Savings (kWh) (plan)	3,698,108.00	3,312,917.02	4,419,676.13	3,905,245.08	3,599,497.95	3,364,139.17	2,750,000.00	2,685,500.00	2,622,935.00
	\$/Annual kWh Saved (plan)	\$ 0.49	\$ 0.44	\$ 0.33	\$ 0.37	\$ 0.40	\$ 0.43	\$ 0.51	\$ 0.53	\$ 0.54
2)	Total Electric Budget	\$ 1,797,393.00	\$ 1,453,463.00	\$ 1,452,442.83	\$ 1,456,555.00	\$ 1,453,178.57	\$ 1,447,984.57	\$ 1,409,955.83	\$ 1,411,687.20	\$ 1,414,153.04
	Total kW saved	791.05	709.12	614.36	277.96	172.13	156.23	297.91	290.64	283.59
	\$/kW saved (plan)	\$ 2,272.16	\$ 2,049.67	\$ 2,364.18	\$ 5,240.16	\$ 8,442.44	\$ 9,268.28	\$ 4,732.85	\$ 4,857.15	\$ 4,986.58
3)	Total Electric Budget	\$ 1,797,393.00	\$ 1,453,463.00	\$ 1,452,442.83	\$ 1,456,555.00	\$ 1,453,178.57	\$ 1,447,984.57	\$ 1,409,955.83	\$ 1,411,687.20	\$ 1,414,153.04
	Total Fuel Neutral MMBtu Saved	1,561.73	1,242.64	3,433.10	3,442.82	3,434.84	3,422.56	3,332.68	3,332.68	3,332.68
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 1,150.90	\$ 1,169.65	\$ 423.07	\$ 423.07	\$ 423.07	\$ 423.07	\$ 423.07	\$ 423.59	\$ 424.33

Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 1,798,133.05	\$ 1,447,065.12	\$ 1,436,276.77	\$ 1,384,622.44	\$ 1,304,495.23
	Total Annual Electric Savings (kWh) (actu)	6,663,323.93	4,783,558.00	4,524,552.20	3,277,457.00	3,365,247.69
	\$/Annual kWh Saved (actual)	\$ 0.27	\$ 0.30	\$ 0.32	\$ 0.42	\$ 0.39
2)	Total Electric Spending	\$ 1,798,133.05	\$ 1,447,065.12	\$ 1,436,276.77	\$ 1,384,622.44	\$ 1,304,495.23
	Total kW saved	983.31	508.31	393.39	403.01	421.89
	\$/kW saved (actual)	\$ 1,828.66	\$ 2,846.84	\$ 3,651.03	\$ 3,435.72	\$ 3,092.01
3)	Total Electric Spending	\$ 1,798,133.05	\$ 1,447,065.12	\$ 1,436,276.77	\$ 1,384,622.44	\$ 1,304,495.23
	Total Fuel Neutral MMBtu Saved	1,296.50	6,349.80	6,050.72	5,803.47	3,083.40
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 1,386.91	\$ 227.89	\$ 237.37	\$ 238.59	\$ 423.07



C&I RFP Energy Rewards Program

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 532,143.26	\$ 431,354.63	\$ 668,686.55	\$ 801,059.90	\$ 1,195,560.67	\$ 1,482,952.11	\$ 2,997,161.04	\$ 5,611,934.43	\$ 9,172,068.33
	Total Annual Electric Savings (kWh) (plan)	2,955,930.84	1,948,183.50	3,171,974.18	2,693,943.49	4,205,420.01	5,948,560.33	4,540,000.00	7,300,000.00	10,560,000.00
	\$/Annual kWh Saved (plan)	\$ 0.18	\$ 0.22	\$ 0.21	\$ 0.30	\$ 0.28	\$ 0.25	\$ 0.66	\$ 0.77	\$ 0.87
2)	Total Electric Budget	\$ 532,143.26	\$ 431,354.63	\$ 668,686.55	\$ 801,059.90	\$ 1,195,560.67	\$ 1,482,952.11	\$ 2,997,161.04	\$ 5,611,934.43	\$ 9,172,068.33
	Total kW saved	606.12	367.83	293.53	457.56	714.28	1,010.34	424.20	656.50	923.80
	\$/kW saved (plan)	\$ 877.95	\$ 1,172.69	\$ 2,278.10	\$ 1,750.73	\$ 1,673.81	\$ 1,467.77	\$ 7,065.44	\$ 8,548.26	\$ 9,928.63
3)	Total Electric Budget	\$ 532,143.26	\$ 431,354.63	\$ 668,686.55	\$ 801,059.90	\$ 1,195,560.67	\$ 1,482,952.11	\$ 2,997,161.04	\$ 5,611,934.43	\$ 9,172,068.33
	Total Fuel Neutral MMBtu Saved									
	\$/Total Fuel Neutral MMBtu Saved (plan)									
Actuals		2015	2016	2017	2018	2019				
1)	Total Electric Spending (actual)	\$ 537,929.38	\$ 422,586.60	\$ 486,616.60	\$ 592,467.61	\$ 528,249.27				
	Total Annual Electric Savings (kWh) (actu)	2,169,714.00	1,888,877.00	2,011,970.00	1,854,063.00	3,625,832.00				
	\$/Annual kWh Saved (actual)	\$ 0.25	\$ 0.22	\$ 0.24	\$ 0.32	\$ 0.15				
2)	Total Electric Spending	\$ 537,929.38	\$ 422,586.60	\$ 486,616.60	\$ 592,467.61	\$ 528,249.27				
	Total kW saved	420.48	269.00	175.38	191.18	349.39				
	\$/kW saved (actual)	\$ 1,279.31	\$ 1,570.93	\$ 2,774.69	\$ 3,099.02	\$ 1,511.93				
3)	Total Electric Spending	\$ 537,929.38	\$ 422,586.60	\$ 486,616.60	\$ 592,467.61	\$ 528,249.27				
	Total Fuel Neutral MMBtu Saved									
	\$/Total Fuel Neutral MMBtu Saved (actual)									



Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.45	0.39	2.62	3,488.1	556.0	3,726.7	1,421.8	0.0	364.3	5,975.6	65.5	40.4	293	2,029.4	42,528.0
A1 - Energy Star Homes	6.19	0.50	7.70	1,674.6	134.2	2,337.7	270.4	33.2	112.0	2,600.4	24.3	1.6	60	1,885.6	47,096.2
A2 - Home Performance with Energy Star	1.82	0.33	2.16	834.1	150.8	1,176.2	457.2	86.3	77.0	1,209.5	14.0	16.8	50	1,349.4	26,957.5
A3 - Energy Star Products	1.55	1.39	2.62	1,465.1	1,319.2	2,517.0	948.1	12.1	1,716.4	12,445.0	312.3	240.5	28,290	119.1	1,667.3
A4 - Home Energy Reports	0.72	0.72	1.29	93.4	93.4	167.1	129.2	-	796.254	796.3	171.9	110.9	10,256	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	37.8	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	39.8	-	-	-	-	-	-	-	-
A6d - Res Energy Optimization	-	-	-	-	-	-	45.0	-	-	-	-	-	-	-	-
Sub-Total Residential	2.26	0.67	2.85	7,555.3	2,253.6	9,924.7	3,349.3	131.6	3,066.0	23,026.8	588.0	410.2	38,949	5,383.5	118,248.9
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	4.01	4.01	3.04	6,845.5	6,845.5	11,312.1	1,709.0	2,011.7	5,215.4	70,814.7	530.6	603.7	235	-	-
C2 - Small Business Energy Solutions	4.31	4.31	3.77	6,208.7	6,207.9	10,048.9	1,439.1	1,223.6	4,406.2	59,028.2	720.0	623.4	318	-	-
C3 - Municipal Energy Solutions	2.42	2.21	1.73	429.3	393.2	701.3	177.6	226.9	386.4	5,108.2	45.4	31.0	94	55.6	1,103.7
C5 - C&I Active Demand Response	2.67	2.67	2.94	726.2	726.2	798.8	271.6	-	-	-	-	-	34	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	50.2	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	33.0	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.86	3.85	3.20	14,209.7	14,172.8	22,861.1	3,680.4	3,462.1	10,008.0	134,951.1	1,296.0	1,258.1	681	55.6	1,103.7
Total	3.10	2.34	3.09	21,765.0	16,426.4	32,785.8	7,029.7	3,593.8	13,074.0	157,977.9	1,884.1	1,668.3	39,630	5,439.1	119,352.6

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars

Annual kWh Savings	13,073,992	89.1%	kWh > 55%	Lifetime kWh Savings	157,977,934	81.9%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>1,594,037</u>	<u>10.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>34,978,803</u>	<u>18.1%</u>	
	14,668,030	100.0%			192,956,737	100.0%	

Annual Savings as a % of 2019 Sales	1.45%	Spending per Customer	Low-Income	\$	1,156.86
			Residential	\$	50.15
			C&I	\$	441.40

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.53	0.40	2.70	4,015.4	642.8	4,286.8	1,589.8	0.0	410.7	6,737.4	73.9	45.6	331	2,315.7	48,638.8
A1 - Energy Star Homes	6.61	0.53	8.21	2,021.2	160.8	2,817.7	305.7	37.5	130.7	3,033.8	28.4	1.8	70	2,199.9	54,945.2
A2 - Home Performance with Energy Star	1.91	0.35	2.27	1,180.2	215.8	1,662.5	617.4	115.9	106.6	1,672.8	19.2	23.6	69	1,824.1	36,559.3
A3 - Energy Star Products	1.76	1.58	2.83	1,510.5	1,361.3	2,590.4	859.3	57.1	1,341.8	12,769.8	225.9	183.7	18,758	119.1	1,667.2
A4 - Home Energy Reports	1.05	1.05	1.90	133.0	133.0	239.5	126.1	-	1,153	1,152.7	248.8	160.5	10,256	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	38.7	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	45.4	-	-	-	-	-	-	-	-
A6d - Res Energy Optimization	-	-	-	-	-	-	43.6	-	-	-	-	-	-	-	-
Sub-Total Residential	2.44	0.69	3.02	8,860.3	2,513.6	11,596.9	3,626.0	210.5	3,142.5	25,366.6	596.2	415.3	29,484	6,458.7	141,810.5
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.67	3.67	2.74	7,514.8	7,514.8	12,289.0	2,047.9	2,432.8	6,035.9	81,531.3	601.6	703.0	276	-	-
C2 - Small Business Energy Solutions	3.42	3.42	3.00	5,572.8	5,571.6	9,130.1	1,630.0	1,410.9	4,927.5	65,617.5	694.5	521.4	380	-	-
C3 - Municipal Energy Solutions	2.52	2.30	1.81	433.4	396.0	705.4	172.0	216.9	382.0	5,049.3	44.8	30.3	93	55.6	1,103.7
C5 - C&I Active Demand Response	2.95	2.95	3.25	1,112.2	1,112.2	1,223.5	376.9	-	-	-	-	-	51	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	51.3	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	44.7	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.39	3.38	2.78	14,633.3	14,594.7	23,348.0	4,322.9	4,060.6	11,345.4	152,198.0	1,340.9	1,254.6	800	55.6	1,103.7
Total	2.96	2.15	2.86	23,493.6	17,108.3	34,944.9	7,948.9	4,271.1	14,487.9	177,564.6	1,937.2	1,669.9	30,284	6,514.3	142,914.2

Notes:

- (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
- (2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	14,487,921	88.4%	kWh > 55%	Lifetime kWh Savings	177,564,593	80.9%	kWh > 55%
	Annual MMBTU Savings (in kWh)	1,909,154	11.6%		Lifetime MMBTU Savings (in kWh)	41,884,008	19.1%	
		16,397,075	100.0%			219,448,602	100.0%	
Annual Savings as a % of 2019 Sales	1.61%			Spending per Customer	Low-Income	\$ 1,293.55		
					Residential	\$ 52.97		
					C&I	\$ 518.46		

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.73	0.44	2.92	4,855.7	789.9	5,182.7	1,776.8	0.0	492.1	8,052.5	88.5	54.6	396	2,725.4	57,000.0
A1 - Energy Star Homes	7.56	0.63	9.31	2,396.1	201.2	3,339.1	317.1	41.5	153.9	3,551.3	33.2	3.3	80	2,514.1	62,794.4
A2 - Home Performance with Energy Star	2.31	0.41	2.68	1,574.7	280.7	2,212.0	681.2	143.6	136.2	2,100.1	24.5	30.3	88	2,370.8	47,275.0
A3 - Energy Star Products	2.14	1.94	3.01	1,634.0	1,479.7	2,793.5	764.6	164.8	1,147.0	13,596.4	177.7	155.5	18,758	120.4	1,686.1
A4 - Home Energy Reports	1.83	1.83	3.30	225.6	225.6	405.6	123.0	-	1,914.0	1,914.0	413.2	266.5	10,256	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	39.9	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	54.4	-	-	-	-	-	-	-	-
A6d - Res Energy Optimization	-	-	-	-	-	-	42.2	-	-	-	-	-	-	-	-
Sub-Total Residential	2.81	0.78	3.36	10,686.1	2,977.1	13,932.9	3,799.3	350.0	3,843.3	29,214.4	737.1	510.2	29,579	7,730.8	168,755.6
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.78	3.78	2.81	8,944.6	8,944.6	14,562.2	2,366.3	2,813.7	6,939.2	93,277.7	676.4	817.6	276	-	-
C2 - Small Business Energy Solutions	3.42	3.42	3.04	6,461.3	6,459.8	10,507.8	1,890.1	1,569.4	5,460.4	72,483.1	767.0	600.4	380	-	-
C3 - Municipal Energy Solutions	2.67	2.44	1.91	444.8	406.1	720.0	166.6	209.5	380.7	5,031.1	44.7	30.1	93	55.6	1,103.7
C5 - C&I Active Demand Response	3.09	3.09	3.39	1,699.8	1,699.8	1,869.8	550.8	-	-	-	-	-	77	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	52.9	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	58.2	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.45	3.44	2.86	17,550.5	17,510.3	27,659.8	5,084.9	4,592.7	12,780.3	170,791.9	1,488.1	1,448.0	825	55.6	1,103.7
Total	3.18	2.31	3.01	28,236.6	20,487.4	41,592.7	8,884.2	4,942.7	16,623.6	200,006.3	2,225.2	1,958.3	30,404	7,786.4	169,859.3

Notes:
 (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
 (2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	16,623,566	87.9%	kWh > 55%	Lifetime kWh Savings	200,006,278	80.1%	kWh > 55%
	Annual MMBTU Savings (in kWh)	2,281,965	12.1%		Lifetime MMBTU Savings (in kWh)	49,780,845	19.9%	
		18,905,531	100.0%			249,787,123	100.0%	
Annual Savings as a % of 2019 Sales	1.85%			Spending per Customer	Low-Income	\$ 1,445.76		
					Residential	\$ 52.62		
					C&I	\$ 609.85		

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.58	0.42	2.76	12,359.3	1,988.6	13,196.3	4,788.4	0.1	1,267.2	20,765.6	227.9	140.7	1,020	7,070.5	148,166.8
A1 - Energy Star Homes	6.82	0.56	8.45	6,091.9	496.1	8,494.5	893.1	112.1	396.6	9,185.5	85.9	6.7	210	6,599.6	164,835.8
A2 - Home Performance with Energy Star	2.04	0.37	2.40	3,589.0	647.2	5,050.6	1,755.8	345.8	319.8	4,982.5	57.7	70.7	207	5,544.2	110,791.8
A3 - Energy Star Products	1.79	1.62	2.82	4,609.6	4,160.3	7,900.9	2,572.0	234.0	4,205.3	38,811.3	715.9	579.7	65,807	358.6	5,020.6
A4 - Home Energy Reports	1.19	1.19	2.15	452.0	452.0	812.2	378.3	-	3,862.9	3,862.9	833.9	537.9	30,768	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	116.5	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	139.7	-	-	-	-	-	-	-	-
A6d - Res Energy Optimization	-	-	-	-	-	-	130.8	-	-	-	-	-	-	-	-
Sub-Total Residential	2.52	0.72	3.09	27,101.8	7,744.3	35,454.5	10,774.6	692.1	10,051.7	77,607.8	1,921.4	1,335.7	98,012	19,573.0	428,815.0
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.81	3.81	2.85	23,304.9	23,304.9	38,163.3	6,123.2	7,258.2	18,190.5	245,623.6	1,808.7	2,124.3	788	-	-
C2 - Small Business Energy Solutions	3.68	3.68	3.24	18,242.8	18,239.4	29,686.8	4,959.2	4,203.9	14,794.1	197,128.8	2,181.5	1,745.1	1,077	-	-
C3 - Municipal Energy Solutions	2.53	2.32	1.82	1,307.5	1,195.3	2,126.7	516.2	653.3	1,149.1	15,188.6	134.9	91.3	279	166.8	3,311.1
C5 - C&I Active Demand Response	2.95	2.95	3.25	3,538.2	3,538.2	3,892.0	1,199.3	-	-	-	-	-	162	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	154.4	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	135.9	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.54	3.54	2.93	46,393.4	46,277.8	73,868.9	13,088.2	12,115.4	34,133.8	457,941.0	4,125.0	3,960.8	2,306	166.8	3,311.1
Total	3.08	2.26	2.98	73,495.2	54,022.1	109,323.4	23,862.8	12,807.5	44,185.5	535,548.8	6,046.4	5,296.5	100,318	19,739.8	432,126.1

Notes:
 (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
 (2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	44,185,479	88.4%	kWh > 55%	Lifetime kWh Savings	535,548,805	80.9%	kWh > 55%
	Annual MMBTU Savings (in kWh)	5,785,156	11.6%		Lifetime MMBTU Savings (in kWh)	126,643,657	19.1%	
		49,970,636	100.0%			662,192,462	100.0%	
Cumulative Savings as a % of 2019 Sales	4.91%			Spending per Customer	Low-Income	\$ 3,896.17		
					Residential	\$ 155.74		
					C&I	\$ 1,569.70		

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of		Actual PI	Source
					Coefficient	Coefficient	Planned PI	Planned PI		
1 Lifetime kWh Savings	157,977,934	102,685,657		-	1.925%	-	\$ 135,322	\$ 169,152	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	13,073,992	8,498,095		-	0.550%	-	\$ 38,663	\$ 48,329	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,668	1,084		-	0.495%	-	\$ 34,797	\$ 43,496	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,884	1,225		-	0.330%	-	\$ 23,198	\$ 28,998	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	3,343	2,173		-	0.275%	-	\$ 19,332	\$ 24,165	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 19,834,863			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 7,029,699			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 12,805,164	\$ 8,323,356	\$ -	-	1.925%	-	\$ 135,322	\$ 169,152	\$ -	Line 5 minus line 6
9 Total				-	5.500%	-	\$ 386,633	\$ 483,292	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 21,765,021		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 386,633	\$ -	from row 9 above
12 Total Utility Costs	\$ 7,029,699	\$ -	from row 7 above
13 Portfolio GST BCR	2.93	-	row 10 divided by rows 11+12

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.

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	Planned PI	125% of	Actual PI	Source
					Coefficient	Coefficient		Planned PI		
1 Lifetime kWh Savings	177,564,593	115,416,986		-	1.925%	-	\$ 153,016	\$ 191,270	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	14,487,921	9,417,149		-	0.550%	-	\$ 43,719	\$ 54,648	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,670	1,085		-	0.495%	-	\$ 39,347	\$ 49,184	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,937	1,259		-	0.330%	-	\$ 26,231	\$ 32,789	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	5,015	3,260		-	0.275%	-	\$ 21,859	\$ 27,324	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 21,284,994			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 7,948,863			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 13,336,131	\$ 8,668,485	\$ -	-	1.925%	-	\$ 153,016	\$ 191,270	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 437,187	\$ 546,484	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 23,493,569		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 437,187	\$ -	from row 9 above
12 Total Utility Costs	\$ 7,948,863	\$ -	from row 7 above
13 Portfolio GST BCR	2.80	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2022\$) is \$451,396.06.

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.

Portfolio Planned Versus Actual Performance - 2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	Planned PI	125% of	Actual PI	Source
					Coefficient	Coefficient		Planned PI		
1 Lifetime kWh Savings	200,006,278	130,004,080		-	1.925%	-	\$ 171,021	\$ 213,776	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	16,623,566	10,805,318		-	0.550%	-	\$ 48,863	\$ 61,079	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,958	1,273		-	0.495%	-	\$ 43,977	\$ 54,971	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	2,225	1,446		-	0.330%	-	\$ 29,318	\$ 36,647	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	7,522	4,889		-	0.275%	-	\$ 24,432	\$ 30,539	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 25,567,590			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 8,884,197			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 16,683,393	\$ 10,844,206	\$ -	-	1.925%	-	\$ 171,021	\$ 213,776	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 488,631	\$ 610,789	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 28,236,605		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 488,631	\$ -	from row 9 above
12 Total Utility Costs	\$ 8,884,197	\$ -	from row 7 above
13 Portfolio GST BCR	3.01	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$520,907.96.

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.

Portfolio Planned Versus Actual Performance - 2021-2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of		Actual PI	Source
					Coefficient	Coefficient	Planned PI	Planned PI		
1 Lifetime kWh Savings	535,548,805	348,106,723		-	1.925%	-	\$ 459,358	\$ 574,198	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	44,185,479	28,720,562		-	0.550%	-	\$ 131,245	\$ 164,056	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	5,296	3,443		-	0.495%	-	\$ 118,121	\$ 147,651	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	6,046	3,930		-	0.330%	-	\$ 78,747	\$ 98,434	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	15,880	10,322		-	0.275%	-	\$ 65,623	\$ 82,028	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 66,687,447			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 23,862,759			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 42,824,688	\$ 27,836,047	\$ -	-	1.925%	-	\$ 459,358	\$ 574,198	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 1,312,452	\$ 1,640,565	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 73,495,195		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 1,312,452	\$ -	from row 9 above
12 Total Utility Costs	\$ 23,862,759	\$ -	from row 7 above
13 Portfolio GST BCR	2.92	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Three-year nominal PI is \$1,358,937.48.

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.

ADR Program Cost-Effectiveness

2021									
	Benefit/Cost	Benefit (\$000)	Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio								
Residential Programs									
A5 - Residential Active Demand Response	0.00	-	-	-	-	-	-	-	-
Sub-Total Residential	0.00	-	-	-	-	-	-	-	-
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	2.67	726.2	271.6	-	-	-	-	3,343.2	-
Sub-Total Commercial & Industrial	2.67	726.2	271.6	-	-	-	-	3,343.2	-
Total	2.67	726.2	271.6	-	-	-	-	3,343.2	-

(1) Utility and Customer Costs in 2021 Dollars

2022									
	Benefit/Cost	Benefit (\$000)	Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio								
Residential Programs									
A5 - Residential Active Demand Response	0.00	-	-	-	-	-	-	-	-
Sub-Total Residential	0.00	-	-	-	-	-	-	-	-
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	2.95	1,112.2	376.9	-	-	-	-	5,014.8	-
Sub-Total Commercial & Industrial	2.95	1,112.2	376.9	-	-	-	-	5,014.8	-
Total	2.95	1,112.2	376.9	-	-	-	-	5,014.8	-

(1) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs tab.

2023									
	Benefit/Cost	Benefit (\$000)	Utility Costs (\$000 - 2021\$) ¹	Customer Costs (\$000 - 2021\$) ¹	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
	Ratio								
Residential Programs									
A5 - Residential Active Demand Response	0.00	-	-	-	-	-	-	-	-
Sub-Total Residential	0.00	-	-	-	-	-	-	-	-
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	3.09	1,699.8	550.8	-	-	-	-	7,522.2	-
Sub-Total Commercial & Industrial	3.09	1,699.8	550.8	-	-	-	-	7,522.2	-
Total	3.09	1,699.8	550.8	-	-	-	-	7,522.2	-

(1) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs tab.

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023			
B1a - HEA (Weatherization)	Air Sealing, Cord Wood	E21B1a001	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B1a - HEA (Weatherization)	Air Sealing, Electric	E21B1a002	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Air Sealing, Gas	E21B1a003	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Air Sealing, Kerosene	E21B1a004	2	2	2	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	0.7	0.8	0.9	10.4	11.7	14.0	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Air Sealing, Oil	E21B1a005	6	7	8	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	0.4	0.5	0.6	6.7	7.6	9.1	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Air Sealing, Propane	E21B1a006	3	3	4	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	0.7	0.7	0.9	9.8	11.0	13.2	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Air Sealing, Wood Pellets	E21B1a007	2	2	2	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	2.4	2.7	3.3	36.4	41.1	49.2	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Cord Wood	E21B1a008	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Electric	E21B1a009	80	90	108	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	3.4	3.8	4.6	23.8	26.9	32.2	0.7	0.8	0.9	0.3	0.3	0.3	-	-			
B1a - HEA (Weatherization)	Faucet Aerator, Gas	E21B1a010	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Kerosene	E21B1a011	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Oil	E21B1a012	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Propane	E21B1a013	17	19	23	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Faucet Aerator, Wood Pellets	E21B1a014	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Cord Wood	E21B1a015	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Electric	E21B1a016	35	40	48	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	4.7	5.3	6.3	32.7	36.9	44.2	0.9	1.0	1.2	0.4	0.4	0.5	-	-			
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	E21B1a017	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Kerosene	E21B1a018	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Oil	E21B1a019	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Propane	E21B1a020	8	9	10	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Hand Held Showerhead, Wood Pellets	E21B1a021	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Insulation, Cord Wood	E21B1a022	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Insulation, Electric	E21B1a023	171	192	230	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	116.8	131.6	157.7	2,918.9	3,289.3	3,942.9	37.1	41.8	50.1	-	-	-	-	-			
B1a - HEA (Weatherization)	Insulation, Gas	E21B1a024	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Insulation, Kerosene	E21B1a025	12	14	17	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	2.2	2.5	3.0	56.2	63.4	76.0	-	-	-	1.2	1.4	1.7	273.8	308.6			
B1a - HEA (Weatherization)	Insulation, Oil	E21B1a026	66	74	89	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	6.5	7.4	8.8	163.6	184.3	220.9	-	-	-	3.6	4.1	4.9	252.5	284.5			
B1a - HEA (Weatherization)	Insulation, Propane	E21B1a027	43	48	58	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	2.2	2.5	3.0	55.0	62.0	74.3	-	-	-	1.2	1.4	1.6	343.2	386.8			
B1a - HEA (Weatherization)	Insulation, Wood Pellets	E21B1a028	2	2	2	25	25	25	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	3.0	3.4	4.0	74.4	83.8	100.5	-	-	-	1.6	1.8	2.2	12.6	14.3			
B1a - HEA (Weatherization)	Low Flow Showerhead, Cord Wood	E21B1a029	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Low Flow Showerhead, Electric	E21B1a030	6	7	8	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	0.8	0.9	1.1	5.7	6.4	7.7	0.2	0.2	0.2	0.1	0.1	0.1	-	-			
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	E21B1a031	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Low Flow Showerhead, Kerosene	E21B1a032	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Low Flow Showerhead, Oil	E21B1a033	6	7	8	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Low Flow Showerhead, Propane	E21B1a034	78	88	106	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Low Flow Showerhead, Wood Pellets	E21B1a035	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Cord Wood	E21B1a036	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Electric	E21B1a037	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	E21B1a038	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Kerosene	E21B1a039	3	3	4	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	0.6	0.7	0.9	9.6	10.8	12.9	-	-	-	-	-	-	-	-			
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Oil	E21B1a040	2	2	2	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Propane	E21B1a041	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Wood Pellets	E21B1a042	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	DHW Heat Pump Water Heater	E21B1a043	-	-	-	13	13	13	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-				
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	E21B1a044	360	405	486	2	2	2	100%	100%	100%	100%	100%	100%	100%	91%	91%	91%	11.5	13.0	15.6	23.1	26.0	15.6	2.5	2.8	3.4	1.6	1.8						

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU			
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023				
B1b - HEA (HVAC System)	Wifi Thermostat, Oil	E21B1b018	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%																			
B1b - HEA (HVAC System)	Wifi Thermostat, Propane	E21B1b019	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%																			
B1b - HEA (HVAC System)	Wifi Thermostat, Wood Pellets	E21B1b020	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%																			
B1b - HEA (HVAC System)	Mini Split HP (cooling)	E21B1b021	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	91%	91%	91%																			
B1b - HEA (HVAC System)	Mini Split HP (heating)	E21B1b022	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	91%	91%	91%																			
Home Energy Assistance Subtotal																		364.3	410.7	492.1	5,975.6	6,737.4	8,052.5	65.5	73.9	88.5	40.4	45.6	54.6	2,029.4	2,315.7	2,725.4	42,528.0	48,638.8	57,000.0	

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU				
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023					
A1a - ES Homes	Cooling, Electric, SF	E21A1a001	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	Heating, Electric, SF	E21A1a002	4	5	6	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
A1a - ES Homes	Heating, Gas, SF	E21A1a003	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
A1a - ES Homes	Heating, Oil, SF	E21A1a004	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
A1a - ES Homes	Heating, Propane, SF	E21A1a005	56	65	74	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Wood Pellets, SF	E21A1a006	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Electric, SF	E21A1a007	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Gas, SF	E21A1a008	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Oil, SF	E21A1a009	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Propane, SF	E21A1a010	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Wood Pellets, SF	E21A1a011	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Cooling, Electric, MF	E21A1a012	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Electric, MF	E21A1a013	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Gas, MF	E21A1a014	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Oil, MF	E21A1a015	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Propane, MF	E21A1a016	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Heating, Wood Pellets, MF	E21A1a017	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Electric, MF	E21A1a018	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Gas, MF	E21A1a019	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Oil, MF	E21A1a020	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Propane, MF	E21A1a021	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Hot Water, Wood Pellets, MF	E21A1a022	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	LED Bulb	E21A1a023	617	720	823	3	3	2	100%	100%	100%	98%	98%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	LED Fixture	E21A1a024	373	435	497	3	3	2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Refrigerator	E21A1a025	48	56	64	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Clothes Washer	E21A1a026	15	17	20	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Clothes Dryer	E21A1a027	13	15	18	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	HERS - Lighting and Appliances	E21A1a028	-	-	-	1	1	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
A1a - ES Homes	Residential New Construction Code Compliance	E21A1a029	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
ES Homes Subtotal																																					

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU			
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	
A2a - HPwES (Weatheriza)	Air Sealing, Cord Wood	E21A2a001	3	5	6	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	4.1	6.2	7.8	62.1	92.4	117.7	-	-	-	2.3	3.4	4.3	22.7	33.8	43.1	340.9	507.0	646.0	
A2a - HPwES (Weatheriza)	Air Sealing, Electric	E21A2a002	6	8	10	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	7.8	10.9	13.9	117.4	163.3	208.1	2.5	3.5	4.4	-	-	-	-	-	-	-	-		
A2a - HPwES (Weatheriza)	Air Sealing, Gas	E21A2a003	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A2a - HPwES (Weatheriza)	Air Sealing, Kerosene	E21A2a004	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A2a - HPwES (Weatheriza)	Air Sealing, Oil	E21A2a005	18	24	31	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	2.8	3.7	4.8	41.6	56.1	71.5	-	-	-	1.5	2.1	2.6	228.3	308.3	392.8	3,425.2	4,624.8	5,891.9	
A2a - HPwES (Weatheriza)	Air Sealing, Propane	E21A2a006	8	11	15	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	2.0	2.7	3.5	30.2	40.9	52.1	-	-	-	1.1	1.5	1.9	83.3	112.9	143.9	1,250.2	1,694.0	2,158.1	
A2a - HPwES (Weatheriza)	Air Sealing, Wood Pellets	E21A2a007	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A2a - HPwES (Weatheriza)	Faucet Aerator, Cord Wood	E21A2a008	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A2a - HPwES (Weatheriza)	Faucet Aerator, Electric	E21A2a009	2	2	3	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	0.1	0.1	0.1	0.5	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Faucet Aerator, Gas	E21A2a010	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Faucet Aerator, Kerosene	E21A2a011	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Faucet Aerator, Oil	E21A2a012	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Faucet Aerator, Propane	E21A2a013	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Faucet Aerator, Wood Pellets	E21A2a014	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Cord Wood	E21A2a015	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Electric	E21A2a016	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Gas	E21A2a017	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Kerosene	E21A2a018	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Oil	E21A2a019	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Propane	E21A2a020	0	1	1	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Hand Held Showerhead, Wood Pellets	E21A2a021	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Insulation, Cord Wood	E21A2a022	3	5	6	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	0.9	1.2	1.5	21.8	30.0	38.2	-	-	-	0.5	0.7	0.8	49.7	68.5	87.3	1,243.6	1,712.8	2,182.1	
A2a - HPwES (Weatheriza)	Insulation, Electric	E21A2a023	4	6	8	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	21.1	29.1	37.0	527.4	726.5	925.4	6.7	9.2	11.8	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Insulation, Gas	E21A2a024	-	-	-	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Insulation, Kerosene	E21A2a025	-	-	-	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Insulation, Oil	E21A2a026	34	47	59	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	8.6	11.8	15.1	214.6	295.6	376.6	-	-	-	4.7	6.5	8.3	471.7	649.7	827.6	11,791.7	16,241.5	20,691.2	
A2a - HPwES (Weatheriza)	Insulation, Propane	E21A2a027	8	11	15	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	2.1	2.9	3.7	52.9	72.8	92.8	-	-	-	1.2	1.6	2.0	143.4	197.6	251.7	3,586.0	4,939.2	6,292.3	
A2a - HPwES (Weatheriza)	Insulation, Wood Pellets	E21A2a028	-	-	-	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Cord Wood	E21A2a029	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Electric	E21A2a030	3	4	5	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	0.4	0.6	0.7	3.0	4.1	5.2	0.1	0.1	0.1	0.0	0.0	0.1	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Gas	E21A2a031	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Kerosene	E21A2a032	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Oil	E21A2a033	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Propane	E21A2a034	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Low Flow Showerhead, Wood Pellets	E21A2a035	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Cord Wood	E21A2a036	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Electric	E21A2a037	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Gas	E21A2a038	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Kerosene	E21A2a039	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Oil	E21A2a040	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza)	Pipe Insulation - Hot Water, Propane	E21A2a041	3	4																																

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A3a - ES Lighting	LED Bulb, General Service Lamps	E21A3a001	53,079	35,047	-	3	3	2	33%	23%	13%	89%	89%	89%	100%	100%	100%	453.7	208.8	0.8	1,361.0	626.3	97.9	45.1	63.2	29.1	-	-	-	-	-	-			
A3a - ES Lighting	LED Bulb, Linear	E21A3a002	9,906	5,996	738	10	10	9	33%	23%	13%	91%	91%	91%	100%	100%	100%	27.7	11.7	0.8	276.7	116.7	6.0	2.5	3.9	1.6	0.1	-	-	-	-	-			
A3a - ES Lighting	LED Bulb, Other Specialty	E21A3a003	14,598	11,066	7,377	3	3	2	33%	23%	13%	91%	91%	91%	100%	100%	100%	139.8	73.9	27.8	419.5	221.7	30.2	15.9	6.0	19.5	10.3	3.9	-	-	-				
A3a - ES Lighting	LED Bulb, Reflector	E21A3a004	15,365	4,841	-	2	2	1	33%	23%	13%	91%	91%	91%	100%	100%	100%	162.9	35.8	0.8	325.8	71.5	35.2	7.7	22.7	5.0	-	-	-	-	-				
A3a - ES Lighting	LED Bulb, General Service Lamps (Hard to Reach)	E21A3a005	3,058	2,038	1,359	3	3	2	53%	43%	33%	89%	89%	89%	100%	100%	100%	42.0	22.7	11.6	125.9	68.1	9.1	4.9	2.5	5.8	3.2	1.6	-	-	-				
A3a - ES Lighting	LED Bulb, Linear (Hard to Reach)	E21A3a006	546	364	243	10	10	9	53%	43%	33%	91%	91%	91%	100%	100%	100%	2.4	1.3	0.7	24.5	13.2	6.1	0.5	0.3	0.1	0.3	0.2	0.1	-	-				
A3a - ES Lighting	LED Bulb, Other Specialty (Hard to Reach)	E21A3a007	874	582	388	3	3	2	53%	43%	33%	91%	91%	91%	100%	100%	100%	13.4	7.3	3.7	40.3	21.8	7.4	2.9	1.6	0.8	1.9	1.0	0.5	-	-				
A3a - ES Lighting	LED Bulb, Reflector (Hard to Reach)	E21A3a008	1,529	1,019	679	2	2	1	53%	43%	33%	91%	91%	91%	100%	100%	100%	26.0	14.1	7.2	52.1	28.2	7.2	5.6	3.0	1.6	3.6	2.0	1.0	-	-				
A3a - ES Lighting	LED Fixture	E21A3a009	4,133	3,155	1,894	3	3	3	33%	23%	13%	91%	91%	91%	100%	100%	100%	32.8	17.4	5.9	98.3	52.3	17.7	7.1	3.8	1.3	4.6	2.4	0.8	-	-				
A3a - ES Lighting	LED Fixture (Hard to Reach)	E21A3a010	218	145	97	3	3	3	53%	43%	33%	91%	91%	91%	100%	100%	100%	2.8	1.5	0.8	8.3	4.5	2.3	0.6	0.3	0.2	0.4	0.2	0.1	-	-				
A3b - ES Appliances	Advanced Power Strip, Tier I	E21A3b001	-	-	-	5	5	5	100%	100%	100%	81%	81%	81%	92%	92%	92%	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
A3b - ES Appliances	Advanced Power Strip, Tier II	E21A3b002	-	-	-	5	5	5	100%	100%	100%	74%	74%	74%	92%	92%	92%	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (cooling)	E21A3b003	5	5	6	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	1.1	1.1	1.3	19.8	19.8	23.8	-	-	-	0.6	0.6	0.7	-	-				
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (heating)	E21A3b004	5	5	6	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	10.4	10.4	12.5	187.8	187.8	225.4	3.3	3.3	4.0	-	-	-	-	-				
A3c - ES HVAC Systems	Mini Split HP (assumed 1.5 ton) (cooling)-Mini Split Ba	E21A3b005	225	301	410	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	23.2	31.0	42.2	416.9	558.2	759.6	-	-	-	12.8	17.1	23.3	-	-				
A3c - ES HVAC Systems	Mini Split HP (assumed 1.5 ton) (heating)-Mini Split Ba	E21A3b006	225	301	410	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	73.9	98.9	134.6	1,329.6	1,780.6	2,422.9	23.5	31.4	42.7	-	-	-	-	-				
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal	E21A3b007	70	125	180	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	67.3	120.1	173.0	874.5	1,561.6	2,248.7	11.0	19.7	28.4	6.1	10.9	15.7	-	-				
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal	E21A3b008	9	-	-	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	5.1	-	-	66.1	-	0.8	-	-	-	0.5	-	-	-	-				
A3c - ES HVAC Systems	Heat Pump Swimming Pool Heater	E21A3b009	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3b - ES Appliances	ES Clothes Dryers	E21A3b010	200	200	200	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	32.1	32.1	32.1	385.0	385.0	385.0	5.5	5.5	5.5	4.2	4.2	4.2	-	-				
A3b - ES Appliances	Dryer Heat Pump	E21A3b011	5	5	5	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	2.1	2.1	2.1	25.3	25.3	25.3	0.4	0.4	0.4	0.3	0.3	0.3	-	-				
A3b - ES Appliances	Dryer Hybrid	E21A3b012	4	4	4	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	0.9	0.9	0.9	10.2	10.2	10.2	0.1	0.1	0.1	0.1	0.1	0.1	-	-				
A3c - ES HVAC Systems	ECM Motor for FWH Circulating Pump - Midstream	E21A3b013	-	-	-	18	18	18	69%	69%	69%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3c - ES HVAC Systems	ECM Motors for FHA Furnace Fans	E21A3b014	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3c - ES HVAC Systems	ES AC (central) 3 ton	E21A3b015	15	15	15	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	3.0	3.0	3.0	42.0	42.0	42.0	-	-	-	1.7	1.7	1.7	-	-				
A3c - ES HVAC Systems	Room Air Conditioner	E21A3b016	105	105	115	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	1.7	1.7	1.8	13.4	13.4	14.7	-	-	-	0.9	0.9	1.0	-	-				
A3b - ES Appliances	ES Clothes Washers	E21A3b017	205	205	210	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	18.2	18.2	18.6	254.5	254.5	260.7	2.6	2.6	2.6	2.4	2.4	2.5	55.1	55.1	56.5			
A3b - ES Appliances	Washer Tier CEE Tier 2+	E21A3b018	145	145	145	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	22.6	22.6	22.6	316.5	316.5	316.5	3.2	3.2	3.2	3.0	3.0	3.0	63.9	63.9	63.9			
A3b - ES Appliances	ES Dehumidifier	E21A3b019	280	285	290	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	40.5	41.2	41.9	485.5	494.2	502.9	1.6	1.7	1.7	7.8	7.9	8.0	-	-				
A3b - ES Appliances	ES Dishwasher	E21A3b020	-	-	-	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3b - ES Appliances	ES Freezers	E21A3b021	-	-	-	16	16	16	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3b - ES Appliances	Refrigerator	E21A3b022	230	240	250	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	9.4	9.8	10.3	113.2	118.1	123.0	1.1	1.1	1.2	1.3	1.4	1.4	-	-				
A3b - ES Appliances	Refrigerator CEE Tier 2+	E21A3b023	45	50	55	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	4.3	4.8	5.3	52.1	57.8	63.6	0.5	0.6	0.6	0.6	0.7	0.7	-	-				
A3b - ES Appliances	ES Pool Pumps (Variable Speed)	E21A3b024	40	40	45	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	42.5	42.5	47.8	424.8	424.8	477.9	-	-	-	24.6	24.6	27.6	-	-				
A3b - ES Appliances	Room Air Purifier	E21A3b025	650	700	750	9	9	9	100%	100%	100%	100%	100%	100%	100%	100%	100%	253.8	273.4	292.9	2,284.4	2,460.2	2,635.9	29.0	31.2	33.4	29.0	31.2	33.4	-	-				
A3c - ES HVAC Systems	Wifi Thermostat (Heating & Cooling)	E21A3b026	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3b - ES Appliances	Primary Refrigerator Recycling	E21A3b027	35	35	45	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	17.2	17.2	22.1	137.6	137.6	177.0	2.0	2.0	2.5	2.4	2.4	3.1	-	-				
A3b - ES Appliances	Secondary Refrigerator Recycling	E21A3b028	80	80	85	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	60.4	60.4	64.2	483.2	483.2	513.4	5.7	5.7	6.0	9.4	9.4	10.0	-	-				
A3b - ES Appliances	Secondary Freezer Recycling	E21A3b029	20	20	25	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	13.2	13.2	16.5	105.3	105.3	131.6	1.3	1.3	1.6	1.7	1.7	2.2	-	-				
A3b - ES Appliances	Room Air Conditioner Recycling	E21A3b030	-	-	-	5	5	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-					
A3b - ES Appliances	Ductless Mini-split Heat Pump - Retrofit Resistance	E21A3b031	10	10	10	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	50.4	50.4	50.4	907.0	907.0	907.0	16.0											

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU			
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023				
A4a - Home Energy Report	Home Energy Reports	E21A4a001	10,256	10,256	10,256	1	1	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	796.3	1,152.7	1,914.0	796.3	1,152.7	1,914.0	171.9	248.8	413.2	110.9	160.5	266.5	-	-	-	-	-	-
Residential Behavior Subtotal																			796.3	1,152.7	1,914.0	796.3	1,152.7	1,914.0	171.9	248.8	413.2	110.9	160.5	266.5	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU				
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023					
C1b - LCI New Equipment	Hot Food Holding Cabinet Half Size	E21C1b038	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%			
C1b - LCI New Equipment	Ice Machine - Ice Making Head	E21C1b039	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%			
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C1b040	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C1b041	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1b - LCI New Equipment	Ice Machine - Self Contained	E21C1b042	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1b - LCI New Equipment	Low Pressure Drop Filter	E21C1b043	-	-	-	5	5	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1b - LCI New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C1b044	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1b - LCI New Equipment	Low-Flow Showerhead, Electric	E21C1b045	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Pre Rinse Spray Valve, Electric	E21C1b046	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Refrigerated Air Dryer	E21C1b047	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Steam Cooker, Electric	E21C1b048	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Unitary Air Conditioner	E21C1b049	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Water Source Heat Pump	E21C1b050	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	Zero Loss Condensate Drain	E21C1b051	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	High Efficiency Chiller - FL	E21C1b052	-	-	-	23	23	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	High Efficiency Chiller - IPLV	E21C1b053	-	-	-	23	23	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1b - LCI New Equipment	C&I Large New Construction Code Compliance	E21C1b057	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1c - LCI Midstream	Midstream Circulator Pump	E21C1c001	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1c - LCI Midstream	Midstream Demand Control Ventilation	E21C1c002	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream DMSHP Systems	E21C1c003	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C1c004	-	-	-	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream ECM Fan Motors	E21C1c005	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream Heat Pump Systems	E21C1c006	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream Unitary Air Conditioners	E21C1c007	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream VRF	E21C1c008	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream Water Source Heat Pump Systems	E21C1c009	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream LED Downlight	E21C1c010	-	-	-	5	5	5	83%	83%	83%	86%	86%	86%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1c - LCI Midstream	Midstream LED Exterior	E21C1c011	-	-	-	13	13	13	91%	91%	91%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream LED High Bay/Low Bay	E21C1c012	-	-	-	13	13	13	91%	91%	91%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C1c - LCI Midstream	Midstream LED Linear Fixture	E21C1c013	-	-	-	10	10	10	91%	91%	91%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
C1c - LCI Midstream	Midstream LED Linear Fixture with Controls	E21C1c014	-	-	-	10	10	10	91%	91%	91%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
C1c - LCI Midstream	Midstream LED Linear Lamp	E21C1c015	-	-	-	10	10	10	91%	91%	91%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
C1c - LCI Midstream	Midstream LED Screw In	E21C1c016	-	-	-	5	5	5	83%	83%	83%	75%	75%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1c - LCI Midstream	Midstream LED Stairwell Kit	E21C1c017	-	-	-	10	10	10	91%	91%	91%	85%	85%	85%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C1c - LCI Midstream	Midstream Combination Oven, Electric	E21C1c018	-	-	-	12	12	12	100%	100%	100%	100%																									

Subprogram	Measure	Measure ID	Quantity			Measure Life			Net to Gross			In Service Rate			kWh Realization Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU			
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	
C4a - Energy Rewards RFP	Custom RFP Program Compressed Air	E21C4a001	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C4a - Energy Rewards RFP	Custom RFP Program Hot Water	E21C4a002	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C4a - Energy Rewards RFP	Custom RFP Program HVAC	E21C4a003	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Interior	E21C4a004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Exterior	E21C4a015	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Lighting - Controls	E21C4a016	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Motors	E21C4a005	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Process	E21C4a006	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Refrigeration	E21C4a007	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Custom RFP Program Other	E21C4a008	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Daylight Dimming	E21C4a009	-	-	-	9	9	9	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/ Controls	E21C4a010	-	-	-	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/o Controls	E21C4a011	-	-	-	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Lighting Fixture - Interior w/ Controls	E21C4a012	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Lighting Fixture - Interior w/o Controls	E21C4a013	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C4a - Energy Rewards RFP	Lighting Occupancy Sensors	E21C4a014	-	-	-	9	9	9	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Energy Rewards RFP Subtotal																																				

**Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 2021 System Benefits Charge ("SBC") Calculation**

Year	EE Total Budget	RGGI Revenues	FCM Revenues	Other Revenues	Carryforward with Interest	Current Year Interest	SBC Requirement	Forecasted Distribution (MWH)	SBC Rate EE Portion (cents/kWh)	SBC Rate EAP Portion (cents/kWh)	SBC Rate LBR Portion (cents/kWh)	2020 Total SBC Rate (cents/kWh)
Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	
2021	\$2,541,946	\$44,153	\$263,079	\$0	\$0	\$0	\$2,234,714	295,126	0.568	0.150	0.00072	0.719
2021	\$4,853,502	\$177,584	\$348,732	\$0	\$0	\$0	\$4,327,186	607,490	0.561	0.150	0.00072	0.712
	\$7,395,448	\$221,737	\$611,811	\$0	\$0	\$14,572,231	\$6,561,901	902,615				

Customer Type
 Effective year (January 1, 2020 - December 31, 2020)
 Company Forecast
 Company Forecast
 Company Forecast
 Company Forecast
 Page 2, Line 9 Col. N + Line 11 Col. O
 Page 3, Line 11, Col. O
 Col. B - Col. C - Col. D - Col. E - Col. F
 Company Forecast
 (Col. H / Col. I) x 100
 EAP Portion of SBC Rate
 Page 4 column Q plus Page 5 column s

**Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 Energy Efficiency Expense & SBC Revenue Reconciliation Residential
 January 1, 2021 to December 31, 2021**

Line	Description	Carryover 2018-2020	Forecast Jan-21	Forecast Feb-21	Forecast Mar-21	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	2021 Total
	Col. A	Col. B	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O	Col. N
1	SBC Revenues		\$170	\$144	\$143	\$122	\$119	\$136	\$158	\$156	\$126	\$119	\$128	\$156	\$1,676
2	RGGI Revenues		\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$44,153
3	FCM Revenues		\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$633
4	Other Revenues		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Total Revenues		\$223	\$197	\$11,234	\$175	\$171	\$11,227	\$210	\$208	\$11,217	\$172	\$181	\$11,247	\$46,462
6	Program Expenses		\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$2,541,946
7	Total Program Expenses		\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$211,829	\$2,541,946
8	Current Month (Over)/Under Recovery		\$211,606	\$211,632	\$200,595	\$211,654	\$211,657	\$200,602	\$211,618	\$211,620	\$200,612	\$211,657	\$211,648	\$200,582	
9	Cumulative (Over)/Under Recovery	\$	\$211,606	\$423,238	\$623,833	\$835,487	\$1,047,145	\$1,247,747	\$1,459,365	\$1,670,985	\$1,871,597	\$2,083,254	\$2,294,902	\$2,495,484	
10	Interest @ Prime		3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
11	Interest on Deferral Balance		\$3,439	\$10,316	\$17,015	\$23,714	\$30,593	\$37,292	\$43,991	\$50,868	\$57,567	\$64,266	\$71,145	\$77,844	\$488,049
12	Monthly Sales (MWh)		29,914	25,390	25,139	21,463	20,904	23,964	27,773	27,408	22,178	20,940	22,602	27,451	295,126
13	EE SBC Rate		0.568	0.568	0.568	0.568	0.568	0.568	0.568	0.568	0.568	0.568	0.568	0.568	

Line 1: (Line 12 x Line 13) / 100
 Line 2: Page 1, Col. C
 Line 3: Page 1, Col. D
 Line 4: Page 1, Col. E
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Page 1, Col. B
 Line 7: Sum of Line 6
 Line 8: Line 7 - Line 5
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate / 12
 Line 11: (Prior Month Line 9 + Current Month Line 9) / 2 x Line 10
 Line 12: Company Forecast
 Line 13: Page 1, Col. J

**Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 Energy Efficiency Expense & SBC Revenue Reconciliation Commercial
 January 1, 2021 to December 31, 2021**

Line	Description	Carryover 2018-2020	Forecast Jan-21	Forecast Feb-21	Forecast Mar-21	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	2021 Total
	Col. A	Col. B	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O	Col. N
1	SBC Revenues		\$276	\$251	\$275	\$262	\$279	\$296	\$327	\$326	\$286	\$288	\$266	\$276	\$3,408
2	RGGI Revenues		\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$0	\$0	\$11,038	\$44,153
3	FCM Revenues		\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$53	\$633
4	Other Revenues		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Total Revenues		\$329	\$304	\$11,366	\$314	\$332	\$11,387	\$380	\$379	\$11,377	\$340	\$318	\$11,367	\$48,194
6	Program Expenses		\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$4,853,502
7	Total Program Expenses		\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$404,459	\$4,853,502
8	Current Month (Over)/Under Recovery		\$404,130	\$404,154	\$393,093	\$404,144	\$404,127	\$393,071	\$404,079	\$404,080	\$393,081	\$404,118	\$404,140	\$393,092	
9	Cumulative (Over)/Under Recovery	\$ -	\$ 404,130	\$808,284	\$1,201,377	\$1,605,521	\$2,009,648	\$2,402,719	\$2,806,798	\$3,210,878	\$3,603,959	\$4,008,077	\$4,412,217	\$4,805,309	
10	Interest @ Prime		3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
11	Interest on Deferral Balance		\$6,567	\$19,702	\$32,657	\$45,612	\$58,746	\$71,701	\$84,655	\$97,787	\$110,741	\$123,696	\$136,830	\$149,785	\$938,478
12	Monthly Sales (MWh)		49,228	44,828	48,979	46,654	49,760	52,829	58,269	58,080	51,064	51,279	47,361	49,158	607,490
13	EE SBC Rate		0.561	0.561	0.561	0.561	0.561	0.561	0.561	0.561	0.561	0.561	0.561	0.561	

Line 1: (Line 12 x Line 13) / 100
 Line 2: Page 1, Col. C
 Line 3: Page 1, Col. D
 Line 4: Page 1, Col. E
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Page 1, Col. B
 Line 7: Sum of Line 6
 Line 8: | Line 7 - Line 5
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate / 12
 Line 11: (Prior Month Line 9 + Current Month Line 9) / 2 x Line 10
 Line 12: Company Forecast
 Line 13: Page 1, Col. J

Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 Lost Base Revenue Reconciliation
 January 1, 2019 to December 31, 2020

Line	Description	Cumulative 2019 kWh	Cumulative 2020 kWh	Balance Carryover 12/31/2019	Collections 2020	Forecast Jan-21	Forecast Feb-21	Forecast Mar-21	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	2021 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	Revenue Recovery				(\$5,323)														\$0
2	Monthly Residential kWh	187,203	146,882			\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$17,816	\$213,786
3	Monthly Commercial kWh	581,493	903,036			\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$18,799	\$225,593
4	Monthly Commercial Kw	75	95			\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$1,471	\$17,648
5	Total					\$32,763	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$451,704
6	Monthly (Over)/Under Recovery					\$32,763	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$38,086	\$451,704
7	Cumulative (Over)/Under Recovery			\$180,238		\$213,001	\$251,086	\$289,172	\$327,257	\$365,343	\$403,428	\$441,514	\$479,600	\$517,685	\$555,771	\$593,856	\$631,942		
8	Interest @ Prime Rate					0.40%	0.65%	0.40%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%		
9	Interest on Deferral Balance					\$778	\$1,499	\$1,069	\$835	\$938	\$1,041	\$1,144	\$1,247	\$1,350	\$1,454	\$1,557	\$1,660		\$14,572
10	Cummulative (Over)/Under Recovery Incl Carrying Charge					\$213,779	\$253,363	\$292,518	\$331,438	\$370,462	\$409,588	\$448,818	\$488,151	\$527,587	\$567,126	\$606,769	\$646,514		\$646,514
11	Monthly Sales Residential					29,914	25,390	25,139	21,463	20,904	23,964	27,773	27,408	22,178	20,940	22,602	27,451		295,126
12	Monthly Sales Commercial					49,228	44,828	48,979	46,654	49,760	52,829	58,269	58,080	51,064	51,279	47,361	49,158		607,490
13	SBC Rate (LBR Component) Residential																		\$0.00072
14	SBC Rate (LBR Component) Commercial																		\$0.00072

Line 1: Actual Revenues Jan-Jul. LBR rate was not approved for 2020, thus no LBR revenues forecasted Aug-Dec
 Line 2: Col B + Col C x pg 6 line 27
 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 Forecast

**Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 Calculation of Forecasted Average Distribution Rate for Lost Revenue
 Based on Actual Billing Determinants and Distribution Rates for 2018***

	(1)	(2)	(3) = (1) + (2)	(4)	(5)	(6) = (1) + (4)	(7) = (2) / (5)	(8) = (3) / (5)
For the Period 01/01/20 Through 12/31/20								
<u>Rate Class</u>	<u>Revenue</u>			<u>Delivery kW</u>	<u>Delivery kWh</u>	<u>Average Distribution Rate \$/kW</u>	<u>Average Distribution Rate \$/kWh</u>	<u>Average Distribution Rate \$/kWh</u>
	<u>Demand Charges^(a)</u>	<u>kWh Charges</u>	<u>Total Demand and kWh Charges</u>					
Rate D	\$ -	\$ 14,868,722	\$ 14,868,722	\$ -	278,824,882	N/A	N/A	\$ 0.05333
Rate D-10	\$ -	\$ 237,101	\$ 237,101	\$ -	-			
Rate T	\$ -	\$ 663,486	\$ 663,486	\$ -	-			
Total Residential	\$ -	\$ 15,769,308	\$ 15,769,308	\$ -	-			
Rate G-1	\$ 8,209,771	\$ 1,374,403	\$ 9,584,174	951,329	379,539,341	\$ 8.63	\$ 0.00362	\$ 0.02525
Rate G-2	\$ -	\$ 2,054,567	\$ 2,054,567	-	147,995,065	\$ -	\$ 0.01388	\$ 0.01388
Rate G-3	\$ -	\$ 4,354,581	\$ 4,354,581	-	88,095,304	\$ -	\$ 0.04943	\$ 0.04943
Rate V	\$ -	\$ 16,652	\$ 16,652	-	328,389	\$ -	\$ 0.05071	\$ 0.05071
Total Commercial and Industrial	\$ 8,209,771	\$ 7,800,203	\$ 16,009,974	951,329	615,958,099	\$ 8.63	\$ 0.01266	\$ 0.02599

* Excludes the outdoor lighting Rate OL and the Customer/Meter charge revenue from each rate. Used billing determinants from DE 19-064

(a) For Rate G-2, the demand charge is excluded from the average rate calculation as ratchet for rate class is under internal review.

Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 NHPUC Docket No. DE 20-092
 Attachment F3
 Page 6 of 9

Bill Impacts of Changes in System Benefits Charge - Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities

	<u>Current Rates*</u>	<u>2021 Res</u>	<u>2021 C&I</u>
System Benefits Charge (\$/kWh)	\$ 0.00678	\$ 0.00719	0.00712
<u>Bill per month, including GSE default energy service</u>			
Residential Rate D (650 kWh/month)	\$ 112.82	\$ 113.08	
Rate G-2, 25 kW, 9,000 kWh per month	\$ 874.40		\$ 877.77
<u>Change from previous rate level - \$ per month</u>			
Residential Rate D (650 kWh/month)		\$ 0.26	
Rate G-2, 25 kW, 9,000 kWh per month			\$ 3.37
<u>Change from previous rate level - %</u>			
Residential Rate D (650 kWh/month)		0.23%	
Rate G-2, 25 kW, 9,000 kWh per month			0.39%

* Stated at Liberty's most recent rate levels (effective August 1, 2019). Rate G-2 energy service rate is based on September 1, 2019 rate.

DE 20-092 EXHIBIT 1 Part 3 & 4

Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 Calculation of Distribution Revenue at the Rate Levels in Effect During 2020
 Based on Billing Determinants for the Twelve Months Ending December 2018

Residential Rate D												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	141,213	\$ 14.67	\$ 2,071,595	70,576	\$ 14.74	\$ 1,040,290	212,778	\$ 14.74	\$ 3,136,348	424,567	\$ 6,248,233
	All kWh	95,419,680	\$0.04950	\$ 4,723,274	39,012,006	\$0.04930	\$ 1,923,292	141,608,595	\$0.05713	\$ 8,090,099	276,040,281	\$14,736,665
Off Peak kWh 16 Hour	All kWh	425,641	\$0.04281	\$ 18,222	168,850	\$0.04258	\$ 7,190	525,957	\$0.04934	\$ 25,951	1,120,448	\$ 51,362
Farm kWh	All kWh	336,408	\$0.04675	\$ 15,727	136,211	\$0.04654	\$ 6,339	422,161	\$0.05393	\$ 22,767	894,780	\$ 44,833
D-6 kWh	All kWh	285,950	\$0.04360	\$ 12,467	130,531	\$0.04337	\$ 5,661	352,892	\$0.05025	\$ 17,733	769,373	\$ 35,861
Total Residential	Customer/Meter	141,213		\$ 2,071,595	70,576		\$ 1,040,290	212,778		\$ 3,136,348	424,567	\$ 6,248,233
	Demand	-		-	-		-	-		-	-	-
	kWh	96,467,679		\$ 4,769,690	39,447,598		\$ 1,942,482	142,909,605		\$ 8,156,550	278,824,882	\$14,868,722
				\$ 6,841,285			\$ 2,982,772			\$11,292,897		\$21,116,955

Residential Rate D-10												
Col. B - Col. C - Col. D - Col. E - Col. F	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	1,763	\$ 14.67	\$ 25,863	879	\$ 14.74	\$ 12,956	2,635	\$ 14.74	\$ 38,840	5,277	\$ 77,660
	On Peak kWh	819,396	\$0.10580	\$ 86,692	264,793	\$0.10588	\$ 28,036	953,429	\$0.12151	\$ 115,851	2,037,618	\$ 230,580
	Off Peak kWh	1,647,511	\$0.00197	\$ 3,246	439,551	\$0.00153	\$ 673	1,504,599	\$0.00173	\$ 2,603	3,591,661	\$ 6,521
Total Rate D-10	Customer/Meter	1,763		\$ 25,863	879		\$ 12,956	2,635		\$ 38,840	5,277	\$ 77,660
	Demand	-		-	-		-	-		-	-	-
	kWh	2,466,907		\$ 89,938	704,344		\$ 28,709	2,458,028		\$ 118,454	5,629,279	\$ 237,101
				\$ 115,801			\$ 41,665			\$ 157,294		\$ 314,760

Commercial & Industrial Rate G-1												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	533	\$ 382.48	\$ 203,862	279	\$ 384.39	\$ 107,245	845	\$ 426.78	\$ 360,629	1,657	\$ 671,736
	Demand Charge	293,661	\$ 8.14	\$ 2,390,401	158,070	\$ 8.18	\$ 1,293,013	499,598	\$ 9.06	\$ 4,526,358	951,329	\$ 8,209,771
	On Peak kWh	64,013,730	\$0.00575	\$ 368,079	36,141,242	\$0.00533	\$ 192,633	112,351,130	\$0.00588	\$ 660,625	212,506,102	\$ 1,221,336
	Off Peak kWh	48,788,724	\$0.00208	\$ 101,481	29,394,681	\$0.00164	\$ 48,207	88,495,485	\$0.00180	\$ 159,292	166,678,890	\$ 308,980
	Credit for High Voltage Delivery	90,841	\$ (0.44)	\$ (39,970)	86,717	\$ (0.44)	\$ (38,155)	176,791	\$ (0.44)	\$ (77,788)	354,349	\$ (155,914)
Total Rate G-1	Customer/Meter	533		\$ 203,862	279		\$ 107,245	845		\$ 360,629	1,657	\$ 671,736
	Demand	293,661		\$ 2,390,401	158,070		\$ 1,293,013	499,598		\$ 4,526,358	951,329	\$ 8,209,771
	kWh	112,893,295		\$ 429,589	65,622,640		\$ 202,685	201,023,406		\$ 742,128	379,539,341	\$ 1,374,403
				\$ 3,023,852			\$ 1,602,942			\$ 5,629,115		\$10,255,909

Commercial Rate G-2												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	3,621	\$ 63.77	\$ 230,911	1,817	\$ 64.08	\$ 116,433	5,444	\$ 71.14	\$ 387,286	10,882	\$ 734,631
	Demand Charge	163,850	\$ 8.19	\$ 1,341,932	86,590	\$ 8.23	\$ 712,636	259,668	\$ 9.11	\$ 2,365,575	510,108	\$ 4,420,143
	All kWh	48,549,883	\$0.00257	\$ 124,773	24,347,591	\$0.00214	\$ 52,104	75,095,642	\$0.00238	\$ 178,728	147,993,116	\$ 355,605
	Credit for High Voltage Delivery	577	\$ (0.44)	\$ (254)	302	\$ (0.44)	\$ (133)	1,070	\$ (0.44)	\$ (471)	1,949	\$ (858)
Total Rate G-2	Customer/Meter	3,621		\$ 230,911	1,817		\$ 116,433	5,444		\$ 387,286	10,882	\$ 347,345
	Demand	163,850		\$ 1,341,932	86,590		\$ 712,636	259,668		\$ 2,365,575	510,108	\$ 2,054,567
	kWh	48,550,460		\$ 124,519	24,347,893		\$ 51,971	75,096,712		\$ 178,257	147,995,065	\$ 176,490
				\$ 1,697,362			\$ 881,040			\$ 2,931,118		\$ 2,578,402

General Service Rate G-3												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	22,671	\$ 14.67	\$ 332,584	11,288	\$ 14.74	\$ 166,385	34,081	\$ 14.74	\$ 502,354	68,040	\$ 1,001,323
	All kWh	30,521,195	\$0.04703	\$ 1,435,412	13,568,301	\$0.04682	\$ 635,268	44,005,808	\$0.05190	\$ 2,283,901	88,095,304	\$ 4,354,581
Total Rate G-3	Customer/Meter	22,671		\$ 332,584	11,288		\$ 166,385	34,081		\$ 502,354	68,040	\$ 1,001,323
	Demand	-		-	-		-	-		-	-	-
	kWh	30,521,195		\$ 1,435,412	13,568,301		\$ 635,268	44,005,808		\$ 2,283,901	88,095,304	\$ 4,354,581
				\$ 1,767,995			\$ 801,653			\$ 2,786,255		\$ 5,355,904

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Electric Heat Rate T												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	3,898	\$ 14.67	\$ 57,184	1,935	\$ 14.74	\$ 28,522	5,733	\$ 14.74	\$ 84,504	11,566	\$ 170,210
	All kWh	7,115,111	\$0.04099	\$ 291,648	1,821,872	\$0.04075	\$ 74,241	6,415,090	\$0.04639	\$ 297,596	15,352,073	\$ 663,486
Total Rate T	Customer/Meter	3,898		\$ 57,184	1,935		\$ 28,522	5,733		\$ 84,504	11,566	\$ 170,210
	Demand	-		\$ -	-		\$ -	-		\$ -	-	\$ -
	kWh	7,115,111		\$ 291,648	1,821,872		\$ 74,241	6,415,090		\$ 297,596	15,352,073	\$ 663,486
				\$ 348,832			\$ 102,763			\$ 382,100		\$ 833,696

Electric Heat Rate V												
Rate	Source	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
Standard	Customer Charge	72	\$ 14.37	\$ 1,035	36	\$ 14.74	\$ 531	103	\$ 16.36	\$ 1,685	211	\$ 3,250
	All kWh	127,747	\$0.04834	\$ 6,175	44,462	\$0.04813	\$ 2,140	156,180	\$0.05338	\$ 8,337	328,389	\$ 16,652
Total Rate V	Customer/Meter	72		\$ 1,035	36		\$ 531	103		\$ 1,685	211	\$ 3,250
	Demand	-		\$ -	-		\$ -	-		\$ -	-	\$ -
	kWh	127,747		\$ 6,175	44,462		\$ 2,140	156,180		\$ 8,337	328,389	\$ 16,652
				\$ 7,210			\$ 2,671			\$ 10,022		\$ 19,902

Outdoor Lighting Rate OL												
Type	Fixture	January 1, 2020 - April 30, 2020			May 1, 2020 - June 30, 2020			July 1, 2020 - December 31, 2020			2020 Total	
		Units	Rate	Revenue	Units	Rate	Revenue	Units	Rate	Revenue	Units	Revenue
High Pressure Sodium	HPS RWY 50W	8,846	\$ 7.69	\$ 68,026	5,813	\$ 7.72	\$ 44,876	14,588	\$ 8.39	\$ 122,393	29,247	\$ 235,295
	HPS RWY 100W	6,320	\$ 9.35	\$ 59,092	4,534	\$ 9.39	\$ 42,574	10,927	\$ 9.69	\$ 105,883	21,781	\$ 207,549
	HPS RWY 250W	1,963	\$ 16.43	\$ 32,252	1,120	\$ 16.51	\$ 18,491	3,010	\$ 16.07	\$ 48,371	6,093	\$ 99,114
	HPS RWY 400W	754	\$ 21.41	\$ 16,143	199	\$ 21.51	\$ 4,280	477	\$ 19.98	\$ 9,530	1,430	\$ 29,954
	HPS POST 100W	1,240	\$ 10.77	\$ 13,355	1,192	\$ 10.82	\$ 12,897	2,416	\$ 11.36	\$ 27,446	4,848	\$ 53,698
	HPS FLD 250W	1,030	\$ 16.57	\$ 17,067	534	\$ 16.65	\$ 8,891	1,518	\$ 16.24	\$ 24,652	3,082	\$ 50,611
	HPS FLD 400W	1,680	\$ 22.88	\$ 38,438	864	\$ 22.99	\$ 19,863	2,500	\$ 21.69	\$ 54,225	5,044	\$ 112,527
Incandescent	INC RWY 103W	92	\$ 10.29	\$ 947	46	\$ 10.34	\$ 476	138	\$ 10.75	\$ 1,484	276	\$ 2,906
Mercury	MV RWY 100W	288	\$ 7.43	\$ 2,140	142	\$ 7.46	\$ 1,059	378	\$ 7.44	\$ 2,812	808	\$ 6,011
	MV RWY 175W	570	\$ 9.06	\$ 5,164	280	\$ 9.10	\$ 2,548	725	\$ 8.36	\$ 6,061	1,575	\$ 13,773
	MV RWY 400W	201	\$ 17.14	\$ 3,445	100	\$ 17.22	\$ 1,722	300	\$ 14.93	\$ 4,479	601	\$ 9,646
	MV RWY 1000W	4	\$ 32.54	\$ 130	2	\$ 32.70	\$ 65	6	\$ 25.21	\$ 151	12	\$ 347
	MV FLD 400W	85	\$ 18.96	\$ 1,612	42	\$ 19.05	\$ 800	121	\$ 17.08	\$ 2,067	248	\$ 4,478
	MV FLD 1000W	-	\$ 32.75	\$ -	-	\$ 32.91	\$ -	-	\$ 33.06	\$ -	-	\$ -
POLES	WOOD	468	\$ 9.09	\$ 4,254	237	\$ 9.14	\$ 2,166	685	\$ 9.47	\$ 6,487	1,390	\$ 12,907
	POLE FIBER DIRECT EMBEDDED	747	\$ 9.41	\$ 7,029	723	\$ 9.46	\$ 6,840	1,470	\$ 9.81	\$ 14,421	2,940	\$ 28,290
	POLE FIBER RWY <25FT	478	\$ 15.98	\$ 7,638	412	\$ 16.06	\$ 6,617	852	\$ 16.65	\$ 14,186	1,742	\$ 28,441
	POLE FIBER RWY =>25FT	12	\$ 26.69	\$ 320	12	\$ 26.82	\$ 322	24	\$ 27.84	\$ 668	48	\$ 1,310
	POLE METAL EMBEDDED	568	\$ 19.04	\$ 10,815	404	\$ 19.14	\$ 7,733	972	\$ 19.85	\$ 19,294	1,944	\$ 37,841
	POLE METAL =>25FT	376	\$ 22.97	\$ 8,637	222	\$ 23.08	\$ 5,124	590	\$ 23.94	\$ 14,125	1,188	\$ 27,885
LED	LED 30W	56	\$ 11.38	\$ 637	28	\$ 11.43	\$ 320	89	\$ 5.44	\$ 484	173	\$ 1,441
	LED 50W	112	\$ 11.85	\$ 1,327	193	\$ 11.90	\$ 2,297	474	\$ 5.67	\$ 2,688	779	\$ 6,311
	LED 130W	123	\$ 13.69	\$ 1,684	382	\$ 13.75	\$ 5,253	858	\$ 8.75	\$ 7,508	1,363	\$ 14,444
	LED 190W	13	\$ 18.02	\$ 234	11	\$ 18.11	\$ 199	19	\$ 16.75	\$ 318	43	\$ 752
	LED 30W URD	42	\$ 13.00	\$ 546	36	\$ 13.08	\$ 471	78	\$ 12.67	\$ 988	156	\$ 2,005
	LED 90W FLOOD	-	\$ 13.12	\$ -	-	\$ 13.18	\$ -	17	\$ 8.62	\$ 147	17	\$ 147
	LED 130W FLOOD	-	\$ 14.37	\$ -	4	\$ 14.44	\$ 58	26	\$ 9.90	\$ 257	30	\$ 315
	LED 50W BARN	-	\$ 5.00	\$ -	-	\$ 5.02	\$ -	2	\$ 4.88	\$ 10	2	\$ 10
	All kWh	-	\$ -	\$ -	-	\$ -	\$ -	-	\$0.03993	\$ -	-	\$ -
	Total Rate OL	Fixtures	26,068		\$ 300,933	17,532		\$ 195,942	43,260		\$ 491,134	86,860
Demand		-		\$ -	-		\$ -	-		\$ -	-	\$ -
kWh		-		\$ 300,933	-		\$ 195,942	-		\$ 491,134	-	\$ 988,009

Total Retail											
Type	Source	January 1, 2020 - April 30, 2020		May 1, 2020 - June 30, 2020		July 1, 2020 - December 31, 2020		2020 Total			
		Units	Revenue	Units	Revenue	Units	Revenue	Units	Revenue		
Total Retail	Customer/Meter	173,771	\$2,923,032.80	86,810	\$ 1,472,363	261,619	\$ 4,511,646	522,200	\$ 8,907,042		
	Fixtures	26,068	\$ 300,933	17,532	\$ 195,942	43,260	\$ 491,134	86,860	\$ 988,009		
	Demand	457,511	\$ 3,732,332	244,660	\$ 1,967,360	759,266	\$ 6,813,675	1,461,437	\$12,513,367		
	kWh	298,142,394	\$ 7,146,972	145,557,110	\$ 2,937,495	472,064,829	\$11,785,223	915,764,333	\$21,869,691		
			\$ 14,103,270		\$ 6,573,160		\$23,601,678		\$44,278,109		

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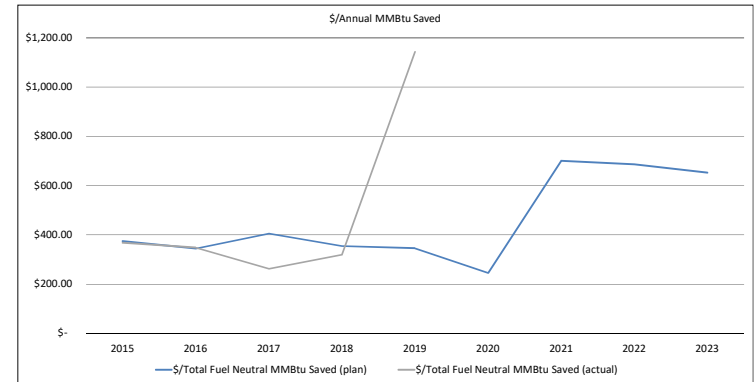
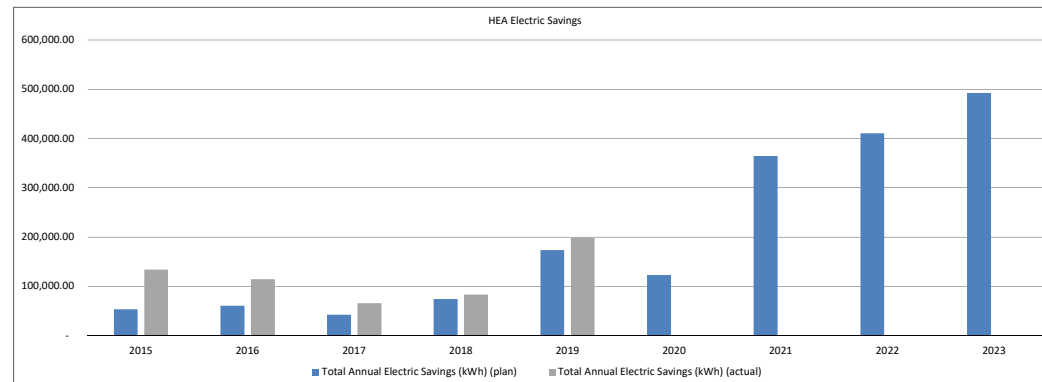
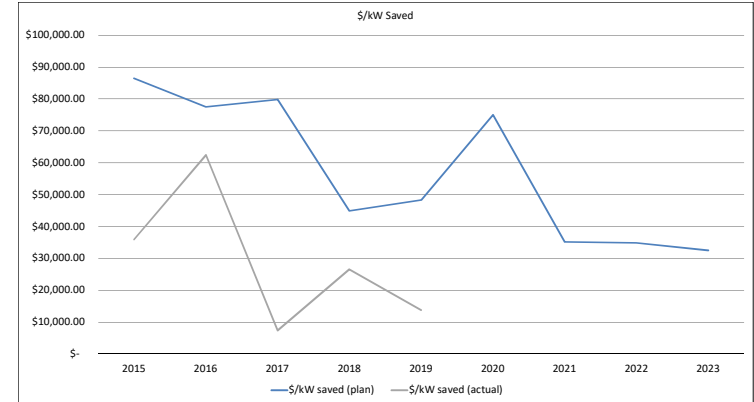
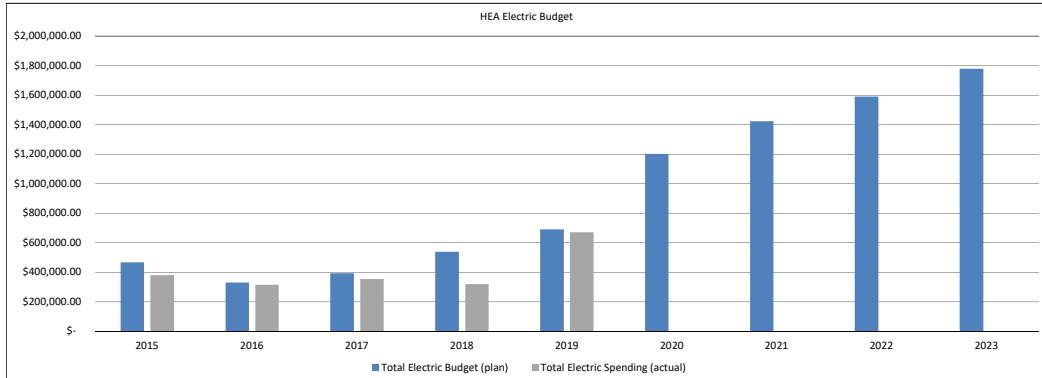
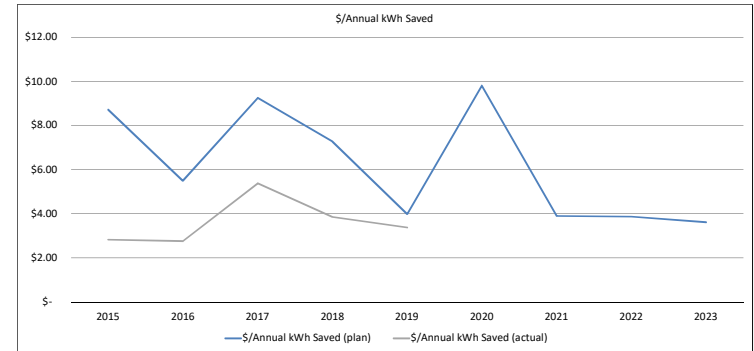
Liberty Utilities (Granite State Electric) d/b/a Liberty Utilities
 NHPUC Docket No. DE 20-092
 Attachment F3
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Lost Base Revenue Summary of Data Included in the Calculation of the Average Distribution Rates*									
Type	Source	January 1, 2020 - April 30, 2020		May 1, 2020 - June 30, 2020		July 1, 2020 - December 31, 2020		2020 Total	
		Units	Revenue	Units	Revenue	Units	Revenue	Units	Revenue
Total Rate D	Demand kWh	-	\$ -	-	\$ -	-	\$ -	-	\$ -
		96,467,679	\$ 4,769,690	39,447,598	\$ 1,942,482	142,909,605	\$ 8,156,550	278,824,882	\$ 14,868,722
			\$ 4,769,690		\$ 1,942,482		\$ 8,156,550		\$ 14,868,722
Total Rate D-10	Demand kWh	-	\$ -	-	\$ -	-	\$ -	-	\$ -
		2,466,907	\$ 89,938	704,344	\$ 28,709	2,458,028	\$ 118,454	5,629,279	\$ 237,101
			\$ 89,938		\$ 28,709		\$ 118,454		\$ 237,101
Total Rate G-1	Demand kWh	293,661	\$ 2,390,401	158,070	\$ 1,293,013	499,598	\$ 4,526,358	951,329	\$ 8,209,771
		112,893,295	\$ 429,589	65,622,640	\$ 202,685	201,023,406	\$ 742,128	379,539,341	\$ 1,374,403
			\$ 2,819,990		\$ 1,495,697		\$ 5,268,486		\$ 9,584,174
Total Rate G-2	Demand kWh	163,850	\$ 1,341,932	86,590	\$ 712,636	259,668	\$ 2,365,575	510,108	\$ 4,420,143
		48,550,460	\$ 124,519	24,347,893	\$ 51,971	75,096,712	\$ 178,257	147,995,065	\$ 354,747
			\$ 1,466,451		\$ 764,607		\$ 2,543,832		\$ 4,774,890
Total Rate G-3	Demand kWh	-	\$ -	-	\$ -	-	\$ -	-	\$ -
		30,521,195	\$ 1,435,412	13,568,301	\$ 635,268	44,005,808	\$ 2,283,901	88,095,304	\$ 4,354,581
			\$ 1,435,412		\$ 635,268		\$ 2,283,901		\$ 4,354,581
Total Rate T	Demand kWh	-	\$ -	-	\$ -	-	\$ -	-	\$ -
		7,115,111	\$ 291,648	1,821,872	\$ 74,241	6,415,090	\$ 297,596	15,352,073	\$ 663,486
			\$ 291,648		\$ 74,241		\$ 297,596		\$ 663,486
Total Rate V	Demand kWh	-	\$ -	-	\$ -	-	\$ -	-	\$ -
		127,747	\$ 6,175	44,462	\$ 2,140	156,180	\$ 8,337	328,389	\$ 16,652
			\$ 6,175		\$ 2,140		\$ 8,337		\$ 16,652
Total	Demand kWh	457,511	\$ 3,732,332	39,692,258	\$ 2,005,648	143,668,871	\$ 6,891,933	1,461,437	\$ 12,629,914
		267,621,199	\$ 5,711,561	131,988,809	\$ 2,302,228	428,059,021	\$ 9,501,322	827,669,029	\$ 17,515,110
			\$ 9,443,893		\$ 4,307,876		\$ 16,393,255		\$ 30,145,024

Home Energy Assistance

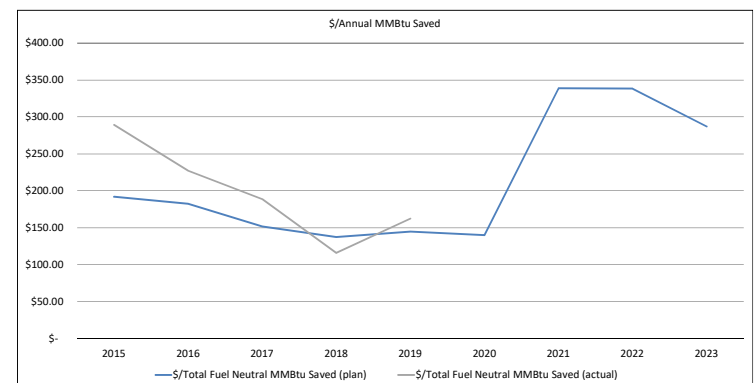
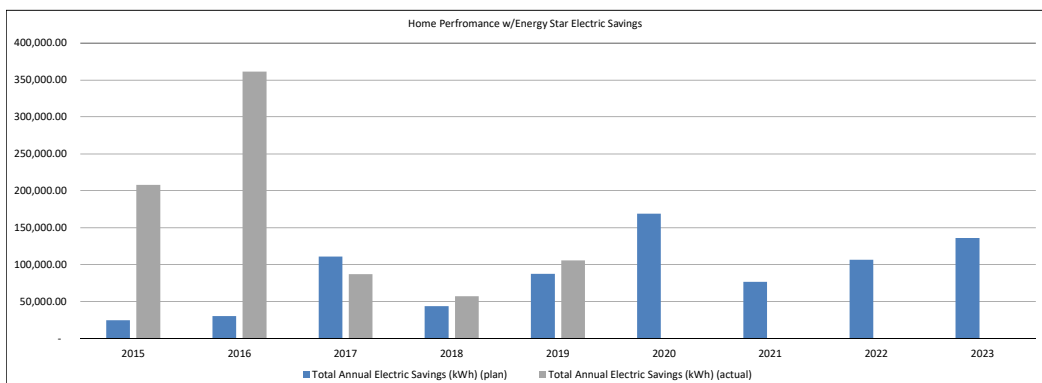
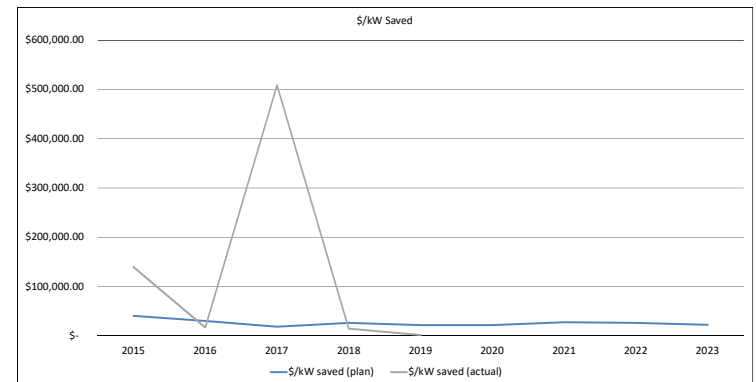
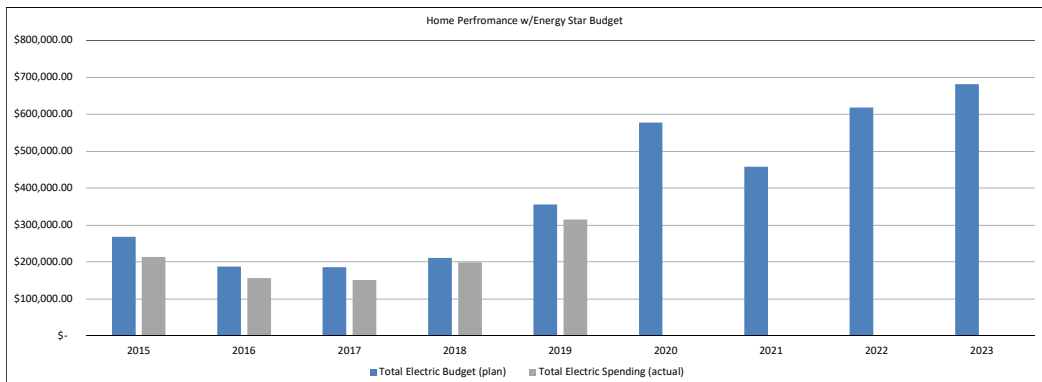
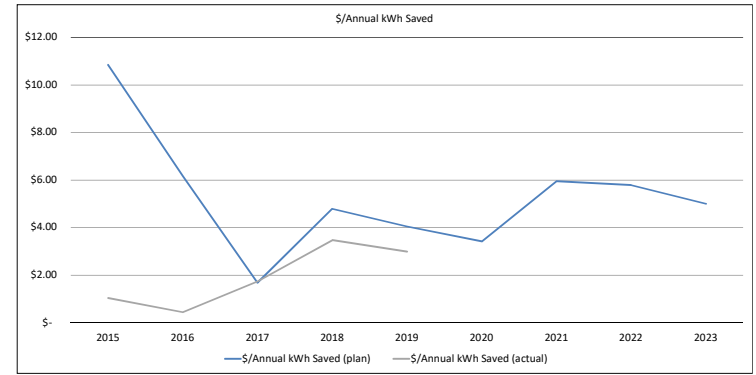
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 465,548.53	\$ 330,589.02	\$ 392,167.81	\$ 536,897.99	\$ 690,347.57	\$ 1,201,848.73	\$ 1,421,776.44	\$ 1,589,772.40	\$ 1,776,839.40
	Total Annual Electric Savings (kWh) (plan)	53,434.31	60,075.89	42,395.61	73,782.18	173,346.85	122,542.44	364,335.34	410,710.99	492,109.08
	\$/Annual kWh Saved (plan)	\$ 8.71	\$ 5.50	\$ 9.25	\$ 7.28	\$ 3.98	\$ 9.81	\$ 3.90	\$ 3.87	\$ 3.61
2)	Total Electric Budget	\$ 465,548.53	\$ 330,589.02	\$ 392,167.81	\$ 536,897.99	\$ 690,347.57	\$ 1,201,848.73	\$ 1,421,776.44	\$ 1,589,772.40	\$ 1,776,839.40
	Total kWh saved	5.38	4.26	4.92	11.95	14.29	16.02	40.44	45.58	54.63
	\$/kW saved (plan)	\$ 86,467.08	\$ 77,552.06	\$ 79,786.89	\$ 44,945.12	\$ 48,311.93	\$ 75,013.17	\$ 35,154.31	\$ 34,880.04	\$ 32,523.29
3)	Total Electric Budget	\$ 465,548.53	\$ 330,589.02	\$ 392,167.81	\$ 536,897.99	\$ 690,347.57	\$ 1,201,848.73	\$ 1,421,776.44	\$ 1,589,772.40	\$ 1,776,839.40
	Total Fuel Neutral MMBtu Saved	1,242.74	960.66	966.87	1,513.48	1,997.75	4,889.84	2,029.41	2,315.68	2,725.40
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 374.61	\$ 344.13	\$ 405.61	\$ 354.74	\$ 345.56	\$ 245.78	\$ 700.59	\$ 686.53	\$ 651.96

Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 378,874.12	\$ 314,957.99	\$ 352,987.37	\$ 319,646.44	\$ 670,521.88
	Total Annual Electric Savings (kWh) (actu)	134,001.08	114,076.40	65,578.70	82,911.32	198,796.35
	\$/Annual kWh Saved (actual)	\$ 2.83	\$ 2.76	\$ 5.38	\$ 3.86	\$ 3.37
2)	Total Electric Spending	\$ 378,874.12	\$ 314,957.99	\$ 352,987.37	\$ 319,646.44	\$ 670,521.88
	Total kWh saved	10.54	5.04	48.06	12.04	48.80
	\$/kW saved (actual)	\$ 35,939.11	\$ 62,434.91	\$ 7,345.02	\$ 26,558.81	\$ 13,739.89
3)	Total Electric Spending	\$ 378,874.12	\$ 314,957.99	\$ 352,987.37	\$ 319,646.44	\$ 670,521.88
	Total Fuel Neutral MMBtu Saved	1,031.25	905.27	1,344.94	998.82	586.74
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 367.39	\$ 347.91	\$ 262.45	\$ 320.02	\$ 1,142.79



Home Performance w/Energy Star

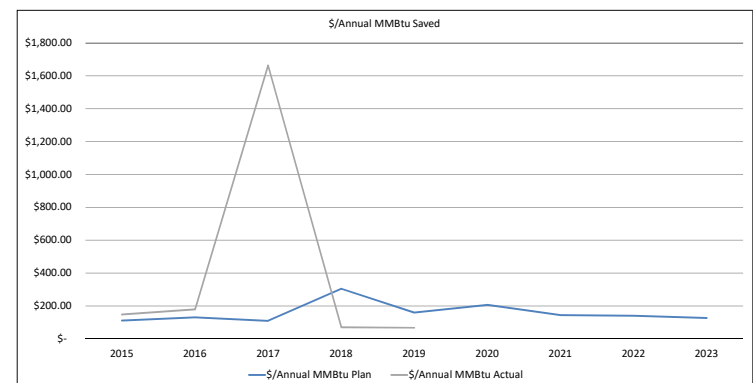
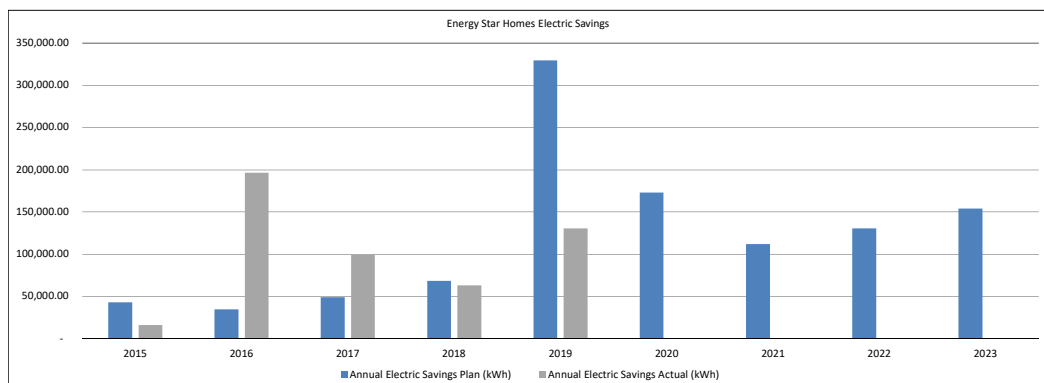
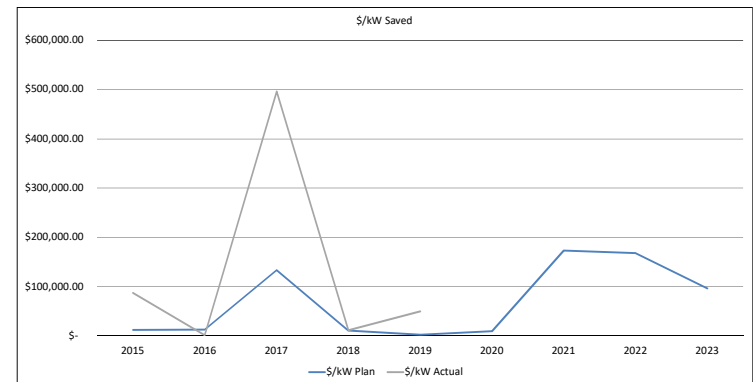
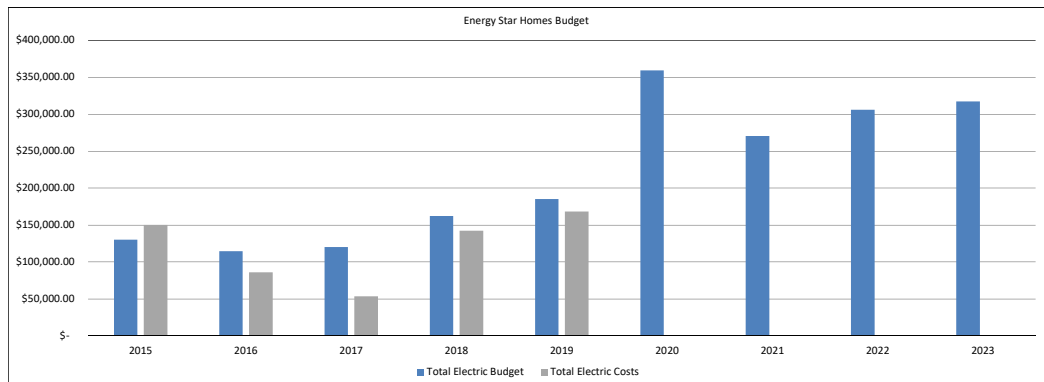
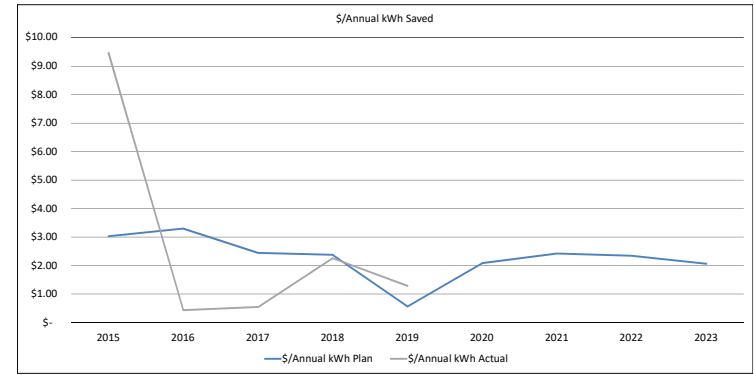
	2015	2016	2017	2018	2019	2020	2021	2022	2023
Planned									
1) Total Electric Budget (plan)	\$ 267,815.68	\$ 187,613.45	\$ 185,502.63	\$ 210,304.44	\$ 355,054.17	\$ 577,161.92	\$ 457,221.00	\$ 617,373.37	\$ 681,222.97
Total Annual Electric Savings (kWh) (plan)	24,689.24	30,442.48	110,909.35	43,887.81	87,789.63	169,081.22	76,961.77	106,647.47	136,188.54
\$/Annual kWh Saved (plan)	\$ 10.85	\$ 6.16	\$ 1.67	\$ 4.79	\$ 4.04	\$ 3.41	\$ 5.94	\$ 5.79	\$ 5.00
2) Total Electric Budget	\$ 267,815.68	\$ 187,613.45	\$ 185,502.63	\$ 210,304.44	\$ 355,054.17	\$ 577,161.92	\$ 457,221.00	\$ 617,373.37	\$ 681,222.97
Total kW saved	6.20	9.94	8.10	16.29	26.64	16.83	23.63	30.30	
\$/kW saved (plan)	\$ 40,437.10	\$ 30,241.93	\$ 18,661.03	\$ 25,963.96	\$ 21,799.23	\$ 21,666.27	\$ 27,174.74	\$ 26,128.95	\$ 22,485.19
3) Total Electric Budget	\$ 267,815.68	\$ 187,613.45	\$ 185,502.63	\$ 210,304.44	\$ 355,054.17	\$ 577,161.92	\$ 457,221.00	\$ 617,373.37	\$ 681,222.97
Total Fuel Neutral MMBtu Saved	1,394.32	1,029.31	1,224.48	1,530.01	2,452.03	4,125.69	1,349.36	1,824.06	2,370.81
\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 192.08	\$ 182.27	\$ 151.49	\$ 137.45	\$ 144.80	\$ 139.89	\$ 338.84	\$ 338.46	\$ 287.34
Actuals									
1) Total Electric Spending (actual)	\$ 213,206.14	\$ 155,978.47	\$ 150,522.13	\$ 198,333.60	\$ 314,423.99				
Total Annual Electric Savings (kWh) (actu)	208,056.02	361,214.88	87,034.75	57,194.00	105,608.00				
\$/Annual kWh Saved (actual)	\$ 1.02	\$ 0.43	\$ 1.73	\$ 3.47	\$ 2.98				
2) Total Electric Spending	\$ 213,206.14	\$ 155,978.47	\$ 150,522.13	\$ 198,333.60	\$ 314,423.99				
Total kW saved	1.52	9.32	0.30	13.80	187.14				
\$/kW saved (actual)	\$ 140,107.53	\$ 16,730.56	\$ 508,674.12	\$ 14,369.57	\$ 1,680.13				
3) Total Electric Spending	\$ 213,206.14	\$ 155,978.47	\$ 150,522.13	\$ 198,333.60	\$ 314,423.99				
Total Fuel Neutral MMBtu Saved	737.17	685.57	796.59	1,709.56	1,936.06				
\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 289.22	\$ 227.52	\$ 188.96	\$ 116.01	\$ 162.40				



Energy Star Homes

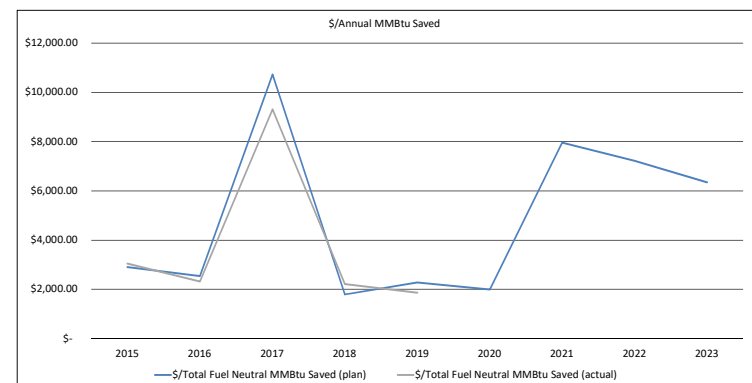
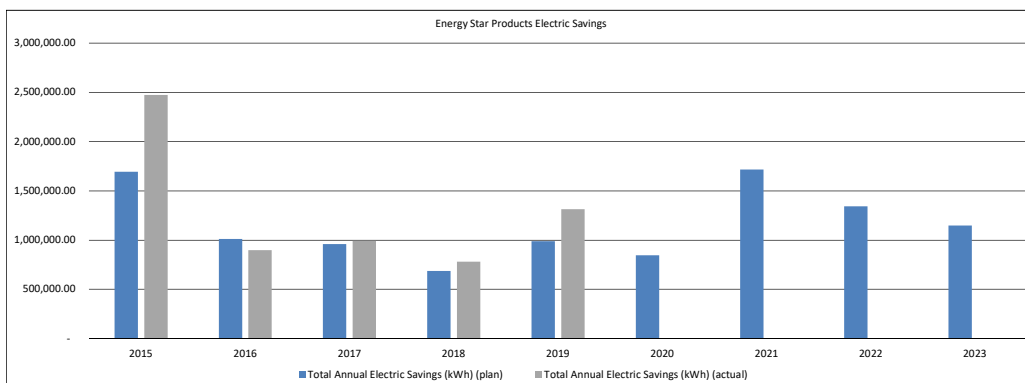
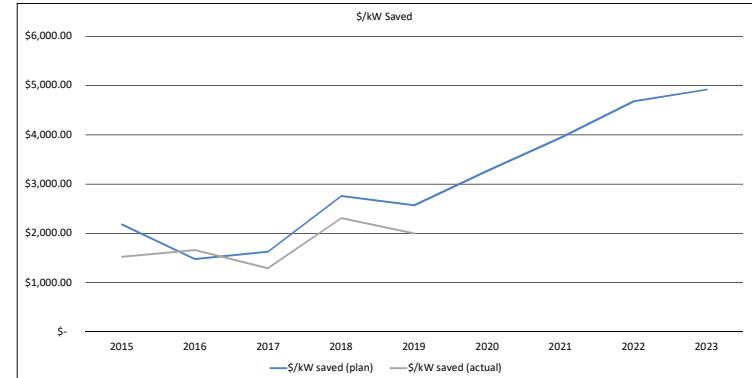
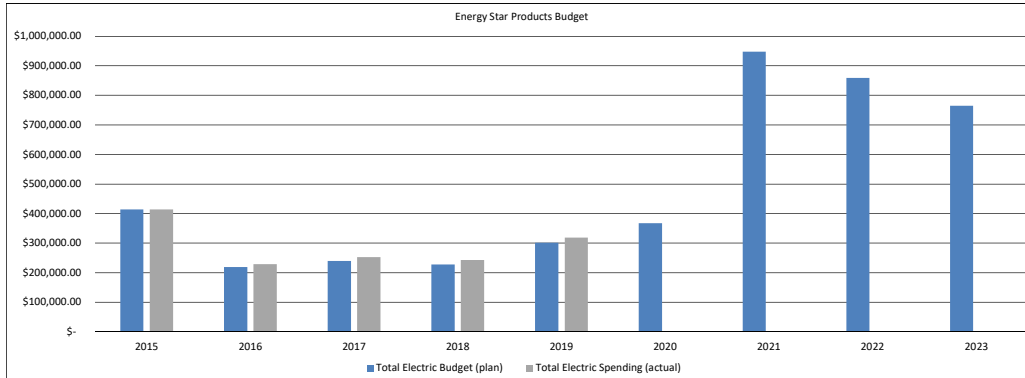
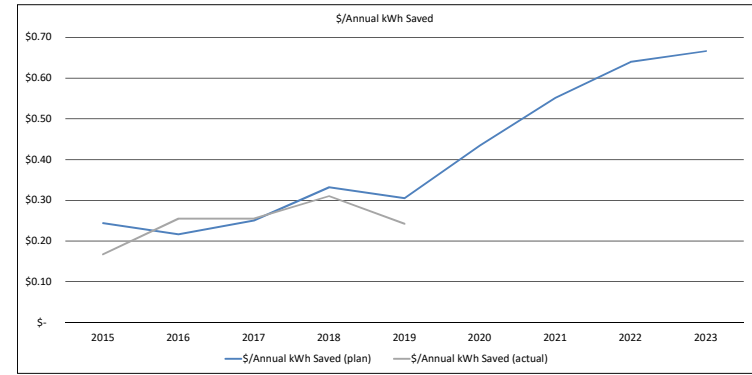
Planned	2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Total Electric Budget	\$ 129,850.03	\$ 114,652.66	\$ 120,031.11	\$ 162,234.85	\$ 185,137.81	\$ 359,195.01	\$ 270,354.00	\$ 305,660.05	\$ 317,082.71
Annual Electric Savings Plan (kWh)	42,970.69	34,754.68	49,089.91	68,431.30	329,428.18	172,775.98	111,989.77	130,653.85	153,924.42
\$/Annual kWh Plan	\$ 3.02	\$ 3.30	\$ 2.45	\$ 2.37	\$ 0.56	\$ 2.08	\$ 2.41	\$ 2.34	\$ 2.06
2) Total Electric Budget	\$ 129,850.03	\$ 114,652.66	\$ 120,031.11	\$ 162,234.85	\$ 185,137.81	\$ 359,195.01	\$ 270,354.00	\$ 305,660.05	\$ 317,082.71
Total summer peak kW Plan	10.91	9.11	0.90	14.91	76.83	39.79	1.56	1.82	3.30
\$/kW Plan	\$ 11,899.51	\$ 12,590.64	\$ 133,400.23	\$ 10,880.75	\$ 2,409.86	\$ 9,027.79	\$ 172,986.70	\$ 167,638.88	\$ 96,205.08
3) Total Electric Budget	\$ 129,850.03	\$ 114,652.66	\$ 120,031.11	\$ 162,234.85	\$ 185,137.81	\$ 359,195.01	\$ 270,354.00	\$ 305,660.05	\$ 317,082.71
Total Annual MMBtu Plan	1,186.87	888.95	1,105.64	533.16	1,171.12	1,746.11	1,885.62	2,199.88	2,514.14
\$/Annual MMBtu Plan	\$ 109.41	\$ 128.98	\$ 108.56	\$ 304.29	\$ 158.09	\$ 205.71	\$ 143.38	\$ 138.94	\$ 126.12

Home Energy Assistance	2015	2016	2017	2018	2019
1) Total Electric Costs	\$ 149,953.01	\$ 85,986.60	\$ 53,359.58	\$ 141,967.71	\$ 167,964.07
Annual Electric Savings Actual (kWh)	15,851.36	196,439.12	99,035.15	62,863.80	130,469.24
\$/Annual kWh Actual	\$ 9.46	\$ 0.44	\$ 0.54	\$ 2.26	\$ 1.29
2) Total Electric Costs	\$ 149,953.01	\$ 85,986.60	\$ 53,359.58	\$ 141,967.71	\$ 167,964.07
Total summer peak kW Actual	1.72	64.41	0.11	12.49	3.39
\$/kW Actual	\$ 87,032.94	\$ 1,334.91	\$ 496,168.23	\$ 11,368.13	\$ 49,501.61
3) Total Electric Costs	\$ 149,953.01	\$ 85,986.60	\$ 53,359.58	\$ 141,967.71	\$ 167,964.07
Total Annual MMBtu Actual	1,017.91	480.69	32.07	2,084.36	2,535.83
\$/Annual MMBtu Actual	\$ 147.32	\$ 178.88	\$ 1,663.95	\$ 68.11	\$ 66.24



Energy Star Products

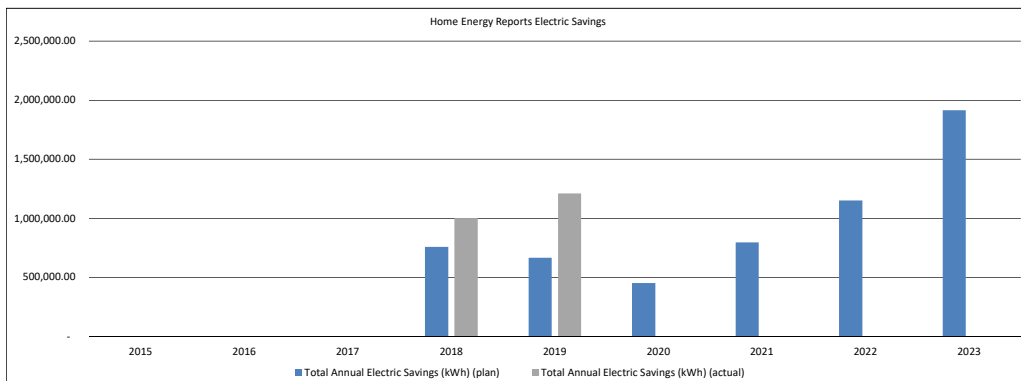
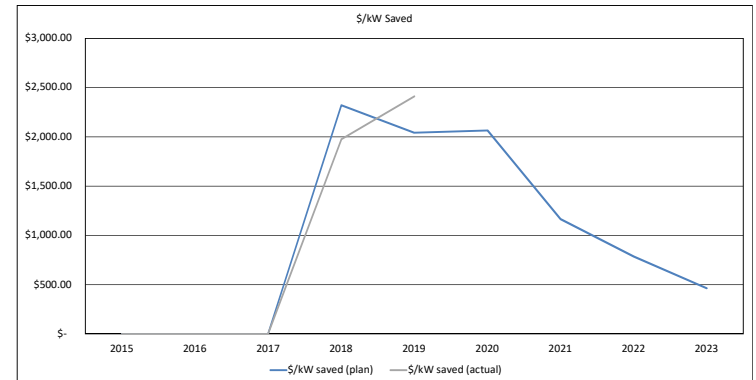
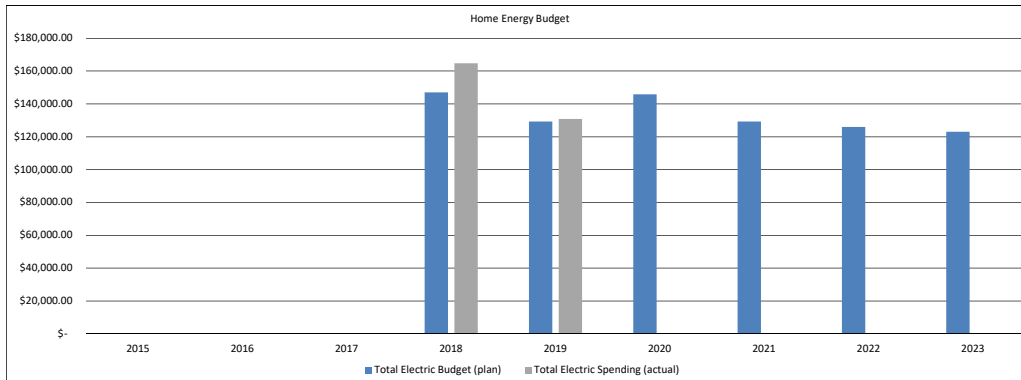
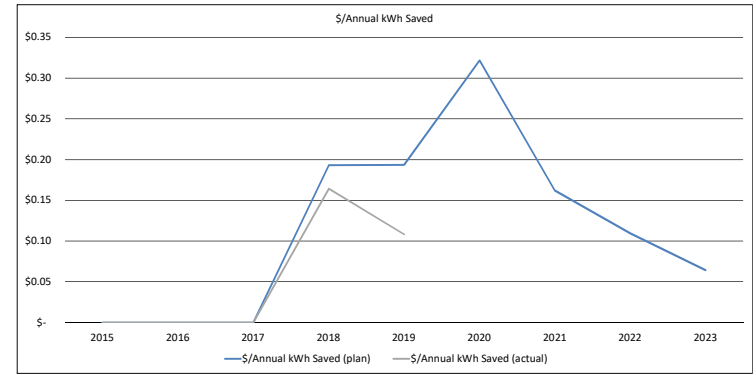
	2015	2016	2017	2018	2019	2020	2021	2022	2023
Planned									
1) Total Electric Budget (plan)	\$ 413,896.97	\$ 218,882.36	\$ 240,062.22	\$ 228,330.53	\$ 301,611.91	\$ 367,436.22	\$ 948,100.00	\$ 859,337.53	\$ 764,561.91
Total Annual Electric Savings (kWh) (plan)	1,694,349.54	1,010,711.22	959,637.02	687,811.49	987,874.85	844,952.37	1,716,436.79	1,341,796.08	1,147,028.26
\$/Annual kWh Saved (plan)	\$ 0.24	\$ 0.22	\$ 0.25	\$ 0.33	\$ 0.31	\$ 0.43	\$ 0.55	\$ 0.64	\$ 0.67
2) Total Electric Budget	\$ 413,896.97	\$ 218,882.36	\$ 240,062.22	\$ 228,330.53	\$ 301,611.91	\$ 367,436.22	\$ 948,100.00	\$ 859,337.53	\$ 764,561.91
Total kW saved	189.91	148.30	147.58	82.84	117.55	112.41	240.51	183.74	155.48
\$/kW saved (plan)	\$ 2,179.47	\$ 1,475.95	\$ 1,626.67	\$ 2,756.42	\$ 2,565.89	\$ 3,268.79	\$ 3,942.05	\$ 4,676.98	\$ 4,917.58
3) Total Electric Budget	\$ 413,896.97	\$ 218,882.36	\$ 240,062.22	\$ 228,330.53	\$ 301,611.91	\$ 367,436.22	\$ 948,100.00	\$ 859,337.53	\$ 764,561.91
Total Fuel Neutral MMBtu Saved	142.88	86.18	22.38	127.38	131.99	183.87	119.09	119.09	120.44
\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 2,896.73	\$ 2,539.71	\$ 10,728.47	\$ 1,792.52	\$ 2,285.09	\$ 1,998.37	\$ 7,961.11	\$ 7,216.12	\$ 6,348.11
Actuals									
1) Total Electric Spending (actual)	\$ 413,643.25	\$ 228,647.55	\$ 252,360.43	\$ 242,907.54	\$ 318,446.85				
Total Annual Electric Savings (kWh) (actu)	2,473,522.93	896,766.75	990,531.96	782,494.70	1,312,686.74				
\$/Annual kWh Saved (actual)	\$ 0.17	\$ 0.25	\$ 0.25	\$ 0.31	\$ 0.24				
2) Total Electric Spending	\$ 413,643.25	\$ 228,647.55	\$ 252,360.43	\$ 242,907.54	\$ 318,446.85				
Total kW saved	272.18	137.68	195.41	105.17	159.64				
\$/kW saved (actual)	\$ 1,519.74	\$ 1,660.70	\$ 1,291.44	\$ 2,309.77	\$ 1,994.77				
3) Total Electric Spending	\$ 413,643.25	\$ 228,647.55	\$ 252,360.43	\$ 242,907.54	\$ 318,446.85				
Total Fuel Neutral MMBtu Saved	135.63	98.49	27.12	109.77	170.72				
\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 3,049.87	\$ 2,321.58	\$ 9,305.12	\$ 2,212.86	\$ 1,865.35				



Home Energy Reports

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ -	\$ -	\$ -	\$ 146,950.00	\$ 129,300.00	\$ 145,823.39	\$ 129,227.00	\$ 126,072.64	\$ 123,001.95
	Total Annual Electric Savings (kWh) (plan)	-	-	-	760,000.00	668,000.00	453,050.35	796,253.66	1,152,690.33	1,914,000.00
	\$/Annual kWh Saved (plan)	\$ -	\$ -	\$ -	\$ 0.19	\$ 0.19	\$ 0.32	\$ 0.16	\$ 0.11	\$ 0.06
2)	Total Electric Budget	\$ -	\$ -	\$ -	\$ 146,950.00	\$ 129,300.00	\$ 145,823.39	\$ 129,227.00	\$ 126,072.64	\$ 123,001.95
	Total kW saved	-	-	-	63.33	63.33	70.68	110.88	160.51	266.52
	\$/kW saved (plan)	\$ -	\$ -	\$ -	\$ 2,320.26	\$ 2,041.58	\$ 2,063.22	\$ 1,165.49	\$ 785.45	\$ 461.51
3)	Total Electric Budget	\$ -	\$ -	\$ -	\$ 146,950.00	\$ 129,300.00	\$ 145,823.39	\$ 129,227.00	\$ 126,072.64	\$ 123,001.95
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

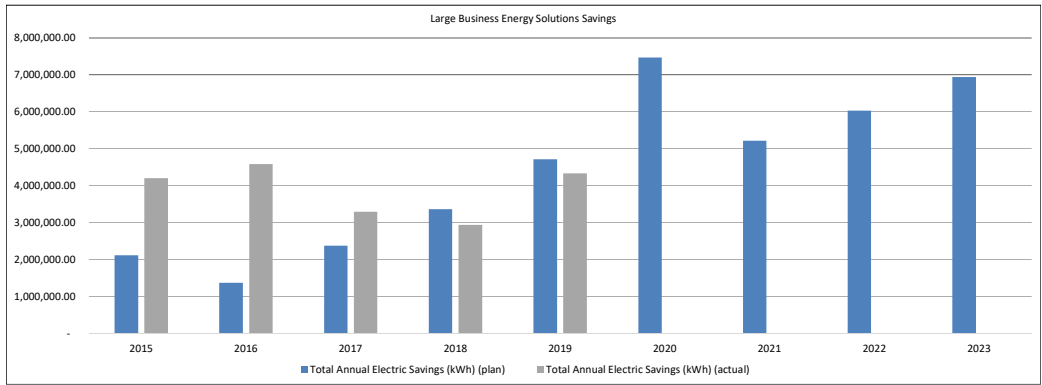
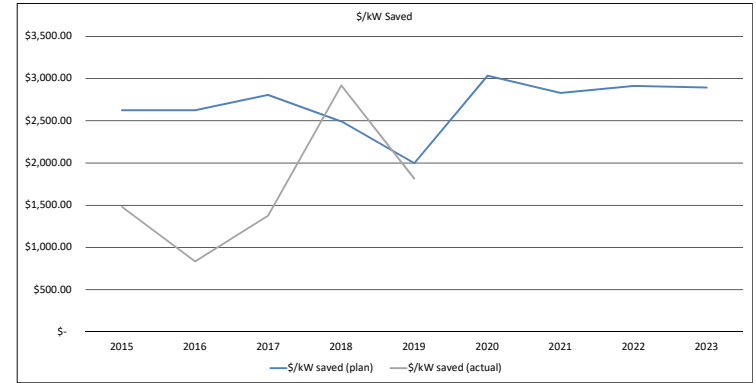
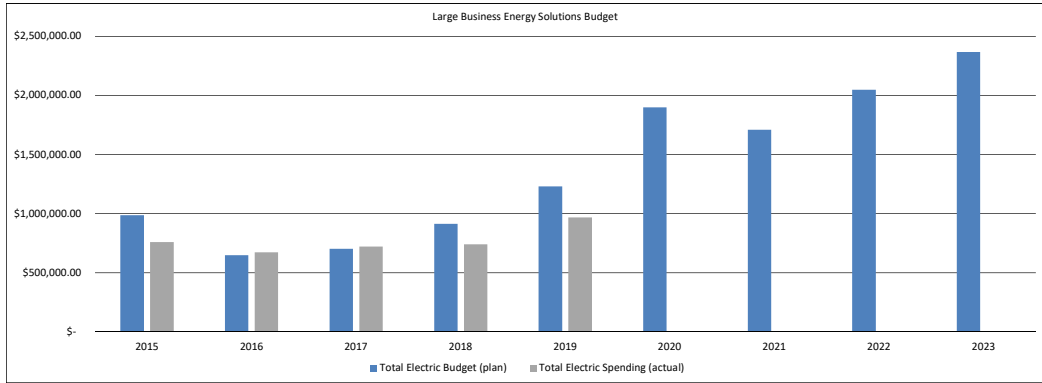
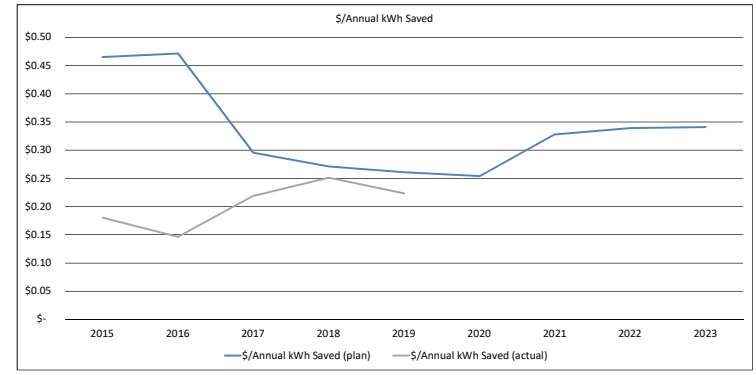
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ -	\$ -	\$ -	\$ 164,702.60	\$ 130,923.88
	Total Annual Electric Savings (kWh) (actu)	-	-	-	1,001,918.20	1,210,000.00
	\$/Annual kWh Saved (actual)	\$ -	\$ -	\$ -	\$ 0.16	\$ 0.11
2)	Total Electric Spending	\$ -	\$ -	\$ -	\$ 164,702.60	\$ 130,923.88
	Total kW saved	-	-	-	83.49	54.30
	\$/kW saved (actual)	\$ -	\$ -	\$ -	\$ 1,972.65	\$ 2,410.97
3)	Total Electric Spending	\$ -	\$ -	\$ -	\$ 164,702.60	\$ 130,923.88
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ -	\$ -	\$ -	\$ -	\$ -



Large Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 986,516.79	\$ 648,100.80	\$ 703,049.76	\$ 912,650.57	\$ 1,231,211.44	\$ 1,898,823.97	\$ 1,708,986.00	\$ 2,047,907.02	\$ 2,366,311.35
	Total Annual Electric Savings (kWh) (plan)	2,119,438.41	1,374,366.90	2,378,148.71	3,363,034.81	4,717,156.03	7,475,706.83	5,215,407.24	6,035,949.30	6,939,182.30
	\$/Annual kWh Saved (plan)	\$ 0.47	\$ 0.47	\$ 0.30	\$ 0.27	\$ 0.26	\$ 0.25	\$ 0.33	\$ 0.34	\$ 0.34
2)	Total Electric Budget	\$ 986,516.79	\$ 648,100.80	\$ 703,049.76	\$ 912,650.57	\$ 1,231,211.44	\$ 1,898,823.97	\$ 1,708,986.00	\$ 2,047,907.02	\$ 2,366,311.35
	Total kW saved	375.77	246.88	250.40	366.51	616.65	625.86	603.74	702.99	817.61
	\$/kW saved (plan)	\$ 2,625.32	\$ 2,625.16	\$ 2,807.71	\$ 2,490.11	\$ 1,996.63	\$ 3,033.96	\$ 2,830.68	\$ 2,913.15	\$ 2,894.18
3)	Total Electric Budget	\$ 986,516.79	\$ 648,100.80	\$ 703,049.76	\$ 912,650.57	\$ 1,231,211.44	\$ 1,898,823.97	\$ 1,708,986.00	\$ 2,047,907.02	\$ 2,366,311.35
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

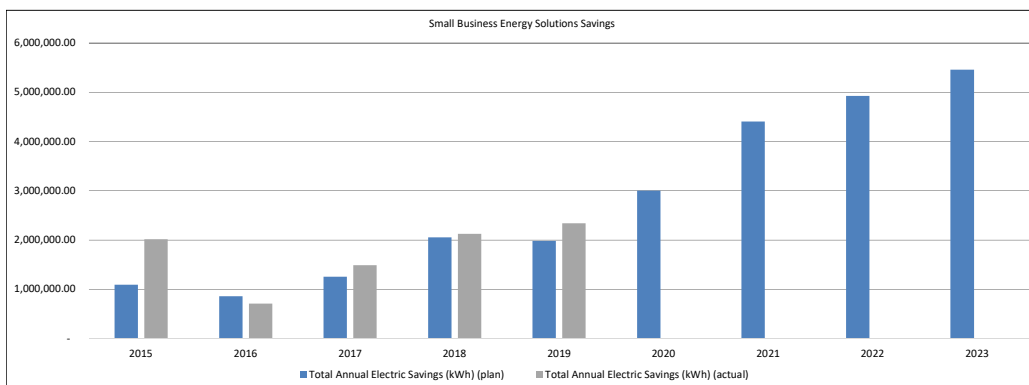
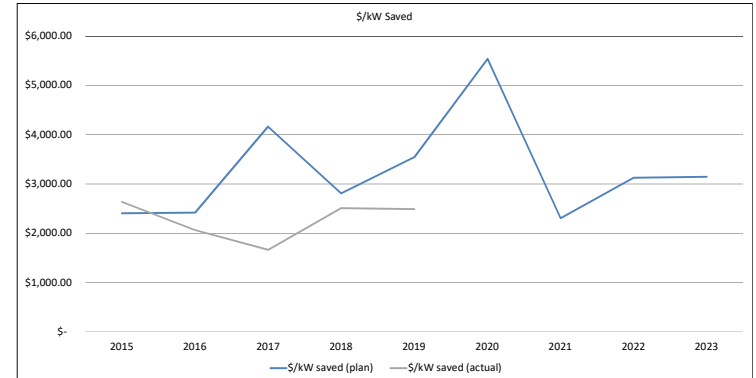
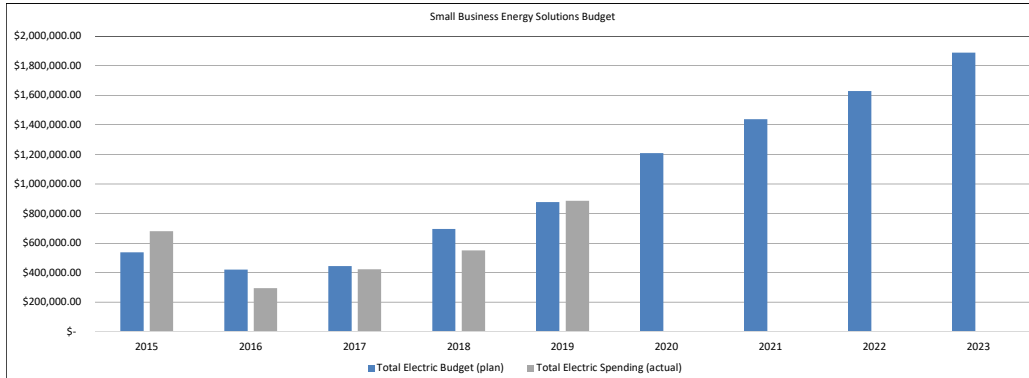
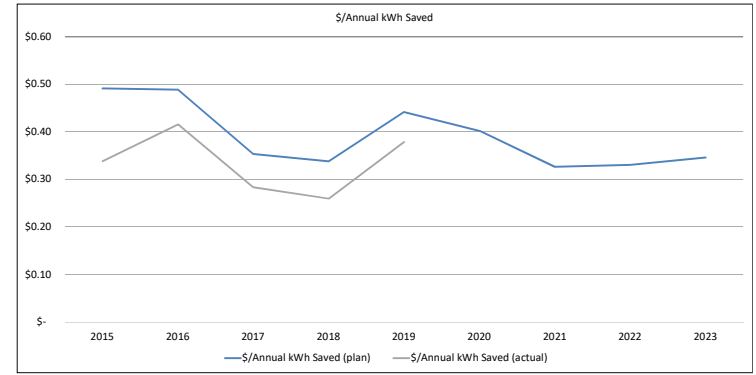
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 758,942.69	\$ 671,700.75	\$ 722,352.73	\$ 739,766.19	\$ 968,272.22
	Total Annual Electric Savings (kWh) (actu)	4,209,731.13	4,591,503.58	3,298,929.54	2,945,170.28	4,337,868.93
	\$/Annual kWh Saved (actual)	\$ 0.18	\$ 0.15	\$ 0.22	\$ 0.25	\$ 0.22
2)	Total Electric Spending	\$ 758,942.69	\$ 671,700.75	\$ 722,352.73	\$ 739,766.19	\$ 968,272.22
	Total kW saved	512.42	804.65	525.73	253.49	534.26
	\$/kW saved (actual)	\$ 1,481.09	\$ 834.77	\$ 1,374.01	\$ 2,918.28	\$ 1,812.37
3)	Total Electric Spending	\$ 758,942.69	\$ 671,700.75	\$ 722,352.73	\$ 739,766.19	\$ 968,272.22
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ -	\$ -	\$ -	\$ -	\$ -



Small Business Energy Solutions

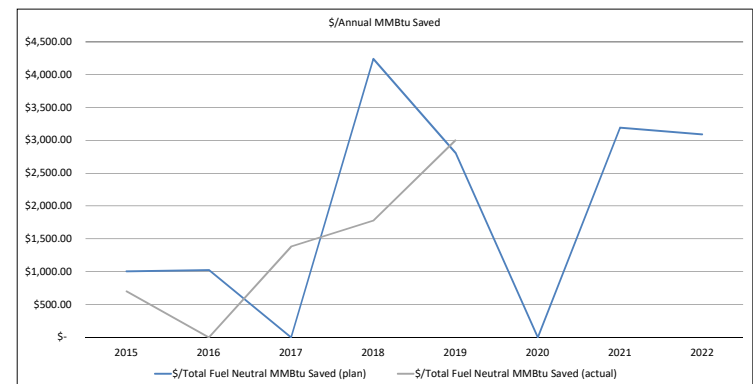
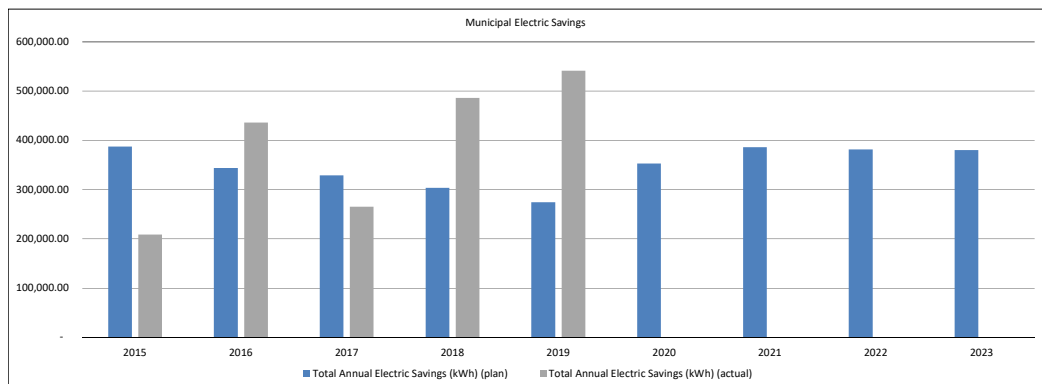
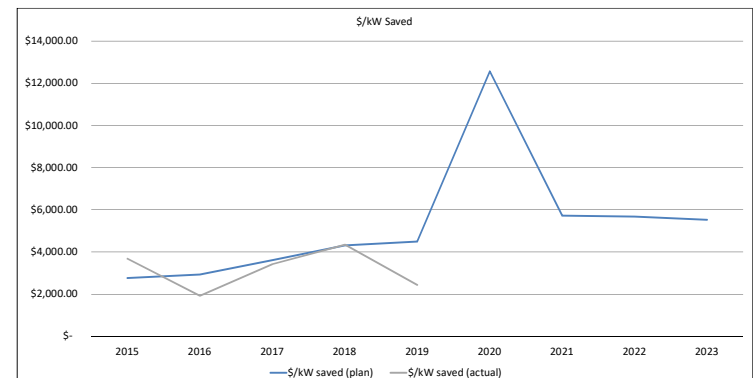
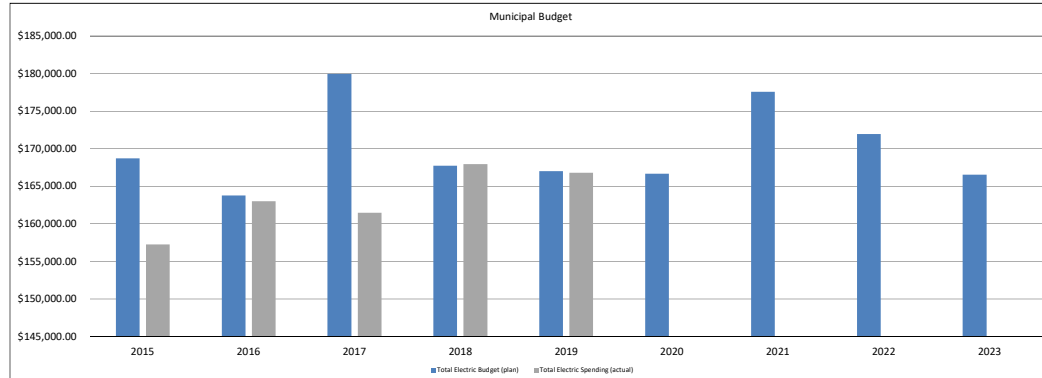
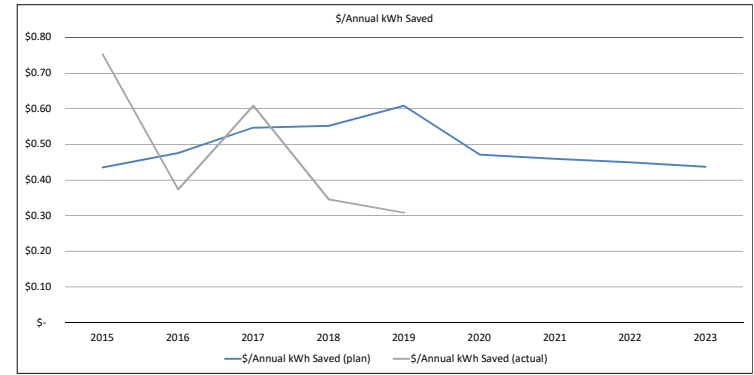
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 539,501.37	\$ 421,265.52	\$ 445,264.85	\$ 695,978.13	\$ 877,784.36	\$ 1,208,871.38	\$ 1,439,054.00	\$ 1,630,026.15	\$ 1,890,112.27
	Total Annual Electric Savings (kWh) (plan)	1,097,858.23	860,961.22	1,259,303.25	2,058,733.62	1,986,225.15	3,007,126.22	4,406,229.79	4,927,488.28	5,460,402.98
	\$/Annual kWh Saved (plan)	\$ 0.49	\$ 0.49	\$ 0.35	\$ 0.34	\$ 0.44	\$ 0.40	\$ 0.33	\$ 0.33	\$ 0.35
2)	Total Electric Budget	\$ 539,501.37	\$ 421,265.52	\$ 445,264.85	\$ 695,978.13	\$ 877,784.36	\$ 1,208,871.38	\$ 1,439,054.00	\$ 1,630,026.15	\$ 1,890,112.27
	Total kW saved	224.27	173.92	106.80	247.48	247.65	218.14	623.40	521.37	600.36
	\$/kW saved (plan)	\$ 2,405.55	\$ 2,422.14	\$ 4,169.17	\$ 2,812.23	\$ 3,544.45	\$ 5,541.82	\$ 2,308.39	\$ 3,126.44	\$ 3,148.31
3)	Total Electric Budget	\$ 539,501.37	\$ 421,265.52	\$ 445,264.85	\$ 695,978.13	\$ 877,784.36	\$ 1,208,871.38	\$ 1,439,054.00	\$ 1,630,026.15	\$ 1,890,112.27
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 681,255.21	\$ 295,732.97	\$ 423,319.49	\$ 552,031.47	\$ 886,126.77
	Total Annual Electric Savings (kWh) (actu)	2,015,429.01	711,323.10	1,492,157.24	2,126,374.28	2,342,104.99
	\$/Annual kWh Saved (actual)	\$ 0.34	\$ 0.42	\$ 0.28	\$ 0.26	\$ 0.38
2)	Total Electric Spending	\$ 681,255.21	\$ 295,732.97	\$ 423,319.49	\$ 552,031.47	\$ 886,126.77
	Total kW saved	258.17	143.16	254.31	219.57	355.76
	\$/kW saved (actual)	\$ 2,638.78	\$ 2,065.69	\$ 1,664.55	\$ 2,514.11	\$ 2,490.81
3)	Total Electric Spending	\$ 681,255.21	\$ 295,732.97	\$ 423,319.49	\$ 552,031.47	\$ 886,126.77
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (actu)	\$ -	\$ -	\$ -	\$ -	\$ -



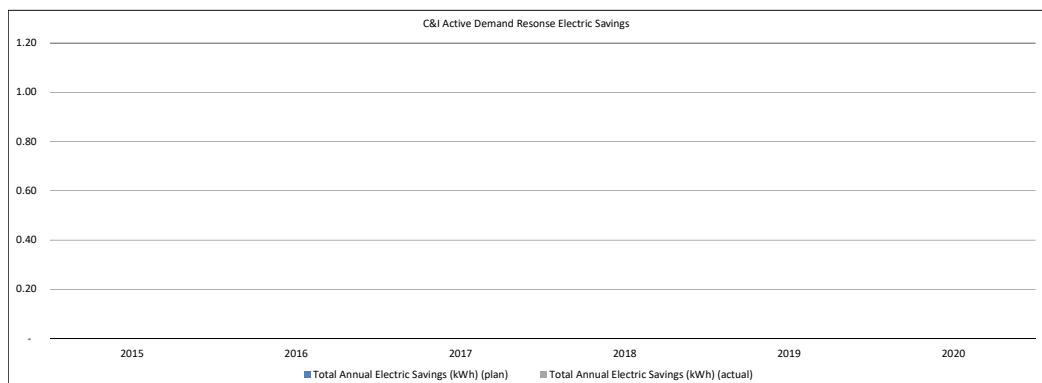
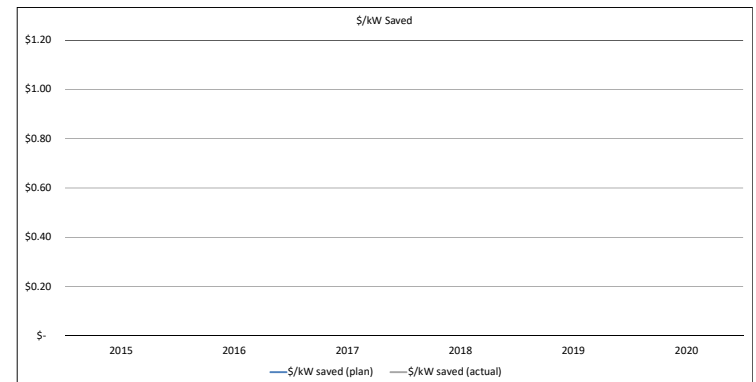
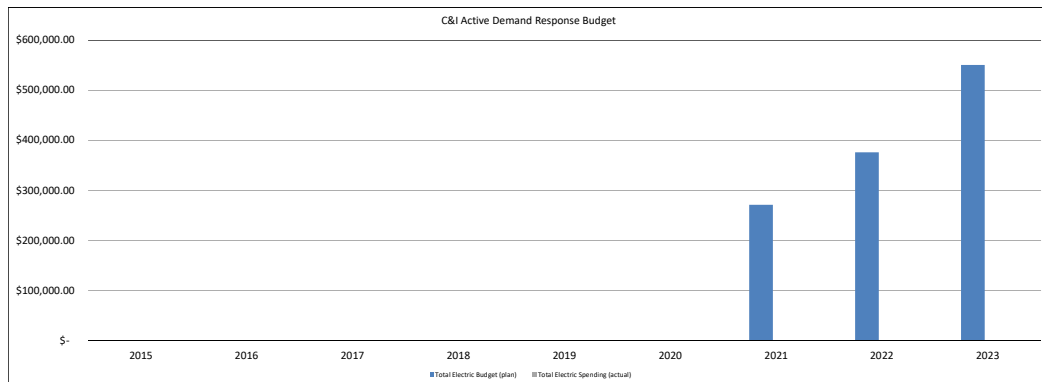
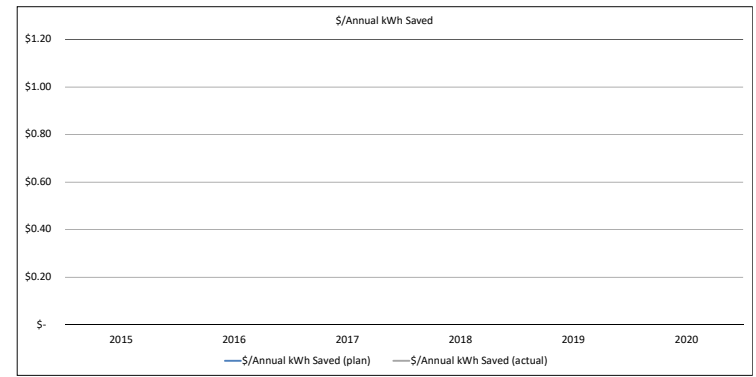
Municipal

	2015	2016	2017	2018	2019	2020	2021	2022	2023
Planned									
1) Total Electric Budget (plan)	\$ 168,757.07	\$ 163,787.53	\$ 179,990.30	\$ 167,754.53	\$ 167,047.78	\$ 166,712.82	\$ 177,584.00	\$ 171,994.19	\$ 166,580.33
Total Annual Electric Savings (kWh) (plan)	387,462.02	344,320.92	329,094.14	303,814.79	274,539.99	353,603.33	386,378.06	381,984.72	380,730.41
\$/Annual kWh Saved (plan)	\$ 0.44	\$ 0.48	\$ 0.55	\$ 0.55	\$ 0.61	\$ 0.47	\$ 0.46	\$ 0.45	\$ 0.44
2) Total Electric Budget	\$ 168,757.07	\$ 163,787.53	\$ 179,990.30	\$ 167,754.53	\$ 167,047.78	\$ 166,712.82	\$ 177,584.00	\$ 171,994.19	\$ 166,580.33
Total kW saved	60.88	55.57	49.75	38.77	37.03	13.27	30.98	30.26	30.07
\$/kW saved (plan)	\$ 2,771.77	\$ 2,947.59	\$ 3,618.26	\$ 4,327.39	\$ 4,510.93	\$ 12,563.97	\$ 5,732.86	\$ 5,684.16	\$ 5,539.22
3) Total Electric Budget	\$ 168,757.07	\$ 163,787.53	\$ 179,990.30	\$ 167,754.53	\$ 167,047.78	\$ 166,712.82	\$ 177,584.00	\$ 171,994.19	\$ 166,580.33
Total Fuel Neutral MMBtu Saved	167.47	159.50	-	39.55	59.41	-	55.60	55.60	55.60
\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 1,007.71	\$ 1,026.91	\$ -	\$ 4,241.36	\$ 2,811.83	\$ -	\$ 3,193.96	\$ 3,093.42	\$ 2,996.05
Actuals									
1) Total Electric Spending (actual)	\$ 157,291.46	\$ 163,041.91	\$ 161,504.59	\$ 167,984.97	\$ 166,842.35				
Total Annual Electric Savings (kWh) (actu)	208,878.40	436,335.10	265,410.20	486,351.10	541,529.25				
\$/Annual kWh Saved (actual)	\$ 0.75	\$ 0.37	\$ 0.61	\$ 0.35	\$ 0.31				
2) Total Electric Spending	\$ 157,291.46	\$ 163,041.91	\$ 161,504.59	\$ 167,984.97	\$ 166,842.35				
Total kW saved	42.75	84.37	47.08	38.61	68.12				
\$/kW saved (actual)	\$ 3,679.72	\$ 1,932.35	\$ 3,430.31	\$ 4,350.56	\$ 2,449.23				
3) Total Electric Spending	\$ 157,291.46	\$ 163,041.91	\$ 161,504.59	\$ 167,984.97	\$ 166,842.35				
Total Fuel Neutral MMBtu Saved	224.40	-	116.80	94.50	55.60				
\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 700.94	\$ -	\$ 1,382.74	\$ 1,777.62	\$ 3,000.76				



C&I Active Demand Response

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)							\$ 271,637.00	\$ 376,893.95	\$ 550,786.13
	Total Annual Electric Savings (kWh) (plan)							-	-	-
	\$/Annual kWh Saved (plan)							\$ -	\$ -	\$ -
2)	Total Electric Budget							\$ 271,637.00	\$ 376,893.95	\$ 550,786.13
	Total kW saved							-	-	-
	\$/kW saved (plan)							\$ -	\$ -	\$ -
3)	Total Electric Budget							\$ 271,637.00	\$ 376,893.95	\$ 550,786.13
	Total Fuel Neutral MMBtu Saved							-	-	-
	\$/Total Fuel Neutral MMBtu Saved (plan)							\$ -	\$ -	\$ -
Actuals		2015	2016	2017	2018	2019				
1)	Total Electric Spending (actual)									
	Total Annual Electric Savings (kWh) (actual)									
	\$/Annual kWh Saved (actual)									
2)	Total Electric Spending									
	Total kW saved									
	\$/kW saved (actual)									
3)	Total Electric Spending									
	Total Fuel Neutral MMBtu Saved									
	\$/Total Fuel Neutral MMBtu Saved (actual)									



Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.25	0.11	1.31	1,757.9	160.0	1,835.5	1,401.0	-	134.0	1,882.2	28.4	10.7	90	1,952.2	47,147.1
A1 - Energy Star Homes	6.64	0.73	6.41	4,451.4	488.9	5,130.8	670.1	130.1	313.7	7,779.9	83.7	2.6	100	4,919.1	121,187.6
A2 - Home Performance with Energy Star	2.64	0.21	2.51	2,965.7	241.2	3,378.8	1,122.1	222.7	196.0	3,316.8	60.5	2.3	166	5,196.1	102,873.9
A3 - Energy Star Products	1.70	1.35	2.30	2,548.2	2,027.9	3,575.6	1,497.2	58.8	2,767.8	18,370.9	507.3	414.4	51,969	424.2	5,939.4
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	6.0	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	46.4	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total Residential	2.47	0.62	2.70	11,723.2	2,918.0	13,920.7	4,742.9	411.6	3,411.5	31,349.9	679.9	430.0	52,325	12,491.6	277,148.0
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.79	1.79	1.25	1,782.0	1,782.0	2,667.5	996.2	1,142.1	2,982.0	38,770.2	152.7	191.9	31	-	-
C2 - Small Business Energy Solutions	3.07	3.07	2.78	3,181.8	3,181.8	4,973.8	1,036.1	752.3	2,588.8	34,557.9	326.6	252.5	210	-	-
C3 - Municipal Energy Solutions	1.77	1.14	1.27	289.4	185.9	396.9	163.3	149.7	161.8	2,129.1	15.7	18.3	15	126.8	3,170.4
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	14.0	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	46.4	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.33	2.28	1.87	5,253.3	5,149.8	8,038.3	2,256.0	2,044.1	5,732.5	75,457.3	494.9	462.8	256	126.8	3,170.4
C6e - Smart Start	-	-	-	-	-	-	5.4	-	-	-	-	-	-	-	-
Total	2.42	1.15	2.32	16,976.5	8,067.7	21,959.0	7,004.4	2,455.7	9,144.0	106,807.1	1,174.8	892.7	52,581	12,618.4	280,318.5

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

Annual kWh Savings	9,144,021	71.2%	kWh > 55%	Lifetime kWh Savings	106,807,115	56.5%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>3,698,097</u>	<u>28.8%</u>		Lifetime MMBTU Savings (in kWh)	<u>82,153,236</u>	<u>43.5%</u>	
	12,842,118	100.0%			188,960,351	100.0%	

Annual Savings as a % of 2019 Sales	1.20%	Spending per Customer	Low-Income	\$	577.99
			Residential	\$	48.37
			C&I	\$	55.84

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.41	0.10	1.46	1,956.0	134.0	2,023.4	1,389.8	-	111.9	1,644.9	27.4	6.7	102	2,119.4	51,766.7
A1 - Energy Star Homes	7.01	0.76	6.77	4,604.6	502.2	5,299.7	657.1	126.0	313.7	7,779.9	83.7	2.6	100	4,919.1	121,187.6
A2 - Home Performance with Energy Star	2.64	0.21	2.49	3,209.3	258.8	3,652.2	1,215.9	249.1	204.2	3,475.0	63.1	2.4	174	5,408.7	107,368.8
A3 - Energy Star Products	1.89	1.43	2.30	2,155.5	1,623.1	2,963.8	1,137.7	148.2	1,646.9	14,372.3	264.8	257.3	28,368	424.2	5,939.4
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	48.5	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total Residential	2.68	0.57	2.80	11,925.4	2,518.1	13,939.1	4,449.0	523.3	2,276.7	27,272.2	439.0	269.0	28,744	12,871.5	286,262.5
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.77	1.77	1.21	1,826.9	1,826.9	2,725.9	1,035.0	1,220.6	2,991.3	38,891.5	153.1	192.5	31	-	-
C2 - Small Business Energy Solutions	3.18	3.18	2.78	3,838.8	3,838.8	5,929.4	1,208.3	922.9	2,970.9	39,647.1	392.5	319.5	240	-	-
C3 - Municipal Energy Solutions	1.73	1.06	1.25	274.4	167.2	371.8	158.2	140.2	143.1	1,882.9	13.7	16.0	15	126.8	3,170.4
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	48.5	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.42	2.38	1.91	5,940.1	5,833.0	9,027.1	2,449.9	2,283.7	6,105.3	80,421.5	559.3	528.0	286	126.8	3,170.4
C6e - Smart Start	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-	-
Total	2.59	1.21	2.36	17,865.5	8,351.1	22,966.3	6,904.2	2,807.0	8,382.0	107,693.7	998.3	797.0	29,030	12,998.3	289,432.9

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

Annual kWh Savings	8,382,009	68.8%	kWh > 55%	Lifetime kWh Savings	107,693,705	55.9%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>3,809,428</u>	<u>31.2%</u>		Lifetime MMBTU Savings (in kWh)	<u>84,824,415</u>	<u>44.1%</u>	
	12,191,438	100.0%			192,518,120	100.0%	

Annual Savings as a % of 2019 Sales	1.10%	Spending per Customer	Low-Income	\$	573.33
			Residential	\$	44.28
			C&I	\$	60.64

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021)\$ ²	Customer Costs (\$000 - 2021)\$ ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.62	0.15	1.70	2,163.9	195.4	2,263.1	1,332.0	-	154.3	2,390.2	40.5	7.0	102	2,225.4	54,355.0
A1 - Energy Star Homes	7.37	0.80	7.12	4,752.5	517.3	5,462.7	644.8	122.1	313.7	7,779.9	83.7	2.6	100	4,919.1	121,187.6
A2 - Home Performance with Energy Star	2.62	0.21	2.46	3,464.7	279.1	3,938.7	1,323.5	278.7	213.0	3,641.3	65.7	2.6	183	5,632.0	112,088.3
A3 - Energy Star Products	2.26	1.66	2.36	2,034.1	1,489.7	2,759.1	898.6	270.7	1,134.7	12,806.4	153.6	187.3	8,811	424.2	5,939.4
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	5.8	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	18.3	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total Residential	2.94	0.59	2.95	12,415.2	2,481.5	14,423.5	4,223.0	671.5	1,815.7	26,617.8	343.5	199.5	9,197	13,200.7	293,570.4
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.96	1.96	1.33	1,977.5	1,977.5	2,949.7	1,008.0	1,203.3	3,114.7	40,488.3	156.0	196.1	31	-	-
C2 - Small Business Energy Solutions	3.27	3.27	2.86	3,611.0	3,611.0	5,596.7	1,103.9	850.7	2,817.4	37,377.8	356.9	274.8	205	-	-
C3 - Municipal Energy Solutions	1.71	0.99	1.23	261.9	151.3	350.4	153.2	130.9	126.3	1,662.3	12.0	13.9	14	126.8	3,170.4
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	13.5	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	22.7	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.54	2.49	1.98	5,850.3	5,739.7	8,896.8	2,301.3	2,184.9	6,058.4	79,528.3	524.9	484.7	250	126.8	3,170.4
C6e - Smart Start	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-
Total	2.80	1.26	2.48	18,265.5	8,221.2	23,320.3	6,528.9	2,856.4	7,874.0	106,146.1	868.4	684.2	9,447	13,327.5	296,740.8

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

Annual kWh Savings	7,874,009	66.8%	kWh > 55%	Lifetime kWh Savings	106,146,129	55.0%	kWh < 55%
Annual MMBTU Savings (in kWh)	3,905,912	33.2%		Lifetime MMBTU Savings (in kWh)	86,966,155	45.0%	
	11,779,921	100.0%			193,112,284	100.0%	

Annual Savings as a % of 2019 Sales	1.03%
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Spending per Customer	Low-Income	\$	549.50
	Residential	\$	41.85
	C&I	\$	56.96

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.43	0.12	1.48	5,877.9	489.4	6,121.9	4,122.8	-	400.1	5,917.3	96.2	24.4	294	6,297.0	153,268.8
A1 - Energy Star Homes	7.00	0.76	6.76	13,808.4	1,508.3	15,893.2	1,972.0	378.2	941.2	23,339.7	251.2	7.8	301	14,757.3	363,562.8
A2 - Home Performance with Energy Star	2.63	0.21	2.49	9,639.7	779.1	10,969.7	3,661.5	750.5	613.2	10,433.1	189.3	7.3	523	16,236.8	322,331.0
A3 - Energy Star Products	1.91	1.45	2.32	6,737.8	5,140.7	9,298.5	3,533.6	477.7	5,549.4	45,549.7	925.7	859.0	89,148	1,272.7	17,818.2
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	11.8	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	113.2	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total Residential	2.69	0.59	2.81	36,063.7	7,917.6	42,283.4	13,414.9	1,606.4	7,503.9	85,239.9	1,462.4	898.5	90,266	38,563.8	856,980.9
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.84	1.84	1.26	5,586.4	5,586.4	8,343.1	3,039.1	3,566.0	9,087.9	118,150.0	461.7	580.5	93	-	-
C2 - Small Business Energy Solutions	3.18	3.18	2.81	10,631.6	10,631.6	16,499.9	3,348.3	2,525.9	8,377.1	111,582.7	1,076.0	846.8	655	-	-
C3 - Municipal Energy Solutions	1.74	1.06	1.25	825.7	504.4	1,119.2	474.7	420.8	431.1	5,674.3	41.4	48.2	44	380.5	9,511.3
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	27.5	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	117.6	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.43	2.39	1.92	17,043.7	16,722.4	25,962.2	7,007.2	6,512.7	17,896.2	235,407.1	1,579.1	1,475.5	792	380.5	9,511.3
C6e - Smart Start	-	-	-	-	-	-	15.4	-	-	-	-	-	-	-	-
Total	2.60	1.21	2.39	53,107.4	24,640.0	68,245.6	20,437.5	8,119.2	25,400.0	320,646.9	3,041.6	2,374.0	91,058	38,944.3	866,492.2

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars.

Annual kWh Savings	25,400,039	69.0%	kWh > 55%	Lifetime kWh Savings	320,646,949	55.8%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>11,413,438</u>	31.0%		Lifetime MMBTU Savings (in kWh)	<u>253,943,806</u>	44.2%	
	36,813,477	100.0%			574,590,755	100.0%	

Cumulative Savings as a % of 2019 Sales	3.32%	Spending per Customer	Low-Income	\$	1,700.82
			Residential	\$	134.50
			C&I	\$	173.43

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of			Source
					Coefficient	Coefficient	Planned PI	Planned PI	Actual PI	
1 Lifetime kWh Savings	106,807,115	69,424,625		-	1.925%	-	\$ 134,730	\$ 168,412	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	9,144,021	5,943,614		-	0.550%	-	\$ 38,494	\$ 48,118	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	893	580		-	0.660%	-	\$ 46,193	\$ 57,741	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,175	764		-	0.440%	-	\$ 30,795	\$ 38,494	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	-	-		-	0.000%	-	\$ -	\$ -	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 15,996,263			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 6,998,953			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 8,997,310	\$ 5,848,252	\$ -	-	1.925%	-	\$ 134,730	\$ 168,412	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 384,942	\$ 481,178	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 16,976,465		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 384,942	\$ -	from row 9 above
12 Total Utility Costs	\$ 6,998,953	\$ -	from row 7 above
13 Portfolio GST BCR	2.30	-	row 10 divided by rows 11+12

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.

² Net of Smart Start

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of			Source
					Coefficient	Coefficient	Planned PI	Planned PI	Actual PI	
1 Lifetime kWh Savings	107,693,705	70,000,908		-	1.925%	-	\$ 132,805	\$ 166,006	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	8,382,009	5,448,306		-	0.550%	-	\$ 37,944	\$ 47,430	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	797	518		-	0.660%	-	\$ 45,533	\$ 56,916	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	998	649		-	0.440%	-	\$ 30,355	\$ 37,944	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	-	-		-	0.000%	-	\$ -	\$ -	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 16,752,375			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 6,898,936			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 9,853,439	\$ 6,404,735	\$ -	-	1.925%	-	\$ 132,805	\$ 166,006	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 379,441	\$ 474,302	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 17,865,479		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 379,441	\$ -	from row 9 above
12 Total Utility Costs	\$ 6,898,936	\$ -	from row 7 above
13 Portfolio GST BCR	2.45	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2022\$) is \$391,773.31.

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

Portfolio Planned Versus Actual Performance - 2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of		Actual PI	Source
					Coefficient	Coefficient	Planned PI	Planned PI		
1 Lifetime kWh Savings	106,146,129	68,994,984		-	1.925%	-	\$ 125,592	\$ 156,990	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	7,874,009	5,118,106		-	0.550%	-	\$ 35,883	\$ 44,854	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	684	445		-	0.660%	-	\$ 43,060	\$ 53,825	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	868	564		-	0.440%	-	\$ 28,707	\$ 35,883	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	-	-		-	0.000%	-	\$ -	\$ -	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 17,055,460			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 6,524,240			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 10,531,219	\$ 6,845,293	\$ -	-	1.925%	-	\$ 125,592	\$ 156,990	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 358,833	\$ 448,542	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 18,265,473		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 358,833	\$ -	from row 9 above
12 Total Utility Costs	\$ 6,524,240	\$ -	from row 7 above
13 Portfolio GST BCR	2.65	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$382,536.39.

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

Portfolio Planned Versus Actual Performance - 2021-2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of		Actual PI	Source
					Coefficient	Coefficient	Planned PI	Planned PI		
1 Lifetime kWh Savings	320,646,949	208,420,517		-	1.925%	-	\$ 393,126	\$ 491,407	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	25,400,039	16,510,026		-	0.550%	-	\$ 112,322	\$ 140,402	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	2,374	1,543		-	0.660%	-	\$ 134,786	\$ 168,483	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	3,042	1,977		-	0.440%	-	\$ 89,857	\$ 112,322	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	-	-		-	0.000%	-	\$ -	\$ -	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 49,804,098			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ^{1,2}	\$ 20,422,129			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 29,381,969	\$ 19,098,280	\$ -	-	1.925%	-	\$ 393,126	\$ 491,407	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 1,123,217	\$ 1,404,021	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 53,107,416		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 1,123,217	\$ -	from row 9 above
12 Total Utility Costs	\$ 20,422,129	\$ -	from row 7 above
13 Portfolio GST BCR	2.46	-	row 10 divided by rows 11+12

Costs, Benefits, and PI Expressed in 2021 Dollars. Three-year nominal PI is \$1,159,252.11.

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

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
B1a - HEA (Weatherization)	Air Sealing, Cord Wood	E21B1a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Electric	E21B1a002	83	94	99	12.4	14.1	14.8	186.7	211.2	221.7	4.0	4.5	4.7	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Gas	E21B1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Kerosene	E21B1a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Oil	E21B1a005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Propane	E21B1a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Wood Pellets	E21B1a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Electric	E21B1a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Gas	E21B1a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Kerosene	E21B1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Oil	E21B1a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Propane	E21B1a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Electric	E21B1a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	E21B1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Kerosene	E21B1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Oil	E21B1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Propane	E21B1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Cord Wood	E21B1a022	90	102	107	-	-	-	-	-	-	-	-	-	-	-	-	367.2	415.2	436.0	9,179.6	10,381.2	10,900.2
B1a - HEA (Weatherization)	Insulation, Electric	E21B1a023	84	95	100	31.3	35.3	37.1	781.4	883.7	927.9	9.9	11.2	11.8	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Gas	E21B1a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Kerosene	E21B1a025	90	102	107	-	-	-	-	-	-	-	-	-	-	-	-	606.6	686.0	720.3	15,164.0	17,148.9	18,006.3
B1a - HEA (Weatherization)	Insulation, Oil	E21B1a026	90	102	107	-	-	-	-	-	-	-	-	-	-	-	-	364.2	411.9	432.5	9,106.2	10,298.2	10,813.1
B1a - HEA (Weatherization)	Insulation, Propane	E21B1a027	90	102	107	-	-	-	-	-	-	-	-	-	-	-	-	188.9	213.6	224.3	4,722.0	5,340.1	5,607.1
B1a - HEA (Weatherization)	Insulation, Wood Pellets	E21B1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Electric	E21B1a030	69	78	82	11.8	13.3	14.0	82.5	93.3	98.0	2.3	2.6	2.8	0.9	1.0	1.1	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	E21B1a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Kerosene	E21B1a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Oil	E21B1a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Propane	E21B1a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Electric	E21B1a037	27	30	32	3.3	3.8	4.0	50.0	56.5	59.3	0.7	0.7	0.8	0.3	0.3	0.3	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	E21B1a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Kerosene	E21B1a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Oil	E21B1a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Propane	E21B1a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	DHW Heat Pump Water Heater	E21B1a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	E21B1a044	479	542	569	15.4	17.4	18.3	30.8	34.8	36.5	3.3	3.8	3.9	2.1	2.4	2.5	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Linear	E21B1a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Other Specialty	E21B1a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Reflector	E21B1a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Fixture	E21B1a048	23	26	28	0.8	0.9	0.9	1.6	1.8	1.9	0.2	0.2	0.2	0.1	0.1	0.1	-	-	-	-	-	-
B1a - HEA (Weatherization)	Refrigerator	E21B1a049	83	32	34	52.0	20.3	21.3	624.2	243.0	255.2	5.9	2.3	2.4	7.3	2.8	3.0	-	-	-	-	-	-
B1a - HEA (Weatherization)	Freezer	E21B1a050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Clothes Washer	E21B1a051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Clothes Dryer	E21B1a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Dehumidifier	E21B1a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Room Air Conditioner	E21B1a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Triple Pane Window	E21B1a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Visual Audit	E21B1a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - SF	E21B1a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - MF	E21B1a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Income Kits	E21B1a059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Boiler Replacement, Gas	E21B1b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Boiler Replacement, Kerosene	E21B1b002	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.7	9.1	214.6	217.6	228.5
B1b - HEA (HVAC Systems)	Boiler Replacement, Oil	E21B1b003	6	10	10	0.4	0.7	0.7	10.3	16.9	17.7	0.1	0.2	0.2	-	-	-	85.3	140.2	147.2	2,133.1	3,505.2	3,680.4
B1b - HEA (HVAC Systems)	Boiler Replacement, Propane	E21B1b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Furnace Replacement, Gas	E21B1b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Furnace Replacement, Kerosene	E21B1b006	7	6	6	0.6	0.4	0.5	11.8	9.0	9.4	0.2	0.1	0.1	-	-	-	63.3	48.4	50.8	1,265.1	967.4	1,015.7
B1b - HEA (HVAC Systems)	Furnace Replacement, Oil	E21B1b007	15	10	11	2.3	1.6	1.7	45.1	31.7	33.3	0.7	0.5	0.5	-	-	-	223.2	157.1	164.9	4,464.7	3,141.1	3,298.2
B1b - HEA (HVAC Systems)	Furnace Replacement, Propane	E21B1b008	3	3	3	0.5	0.4	0.4	9.0	7.7	8.1	0.1	0.1	0.1	-	-	-	44.9	38.4	40.3	897.8	767.1	805.4
B1b - HEA (HVAC Systems)	Programmable Thermostat, Electric	E21B1b009	44	49	52	3.3	3.7	3.9	49.0	55.4	58.1	1.0	1.2	1.2	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Programmable Thermostat, Gas	E21B1b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Programmable Thermostat, Kerosene	E21B1b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Programmable Thermostat, Oil	E21B1b012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Programmable Thermostat, Propane	E21B1b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Programmable Thermostat, Wood Pellets	E21B1b014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Wifi Thermostat, Electric	E21B1b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU			
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	
B1b - HEA (HVAC Systems)	Wifi Thermostat, Gas	E21B1b016	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Wifi Thermostat, Kerosene	E21B1b017	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Wifi Thermostat, Oil	E21B1b018	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Wifi Thermostat, Propane	E21B1b019	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Wifi Thermostat, Wood Pellets	E21B1b020	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Mini Split HP (cooling)	E21B1b021	-	-	-														-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Mini Split HP (heating)	E21B1b022	-	-	8			36.8			663.0			11.7			-		-	-	-	-	-	-
Home Energy Assistance Subtotal						134.0	111.9	154.3	1,882.2	1,644.9	2,390.2	28.4	27.4	40.5	10.7	6.7	7.0	1,952.2	2,119.4	2,225.4	47,147.1	51,766.7	54,355.0	

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A1a - ES Homes	Cooling, Electric, SF	E21A1a001	23	23	23	3.5	3.5	3.5	86.3	86.3	86.3	-	-	-	1.9	1.9	1.9	-	-	-	-	-	-
A1a - ES Homes	Heating, Electric, SF	E21A1a002	22	22	22	261.6	261.6	261.6	6,540.5	6,540.5	6,540.5	83.1	83.1	83.1	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, SF	E21A1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Oil, SF	E21A1a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Propane, SF	E21A1a005	78	78	78	43.6	43.6	43.6	1,090.7	1,090.7	1,090.7	-	-	-	-	-	-	4,740.9	4,740.9	4,740.9	118,522.4	118,522.4	118,522.4
A1a - ES Homes	Heating, Wood Pellets, SF	E21A1a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Electric, SF	E21A1a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Gas, SF	E21A1a008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Oil, SF	E21A1a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Propane, SF	E21A1a010	39	39	39	-	-	-	-	-	-	-	-	-	-	-	-	170.1	170.1	170.1	2,551.6	2,551.6	2,551.6
A1a - ES Homes	Hot Water, Wood Pellets, SF	E21A1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Cooling, Electric, MF	E21A1a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Electric, MF	E21A1a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, MF	E21A1a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Oil, MF	E21A1a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Propane, MF	E21A1a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Wood Pellets, MF	E21A1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Electric, MF	E21A1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Gas, MF	E21A1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Oil, MF	E21A1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Propane, MF	E21A1a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Wood Pellets, MF	E21A1a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	LED Bulb	E21A1a023	47	47	47	0.3	0.3	0.3	0.9	0.9	0.9	0.1	0.1	0.1	0.0	0.0	0.0	-	-	-	-	-	-
A1a - ES Homes	LED Fixture	E21A1a024	12	12	12	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
A1a - ES Homes	Refrigerator	E21A1a025	49	49	49	2.0	2.0	2.0	23.9	23.9	23.9	0.2	0.2	0.2	0.3	0.3	0.3	-	-	-	-	-	-
A1a - ES Homes	Clothes Washer	E21A1a026	30	30	30	2.7	2.7	2.7	37.4	37.4	37.4	0.4	0.4	0.4	0.4	0.4	0.4	8.1	8.1	8.1	113.6	113.6	113.6
A1a - ES Homes	Clothes Dryer	E21A1a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	HERS - Lighting and Appliances	E21A1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Residential New Construction Code Compliance	E21A1a029	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES Homes Subtotal						313.7	313.7	313.7	7,779.9	7,779.9	7,779.9	83.7	83.7	83.7	2.6	2.6	2.6	4,919.1	4,919.1	4,919.1	121,187.6	121,187.6	121,187.6

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A2a - HPwES (Weatheriza	Air Sealing, Cord Wood	E21A2a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Electric	E21A2a002	161	169	177	59.4	62.4	65.5	891.0	935.5	982.3	18.9	19.8	20.8	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Gas	E21A2a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Kerosene	E21A2a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Oil	E21A2a005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Propane	E21A2a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Air Sealing, Wood Pellets	E21A2a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Faucet Aerator, Electric	E21A2a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Faucet Aerator, Gas	E21A2a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Faucet Aerator, Kerosene	E21A2a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Faucet Aerator, Oil	E21A2a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Faucet Aerator, Propane	E21A2a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Hand Held Showerhead, Electric	E21A2a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Hand Held Showerhead, Gas	E21A2a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Hand Held Showerhead, Kerosene	E21A2a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Hand Held Showerhead, Oil	E21A2a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Hand Held Showerhead, Propane	E21A2a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Insulation, Cord Wood	E21A2a022	166	174	183	-	-	-	-	-	-	-	-	-	-	-	-	372.7	391.3	410.9	7,961.1	8,359.1	8,777.1
A2a - HPwES (Weatheriza	Insulation, Electric	E21A2a023	159	167	175	89.7	94.1	98.9	2,241.5	2,353.6	2,471.3	28.5	29.9	31.4	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Insulation, Gas	E21A2a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Insulation, Kerosene	E21A2a025	166	174	183	-	-	-	-	-	-	-	-	-	-	-	-	14.5	15.2	15.9	323.7	339.9	356.9
A2a - HPwES (Weatheriza	Insulation, Oil	E21A2a026	166	174	183	-	-	-	-	-	-	-	-	-	-	-	-	2,516.1	2,641.9	2,774.0	53,039.3	55,691.3	58,475.9
A2a - HPwES (Weatheriza	Insulation, Propane	E21A2a027	166	174	183	-	-	-	-	-	-	-	-	-	-	-	-	1,349.0	1,416.5	1,487.3	28,572.5	30,001.1	31,501.2
A2a - HPwES (Weatheriza	Insulation, Wood Pellets	E21A2a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Low Flow Showerhead, Electric	E21A2a030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Low Flow Showerhead, Gas	E21A2a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Low Flow Showerhead, Kerosene	E21A2a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Low Flow Showerhead, Oil	E21A2a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Low Flow Showerhead, Propane	E21A2a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Electric	E21A2a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Gas	E21A2a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Kerosene	E21A2a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Oil	E21A2a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Propane	E21A2a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	DHW Heat Pump Water Heater	E21A2a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	LED Bulb, General Service Lamps	E21A2a044	479	503	528	16.7	17.6	18.5	33.5	35.2	36.9	3.6	3.8	4.0	2.3	2.4	2.6	-	-	-	-	-	-
A2a - HPwES (Weatheriza	LED Bulb, Linear	E21A2a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	LED Bulb, Other Specialty	E21A2a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	LED Bulb, Reflector	E21A2a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	LED Fixture	E21A2a048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Refrigerator	E21A2a049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Freezer	E21A2a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Clothes Washer	E21A2a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Clothes Dryer	E21A2a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Dehumidifier	E21A2a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Room Air Conditioner	E21A2a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Triple Pane Window	E21A2a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatheriza	Visual Audit Oil Savings	E21A2a050	42	42	42	-	-	-	-	-	-	-	-	-	-	-	-	471.9	471.9	471.9	6,488.6	6,488.6	6,488.6
A2a - HPwES (Weatheriza	Visual Audit Propane Savings	E21A2a051	42	42	42	-	-	-	-	-	-	-	-	-	-	-	-	471.9	471.9	471.9	6,488.6	6,488.6	6,488.6
A2a - HPwES (Weatheriza	Visual Audit Electric Savings	E21A2a052	91	91	91	30.2	30.2	30.2	150.8	150.8	150.8	9.6	9.6	9.6	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Boiler Replacement, Gas	E21A2b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Boiler Replacement, Kerosene	E21A2b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Boiler Replacement, Oil	E21A2b003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Boiler Replacement, Propane	E21A2b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Furnace Replacement, Gas	E21A2b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Furnace Replacement, Kerosene	E21A2b006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Furnace Replacement, Oil	E21A2b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Furnace Replacement, Propane	E21A2b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Electric	E21A2b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Gas	E21A2b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Kerosene	E21A2b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Oil	E21A2b012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Propane	E21A2b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Programmable Thermostat, Wood Pellets	E21A2b014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Wifi Thermostat, Electric	E21A2b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC Syst	Wifi Thermostat, Gas	E21A2b016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A2b - HPwES (HVAC Syst	Wifi Thermostat, Kerosene	E21A2b017	-	-	-																		
A2b - HPwES (HVAC Syst	Wifi Thermostat, Oil	E21A2b018	-	-	-																		
A2b - HPwES (HVAC Syst	Wifi Thermostat, Propane	E21A2b019	-	-	-																		
A2b - HPwES (HVAC Syst	Wifi Thermostat, Wood Pellets	E21A2b020	-	-	-																		
Home Performance with Energy Star Subtotal						196.0	204.2	213.0	3,316.8	3,475.0	3,641.3	60.5	63.1	65.7	2.3	2.4	2.6	5,196.1	5,408.7	5,632.0	102,873.9	107,368.8	112,088.3

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A3a - ES Lighting	LED Bulb, General Service Lamps	E21A3a001	95,948	47,974	-	820.0	285.8	-	2,460.1	857.3	-	177.0	61.7	-	114.2	39.8	-	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear	E21A3a002	15,534	7,767	914	43.4	15.1	1.0	433.8	151.2	9.0	9.4	3.3	0.2	6.0	2.1	0.1	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty	E21A3a003	27,414	13,707	9,138	262.6	91.5	34.5	787.8	274.5	69.0	56.7	19.8	7.4	36.6	12.7	4.8	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector	E21A3a004	31,983	15,991	-	339.0	118.1	-	678.1	236.3	-	73.2	25.5	-	47.2	16.5	-	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, General Service Lamps (Hard to Reach)	E21A3a005	5,050	2,525	1,683	69.3	28.1	14.4	208.0	84.4	28.8	15.0	6.1	3.1	9.7	3.9	2.0	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear (Hard to Reach)	E21A3a006	902	451	301	4.0	1.6	0.8	40.4	16.4	7.6	0.9	0.4	0.2	0.6	0.2	0.1	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty (Hard to Reach)	E21A3a007	1,443	721	481	22.2	9.0	4.6	66.6	27.0	9.2	4.8	1.9	1.0	3.1	1.3	0.6	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector (Hard to Reach)	E21A3a008	2,525	1,262	842	43.0	17.4	8.9	86.0	34.9	8.9	9.3	3.8	1.9	6.0	2.4	1.2	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture	E21A3a009	6,825	3,413	2,275	54.1	18.9	7.1	162.3	56.6	14.2	11.7	4.1	1.5	7.5	2.6	1.0	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture (Hard to Reach)	E21A3a010	359	180	120	4.6	1.9	0.9	13.7	5.6	1.9	1.0	0.4	0.2	0.6	0.3	0.1	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier I	E21A3b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier II	E21A3b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (cooling)	E21A3b003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (heating)	E21A3b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (cooling)	E21A3b005	400	300	300	41.2	30.9	30.9	741.1	555.8	555.8	-	-	-	22.7	17.0	17.0	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (heating)	E21A3b006	400	300	300	131.3	98.5	98.5	2,363.8	1,772.8	1,772.8	41.7	31.3	31.3	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal - Downstream	E21A3b007	150	150	150	144.2	144.2	144.2	1,874.0	1,874.0	1,874.0	23.7	23.7	23.7	13.1	13.1	13.1	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal - Downstream	E21A3b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Heat Pump Swimming Pool Heater	E21A3b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Dryers	E21A3b010	682	682	682	109.4	109.4	109.4	1,312.7	1,312.7	1,312.7	18.6	18.6	18.6	14.4	14.4	14.4	-	-	-	-	-	-
A3b - ES Appliances	Dryer Heat Pump	E21A3b011	45	45	45	18.9	18.9	18.9	227.4	227.4	227.4	3.2	3.2	3.2	2.5	2.5	2.5	-	-	-	-	-	-
A3b - ES Appliances	Dryer Hybrid	E21A3b012	23	23	23	4.9	4.9	4.9	58.9	58.9	58.9	0.8	0.8	0.8	0.6	0.6	0.6	-	-	-	-	-	-
A3c - ES HVAC Systems	ECM Motors for FHA Furnace Fans	E21A3b014	3	3	3	0.5	0.5	0.5	7.6	7.6	7.6	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	ES AC (central) 3 ton	E21A3b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Room Air Conditioner	E21A3b016	455	455	455	7.3	7.3	7.3	58.2	58.2	58.2	-	-	-	3.8	3.8	3.8	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Washers	E21A3b017	682	682	682	60.5	60.5	60.5	846.6	846.6	846.6	8.5	8.5	8.5	8.0	8.0	8.0	183.5	183.5	183.5	2,568.4	2,568.4	2,568.4
A3b - ES Appliances	Washer Tier CEE Tier 2+	E21A3b018	546	546	546	85.1	85.1	85.1	1,191.7	1,191.7	1,191.7	12.0	12.0	12.0	11.3	11.3	11.3	240.8	240.8	240.8	3,371.0	3,371.0	3,371.0
A3b - ES Appliances	ES Dehumidifier	E21A3b019	546	546	546	78.9	78.9	78.9	946.8	946.8	946.8	3.2	3.2	3.2	15.1	15.1	15.1	-	-	-	-	-	-
A3b - ES Appliances	ES Dishwasher	E21A3b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Freezers	E21A3b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator	E21A3b022	591	591	591	24.2	24.2	24.2	290.8	290.8	290.8	2.8	2.8	2.8	3.4	3.4	3.4	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator CEE Tier 2+	E21A3b023	227	227	227	21.9	21.9	21.9	262.6	262.6	262.6	2.5	2.5	2.5	3.1	3.1	3.1	-	-	-	-	-	-
A3b - ES Appliances	ES Pool Pumps (Variable Speed)	E21A3b024	68	65	68	72.2	69.3	72.2	722.2	692.5	722.2	-	-	-	41.7	40.0	41.7	-	-	-	-	-	-
A3b - ES Appliances	Room Air Purifier	E21A3b025	227	227	227	88.6	88.6	88.6	797.8	797.8	797.8	10.1	10.1	10.1	10.1	10.1	10.1	-	-	-	-	-	-
A3c - ES HVAC Systems	Wifi Thermostat (Heating & Cooling)	E21A3b026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Primary Refrigerator Recycling	E21A3b027	91	91	91	44.7	44.7	44.7	357.9	357.9	357.9	5.1	5.1	5.1	6.3	6.3	6.3	-	-	-	-	-	-
A3b - ES Appliances	Secondary Refrigerator Recycling	E21A3b028	227	227	227	171.4	171.4	171.4	1,371.1	1,371.1	1,371.1	16.1	16.1	16.1	26.8	26.8	26.8	-	-	-	-	-	-
A3b - ES Appliances	Secondary Freezer Recycling	E21A3b029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Room Air Conditioner Recycling	E21A3b030	7	7	7	0.1	0.1	0.1	0.6	0.6	0.6	-	-	-	0.1	0.1	0.1	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit Resistance	E21A3b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit HP	E21A3b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit HP	E21A3b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit Resistance	E21A3b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal - Midstream	E21A3b035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal - Midstream	E21A3b036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES Products Subtotal						2,767.8	1,646.9	1,134.7	18,370.9	14,372.3	12,806.4	507.3	264.8	153.6	414.4	257.3	187.3	424.2	424.2	424.2	5,939.4	5,939.4	5,939.4

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1a - LCI Retrofit	Custom Large Compressed Air Retro	E21C1a001	-	-	-																		
C1a - LCI Retrofit	Custom Large Hot Water Retro	E21C1a002	-	-	-																		
C1a - LCI Retrofit	Custom Large HVAC Retro	E21C1a003	-	-	-																		
C1a - LCI Retrofit	Custom Large Lighting Retro - Interior	E21C1a004	14	14	14	1,198.2	1,202.0	1,224.1	15,576.9	15,625.6	15,913.2	146.3	146.8	149.5	191.9	192.5	196.1	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Lighting Retro - Exterior	E21C1a047	2	2	2	31.5	31.6	32.2	409.8	411.1	418.7	6.3	6.3	6.4	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Lighting Retro - Controls	E21C1a048	0	0	0	1.4	1.4	1.4	12.4	12.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Motors Retro	E21C1a005	-	-	-																		
C1a - LCI Retrofit	Custom Large Process Retro	E21C1a006	-	-	-																		
C1a - LCI Retrofit	Custom Large Refrigeration Retro	E21C1a007	5	5	5	338.8	339.9	346.1	4,404.7	4,418.5	4,499.8	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Custom Large Other Retro	E21C1a008	9	9	9	1,371.9	1,376.2	1,401.5	17,835.0	17,890.8	18,220.1	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Daylight Dimming	E21C1a009	-	-	-																		
C1a - LCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C1a010	-	-	-																		
C1a - LCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C1a011	-	-	-																		
C1a - LCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C1a012	-	-	-																		
C1a - LCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C1a013	-	-	-																		
C1a - LCI Retrofit	Lighting Occupancy Sensors	E21C1a014	-	-	-																		
C1a - LCI Retrofit	Boiler Reset Controls, Electric	E21C1a015	-	-	-																		
C1a - LCI Retrofit	Case Motor Replacement	E21C1a016	-	-	-																		
C1a - LCI Retrofit	Cooler Night Cover	E21C1a017	-	-	-																		
C1a - LCI Retrofit	Demand Control Ventilation	E21C1a018	-	-	-																		
C1a - LCI Retrofit	Door Heater Controls	E21C1a019	-	-	-																		
C1a - LCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C1a020	-	-	-																		
C1a - LCI Retrofit	Duct Sealing, Electric	E21C1a021	-	-	-																		
C1a - LCI Retrofit	Ductless Mini Split Heat Pump	E21C1a022	-	-	-																		
C1a - LCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C1a023	-	-	-																		
C1a - LCI Retrofit	Electronic Defrost Control	E21C1a024	-	-	-																		
C1a - LCI Retrofit	Energy Management System, Electric	E21C1a025	-	-	-																		
C1a - LCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C1a026	-	-	-																		
C1a - LCI Retrofit	Evaporator Fan Control	E21C1a027	-	-	-																		
C1a - LCI Retrofit	Faucet Aerator, Electric	E21C1a028	-	-	-																		
C1a - LCI Retrofit	Hotel Occupancy Sensor	E21C1a031	-	-	-																		
C1a - LCI Retrofit	Low Pressure Drop Filter	E21C1a032	-	-	-																		
C1a - LCI Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C1a033	-	-	-																		
C1a - LCI Retrofit	Low-Flow Showerhead, Electric	E21C1a034	-	-	-																		
C1a - LCI Retrofit	Motors, Open Drip	E21C1a035	-	-	-																		
C1a - LCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C1a036	-	-	-																		
C1a - LCI Retrofit	Novelty Cooler Shutoff	E21C1a037	-	-	-																		
C1a - LCI Retrofit	Pipe Wrap - Heating, Electric	E21C1a038	-	-	-																		
C1a - LCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C1a039	-	-	-																		
C1a - LCI Retrofit	Pre Rinse Spray Valve, Electric	E21C1a040	-	-	-																		
C1a - LCI Retrofit	Programmable Thermostat, Electric	E21C1a041	-	-	-																		
C1a - LCI Retrofit	Steam Trap, Electric	E21C1a042	-	-	-																		
C1a - LCI Retrofit	Variable Frequency Drive	E21C1a043	0	0	1	35.1	35.2	107.6	456.3	457.7	1,398.4	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Variable Frequency Drive with Motor	E21C1a044	-	-	-																		
C1a - LCI Retrofit	Vending Miser	E21C1a045	-	-	-																		
C1a - LCI Retrofit	Zero Loss Condensate Drain	E21C1a046	-	-	-																		
C1a - LCI Retrofit	Large Retrocommissioning	E21C1a049	-	-	-																		
C1b - LCI New Equipment	Custom Large Compressed Air New	E21C1b001	-	-	-																		
C1b - LCI New Equipment	Custom Large Hot Water New	E21C1b002	-	-	-																		
C1b - LCI New Equipment	Custom Large HVAC New	E21C1b003	1	1	0	5.0	5.0	1.7	75.2	75.4	25.6	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment	Custom Large Lighting New - Interior	E21C1b004	-	-	-																		
C1b - LCI New Equipment	Custom Large Lighting New - Exterior	E21C1b054	-	-	-																		
C1b - LCI New Equipment	Custom Large Lighting New - Controls	E21C1b055	-	-	-																		
C1b - LCI New Equipment	Custom Large Motors New	E21C1b005	-	-	-																		
C1b - LCI New Equipment	Custom Large Process New	E21C1b006	-	-	-																		
C1b - LCI New Equipment	Custom Large Refrigeration New	E21C1b007	-	-	-																		
C1b - LCI New Equipment	Custom Large Other New	E21C1b008	-	-	-																		
C1b - LCI New Equipment	Custom Large Comprehensive Design	E21C1b056	-	-	-																		
C1b - LCI New Equipment	Daylight Dimming	E21C1b009	-	-	-																		
C1b - LCI New Equipment	Lighting Occupancy Sensors	E21C1b014	-	-	-																		
C1b - LCI New Equipment	Advanced Power Strip	E21C1b015	-	-	-																		
C1b - LCI New Equipment	Air Compressor	E21C1b016	-	-	-																		
C1b - LCI New Equipment	Air Nozzle	E21C1b017	-	-	-																		
C1b - LCI New Equipment	Circulator Pump	E21C1b018	-	-	-																		
C1b - LCI New Equipment	Combination Oven, Electric	E21C1b019	-	-	-																		
C1b - LCI New Equipment	Compressor Storage	E21C1b020	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1b - LCI New Equipment	Convection Oven, Electric	E21C1b021	-	-	-																		
C1b - LCI New Equipment	Dishwasher - High Temp Door Type	E21C1b022	-	-	-																		
C1b - LCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C1b023	-	-	-																		
C1b - LCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C1b024	-	-	-																		
C1b - LCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C1b025	-	-	-																		
C1b - LCI New Equipment	Dishwasher - High Temp Under Counter	E21C1b026	-	-	-																		
C1b - LCI New Equipment	Dishwasher - Low Temp Door Type	E21C1b027	-	-	-																		
C1b - LCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C1b028	-	-	-																		
C1b - LCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C1b029	-	-	-																		
C1b - LCI New Equipment	Dishwasher - Low Temp Under Counter	E21C1b030	-	-	-																		
C1b - LCI New Equipment	Faucet Aerator, Electric	E21C1b031	-	-	-																		
C1b - LCI New Equipment	Fryer Large Vat, Electric	E21C1b032	-	-	-																		
C1b - LCI New Equipment	Fryer Standard Vat, Electric	E21C1b033	-	-	-																		
C1b - LCI New Equipment	Griddle, Electric	E21C1b034	-	-	-																		
C1b - LCI New Equipment	Ground Source Heat Pump	E21C1b035	-	-	-																		
C1b - LCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C1b036	-	-	-																		
C1b - LCI New Equipment	Hot Food Holding Cabinet Full Size	E21C1b037	-	-	-																		
C1b - LCI New Equipment	Hot Food Holding Cabinet Half Size	E21C1b038	-	-	-																		
C1b - LCI New Equipment	Ice Machine - Ice Making Head	E21C1b039	-	-	-																		
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C1b040	-	-	-																		
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C1b041	-	-	-																		
C1b - LCI New Equipment	Ice Machine - Self Contained	E21C1b042	-	-	-																		
C1b - LCI New Equipment	Low Pressure Drop Filter	E21C1b043	-	-	-																		
C1b - LCI New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C1b044	-	-	-																		
C1b - LCI New Equipment	Low-Flow Showerhead, Electric	E21C1b045	-	-	-																		
C1b - LCI New Equipment	Pre Rinse Spray Valve, Electric	E21C1b046	-	-	-																		
C1b - LCI New Equipment	Refrigerated Air Dryer	E21C1b047	-	-	-																		
C1b - LCI New Equipment	Steam Cooker, Electric	E21C1b048	-	-	-																		
C1b - LCI New Equipment	Unitary Air Conditioner	E21C1b049	-	-	-																		
C1b - LCI New Equipment	Water Source Heat Pump	E21C1b050	-	-	-																		
C1b - LCI New Equipment	Zero Loss Condensate Drain	E21C1b051	-	-	-																		
C1b - LCI New Equipment	High Efficiency Chiller - FL	E21C1b052	-	-	-																		
C1b - LCI New Equipment	High Efficiency Chiller - IPLV	E21C1b053	-	-	-																		
C1b - LCI New Equipment	C&I Large New Construction Code Compliance	E21C1b057	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Circulator Pump	E21C1c001	-	-	-																		
C1c - LCI Midstream	Midstream Demand Control Ventilation	E21C1c002	-	-	-																		
C1c - LCI Midstream	Midstream DMSHP Systems	E21C1c003	-	-	-																		
C1c - LCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C1c004	-	-	-																		
C1c - LCI Midstream	Midstream ECM Fan Motors	E21C1c005	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Systems	E21C1c006	-	-	-																		
C1c - LCI Midstream	Midstream Unitary Air Conditioners	E21C1c007	-	-	-																		
C1c - LCI Midstream	Midstream VRF	E21C1c008	-	-	-																		
C1c - LCI Midstream	Midstream Water Source Heat Pump Systems	E21C1c009	-	-	-																		
C1c - LCI Midstream	Midstream LED Downlight	E21C1c010	-	-	-																		
C1c - LCI Midstream	Midstream LED Exterior	E21C1c011	-	-	-																		
C1c - LCI Midstream	Midstream LED High Bay/Low Bay	E21C1c012	-	-	-																		
C1c - LCI Midstream	Midstream LED Linear Fixture	E21C1c013	-	-	-																		
C1c - LCI Midstream	Midstream LED Linear Fixture with Controls	E21C1c014	-	-	-																		
C1c - LCI Midstream	Midstream LED Linear Lamp	E21C1c015	-	-	-																		
C1c - LCI Midstream	Midstream LED Screw In	E21C1c016	-	-	-																		
C1c - LCI Midstream	Midstream LED Stairwell Kit	E21C1c017	-	-	-																		
C1c - LCI Midstream	Midstream Combination Oven, Electric	E21C1c018	-	-	-																		
C1c - LCI Midstream	Midstream Convection Oven, Electric	E21C1c019	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C1c020	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - High Temp Multi Tank Conveyor	E21C1c021	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, Utensil	E21C1c022	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - High Temp Single Tank Conveyor	E21C1c023	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - High Temp Under Counter	E21C1c024	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C1c025	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Multi Tank Conveyor	E21C1c026	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Single Tank Conveyor	E21C1c027	-	-	-																		
C1c - LCI Midstream	Midstream Dishwasher - Low Temp Under Counter	E21C1c028	-	-	-																		
C1c - LCI Midstream	Midstream Freezer - Solid Door	E21C1c029	-	-	-																		
C1c - LCI Midstream	Midstream Freezer -Glass Door	E21C1c030	-	-	-																		
C1c - LCI Midstream	Midstream Fryer Large Vat, Electric	E21C1c031	-	-	-																		
C1c - LCI Midstream	Midstream Fryer Standard Vat, Electric	E21C1c032	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1c - LCI Midstream	Midstream Griddle, Electric	E21C1c033	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C1c034	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C1c035	-	-	-																		
C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C1c036	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Ice Making Head	E21C1c037	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Batch	E21C1c038	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Contin	E21C1c039	-	-	-																		
C1c - LCI Midstream	Midstream Ice Machine Self Contained	E21C1c040	-	-	-																		
C1c - LCI Midstream	Midstream Refrigerator - Glass Door	E21C1c041	-	-	-																		
C1c - LCI Midstream	Midstream Refrigerator - Solid Door	E21C1c042	-	-	-																		
C1c - LCI Midstream	Midstream Steam Cooker, Electric	E21C1c043	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 120 gallons	E21C1c044	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C1c045	-	-	-																		
C1c - LCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C1c046	-	-	-																		
C1d - LCI Direct Install	Custom Large Compressed Air Direct Install	E21C1d001	-	-	-																		
C1d - LCI Direct Install	Custom Large Hot Water Direct Install	E21C1d002	-	-	-																		
C1d - LCI Direct Install	Custom Large HVAC Direct Install	E21C1d003	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Interior	E21C1d004	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Exterior	E21C1d005	-	-	-																		
C1d - LCI Direct Install	Custom Large Lighting Direct Install - Controls	E21C1d006	-	-	-																		
C1d - LCI Direct Install	Custom Large Motors Direct Install	E21C1d007	-	-	-																		
C1d - LCI Direct Install	Custom Large Process Direct Install	E21C1d008	-	-	-																		
C1d - LCI Direct Install	Custom Large Refrigeration Direct Install	E21C1d009	-	-	-																		
C1d - LCI Direct Install	Custom Large Other Direct Install	E21C1d010	-	-	-																		
C1d - LCI Direct Install	Daylight Dimming	E21C1d011	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C1d012	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C1d013	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C1d014	-	-	-																		
C1d - LCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C1d015	-	-	-																		
C1d - LCI Direct Install	Lighting Occupancy Sensors	E21C1d016	-	-	-																		
C1d - LCI Direct Install	Boiler Reset Controls, Electric	E21C1d017	-	-	-																		
C1d - LCI Direct Install	Case Motor Replacement	E21C1d018	-	-	-																		
C1d - LCI Direct Install	Cooler Night Cover	E21C1d019	-	-	-																		
C1d - LCI Direct Install	Demand Control Ventilation	E21C1d020	-	-	-																		
C1d - LCI Direct Install	Door Heater Controls	E21C1d021	-	-	-																		
C1d - LCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C1d022	-	-	-																		
C1d - LCI Direct Install	Duct Sealing, Electric	E21C1d023	-	-	-																		
C1d - LCI Direct Install	Ductless Mini Split Heat Pump	E21C1d024	-	-	-																		
C1d - LCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C1d025	-	-	-																		
C1d - LCI Direct Install	Electronic Defrost Control	E21C1d026	-	-	-																		
C1d - LCI Direct Install	Energy Management System, Electric	E21C1d027	-	-	-																		
C1d - LCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C1d028	-	-	-																		
C1d - LCI Direct Install	Evaporator Fan Control	E21C1d029	-	-	-																		
C1d - LCI Direct Install	Faucet Aerator, Electric	E21C1d030	-	-	-																		
C1d - LCI Direct Install	Hotel Occupancy Sensor	E21C1d031	-	-	-																		
C1d - LCI Direct Install	Low Pressure Drop Filter	E21C1d032	-	-	-																		
C1d - LCI Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C1d033	-	-	-																		
C1d - LCI Direct Install	Low-Flow Showerhead, Electric	E21C1d034	-	-	-																		
C1d - LCI Direct Install	Motors, Open Drip	E21C1d035	-	-	-																		
C1d - LCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C1d036	-	-	-																		
C1d - LCI Direct Install	Novelty Cooler Shutoff	E21C1d037	-	-	-																		
C1d - LCI Direct Install	Pipe Wrap - Heating, Electric	E21C1d038	-	-	-																		
C1d - LCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C1d039	-	-	-																		
C1d - LCI Direct Install	Pre Rinse Spray Valve, Electric	E21C1d040	-	-	-																		
C1d - LCI Direct Install	Programmable Thermostat, Electric	E21C1d041	-	-	-																		
C1d - LCI Direct Install	Steam Trap, Electric	E21C1d042	-	-	-																		
C1d - LCI Direct Install	Variable Frequency Drive	E21C1d043	-	-	-																		
C1d - LCI Direct Install	Variable Frequency Drive with Motor	E21C1d044	-	-	-																		
C1d - LCI Direct Install	Vending Miser	E21C1d045	-	-	-																		
C1d - LCI Direct Install	Zero Loss Condensate Drain	E21C1d046	-	-	-																		
Large Business Energy Solutions Subtotal						2,982.0	2,991.3	3,114.7	38,770.2	38,891.5	40,488.3	152.7	153.1	156.0	191.9	192.5	196.1	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2a - SCI Retrofit	Custom Small Compressed Air Retro	E21C2a001	-	-	-																		
C2a - SCI Retrofit	Custom Small Hot Water Retro	E21C2a002	-	-	-																		
C2a - SCI Retrofit	Custom Small HVAC Retro	E21C2a003	-	-	-																		
C2a - SCI Retrofit	Custom Small Lighting Retro - Interior	E21C2a004	105	122	119	1,495.0	1,730.3	1,685.4	19,435.0	22,493.4	21,909.6	171.1	198.0	192.9	224.4	259.7	253.0	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Lighting Retro - Exterior	E21C2a047	38	44	44	541.5	614.2	617.0	7,039.0	7,984.2	8,021.1	105.4	119.6	120.2	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Lighting Retro - Controls	E21C2a048	-	-	-																		
C2a - SCI Retrofit	Custom Small Motors Retro	E21C2a005	-	-	-																		
C2a - SCI Retrofit	Custom Small Process Retro	E21C2a006	-	-	-																		
C2a - SCI Retrofit	Custom Small Refrigeration Retro	E21C2a007	6	7	8	100.4	113.9	139.3	1,305.5	1,480.8	1,811.3	-	11.3	-	-	10.3	-	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small Other Retro	E21C2a008	-	-	-																		
C2a - SCI Retrofit	Daylight Dimming	E21C2a009	-	-	-																		
C2a - SCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C2a010	-	-	-																		
C2a - SCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C2a011	-	-	-																		
C2a - SCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C2a012	-	-	-																		
C2a - SCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C2a013	-	-	-																		
C2a - SCI Retrofit	Lighting Occupancy Sensors	E21C2a014	-	-	-																		
C2a - SCI Retrofit	Boiler Reset Controls, Electric	E21C2a015	-	-	-																		
C2a - SCI Retrofit	Case Motor Replacement	E21C2a016	-	-	-																		
C2a - SCI Retrofit	Cooler Night Cover	E21C2a017	-	-	-																		
C2a - SCI Retrofit	Demand Control Ventilation	E21C2a018	-	-	-																		
C2a - SCI Retrofit	Door Heater Controls	E21C2a019	-	-	-																		
C2a - SCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C2a020	-	-	-																		
C2a - SCI Retrofit	Duct Sealing, Electric	E21C2a021	-	-	-																		
C2a - SCI Retrofit	Ductless Mini Split Heat Pump	E21C2a022	-	-	-																		
C2a - SCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C2a023	-	-	-																		
C2a - SCI Retrofit	Electronic Defrost Control	E21C2a024	-	-	-																		
C2a - SCI Retrofit	Energy Management System, Electric	E21C2a025	-	-	-																		
C2a - SCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C2a026	-	-	-																		
C2a - SCI Retrofit	Evaporator Fan Control	E21C2a027	-	-	-																		
C2a - SCI Retrofit	Faucet Aerator, Electric	E21C2a028	-	-	-																		
C2a - SCI Retrofit	Hotel Occupancy Sensor	E21C2a031	-	-	-																		
C2a - SCI Retrofit	Low Pressure Drop Filter	E21C2a032	-	-	-																		
C2a - SCI Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C2a033	-	-	-																		
C2a - SCI Retrofit	Low-Flow Showerhead, Electric	E21C2a034	-	-	-																		
C2a - SCI Retrofit	Motors, Open Drip	E21C2a035	-	-	-																		
C2a - SCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C2a036	-	-	-																		
C2a - SCI Retrofit	Novelty Cooler Shutoff	E21C2a037	-	-	-																		
C2a - SCI Retrofit	Pipe Wrap - Heating, Electric	E21C2a038	-	-	-																		
C2a - SCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C2a039	-	-	-																		
C2a - SCI Retrofit	Pre Rinse Spray Valve, Electric	E21C2a040	-	-	-																		
C2a - SCI Retrofit	Programmable Thermostat, Electric	E21C2a041	-	-	-																		
C2a - SCI Retrofit	Steam Trap, Electric	E21C2a042	-	-	-																		
C2a - SCI Retrofit	Variable Frequency Drive	E21C2a043	1	1	3	32.6	37.0	76.4	489.6	555.3	1,146.6	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Variable Frequency Drive with Motor	E21C2a044	-	-	-																		
C2a - SCI Retrofit	Vending Miser	E21C2a045	-	-	-																		
C2a - SCI Retrofit	Zero Loss Condensate Drain	E21C2a046	-	-	-																		
C2a - SCI Retrofit	Small Retrocommissioning	E21C2a049	-	-	-																		
C2b - SCI New Equipment	Custom Small Compressed Air New	E21C2b001	-	-	-																		
C2b - SCI New Equipment	Custom Small Hot Water New	E21C2b002	-	-	-																		
C2b - SCI New Equipment	Custom Small HVAC New	E21C2b003	31	35	8	100.4	113.9	26.8	1,506.3	1,708.6	401.8	-	6.8	-	-	17.6	-	-	-	-	-	-	-
C2b - SCI New Equipment	Custom Small Lighting New - Interior	E21C2b004	15	17	12	175.7	199.3	136.2	2,636.1	2,990.0	2,043.7	21.4	24.3	16.6	28.1	31.9	21.8	-	-	-	-	-	-
C2b - SCI New Equipment	Custom Small Lighting New - Exterior	E21C2b054	12	14	12	143.1	162.3	136.2	2,146.5	2,434.7	2,043.7	28.6	32.5	27.2	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment	Custom Small Lighting New - Controls	E21C2b055	-	-	-																		
C2b - SCI New Equipment	Custom Small Motors New	E21C2b005	-	-	-																		
C2b - SCI New Equipment	Custom Small Process New	E21C2b006	-	-	-																		
C2b - SCI New Equipment	Custom Small Refrigeration New	E21C2b007	-	-	-																		
C2b - SCI New Equipment	Custom Small Other New	E21C2b008	-	-	-																		
C2b - SCI New Equipment	Custom Small Comprehensive Design	E21C2b056	-	-	-																		
C2b - SCI New Equipment	Daylight Dimming	E21C2b009	-	-	-																		
C2b - SCI New Equipment	Lighting Occupancy Sensors	E21C2b014	-	-	-																		
C2b - SCI New Equipment	Advanced Power Strip	E21C2b015	-	-	-																		
C2b - SCI New Equipment	Air Compressor	E21C2b016	-	-	-																		
C2b - SCI New Equipment	Air Nozzle	E21C2b017	-	-	-																		
C2b - SCI New Equipment	Circulator Pump	E21C2b018	-	-	-																		
C2b - SCI New Equipment	Combination Oven, Electric	E21C2b019	-	-	-																		
C2b - SCI New Equipment	Compressor Storage	E21C2b020	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2b - SCI New Equipment	Convection Oven, Electric	E21C2b021	-	-	-																		
C2b - SCI New Equipment	Dishwasher - High Temp Door Type	E21C2b022	-	-	-																		
C2b - SCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C2b023	-	-	-																		
C2b - SCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C2b024	-	-	-																		
C2b - SCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C2b025	-	-	-																		
C2b - SCI New Equipment	Dishwasher - High Temp Under Counter	E21C2b026	-	-	-																		
C2b - SCI New Equipment	Dishwasher - Low Temp Door Type	E21C2b027	-	-	-																		
C2b - SCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C2b028	-	-	-																		
C2b - SCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C2b029	-	-	-																		
C2b - SCI New Equipment	Dishwasher - Low Temp Under Counter	E21C2b030	-	-	-																		
C2b - SCI New Equipment	Faucet Aerator, Electric	E21C2b031	-	-	-																		
C2b - SCI New Equipment	Fryer Large Vat, Electric	E21C2b032	-	-	-																		
C2b - SCI New Equipment	Fryer Standard Vat, Electric	E21C2b033	-	-	-																		
C2b - SCI New Equipment	Griddle, Electric	E21C2b034	-	-	-																		
C2b - SCI New Equipment	Ground Source Heat Pump	E21C2b035	-	-	-																		
C2b - SCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C2b036	-	-	-																		
C2b - SCI New Equipment	Hot Food Holding Cabinet Full Size	E21C2b037	-	-	-																		
C2b - SCI New Equipment	Hot Food Holding Cabinet Half Size	E21C2b038	-	-	-																		
C2b - SCI New Equipment	Ice Machine - Ice Making Head	E21C2b039	-	-	-																		
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C2b040	-	-	-																		
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Continuous	E21C2b041	-	-	-																		
C2b - SCI New Equipment	Ice Machine - Self Contained	E21C2b042	-	-	-																		
C2b - SCI New Equipment	Low Pressure Drop Filter	E21C2b043	-	-	-																		
C2b - SCI New Equipment	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C2b044	-	-	-																		
C2b - SCI New Equipment	Low-Flow Showerhead, Electric	E21C2b045	-	-	-																		
C2b - SCI New Equipment	Pre Rinse Spray Valve, Electric	E21C2b046	-	-	-																		
C2b - SCI New Equipment	Refrigerated Air Dryer	E21C2b047	-	-	-																		
C2b - SCI New Equipment	Steam Cooker, Electric	E21C2b048	-	-	-																		
C2b - SCI New Equipment	Unitary Air Conditioner	E21C2b049	-	-	-																		
C2b - SCI New Equipment	Water Source Heat Pump	E21C2b050	-	-	-																		
C2b - SCI New Equipment	Zero Loss Condensate Drain	E21C2b051	-	-	-																		
C2b - SCI New Equipment	High Efficiency Chiller - FL	E21C2b052	-	-	-																		
C2b - SCI New Equipment	High Efficiency Chiller - IPLV	E21C2b053	-	-	-																		
C2b - SCI New Equipment	C&I Small New Construction Code Compliance	E21C2b057	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Circulator Pump	E21C2c001	-	-	-																		
C2c - SCI Midstream	Midstream Demand Control Ventilation	E21C2c002	-	-	-																		
C2c - SCI Midstream	Midstream DMSHP Systems	E21C2c003	-	-	-																		
C2c - SCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C2c004	-	-	-																		
C2c - SCI Midstream	Midstream ECM Fan Motors	E21C2c005	-	-	-																		
C2c - SCI Midstream	Midstream Heat Pump Systems	E21C2c006	-	-	-																		
C2c - SCI Midstream	Midstream Unitary Air Conditioners	E21C2c007	-	-	-																		
C2c - SCI Midstream	Midstream VRF	E21C2c008	-	-	-																		
C2c - SCI Midstream	Midstream Water Source Heat Pump Systems	E21C2c009	-	-	-																		
C2c - SCI Midstream	Midstream LED Downlight	E21C2c010	-	-	-																		
C2c - SCI Midstream	Midstream LED Exterior	E21C2c011	-	-	-																		
C2c - SCI Midstream	Midstream LED High Bay/Low Bay	E21C2c012	-	-	-																		
C2c - SCI Midstream	Midstream LED Linear Fixture	E21C2c013	-	-	-																		
C2c - SCI Midstream	Midstream LED Linear Fixture with Controls	E21C2c014	-	-	-																		
C2c - SCI Midstream	Midstream LED Linear Lamp	E21C2c015	-	-	-																		
C2c - SCI Midstream	Midstream LED Screw In	E21C2c016	-	-	-																		
C2c - SCI Midstream	Midstream LED Stairwell Kit	E21C2c017	-	-	-																		
C2c - SCI Midstream	Midstream Combination Oven, Electric	E21C2c018	-	-	-																		
C2c - SCI Midstream	Midstream Convection Oven, Electric	E21C2c019	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C2c020	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - High Temp Multi Tank Conveyor	E21C2c021	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, Utensil	E21C2c022	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - High Temp Single Tank Conveyor	E21C2c023	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - High Temp Under Counter	E21C2c024	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C2c025	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Multi Tank Conveyor	E21C2c026	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Single Tank Conveyor	E21C2c027	-	-	-																		
C2c - SCI Midstream	Midstream Dishwasher - Low Temp Under Counter	E21C2c028	-	-	-																		
C2c - SCI Midstream	Midstream Freezer - Solid Door	E21C2c029	-	-	-																		
C2c - SCI Midstream	Midstream Freezer -Glass Door	E21C2c030	-	-	-																		
C2c - SCI Midstream	Midstream Fryer Large Vat, Electric	E21C2c031	-	-	-																		
C2c - SCI Midstream	Midstream Fryer Standard Vat, Electric	E21C2c032	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2c - SCI Midstream	Midstream Griddle, Electric	E21C2c033	-	-	-																		
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C2c034	-	-	-																		
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C2c035	-	-	-																		
C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C2c036	-	-	-																		
C2c - SCI Midstream	Midstream Ice Machine Ice Making Head	E21C2c037	-	-	-																		
C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Batch	E21C2c038	-	-	-																		
C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit Contin	E21C2c039	-	-	-																		
C2c - SCI Midstream	Midstream Ice Machine Self Contained	E21C2c040	-	-	-																		
C2c - SCI Midstream	Midstream Refrigerator - Glass Door	E21C2c041	-	-	-																		
C2c - SCI Midstream	Midstream Refrigerator - Solid Door	E21C2c042	-	-	-																		
C2c - SCI Midstream	Midstream Steam Cooker, Electric	E21C2c043	-	-	-																		
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 120 gallons	E21C2c044	-	-	-																		
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C2c045	-	-	-																		
C2c - SCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C2c046	-	-	-																		
C2d - SCI Direct Install	Custom Small Compressed Air Direct Install	E21C2d001	-	-	-																		
C2d - SCI Direct Install	Custom Small Hot Water Direct Install	E21C2d002	-	-	-																		
C2d - SCI Direct Install	Custom Small HVAC Direct Install	E21C2d003	-	-	-																		
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Interior	E21C2d004	-	-	-																		
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Exterior	E21C2d005	-	-	-																		
C2d - SCI Direct Install	Custom Small Lighting Direct Install - Controls	E21C2d006	-	-	-																		
C2d - SCI Direct Install	Custom Small Motors Direct Install	E21C2d007	-	-	-																		
C2d - SCI Direct Install	Custom Small Process Direct Install	E21C2d008	-	-	-																		
C2d - SCI Direct Install	Custom Small Refrigeration Direct Install	E21C2d009	-	-	-																		
C2d - SCI Direct Install	Custom Small Other Direct Install	E21C2d010	-	-	-																		
C2d - SCI Direct Install	Daylight Dimming	E21C2d011	-	-	-																		
C2d - SCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C2d012	-	-	-																		
C2d - SCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C2d013	-	-	-																		
C2d - SCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C2d014	-	-	-																		
C2d - SCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C2d015	-	-	-																		
C2d - SCI Direct Install	Lighting Occupancy Sensors	E21C2d016	-	-	-																		
C2d - SCI Direct Install	Boiler Reset Controls, Electric	E21C2d017	-	-	-																		
C2d - SCI Direct Install	Case Motor Replacement	E21C2d018	-	-	-																		
C2d - SCI Direct Install	Cooler Night Cover	E21C2d019	-	-	-																		
C2d - SCI Direct Install	Demand Control Ventilation	E21C2d020	-	-	-																		
C2d - SCI Direct Install	Door Heater Controls	E21C2d021	-	-	-																		
C2d - SCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C2d022	-	-	-																		
C2d - SCI Direct Install	Duct Sealing, Electric	E21C2d023	-	-	-																		
C2d - SCI Direct Install	Ductless Mini Split Heat Pump	E21C2d024	-	-	-																		
C2d - SCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C2d025	-	-	-																		
C2d - SCI Direct Install	Electronic Defrost Control	E21C2d026	-	-	-																		
C2d - SCI Direct Install	Energy Management System, Electric	E21C2d027	-	-	-																		
C2d - SCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C2d028	-	-	-																		
C2d - SCI Direct Install	Evaporator Fan Control	E21C2d029	-	-	-																		
C2d - SCI Direct Install	Faucet Aerator, Electric	E21C2d030	-	-	-																		
C2d - SCI Direct Install	Hotel Occupancy Sensor	E21C2d031	-	-	-																		
C2d - SCI Direct Install	Low Pressure Drop Filter	E21C2d032	-	-	-																		
C2d - SCI Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C2d033	-	-	-																		
C2d - SCI Direct Install	Low-Flow Showerhead, Electric	E21C2d034	-	-	-																		
C2d - SCI Direct Install	Motors, Open Drip	E21C2d035	-	-	-																		
C2d - SCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C2d036	-	-	-																		
C2d - SCI Direct Install	Novelty Cooler Shutoff	E21C2d037	-	-	-																		
C2d - SCI Direct Install	Pipe Wrap - Heating, Electric	E21C2d038	-	-	-																		
C2d - SCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C2d039	-	-	-																		
C2d - SCI Direct Install	Pre Rinse Spray Valve, Electric	E21C2d040	-	-	-																		
C2d - SCI Direct Install	Programmable Thermostat, Electric	E21C2d041	-	-	-																		
C2d - SCI Direct Install	Steam Trap, Electric	E21C2d042	-	-	-																		
C2d - SCI Direct Install	Variable Frequency Drive	E21C2d043	-	-	-																		
C2d - SCI Direct Install	Variable Frequency Drive with Motor	E21C2d044	-	-	-																		
C2d - SCI Direct Install	Vending Miser	E21C2d045	-	-	-																		
C2d - SCI Direct Install	Zero Loss Condensate Drain	E21C2d046	-	-	-																		
Small Business Energy Solutions Subtotal						2,588.8	2,970.9	2,817.4	34,557.9	39,647.1	37,377.8	326.6	392.5	356.9	252.5	319.5	274.8	-	-	-	-	-	-

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3a - Muni Retrofit	Custom Muni Compressed Air Retro	E21C3a001	-	-	-																		
C3a - Muni Retrofit	Custom Muni Hot Water Retro	E21C3a002	-	-	-																		
C3a - Muni Retrofit	Custom Muni HVAC Retro	E21C3a003	-	-	-																		
C3a - Muni Retrofit	Custom Muni Lighting Retro - Interior	E21C3a004	8	8	8	114.4	99.7	86.7	1,486.6	1,295.9	1,127.5	14.0	12.2	10.6	18.3	15.9	13.9	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Lighting Retro - Exterior	E21C3a009	2	2	1	8.4	7.7	6.9	109.5	99.7	90.1	1.7	1.5	1.4	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Lighting Retro - Controls	E21C3a092	1	1	1	2.9	2.5	2.2	26.2	22.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Motors Retro	E21C3a005	-	-	-																		
C3a - Muni Retrofit	Custom Muni Process Retro	E21C3a006	-	-	-																		
C3a - Muni Retrofit	Custom Muni Refrigeration Retro	E21C3a007	-	-	-																		
C3a - Muni Retrofit	Custom Muni Other Retro	E21C3a008	-	-	-																		
C3a - Muni Retrofit	Daylight Dimming	E21C3a009	-	-	-																		
C3a - Muni Retrofit	Lighting Fixture - Exterior w/ Controls	E21C3a010	-	-	-																		
C3a - Muni Retrofit	Lighting Fixture - Exterior w/o Controls	E21C3a011	-	-	-																		
C3a - Muni Retrofit	Lighting Fixture - Interior w/ Controls	E21C3a012	-	-	-																		
C3a - Muni Retrofit	Lighting Fixture - Interior w/o Controls	E21C3a013	-	-	-																		
C3a - Muni Retrofit	Lighting Occupancy Sensors	E21C3a014	-	-	-																		
C3a - Muni Retrofit	Air Sealing, Electric	E21C3a015	-	-	-																		
C3a - Muni Retrofit	Air Sealing, Gas	E21C3a016	-	-	-																		
C3a - Muni Retrofit	Air Sealing, Oil	E21C3a017	-	-	-																		
C3a - Muni Retrofit	Air Sealing, Propane	E21C3a018	-	-	-																		
C3a - Muni Retrofit	Boiler Reset Controls, Gas	E21C3a019	-	-	-																		
C3a - Muni Retrofit	Boiler Reset Controls, Oil	E21C3a020	-	-	-																		
C3a - Muni Retrofit	Boiler Reset Controls, Propane	E21C3a021	-	-	-																		
C3a - Muni Retrofit	Case Motor Replacement	E21C3a022	-	-	-																		
C3a - Muni Retrofit	Cooler Night Cover	E21C3a023	-	-	-																		
C3a - Muni Retrofit	Demand Control Ventilation	E21C3a024	-	-	-																		
C3a - Muni Retrofit	Door Heater Controls	E21C3a025	-	-	-																		
C3a - Muni Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C3a026	-	-	-																		
C3a - Muni Retrofit	Duct Insulation, Electric	E21C3a027	-	-	-																		
C3a - Muni Retrofit	Duct Insulation, Gas	E21C3a028	-	-	-																		
C3a - Muni Retrofit	Duct Insulation, Oil	E21C3a029	-	-	-																		
C3a - Muni Retrofit	Duct Insulation, Propane	E21C3a030	-	-	-																		
C3a - Muni Retrofit	Duct Sealing, Electric	E21C3a031	-	-	-																		
C3a - Muni Retrofit	Duct Sealing, Gas	E21C3a032	-	-	-																		
C3a - Muni Retrofit	Duct Sealing, Oil	E21C3a033	-	-	-																		
C3a - Muni Retrofit	Duct Sealing, Propane	E21C3a034	-	-	-																		
C3a - Muni Retrofit	Ductless Mini Split Heat Pump	E21C3a035	-	-	-																		
C3a - Muni Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler/Freeze	E21C3a036	-	-	-																		
C3a - Muni Retrofit	Electronic Defrost Control	E21C3a037	-	-	-																		
C3a - Muni Retrofit	Energy Management System, Electric	E21C3a038	-	-	-																		
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Electric	E21C3a039	-	-	-																		
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Gas	E21C3a040	-	-	-																		
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Oil	E21C3a041	-	-	-																		
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Propane	E21C3a042	-	-	-																		
C3a - Muni Retrofit	Evaporator Fan Control	E21C3a043	-	-	-																		
C3a - Muni Retrofit	Faucet Aerator, Electric	E21C3a044	-	-	-																		
C3a - Muni Retrofit	Faucet Aerator, Gas	E21C3a045	-	-	-																		
C3a - Muni Retrofit	Faucet Aerator, Oil	E21C3a046	-	-	-																		
C3a - Muni Retrofit	Faucet Aerator, Propane	E21C3a047	-	-	-																		
C3a - Muni Retrofit	Hotel Occupancy Sensor	E21C3a050	-	-	-																		
C3a - Muni Retrofit	Insulation, Electric	E21C3a051	-	-	-																		
C3a - Muni Retrofit	Insulation, Gas	E21C3a052	-	-	-																		
C3a - Muni Retrofit	Insulation, Oil	E21C3a053	-	-	-																		
C3a - Muni Retrofit	Insulation, Propane	E21C3a054	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	126.8	126.8	126.8	3,170.4	3,170.4	3,170.4
C3a - Muni Retrofit	Low Pressure Drop Filter	E21C3a055	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C3a056	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3a057	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3a058	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve, Propa	E21C3a059	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead, Electric	E21C3a060	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead, Gas	E21C3a061	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead, Oil	E21C3a062	-	-	-																		
C3a - Muni Retrofit	Low-Flow Showerhead, Propane	E21C3a063	-	-	-																		
C3a - Muni Retrofit	Motors, Open Drip	E21C3a064	-	-	-																		
C3a - Muni Retrofit	Motors, Totally Enclosed Fan Cooled	E21C3a065	-	-	-																		
C3a - Muni Retrofit	Novelty Cooler Shutoff	E21C3a066	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3a - Muni Retrofit	Pipe Wrap - Heating, Electric	E21C3a067	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Gas	E21C3a068	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Oil	E21C3a069	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Heating, Propane	E21C3a070	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Electric	E21C3a071	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Gas	E21C3a072	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Oil	E21C3a073	-	-	-																		
C3a - Muni Retrofit	Pipe Wrap - Hot Water, Propane	E21C3a074	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Electric	E21C3a075	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Gas	E21C3a076	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Oil	E21C3a077	-	-	-																		
C3a - Muni Retrofit	Pre Rinse Spray Valve, Propane	E21C3a078	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Electric	E21C3a079	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Gas	E21C3a080	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Oil	E21C3a081	-	-	-																		
C3a - Muni Retrofit	Programmable Thermostat, Propane	E21C3a082	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Electric	E21C3a083	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Gas	E21C3a084	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Oil	E21C3a085	-	-	-																		
C3a - Muni Retrofit	Steam Trap, Propane	E21C3a086	-	-	-																		
C3a - Muni Retrofit	Variable Frequency Drive	E21C3a087	1	1	1	17.2	16.5	15.8	224.2	214.8	204.9	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Variable Frequency Drive with Motor	E21C3a088	-	-	-																		
C3a - Muni Retrofit	Vending Miser	E21C3a089	-	-	-																		
C3a - Muni Retrofit	Zero Loss Condensate Drain	E21C3a090	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Compressed Air New	E21C3b001	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Hot Water New	E21C3b002	-	-	-																		
C3b - Muni New Equipmen	Custom Muni HVAC New	E21C3b003	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Lighting New - Interior	E21C3b004	1	1	1	12.9	11.3	9.8	194.1	169.2	147.2	-	-	-	-	-	-	-	-	-	-	-	-
C3b - Muni New Equipmen	Custom Muni Lighting New - Exterior	E21C3b005	1	1	1	5.9	5.4	4.9	88.5	80.5	72.8	-	-	-	-	-	-	-	-	-	-	-	-
C3b - Muni New Equipmen	Custom Muni Lighting New - Controls	E21C3b006	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Motors New	E21C3b007	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Process New	E21C3b008	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Refrigeration New	E21C3b009	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Other New	E21C3b010	-	-	-																		
C3b - Muni New Equipmen	Custom Muni Comprehensive Design	E21C3b011	-	-	-																		
C3b - Muni New Equipmen	Daylight Dimming	E21C3b012	-	-	-																		
C3b - Muni New Equipmen	Lighting Occupancy Sensors	E21C3b013	-	-	-																		
C3b - Muni New Equipmen	Advanced Power Strip	E21C3b014	-	-	-																		
C3b - Muni New Equipmen	Air Compressor	E21C3b015	-	-	-																		
C3b - Muni New Equipmen	Air Nozzle	E21C3b016	-	-	-																		
C3b - Muni New Equipmen	Boiler 1000 to 1700 MBH 90 AFUE, Oil	E21C3b017	-	-	-																		
C3b - Muni New Equipmen	Boiler 1000 to 1700 MBH 90 AFUE, Propane	E21C3b018	-	-	-																		
C3b - Muni New Equipmen	Boiler 1701 to 2000 MBH 85 AFUE, Oil	E21C3b019	-	-	-																		
C3b - Muni New Equipmen	Boiler 1701 to 2000 MBH 90 AFUE, Propane	E21C3b020	-	-	-																		
C3b - Muni New Equipmen	Boiler 301 to 499 MBH 85 AFUE, Oil	E21C3b021	-	-	-																		
C3b - Muni New Equipmen	Boiler 301 to 499 MBH 90 AFUE, Propane	E21C3b022	-	-	-																		
C3b - Muni New Equipmen	Boiler 301 to 499 MBH 85 AFUE, Oil	E21C3b023	-	-	-																		
C3b - Muni New Equipmen	Boiler 301 to 499 MBH 90 AFUE, Propane	E21C3b024	-	-	-																		
C3b - Muni New Equipmen	Boiler 500 to 999 MBH 85 AFUE, Oil	E21C3b025	-	-	-																		
C3b - Muni New Equipmen	Boiler 500 to 999 MBH 90 AFUE, Propane	E21C3b026	-	-	-																		
C3b - Muni New Equipmen	Boiler to 300 MBH 85 AFUE, Oil	E21C3b027	-	-	-																		
C3b - Muni New Equipmen	Boiler to 300 MBH 87 AFUE, Oil	E21C3b028	-	-	-																		
C3b - Muni New Equipmen	Boiler to 300 MBH 90 AFUE, Propane	E21C3b029	-	-	-																		
C3b - Muni New Equipmen	Boiler to 300 MBH 95 AFUE, Propane	E21C3b030	-	-	-																		
C3b - Muni New Equipmen	Circulator Pump	E21C3b031	-	-	-																		
C3b - Muni New Equipmen	Combination Oven, Electric	E21C3b032	-	-	-																		
C3b - Muni New Equipmen	Compressor Storage	E21C3b033	-	-	-																		
C3b - Muni New Equipmen	Condensing Unit Heater up to 300 MBH, Oil	E21C3b034	-	-	-																		
C3b - Muni New Equipmen	Condensing Unit Heater up to 300 MBH, Propane	E21C3b035	-	-	-																		
C3b - Muni New Equipmen	Convection Oven, Electric	E21C3b036	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - High Temp Door Type	E21C3b037	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - High Temp Multi Tank Conveyor	E21C3b038	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - High Temp Pot, Pan, Utensil	E21C3b039	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - High Temp Single Tank Conveyor	E21C3b040	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - High Temp Under Counter	E21C3b041	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - Low Temp Door Type	E21C3b042	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - Low Temp Multi Tank Conveyor	E21C3b043	-	-	-																		
C3b - Muni New Equipmen	Dishwasher - Low Temp Single Tank Conveyor	E21C3b044	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3b - Muni New Equipmen	Dishwasher - Low Temp Under Counter	E21C3b044	-	-	-																		
C3b - Muni New Equipmen	Faucet Aerator, Electric	E21C3b045	-	-	-																		
C3b - Muni New Equipmen	Faucet Aerator, Gas	E21C3b046	-	-	-																		
C3b - Muni New Equipmen	Faucet Aerator, Oil	E21C3b047	-	-	-																		
C3b - Muni New Equipmen	Faucet Aerator, Propane	E21C3b048	-	-	-																		
C3b - Muni New Equipmen	Fryer Large Vat, Electric	E21C3b049	-	-	-																		
C3b - Muni New Equipmen	Fryer Standard Vat, Electric	E21C3b050	-	-	-																		
C3b - Muni New Equipmen	Furnace w/ ECM 85 AFUE up to 150 MBH, Oil	E21C3b051	-	-	-																		
C3b - Muni New Equipmen	Furnace w/ ECM 87 AFUE up to 150 MBH, Oil	E21C3b052	-	-	-																		
C3b - Muni New Equipmen	Furnace w/ ECM 95 AFUE up to 150 MBH, Propane	E21C3b053	-	-	-																		
C3b - Muni New Equipmen	Furnace w/ ECM 97 AFUE up to 150 MBH, Propane	E21C3b054	-	-	-																		
C3b - Muni New Equipmen	Griddle, Electric	E21C3b055	-	-	-																		
C3b - Muni New Equipmen	Ground Source Heat Pump	E21C3b056	-	-	-																		
C3b - Muni New Equipmen	Hot Food Holding Cabinet 3/4 Size	E21C3b057	-	-	-																		
C3b - Muni New Equipmen	Hot Food Holding Cabinet Full Size	E21C3b058	-	-	-																		
C3b - Muni New Equipmen	Hot Food Holding Cabinet Half Size	E21C3b059	-	-	-																		
C3b - Muni New Equipmen	Ice Machine - Ice Making Head	E21C3b060	-	-	-																		
C3b - Muni New Equipmen	Ice Machine - Remote Cond./Split Unit - Batch	E21C3b061	-	-	-																		
C3b - Muni New Equipmen	Ice Machine - Remote Cond./Split Unit - Continuous	E21C3b062	-	-	-																		
C3b - Muni New Equipmen	Ice Machine - Self Contained	E21C3b063	-	-	-																		
C3b - Muni New Equipmen	Infrared Heater	E21C3b064	-	-	-																		
C3b - Muni New Equipmen	Low Pressure Drop Filter	E21C3b065	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve, Electr	E21C3b066	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3b067	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3b068	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve, Propa	E21C3b069	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead, Electric	E21C3b070	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead, Gas	E21C3b071	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead, Oil	E21C3b072	-	-	-																		
C3b - Muni New Equipmen	Low-Flow Showerhead, Propane	E21C3b073	-	-	-																		
C3b - Muni New Equipmen	Pre Rinse Spray Valve, Electric	E21C3b074	-	-	-																		
C3b - Muni New Equipmen	Pre Rinse Spray Valve, Gas	E21C3b075	-	-	-																		
C3b - Muni New Equipmen	Pre Rinse Spray Valve, Oil	E21C3b076	-	-	-																		
C3b - Muni New Equipmen	Pre Rinse Spray Valve, Propane	E21C3b077	-	-	-																		
C3b - Muni New Equipmen	Refrigerated Air Dryer	E21C3b078	-	-	-																		
C3b - Muni New Equipmen	Steam Cooker, Electric	E21C3b079	-	-	-																		
C3b - Muni New Equipmen	Unitary Air Conditioner	E21C3b080	-	-	-																		
C3b - Muni New Equipmen	Water Source Heat Pump	E21C3b081	-	-	-																		
C3b - Muni New Equipmen	Zero Loss Condensate Drain	E21C3b082	-	-	-																		
C3b - Muni New Equipmen	High Efficiency Chiller - FL	E21C3b083	-	-	-																		
C3b - Muni New Equipmen	High Efficiency Chiller - IPLV	E21C3b084	-	-	-																		
C3d - Muni Direct Install	Custom Muni Compressed Air Direct Install	E21C3d001	-	-	-																		
C3d - Muni Direct Install	Custom Muni Hot Water Direct Install	E21C3d002	-	-	-																		
C3d - Muni Direct Install	Custom Muni HVAC Direct Install	E21C3d003	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Interior	E21C3d004	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Exterior	E21C3d005	-	-	-																		
C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Controls	E21C3d006	-	-	-																		
C3d - Muni Direct Install	Custom Muni Motors Direct Install	E21C3d007	-	-	-																		
C3d - Muni Direct Install	Custom Muni Process Direct Install	E21C3d008	-	-	-																		
C3d - Muni Direct Install	Custom Muni Refrigeration Direct Install	E21C3d009	-	-	-																		
C3d - Muni Direct Install	Custom Muni Other Direct Install	E21C3d010	-	-	-																		
C3d - Muni Direct Install	Daylight Dimming	E21C3d011	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Exterior w/ Controls	E21C3d012	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Exterior w/o Controls	E21C3d013	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Interior w/ Controls	E21C3d014	-	-	-																		
C3d - Muni Direct Install	Lighting Fixture - Interior w/o Controls	E21C3d015	-	-	-																		
C3d - Muni Direct Install	Lighting Occupancy Sensors	E21C3d016	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Electric	E21C3d017	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Gas	E21C3d018	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Oil	E21C3d019	-	-	-																		
C3d - Muni Direct Install	Air Sealing, Propane	E21C3d020	-	-	-																		
C3d - Muni Direct Install	Boiler Reset Controls, Gas	E21C3d021	-	-	-																		
C3d - Muni Direct Install	Boiler Reset Controls, Oil	E21C3d022	-	-	-																		
C3d - Muni Direct Install	Boiler Reset Controls, Propane	E21C3d023	-	-	-																		
C3d - Muni Direct Install	Case Motor Replacement	E21C3d024	-	-	-																		
C3d - Muni Direct Install	Cooler Night Cover	E21C3d025	-	-	-																		

Subprogram	Measure	Measure ID	Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3d - Muni Direct Install	Demand Control Ventilation	E21C3d026	-	-	-																		
C3d - Muni Direct Install	Door Heater Controls	E21C3d027	-	-	-																		
C3d - Muni Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C3d028	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Electric	E21C3d029	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Gas	E21C3d030	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Oil	E21C3d031	-	-	-																		
C3d - Muni Direct Install	Duct Insulation, Propane	E21C3d032	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Electric	E21C3d033	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Gas	E21C3d034	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Oil	E21C3d035	-	-	-																		
C3d - Muni Direct Install	Duct Sealing, Propane	E21C3d036	-	-	-																		
C3d - Muni Direct Install	Ductless Mini Split Heat Pump	E21C3d037	-	-	-																		
C3d - Muni Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler/Freezer	E21C3d038	-	-	-																		
C3d - Muni Direct Install	Electronic Defrost Control	E21C3d039	-	-	-																		
C3d - Muni Direct Install	Energy Management System, Electric	E21C3d040	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Electric	E21C3d041	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Gas	E21C3d042	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Oil	E21C3d043	-	-	-																		
C3d - Muni Direct Install	Energy Star Wifi Thermostat, Propane	E21C3d044	-	-	-																		
C3d - Muni Direct Install	Evaporator Fan Control	E21C3d045	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Electric	E21C3d046	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Gas	E21C3d047	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Oil	E21C3d048	-	-	-																		
C3d - Muni Direct Install	Faucet Aerator, Propane	E21C3d049	-	-	-																		
C3d - Muni Direct Install	Hotel Occupancy Sensor	E21C3d050	-	-	-																		
C3d - Muni Direct Install	Insulation, Electric	E21C3d051	-	-	-																		
C3d - Muni Direct Install	Insulation, Gas	E21C3d052	-	-	-																		
C3d - Muni Direct Install	Insulation, Oil	E21C3d053	-	-	-																		
C3d - Muni Direct Install	Insulation, Propane	E21C3d054	-	-	-																		
C3d - Muni Direct Install	Low Pressure Drop Filter	E21C3d055	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Electric	E21C3d056	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Gas	E21C3d057	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Oil	E21C3d058	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve, Propane	E21C3d059	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Electric	E21C3d060	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Gas	E21C3d061	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Oil	E21C3d062	-	-	-																		
C3d - Muni Direct Install	Low-Flow Showerhead, Propane	E21C3d063	-	-	-																		
C3d - Muni Direct Install	Motors, Open Drip	E21C3d064	-	-	-																		
C3d - Muni Direct Install	Motors, Totally Enclosed Fan Cooled	E21C3d065	-	-	-																		
C3d - Muni Direct Install	Novelty Cooler Shutoff	E21C3d066	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Electric	E21C3d067	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Gas	E21C3d068	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Oil	E21C3d069	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Heating, Propane	E21C3d070	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Electric	E21C3d071	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Gas	E21C3d072	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Oil	E21C3d073	-	-	-																		
C3d - Muni Direct Install	Pipe Wrap - Hot Water, Propane	E21C3d074	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Electric	E21C3d075	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Gas	E21C3d076	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Oil	E21C3d077	-	-	-																		
C3d - Muni Direct Install	Pre Rinse Spray Valve, Propane	E21C3d078	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Electric	E21C3d079	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Gas	E21C3d080	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Oil	E21C3d081	-	-	-																		
C3d - Muni Direct Install	Programmable Thermostat, Propane	E21C3d082	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Electric	E21C3d083	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Gas	E21C3d084	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Oil	E21C3d085	-	-	-																		
C3d - Muni Direct Install	Steam Trap, Propane	E21C3d086	-	-	-																		
C3d - Muni Direct Install	Variable Frequency Drive	E21C3d087	-	-	-																		
C3d - Muni Direct Install	Variable Frequency Drive with Motor	E21C3d088	-	-	-																		
C3d - Muni Direct Install	Vending Miser	E21C3d089	-	-	-																		
C3d - Muni Direct Install	Zero Loss Condensate Drain	E21C3d090	-	-	-																		
Municipal Energy Solutions Subtotal						161.8	143.1	126.3	2,129.1	1,882.9	1,662.3	15.7	13.7	12.0	18.3	16.0	13.9	126.8	126.8	126.8	3,170.4	3,170.4	3,170.4

2021-2023 System Benefits Charge ("SBC") Calculation
 (\$ in 000's)

Year	Member Sector	EE Total Budget	RGGI Revenues	FCM Revenues	Carryforward with Interest	SBC Requirement	Forecasted Distribution (MWH)	SBC Rate EE Portion (cents/kWh)	SBC Rate EAP Portion (cents/kWh)	Total SBC Rate (cents/kWh)
Col. A	Col. B	Col. C	Col. D	Col. E	Col. G	Col. I	Col. J	Col. K	Col. L	Col. N
2021	Residential	\$ 4,407	\$ 34.61	\$ 30.00	\$ 407.83	\$ 3,935	469,460	0.838	0.150	0.988
2021	C&I	\$ 2,982	\$ 172.87	\$ 70.00	\$ 28.16	\$ 2,711	299,137	0.906	0.150	1.056
2021	Total	\$ 7,389	\$ 207.49	\$ 100.00	\$ 435.98	\$ 6,646	768,597	0.865	0.150	1.015
2022	Residential	\$ 4,165	\$ 34.61	\$ 30.00	\$ -	\$ 4,100	469,460	0.873	0.150	1.023
2022	C&I	\$ 3,343	\$ 172.87	\$ 70.00	\$ -	\$ 3,100	299,137	1.036	0.150	1.186
2022	Total	\$ 7,508	\$ 207.49	\$ 100.00	\$ -	\$ 7,201	768,597	0.937	0.150	1.087
2023	Residential	\$ 4,071	\$ 34.61	\$ 30.00	\$ -	\$ 4,006	469,460	0.853	0.150	1.003
2023	C&I	\$ 3,248	\$ 172.87	\$ 70.00	\$ -	\$ 3,005	299,137	1.005	0.150	1.155
2023	Total	\$ 7,319	\$ 207.49	\$ 100.00	\$ -	\$ 7,012	768,597	0.912	0.150	1.062

- Col. A: Effective year (January 1 - December 31)
- Col. B: Member Sector
- Col. C: Company Forecast
- Col. D: Company Forecast
- Col. E: Company Forecast
- Col. F: Company Forecast
- Col. G: Page 2, Line 9 Col. N + Line 11 Col. O
- Col. H: Page 2, Line 13, Col. O
- Col. I: Col. C - Col. D - Col. E - Col. F + Col. G - Col. H
- Col. J: Company Forecast
- Col. K: (Col. I / Col. J) x 100
- Col. L: EAP Portion of SBC Rate
- Col. M: Page 3, Col. G
- Col. N: Col. J + Col. K

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation (Residential)
January 1, 2021 to December 31, 2021

		(\$ in 000's)													
Line	Description	Carrover 12/31/2020	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021	2021 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	SBC Revenues		408	428	361	315	275	271	298	376	316	244	283	360	3,935
2	RGGI Revenues		-	-	9	-	-	9	-	-	9	-	-	9	35
3	FCM Revenues		3	3	3	3	3	3	3	3	3	3	3	3	30
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues		411	430	372	317	278	282	301	378	327	247	285	371	3,999
6	Program Expenses		367	367	367	367	367	367	367	367	367	367	367	367	4,407
7	Total Program Expenses		367	367	367	367	367	367	367	367	367	367	367	367	4,407
8	Current Month (Over)/Under Recovery		(43)	(63)	(5)	50	89	85	67	(11)	40	120	82	(4)	
9	Cumulative (Over)/Under Recovery	(408)	(451)	(514)	(519)	(469)	(379)	(294)	(228)	(239)	(199)	(78)	4	(0)	
10	Interest @ Prime Rate	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(0)	(0)	0	(10)
12	Monthly Sales (MWh)		48,689	51,055	43,056	37,537	32,849	32,312	35,586	44,817	37,720	29,172	33,712	42,955	469,460
13	EE SBC Rate		0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	

Line 1: (Line 12 X Line 13)/100

Line 2: Page 1, Col. C

Line 3: Page 1, Col. D

Line 4: Page 1, Col. E

Line 5: Sum of Lines 1 through Lines 4

Line 6: Page 1, Col. B

Line 7: Sum of Line 6

Line 8: Line 7 - Line 5

Line 9: Prior month Line 9 + Current month Line 8

Line 10: Prime Rate/12

Line 11: (Prior Month Line 9 + Current Month Line 9)/2 x Line 10

Line 12: Company Forecast

Line 13: SBC Rate

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation (Commercial)
January 1, 2021 to December 31, 2021

Line	Description	(\$ in 000's)														
		Carrover 12/31/20	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021	2021 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	SBC Revenues		301	267	217	202	185	203	221	252	232	180	187	263	2,711	
2	RGGI Revenues		-	-	43	-	-	43	-	-	43	-	-	43	173	
3	FCM Revenues		6	6	6	6	6	6	6	6	6	6	6	6	70	
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Total Revenues		307	273	266	208	190	252	227	257	281	186	193	312	2,954	
6	Program Expenses		249	249	249	249	249	249	249	249	249	249	249	249	2,734	
7	Total Program Expenses		249	249	249	249	249	249	249	249	249	249	249	249	2,734	
8	Current Month (Over)/Under Recovery		(59)	(25)	(18)	40	58	(3)	21	(9)	(33)	62	56	(64)		
9	Cumulative (Over)/Under Recovery	(28)	(87)	(111)	(129)	(89)	(31)	(34)	(13)	(22)	(54)	8	64	(0)		
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		
11	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0		
12	Monthly Sales (MWh)		33,245	29,485	23,981	22,337	20,367	22,351	24,439	27,757	25,605	19,902	20,641	29,026	299,137	
13	EE SBC Rate		0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906		

Line 1: (Line 12 X Line 13)/100
 Line 2: Page 1, Col. C
 Line 3: Page 1, Col. D
 Line 4: Page 1, Col. E
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Page 1, Col. B
 Line 7: Sum of Line 6
 Line 8: Line 7 - Line 5
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate/12
 Line 11: (Prior Month Line 9 + Current Month Line 9)/2 x Line 10
 Line 12: Company Forecast
 Line 13: SBC Rate

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation
January 1, 2022 to December 31, 2022 (Residential)

Line	Description	(\$ in 000's)														2021 Total
		Carrover 12/31/20	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021		
	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	SBC Revenues		425	446	376	328	287	282	311	391	329	255	294	375	4,100	
2	RGGI Revenues		-	-	9	-	-	9	-	-	9	-	-	9	35	
3	FCM Revenues		3	3	3	3	3	3	3	3	3	3	3	3	30	
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Total Revenues		428	448	387	330	289	293	313	394	341	257	297	386	4,165	
6	Program Expenses		347	347	347	347	347	347	347	347	347	347	347	347	4,165	
7	Total Program Expenses		347	347	347	347	347	347	347	347	347	347	347	347	4,165	
8	Current Month (Over)/Under Recovery		(81)	(101)	(40)	17	58	54	34	(47)	6	90	50	(39)		
9	Cumulative (Over)/Under Recovery		(81)	(182)	(222)	(205)	(148)	(94)	(60)	(107)	(101)	(11)	39	(0)		
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		
11	Interest on Deferral Balance		(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	0	0		
12	Monthly Sales (MWh)		48,689	51,055	43,056	37,537	32,849	32,312	35,586	44,817	37,720	29,172	33,712	42,955	469,460	
13	EE SBC Rate		0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873		

Line 1: (Line 12 X Line 13)/100
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 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate/12
 Line 11: (Prior Month Line 9 + Current Month Line 9)/2 x Line 10
 Line 12: Company Forecast
 Line 13: SBC Rate

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation (Commercial)
January 1, 2022 to December 31, 2022

Line	Description	(\$ in 000's)														
		Carrover 12/31/20	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021	2021 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	SBC Revenues		345	306	249	231	211	232	253	288	265	206	214	301	3100	
2	RGGI Revenues		0	0	43	0	0	43	0	43	0	0	0	43	173	
3	FCM Revenues		6	6	6	6	6	6	6	6	6	6	6	6	70	
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Total Revenues		350	311	298	237	217	281	259	293	314	212	220	350	3343	
6	Program Expenses		279	279	279	279	279	279	279	279	279	279	279	279	3,343	
7	Total Program Expenses		279	279	279	279	279	279	279	279	279	279	279	279	3,343	
8	Current Month (Over)/Under Recovery		(72)	(33)	(19)	41	62	(2)	19	(15)	(36)	66	59	(71)		
9	Cumulative (Over)/Under Recovery		(72)	(105)	(124)	(82)	(21)	(23)	(3)	(18)	(54)	12	71	(0)		
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		
11	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0		
12	Monthly Sales (MWh)		33,245	29,485	23,981	22,337	20,367	22,351	24,439	27,757	25,605	19,902	20,641	29,026	299,137	
13	EE SBC Rate		1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036		

Line 1: (Line 12 X Line 13)/100
 Line 2: Page 1, Col. C
 Line 3: Page 1, Col. D
 Line 4: Page 1, Col. E
 Line 5: Sum of Lines 1 through Lines 4
 Line 6: Page 1, Col. B
 Line 7: Sum of Line 6
 Line 8: Line 7 - Line 5
 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate/12
 Line 11: (Prior Month Line 9 + Current Month Line 9)/2 x Line 10
 Line 12: Company Forecast
 Line 13: SBC Rate

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation (Residential)
 January 1, 2023 to December 31, 2023

Line	Description	(\$ in 000's)														
		Carrover 12/31/20	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021	2021 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	SBC Revenues			416	436	367	320	280	276	304	382	322	249	288	367	4006
2	RGGI Revenues			-	-	9	-	-	9	-	-	9	-	-	9	35
3	FCM Revenues			3	3	3	3	3	3	3	3	3	3	3	3	30
4	Other Revenues			-	-	-	-	-	-	-	-	-	-	-	-	-
5	Total Revenues			418	438	379	323	283	287	306	385	333	251	290	378	4071
6	Program Expenses			339	339	339	339	339	339	339	339	339	339	339	339	4,071
7	Total Program Expenses			339	339	339	339	339	339	339	339	339	339	339	339	4,071
8	Current Month (Over)/Under Recovery			(79)	(99)	(39)	16	56	52	33	(46)	6	88	49	(38)	
9	Cumulative (Over)/Under Recovery			(79)	(178)	(217)	(201)	(144)	(92)	(59)	(105)	(98)	(11)	38	0	
10	Interest @ Prime Rate			0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	
11	Interest on Deferral Balance			(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	
12	Monthly Sales (MWh)			48,689	51,055	43,056	37,537	32,849	32,312	35,586	44,817	37,720	29,172	33,712	42,955	
13	EE SBC Rate			0.853	0.853	0.853	0.853	0.853	0.853	0.853	0.853	0.853	0.853	0.853	0.853	

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 Line 9: Prior month Line 9 + Current month Line 8
 Line 10: Prime Rate/12
 Line 11: (Prior Month Line 9 + Current Month Line 9)/2 x Line 10
 Line 12: Company Forecast
 Line 13: SBC Rate

New Hampshire Electric Cooperative, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation (Commercial)
 January 1, 2023 to December 31, 2023

Line	Description	(\$ in 000's)														2021 Total
		Carrover 12/31/20	Actual Jan 2021	Actual Feb 2021	Actual Mar 2021	Actual Apr 2021	Actual May 2021	Actual Jun 2021	Actual Jul 2021	Actual Aug 2021	Actual Sep 2021	Actual Oct 2021	Actual Nov 2021	Actual Dec 2021		
	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	SBC Revenues		334	296	241	224	205	225	246	279	257	200	207	292	3005	
2	RGGI Revenues		0	0	43	0	0	43	0	43	0	43	0	43	173	
3	FCM Revenues		6	6	6	6	6	6	6	6	6	6	6	6	70	
4	Other Revenues		-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Total Revenues		340	302	290	230	210	274	251	285	306	206	213	341	3248	
6	Program Expenses		271	271	271	271	271	271	271	271	271	271	271	271	3,248	
7	Total Program Expenses		271	271	271	271	271	271	271	271	271	271	271	271	3,248	
8	Current Month (Over)/Under Recovery		(69)	(31)	(19)	40	60	(3)	19	(14)	(36)	65	57	(70)		
9	Cumulative (Over)/Under Recovery		(69)	(101)	(120)	(79)	(19)	(22)	(3)	(17)	(52)	13	70	(0)		
10	Interest @ Prime Rate		0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		
11	Interest on Deferral Balance		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0		
12	Monthly Sales (MWh)		33,245	29,485	23,981	22,337	20,367	22,351	24,439	27,757	25,605	19,902	20,641	29,026		
13	EE SBC Rate		1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005		

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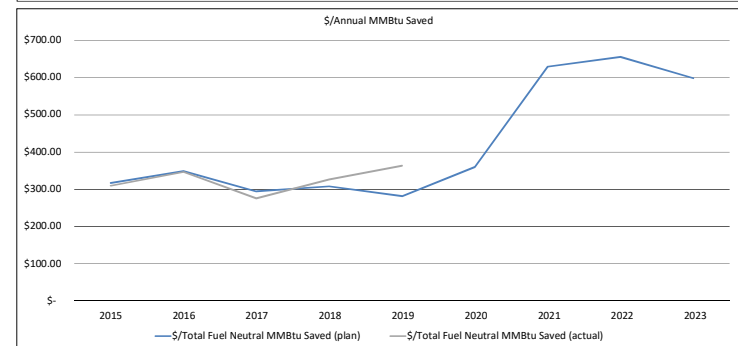
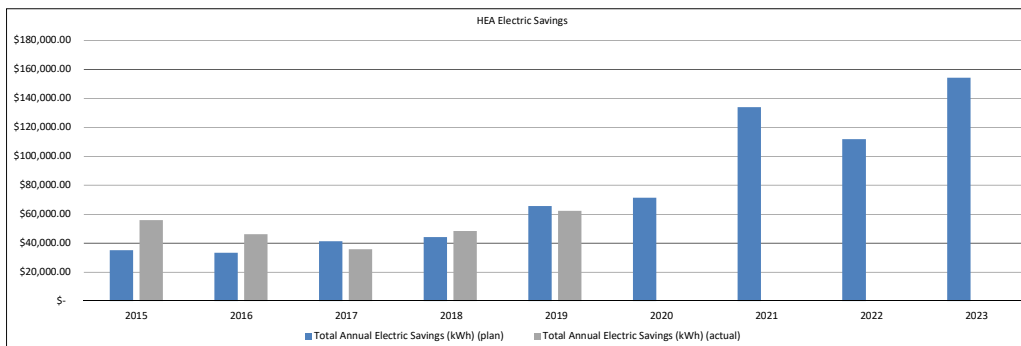
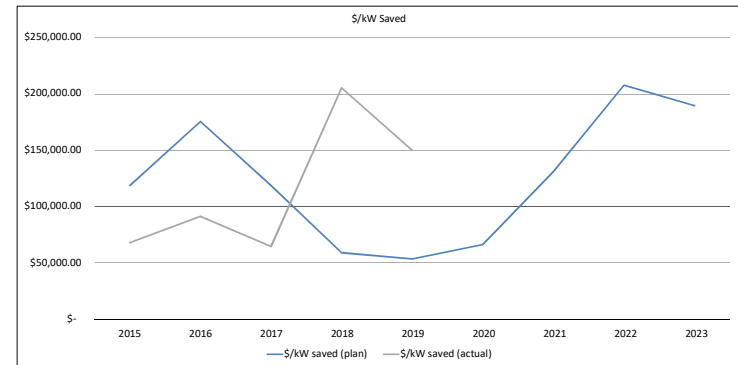
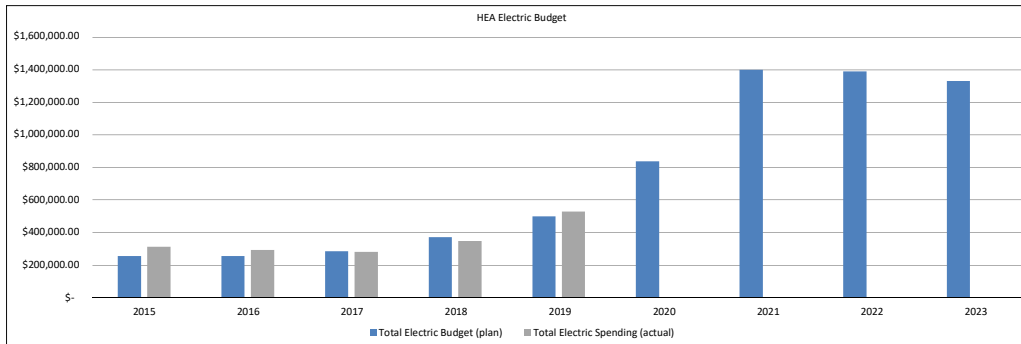
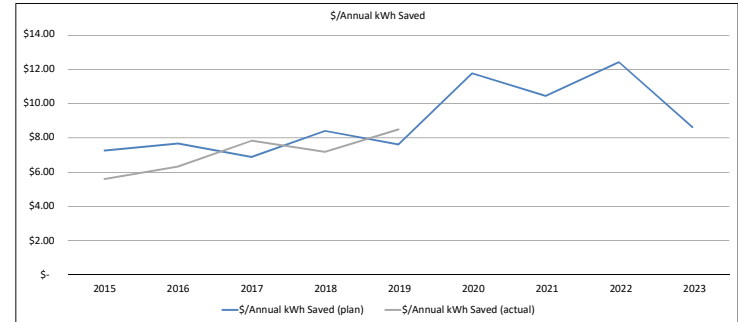
Bill Impacts of Changes in System Benefits Charge - New Hampshire Electric Cooperative, Inc.

	Current Rates*		2021	2022	2023
EE Portion of System Benefits Charge (\$/kWh)	\$	0.00528	N/A		
Proposed Residential EE Portion of System Benefits Charge (\$/kWh)	N/A		\$ 0.00838	0.0087343	0.008534
Proposed Commercial EE Portion of System Benefits Charge (\$/kWh)	N/A		\$ 0.00906	0.0103636	0.010046
<u>Bill per month, including NHEC default energy service</u>					
Residential Rate Basic (625 kWh/month)	\$	117.01	\$ 118.95	\$ 119.17	\$ 119.04
Commercial B3, three phase service (<50 kW, 10,000 kWh/month)	\$	1,649.14	\$ 1,686.97	\$ 1,699.98	\$ 1,696.80
<u>Change from previous rate level - \$ per month</u>					
Residential Rate Basic (625 kWh/month)			\$ 1.94	\$ 0.22	\$ (0.13)
Commercial B3, three phase service (<50 kW, 10,000 kWh/month)			\$ 37.83	\$ 13.01	\$ (3.18)
<u>Change from previous rate level - %</u>					
Residential Rate Basic (625 kWh/month)			1.7%	0.19%	-0.11%
Commercial B3, three phase service (<50 kW, 10,000 kWh/month)			2.3%	0.77%	-0.19%

* Stated at NHEC's rate levels approved March 31,2020

Home Energy Assistance

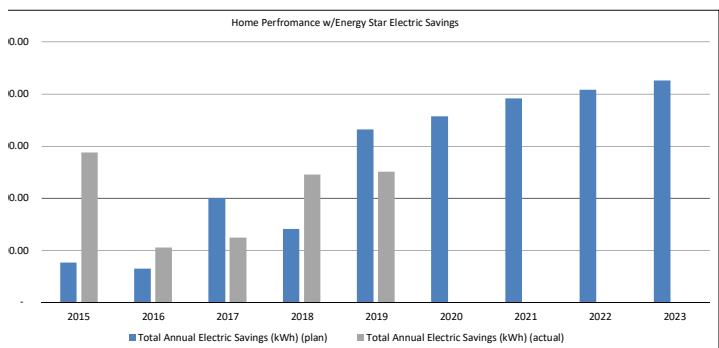
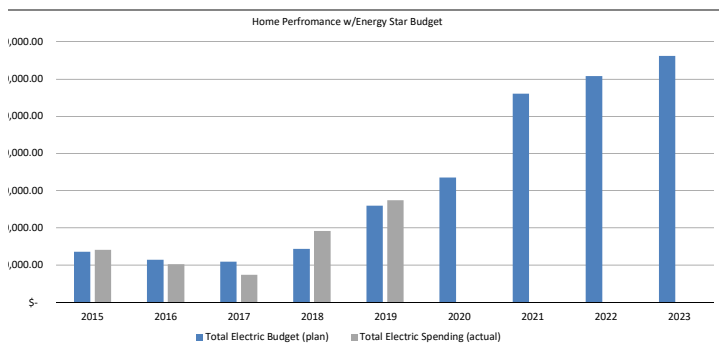
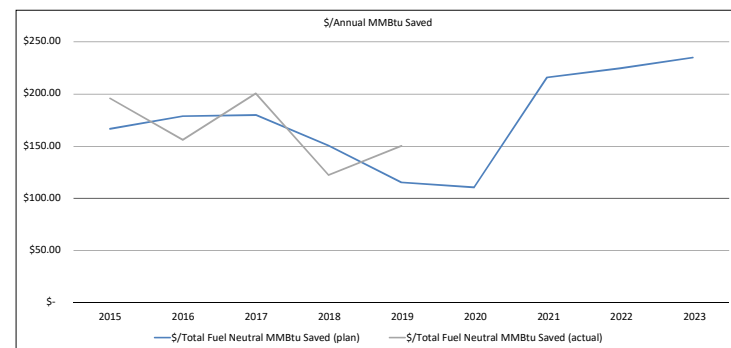
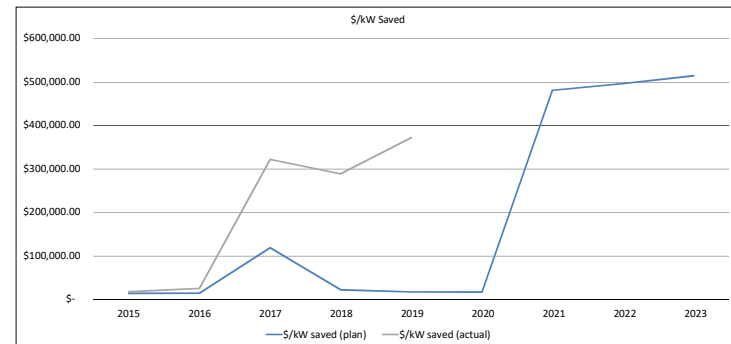
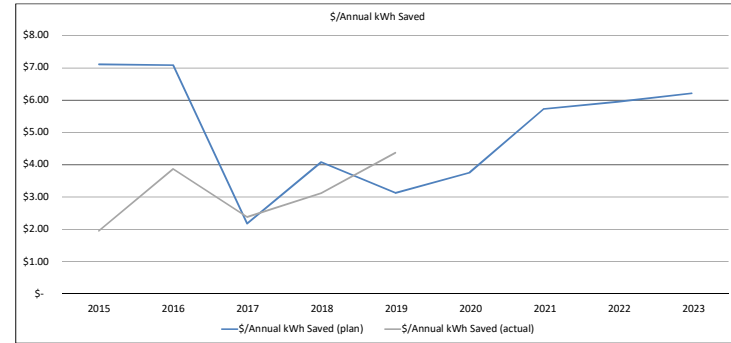
		2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Planned	Total Electric Budget (plan)	\$ 254,857.00	\$ 255,703.00	\$ 284,308.00	\$ 371,084.55	\$ 499,415.73	\$ 838,773.00	\$ 1,401,044.44	\$ 1,389,759.92	\$ 1,331,991.65
	Total Annual Electric Savings (kWh) (plan)	\$ 35,100.20	\$ 33,320.82	\$ 41,277.05	\$ 44,118.52	\$ 65,569.58	\$ 71,262.75	\$ 133,985.40	\$ 111,856.22	\$ 154,282.45
	\$/Annual kWh Saved (plan)	\$ 7.26	\$ 7.67	\$ 6.89	\$ 8.41	\$ 7.62	\$ 11.77	\$ 10.46	\$ 12.42	\$ 8.63
2) Planned	Total Electric Budget	\$ 254,857.00	\$ 255,703.00	\$ 284,308.00	\$ 371,084.55	\$ 499,415.73	\$ 838,773.00	\$ 1,401,044.44	\$ 1,389,759.92	\$ 1,331,991.65
	Total kW saved	\$ 2.15	\$ 1.45	\$ 2.39	\$ 6.28	\$ 9.34	\$ 12.64	\$ 10.69	\$ 6.68	\$ 7.02
	\$/kW saved (plan)	\$ 118,803.99	\$ 175,764.94	\$ 118,738.52	\$ 59,056.07	\$ 53,477.66	\$ 66,382.70	\$ 131,084.30	\$ 207,953.92	\$ 189,818.94
3) Planned	Total Electric Budget	\$ 254,857.00	\$ 255,703.00	\$ 284,308.00	\$ 371,084.55	\$ 499,415.73	\$ 838,773.00	\$ 1,401,044.44	\$ 1,389,759.92	\$ 1,331,991.65
	Total Fuel Neutral MMBtu Saved	\$ 803.73	\$ 732.78	\$ 965.66	\$ 1,204.43	\$ 1,773.71	\$ 2,329.89	\$ 2,225.39	\$ 2,119.42	\$ 2,225.39
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 317.09	\$ 348.95	\$ 294.42	\$ 308.10	\$ 281.57	\$ 360.00	\$ 629.57	\$ 655.73	\$ 598.54
Actuals		2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Actuals	Total Electric Spending (actual)	\$ 313,005.00	\$ 292,376.00	\$ 280,148.40	\$ 348,316.37	\$ 529,829.57				
	Total Annual Electric Savings (kWh) (actu.)	\$ 55,900.00	\$ 46,200.00	\$ 35,764.57	\$ 48,480.85	\$ 62,388.23				
	\$/Annual kWh Saved (actual)	\$ 5.60	\$ 6.33	\$ 7.83	\$ 7.18	\$ 8.49				
2) Actuals	Total Electric Spending	\$ 313,005.00	\$ 292,376.00	\$ 280,148.40	\$ 348,316.37	\$ 529,829.57				
	Total kW saved	\$ 4.60	\$ 3.20	\$ 4.33	\$ 1.69	\$ 3.53				
	\$/kW saved (actual)	\$ 68,044.57	\$ 91,367.50	\$ 64,654.44	\$ 205,508.97	\$ 150,172.66				
3) Actuals	Total Electric Spending	\$ 313,005.00	\$ 292,376.00	\$ 280,148.40	\$ 348,316.37	\$ 529,829.57				
	Total Fuel Neutral MMBtu Saved	\$ 1,010.08	\$ 842.90	\$ 1,015.69	\$ 1,067.33	\$ 1,456.82				
	\$/Total Fuel Neutral MMBtu Saved (actu.)	\$ 309.88	\$ 346.87	\$ 275.82	\$ 326.34	\$ 363.69				



Home Performance w/Energy Star

	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Electric Budget (plan)	\$ 272,233.00	\$ 229,205.00	\$ 218,456.00	\$ 287,669.67	\$ 519,510.90	\$ 670,225.00	\$ 1,122,087	\$ 1,215,888	\$ 1,323,499
Total Annual Electric Savings (kWh) (plan)	\$ 38,271.72	\$ 32,355.03	\$ 100,197.78	\$ 70,460.53	\$ 166,032.86	\$ 178,487.22	\$ 195,956	\$ 204,246	\$ 212,950
\$/Annual kWh Saved (plan)	\$ 7.11	\$ 7.08	\$ 2.18	\$ 4.08	\$ 3.13	\$ 3.76	\$ 5.73	\$ 5.95	\$ 6.22
Total Electric Budget	\$ 272,233.00	\$ 229,205.00	\$ 218,456.00	\$ 287,669.67	\$ 519,510.90	\$ 670,225.00	\$ 1,122,087	\$ 1,215,888	\$ 1,323,499
Total kW saved	19.43	16.31	1.84	12.99	30.65	39.67	2.33	2.45	2.57
\$/kW saved (plan)	\$ 14,008.04	\$ 14,051.07	\$ 118,668.66	\$ 22,145.49	\$ 16,952.03	\$ 16,893.39	\$ 481,399	\$ 496,802	\$ 515,020
Total Electric Budget	\$ 272,233.00	\$ 229,205.00	\$ 218,456.00	\$ 287,669.67	\$ 519,510.90	\$ 670,225.00	\$ 1,122,087	\$ 1,215,888	\$ 1,323,499
Total Fuel Neutral MMBtu Saved	1,633.55	1,281.68	1,214.38	1,912.43	4,506.44	6,066.04	5,196	5,409	5,632
\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 166.65	\$ 178.83	\$ 179.89	\$ 150.42	\$ 115.28	\$ 110.49	\$ 216	\$ 225	\$ 235

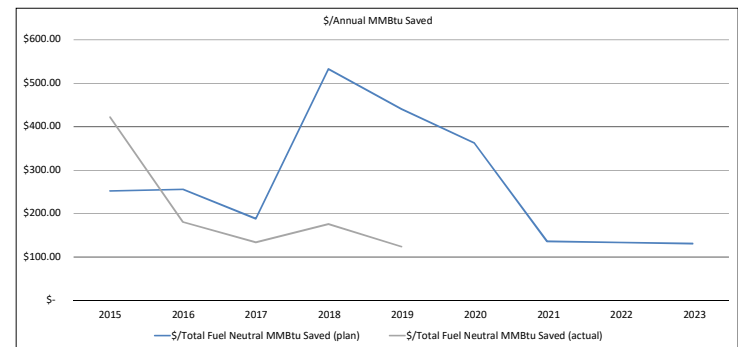
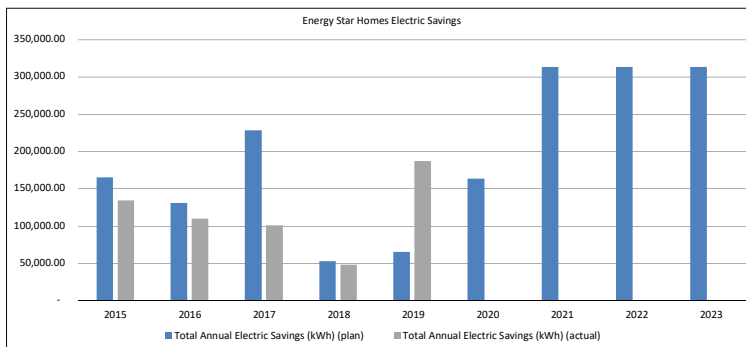
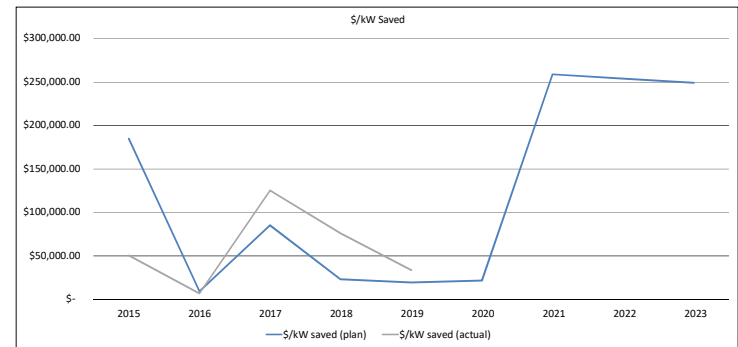
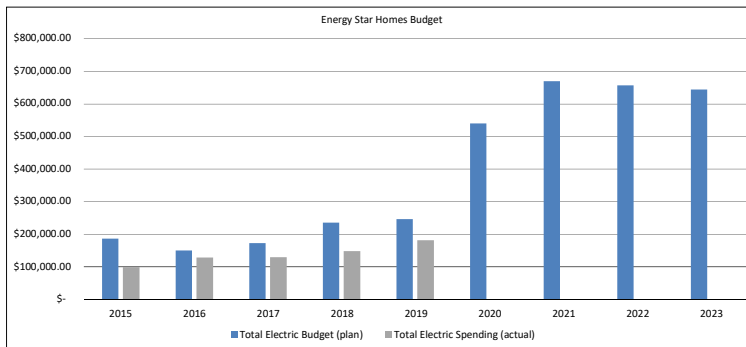
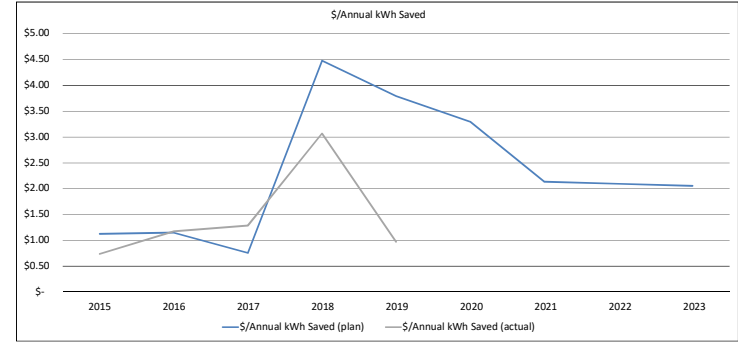
	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Electric Spending (actual)	\$ 281,645.00	\$ 204,480.00	\$ 148,636.84	\$ 383,006.41	\$ 548,206.97				
Total Annual Electric Savings (kWh) (actu)	\$ 144,000.00	\$ 52,805.00	\$ 62,273.93	\$ 122,706.43	\$ 125,325.72				
\$/Annual kWh Saved (actual)	\$ 1.96	\$ 3.87	\$ 2.39	\$ 3.12	\$ 4.37				
Total Electric Spending	\$ 281,645.00	\$ 204,480.00	\$ 148,636.84	\$ 383,006.41	\$ 548,206.97				
Total kW saved	15.90	8.10	0.46	1.33	1.47				
\$/kW saved (actual)	\$ 17,713.52	\$ 25,244.44	\$ 322,270.51	\$ 288,998.22	\$ 372,381.72				
Total Electric Spending	\$ 281,645.00	\$ 204,480.00	\$ 148,636.84	\$ 383,006.41	\$ 548,206.97				
Total Fuel Neutral MMBtu Saved	1,437.92	1,310.31	741.02	3,132.17	3,646.40				
\$/Total Fuel Neutral MMBtu Saved (actu)	\$ 195.87	\$ 156.05	\$ 200.58	\$ 122.28	\$ 150.34				



Energy Star Homes

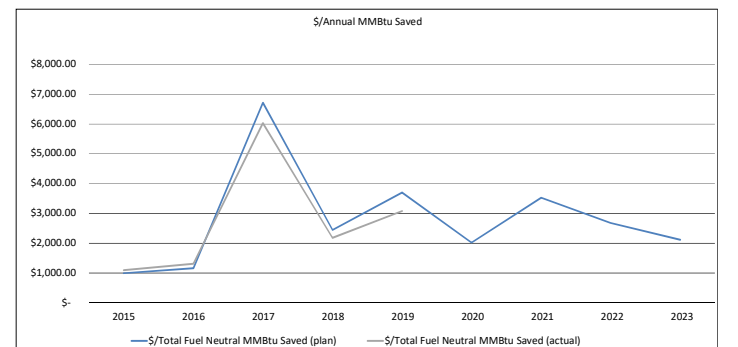
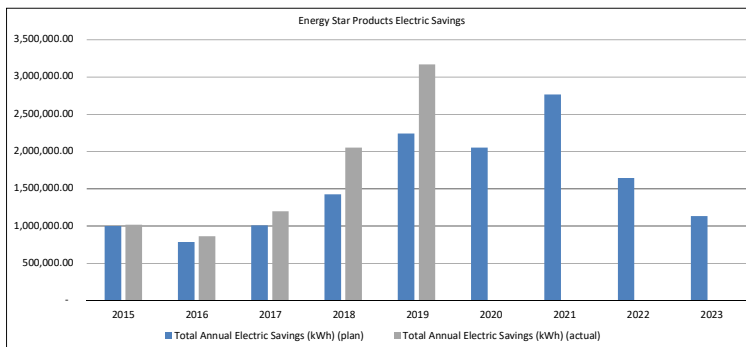
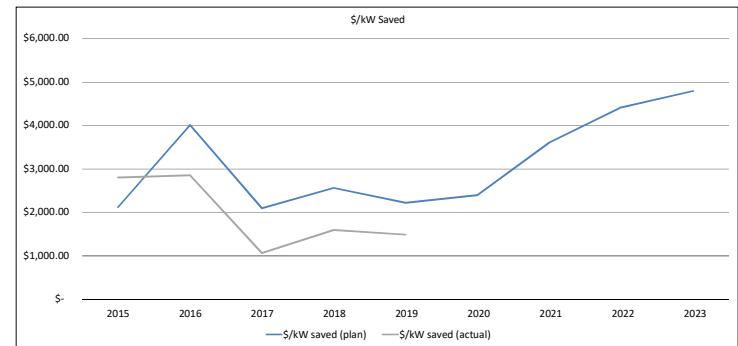
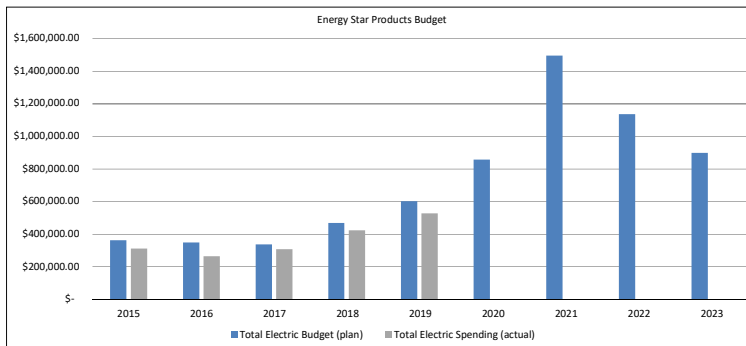
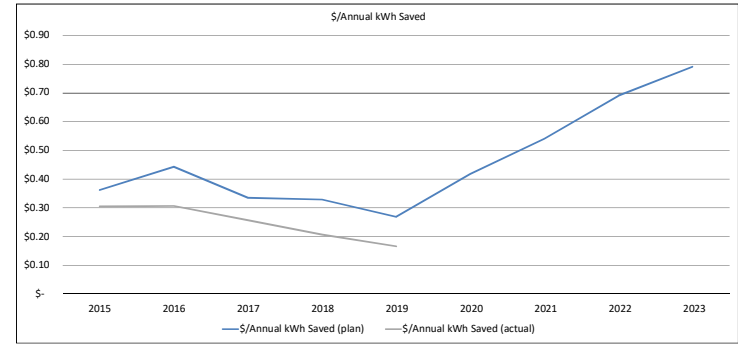
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 186,042.00	\$ 150,426.00	\$ 172,764.00	\$ 235,909.21	\$ 246,674.96	\$ 540,544.00	\$ 670,122	\$ 657,117	\$ 644,777
	Total Annual Electric Savings (kWh) (plan)	\$ 165,241.44	\$ 130,931.27	\$ 228,636.03	\$ 52,681.05	\$ 65,009.21	\$ 163,862.33	\$ 313,729	\$ 313,729	\$ 313,729
	\$/Annual kWh Saved (plan)	\$ 1.13	\$ 1.15	\$ 0.76	\$ 4.48	\$ 3.79	\$ 3.30	\$ 2.14	\$ 2.09	\$ 2.06
2)	Total Electric Budget	\$ 186,042.00	\$ 150,426.00	\$ 172,764.00	\$ 235,909.21	\$ 246,674.96	\$ 540,544.00	\$ 670,122	\$ 657,117	\$ 644,777
	Total kW saved	1.01	16.55	2.03	10.22	12.76	25.02	2.59	2.59	2.59
	\$/kW saved (plan)	\$ 185,056.05	\$ 9,089.54	\$ 85,266.64	\$ 23,075.53	\$ 19,333.56	\$ 21,603.62	\$ 259,058	\$ 254,030	\$ 249,260
3)	Total Electric Budget	\$ 186,042.00	\$ 150,426.00	\$ 172,764.00	\$ 235,909.21	\$ 246,674.96	\$ 540,544.00	\$ 670,122	\$ 657,117	\$ 644,777
	Total Fuel Neutral MMBtu Saved	737.56	587.75	916.77	442.43	559.33	1,490.73	4,919	4,919	4,919
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 252.24	\$ 255.94	\$ 188.45	\$ 533.21	\$ 441.02	\$ 362.60	\$ 136	\$ 134	\$ 131

Actuals		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Spending (actual)	\$ 99,069.00	\$ 129,039.00	\$ 129,650.82	\$ 147,672.12	\$ 181,874.58				
	Total Annual Electric Savings (kWh) (actu.)	\$ 134,300.00	\$ 109,900.00	\$ 100,710.35	\$ 48,129.32	\$ 187,159.38				
	\$/Annual kWh Saved (actual)	\$ 0.74	\$ 1.17	\$ 1.29	\$ 3.07	\$ 0.97				
2)	Total Electric Spending	\$ 99,069.00	\$ 129,039.00	\$ 129,650.82	\$ 147,672.12	\$ 181,874.58				
	Total kW saved	1.96	18.80	1.03	1.94	5.41				
	\$/kW saved (actual)	\$ 50,501.18	\$ 6,863.78	\$ 125,444.95	\$ 76,096.52	\$ 33,647.03				
3)	Total Electric Spending	\$ 99,069.00	\$ 129,039.00	\$ 129,650.82	\$ 147,672.12	\$ 181,874.58				
	Total Fuel Neutral MMBtu Saved	234.69	713.60	966.41	839.99	1,464.62				
	\$/Total Fuel Neutral MMBtu Saved (actu.)	\$ 422.13	\$ 180.83	\$ 134.16	\$ 175.80	\$ 124.18				



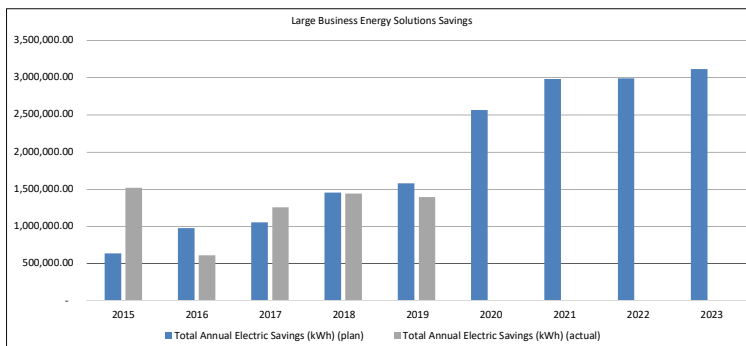
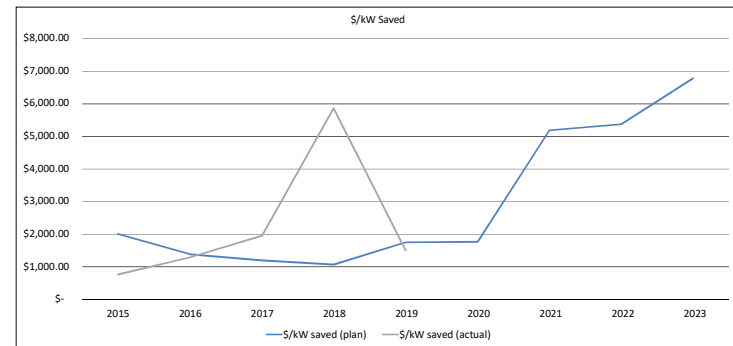
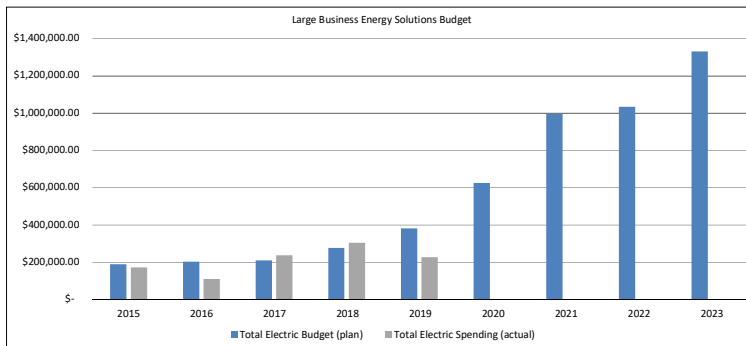
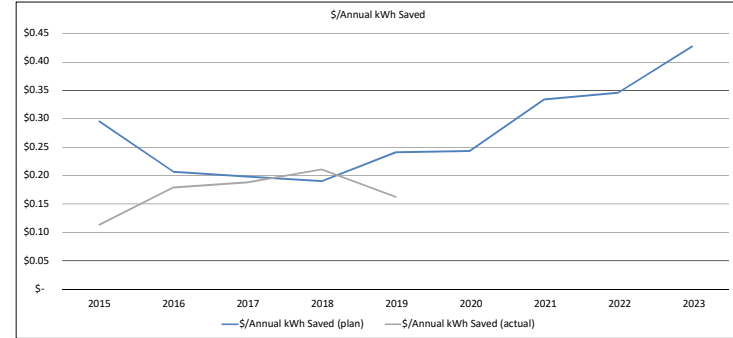
Energy Star Products

		2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Planned	Total Electric Budget (plan)	\$ 362,250.00	\$ 349,270.00	\$ 338,248.00	\$ 469,558.56	\$ 602,894.51	\$ 858,424.35	\$ 1,497,232	\$ 1,137,730	\$ 898,630
	Total Annual Electric Savings (kWh) (plan)	\$ 999,269.23	\$ 787,893.83	\$ 1,008,685.09	\$ 1,426,971.51	\$ 2,244,494.09	\$ 2,052,977.25	\$ 2,767,818	\$ 1,646,896	\$ 1,134,690
	\$/Annual kWh Saved (plan)	\$ 0.36	\$ 0.44	\$ 0.34	\$ 0.33	\$ 0.27	\$ 0.42	\$ 0.54	\$ 0.69	\$ 0.79
2) Total Electric Budget	Total Electric Budget	\$ 362,250.00	\$ 349,270.00	\$ 338,248.00	\$ 469,558.56	\$ 602,894.51	\$ 858,424.35	\$ 1,497,232	\$ 1,137,730	\$ 898,630
	Total kW saved	170.49	86.98	161.13	182.83	270.89	357.45	414.37	257.31	187.28
	\$/kW saved (plan)	\$ 2,124.74	\$ 4,015.30	\$ 2,099.27	\$ 2,568.30	\$ 2,225.57	\$ 2,401.54	\$ 3,613	\$ 4,422	\$ 4,798
3) Total Electric Budget	Total Electric Budget	\$ 362,250.00	\$ 349,270.00	\$ 338,248.00	\$ 469,558.56	\$ 602,894.51	\$ 858,424.35	\$ 1,497,232	\$ 1,137,730	\$ 898,630
	Total Fuel Neutral MMBtu Saved	364.14	300.17	50.35	191.64	162.77	424.34	424	424	424
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 994.82	\$ 1,163.59	\$ 6,717.37	\$ 2,450.24	\$ 3,703.93	\$ 2,022.95	\$ 3,529	\$ 2,682	\$ 2,118
Actuals		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Spending (actual)	\$ 310,934.00	\$ 264,733.00	\$ 308,155.35	\$ 425,054.56	\$ 527,215.81				
	Total Annual Electric Savings (kWh) (actu.)	\$ 1,018,400.00	\$ 863,500.00	\$ 1,199,911.22	\$ 2,052,977.25	\$ 3,172,843.69				
	\$/Annual kWh Saved (actual)	\$ 0.31	\$ 0.31	\$ 0.26	\$ 0.21	\$ 0.17				
2)	Total Electric Spending	\$ 310,934.00	\$ 264,733.00	\$ 308,155.35	\$ 425,054.56	\$ 527,215.81				
	Total kW saved	110.80	92.60	289.14	289.14	265.97				
	\$/kW saved (actual)	\$ 2,806.26	\$ 2,858.89	\$ 1,065.76	\$ 1,598.11	\$ 1,991.95				
3)	Total Electric Spending	\$ 310,934.00	\$ 264,733.00	\$ 308,155.35	\$ 425,054.56	\$ 527,215.81				
	Total Fuel Neutral MMBtu Saved	283.50	201.40	51.06	194.68	171.096				
	\$/Total Fuel Neutral MMBtu Saved (actu.)	\$ 1,096.77	\$ 1,314.46	\$ 6,035.52	\$ 2,183.39	\$ 3,081.40				



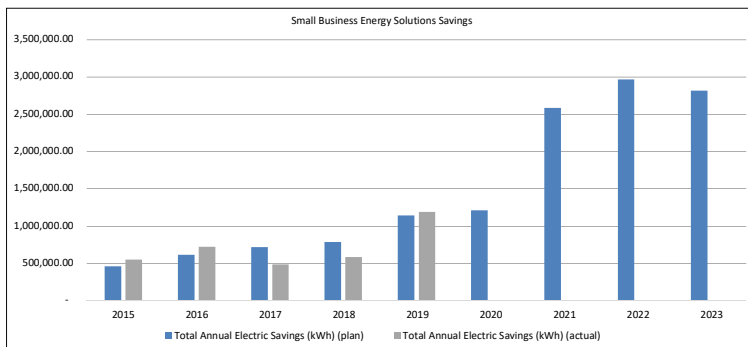
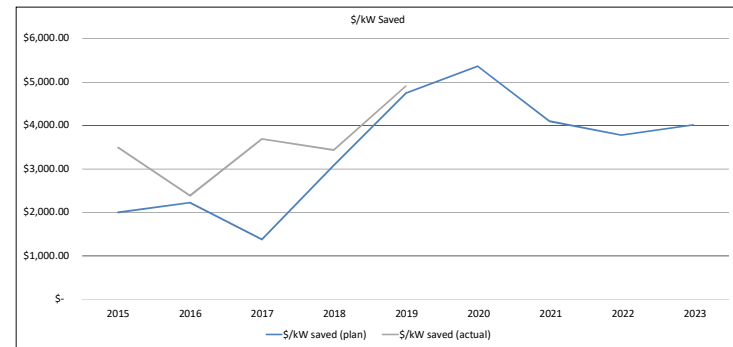
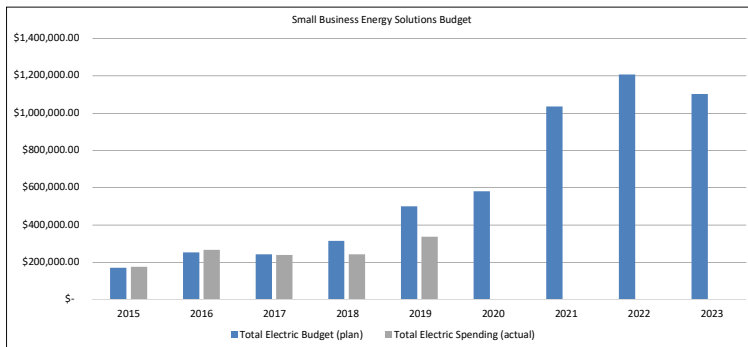
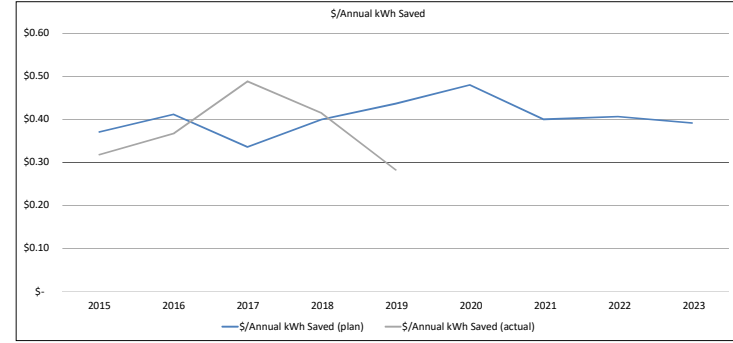
Large Business Energy Solutions

Planned	2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Total Electric Budget (plan)	\$ 188,981.00	\$ 202,403.00	\$ 209,679.00	\$ 277,067.46	\$ 381,523.59	\$ 624,576.00	\$ 996,188.04	\$ 1,034,978.57	\$ 1,331,991.65
Total Annual Electric Savings (kWh) (plan)	\$ 639,637.22	\$ 978,279.40	\$ 1,056,642.38	\$ 1,456,171.75	\$ 1,581,541.99	\$ 2,564,148.19	\$ 2,981,976.04	\$ 2,991,305.70	\$ 3,114,657.18
\$/Annual kWh Saved (plan)	\$ 0.30	\$ 0.21	\$ 0.20	\$ 0.19	\$ 0.24	\$ 0.24	\$ 0.33	\$ 0.35	\$ 0.43
2) Total Electric Budget	\$ 188,981.00	\$ 202,403.00	\$ 209,679.00	\$ 277,067.46	\$ 381,523.59	\$ 624,576.00	\$ 996,188.04	\$ 1,034,978.57	\$ 1,331,991.65
Total kW saved	94.11	146.13	175.61	259.47	218.04	353.51	191.93	192.53	196.07
\$/kW saved (plan)	\$ 2,008.02	\$ 1,385.12	\$ 1,194.04	\$ 1,067.80	\$ 1,749.79	\$ 1,766.80	\$ 5,190	\$ 5,376	\$ 6,793
3) Total Electric Budget	\$ 188,981.00	\$ 202,403.00	\$ 209,679.00	\$ 277,067.46	\$ 381,523.59	\$ 624,576.00	\$ 996,188.04	\$ 1,034,978.57	\$ 1,331,991.65
Total Fuel Neutral MMBtu Saved	-	-	-	-	-	-	-	-	-
\$/Total Fuel Neutral MMBtu Saved (plan)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Actuals	2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Total Electric Spending (actual)	\$ 172,179.00	\$ 109,309.00	\$ 236,808.93	\$ 304,536.17	\$ 226,077.07				
Total Annual Electric Savings (kWh) (actu.)	1,519,000.00	609,900.00	1,258,258.52	1,442,732.56	1,399,199.13				
\$/Annual kWh Saved (actual)	\$ 0.11	\$ 0.18	\$ 0.19	\$ 0.21	\$ 0.16				
2) Total Electric Spending	\$ 172,179.00	\$ 109,309.00	\$ 236,808.93	\$ 304,536.17	\$ 226,077.07				
Total kW saved	225.50	84.90	121.28	51.89	149.97				
\$/kW saved (actual)	\$ 763.54	\$ 1,287.50	\$ 1,952.66	\$ 5,868.41	\$ 1,507.53				
3) Total Electric Spending	\$ 172,179.00	\$ 109,309.00	\$ 236,808.93	\$ 304,536.17	\$ 226,077.07				
Total Fuel Neutral MMBtu Saved	-	-	-	-	-				
\$/Total Fuel Neutral MMBtu Saved (actu.)	-	-	-	-	-				



Small Business Energy Solutions

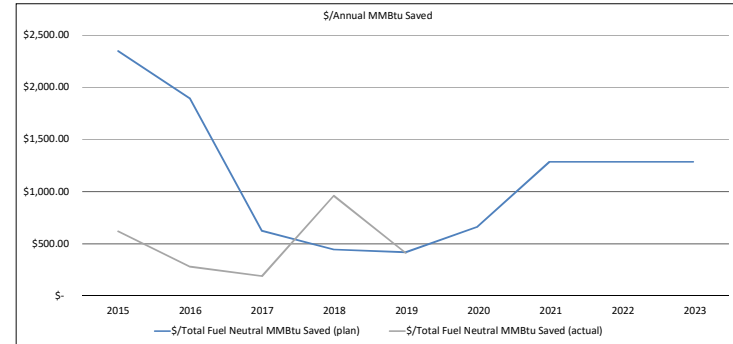
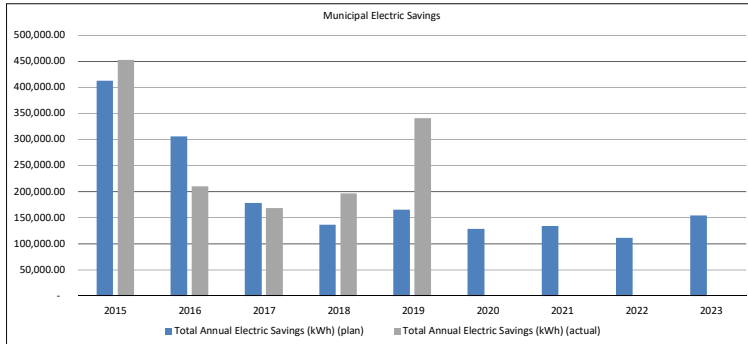
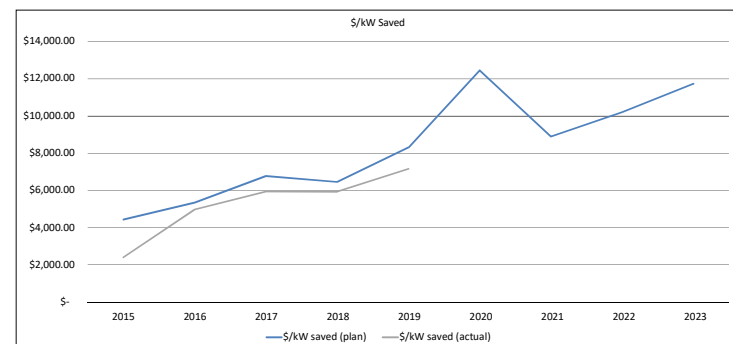
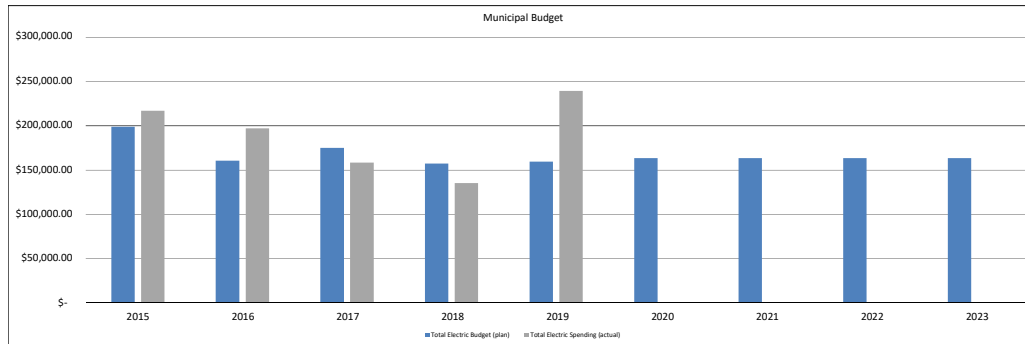
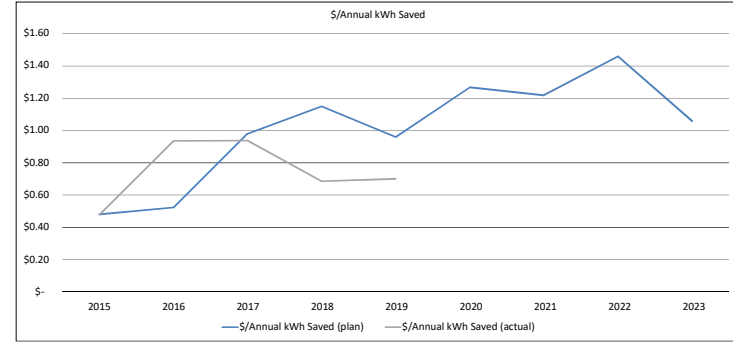
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 170,507.00	\$ 253,038.00	\$ 241,342.00	\$ 314,465.22	\$ 499,966.58	\$ 581,067.00	\$ 1,036,092	\$ 1,208,256	\$ 1,103,905
	Total Annual Electric Savings (kWh) (plan)	\$ 459,727.00	\$ 614,054.23	\$ 718,002.42	\$ 786,162.50	\$ 1,144,703.92	\$ 1,209,604.03	\$ 2,588,778	\$ 2,970,915	\$ 2,817,409
	\$/Annual kWh Saved (plan)	\$ 0.37	\$ 0.41	\$ 0.34	\$ 0.40	\$ 0.44	\$ 0.48	\$ 0.40	\$ 0.41	\$ 0.39
2)	Total Electric Budget	\$ 170,507.00	\$ 253,038.00	\$ 241,342.00	\$ 314,465.22	\$ 499,966.58	\$ 581,067.00	\$ 1,036,092	\$ 1,208,256	\$ 1,103,905
	Total kW saved	85.06	113.62	175.08	101.83	105.30	108.23	252.51	319.49	274.76
	\$/kW saved (plan)	\$ 2,004.49	\$ 2,227.11	\$ 1,378.49	\$ 3,088.21	\$ 4,748.00	\$ 5,368.82	\$ 4,103	\$ 3,782	\$ 4,018
3)	Total Electric Budget	\$ 170,507.00	\$ 253,038.00	\$ 241,342.00	\$ 314,465.22	\$ 499,966.58	\$ 581,067.00	\$ 1,036,092	\$ 1,208,256	\$ 1,103,905
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-	-	-	-	-
	\$/Total Fuel Neutral MMBtu Saved (plan)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Actuals		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Spending (actual)	\$ 175,186.00	\$ 265,112.00	\$ 238,151.99	\$ 241,447.38	\$ 336,499.89				
	Total Annual Electric Savings (kWh) (actu.)	\$ 550,600.00	\$ 721,700.00	\$ 487,246.98	\$ 582,120.00	\$ 1,189,122.82				
	\$/Annual kWh Saved (actual)	\$ 0.32	\$ 0.37	\$ 0.49	\$ 0.41	\$ 0.28				
2)	Total Electric Spending	\$ 175,186.00	\$ 265,112.00	\$ 238,151.99	\$ 241,447.38	\$ 336,499.89				
	Total kW saved	50.10	111.00	64.46	70.22	68.57				
	\$/kW saved (actual)	\$ 3,496.73	\$ 2,388.40	\$ 3,694.33	\$ 3,438.44	\$ 4,907.32				
3)	Total Electric Spending	\$ 175,186.00	\$ 265,112.00	\$ 238,151.99	\$ 241,447.38	\$ 336,499.89				
	Total Fuel Neutral MMBtu Saved	-	-	-	-	-				
	\$/Total Fuel Neutral MMBtu Saved (actu)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				



Municipal

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Total Electric Budget (plan)	\$	198,828.00	160,393.00	174,968.00	157,518.81	159,402.78	163,318.00	163,318	163,318	163,318
Total Annual Electric Savings (kWh) (plan)	\$	413,076.33	306,456.75	178,641.98	137,004.63	166,023.21	128,772.82	133,985	111,856	154,282
\$/Annual kWh Saved (plan)	\$	0.48	0.52	0.98	1.15	0.96	1.27	1.22	1.46	1.06
2) Total Electric Budget	\$	198,828.00	160,393.00	174,968.00	157,518.81	159,402.78	163,318.00	163,318	163,318	163,318
Total kW saved		44.77	29.96	25.80	24.38	19.17	13.10	18.34	15.99	13.91
\$/kW saved (plan)	\$	4,441.47	5,353.27	6,781.68	6,461.52	8,315.74	12,467.50	8,905	10,215	11,741
3) Total Electric Budget	\$	198,828.00	160,393.00	174,968.00	157,518.81	159,402.78	163,318.00	163,318	163,318	163,318
Total Fuel Neutral MMBtu Saved		84.60	84.60	280.03	353.15	379.89	245.77	127	127	127
\$/Total Fuel Neutral MMBtu Saved (plan)	\$	2,350.21	1,895.90	624.81	446.04	419.60	664.51	1,288	1,288	1,288

Actuals		2015	2016	2017	2018	2019	2020	2021	2022	2023
1) Total Electric Spending (actual)	\$	217,200.00	197,081.00	158,370.45	135,104.98	239,397.86				
Total Annual Electric Savings (kWh) (act.)	\$	452,700.00	210,600.00	168,841.99	196,823.00	341,480.29				
\$/Annual kWh Saved (actual)	\$	0.48	0.94	0.94	0.69	0.70				
2) Total Electric Spending	\$	217,200.00	197,081.00	158,370.45	135,104.98	239,397.86				
Total kW saved		90.20	39.50	26.63	22.73	33.42				
\$/kW saved (actual)	\$	2,407.98	4,989.39	5,946.23	5,944.32	7,164.01				
3) Total Electric Spending	\$	217,200.00	197,081.00	158,370.45	135,104.98	239,397.86				
Total Fuel Neutral MMBtu Saved		350.53	700.35	830.79	140.51	577.55				
\$/Total Fuel Neutral MMBtu Saved (actu)	\$	619.63	281.40	190.63	961.53	414.50				



Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.79	0.18	1.85	2,923.975	288.886	3,023.074	1,637.476	-	199.0	2,534.5	44.7	41.7	124	3,322.7	68,015.1
A1 - Energy Star Homes	3.23	0.26	4.00	1,397.207	113.426	2,132.946	432.655	101.125	64.6	1,464.8	16.7	2.5	120	1,654.0	39,310.0
A2 - Home Performance with Energy Star	1.80	0.29	2.27	918.942	150.477	1,410.927	510.435	110.976	74.1	1,252.6	24.2	19.3	54	1,379.0	27,622.0
A3 - Energy Star Products	2.30	1.55	3.66	3,480.545	2,339.764	5,923.622	1,513.474	106.436	3,332.3	19,705.6	655.5	549.5	61,666	2,371.6	35,182.4
A4 - Residential Behavior	1.01	1.01	1.96	201.145	201.145	389.145	198.183	-	1,749.0	1,749.0	377.6	243.5	22,700	-	-
A5 - Residential Active Demand Response	0.75	0.75	0.83	27.148	27.148	29.863	36.000	-	-	-	-	-	125	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	13.000	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	26.950	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	65.500	-	-	-	-	-	-	-	-
Sub-Total Residential	2.02	0.70	2.72	8,948.964	3,120.847	12,909.577	4,433.672	318.537	5,418.9	26,706.4	1,118.7	856.5	84,789	8,727.3	170,129.4
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	2.01	2.00	2.04	4,548.611	4,525.608	7,515.698	2,257.665	1,423.170	5,666.1	72,746.7	297.5	321.0	184	107.4	1,074.2
C2 - Small Business Energy Solutions	2.31	2.30	2.29	4,536.759	4,514.429	7,566.605	1,959.838	1,337.403	4,357.8	52,467.2	400.5	298.4	448	190.5	2,030.6
C3 - Municipal Energy Solutions	5.41	5.16	6.56	1,107.671	1,055.562	1,593.021	204.700	38.000	471.4	7,328.6	30.5	157.0	11	100.0	2,500.0
C5 - C&I Active Demand Response	3.20	3.20	3.52	442.871	442.871	487.027	138.250	-	-	-	-	-	19	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	19.000	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	57.500	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.29	2.27	2.31	10,635.913	10,538.471	17,162.351	4,636.953	2,798.573	10,495.4	132,542.4	728.5	776.5	662	397.9	5,604.7
C6e - Smart Start	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2.16	1.51	2.47	19,584.877	13,659.317	30,071.928	9,070.625	3,117.110	15,914.3	159,248.9	1,847.2	1,633.0	85,451	9,125.2	175,734.2

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs in 2021 Dollars

Annual kWh Savings	15,914,330	85.6%	kWh > 55%	Lifetime kWh Savings	159,248,874	75.6%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>2,674,319</u>	<u>14.4%</u>		Lifetime MMBTU Savings (in kWh)	<u>51,502,611</u>	<u>24.4%</u>	
	18,588,649	100.0%			210,751,484	100.0%	

Annual Savings as a % of 2019 Sales	1.37%	Spending per Customer	Low-Income	\$	360.28
			Residential	\$	46.30
			C&I	\$	416.73

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	159,248,874	103,511,768		-	1.925%	-	\$ 174,610	\$ 218,262	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	15,914,330	10,344,314		-	0.550%	-	\$ 49,888	\$ 62,361	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,633	1,061		-	0.495%	-	\$ 44,900	\$ 56,124	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,847	1,201		-	0.330%	-	\$ 29,933	\$ 37,416	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	2,025	1,316		-	0.275%	-	\$ 24,944	\$ 31,180	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 18,567,423			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 9,070,625			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 9,496,798	\$ 6,172,919	\$ -	-	1.925%	-	\$ 174,610	\$ 218,262	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 498,884	\$ 623,605	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 19,584,877		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 498,884	\$ -	from row 8 above
12 Total Utility Costs	\$ 9,070,625	\$ -	from row 6 above
13 Portfolio GST BCR	2.05	-	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.

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.04	0.15	2.09	4,069.1	291.3	4,166.1	1,991.2	-	280.5	2,533.0	55.8	47.8	168	4,584.4	94,137.5
A1 - Energy Star Homes	3.21	0.29	3.85	1,248.1	112.9	1,910.0	388.6	106.9	72.2	1,659.6	15.3	1.1	25	1,432.5	33,562.5
A2 - Home Performance with Energy Star	2.20	0.30	2.77	1,351.5	181.7	2,060.6	614.1	130.8	75.0	1,480.2	19.1	16.9	65	1,925.0	39,618.8
A3 - Energy Star Products	2.82	1.77	4.02	3,944.9	2,471.8	6,566.2	1,397.6	235.3	2,472.1	19,877.1	454.4	455.1	42,495	2,964.5	43,978.0
A4 - Residential Behavior	1.31	1.31	2.55	236.0	236.0	459.6	180.0	-	2,087.0	2,087.0	450.5	290.6	22,700	-	-
A5 - Residential Active Demand Response	1.02	1.02	1.12	41,580	41,580	45,738	40.9	-	-	-	-	-	188	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	23.7	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	31.6	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	67.9	-	-	-	-	-	-	-	-
Sub-Total Residential	2.30	0.70	2.92	10,891.2	3,335.2	15,208.3	4,735.7	473.0	4,986.8	27,636.9	995.2	811.4	65,641	10,906.4	211,296.8
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.84	1.83	1.88	5,491.6	5,466.5	9,142.2	2,983.9	1,889.0	7,421.4	96,979.1	296.4	315.1	170	123.9	1,239.4
C2 - Small Business Energy Solutions	1.85	1.84	2.23	4,151.8	4,131.0	7,119.6	2,248.2	942.6	4,431.7	51,975.7	223.7	145.4	356	83.2	1,538.0
C3 - Municipal Energy Solutions	5.30	4.75	5.87	1,039.6	931.4	1,458.2	196.1	52.3	310.0	6,310.0	-	111.2	11	200.0	5,000.0
C5 - C&I Active Demand Response	3.32	3.32	3.65	541,267	541,267	595,261	163.1	-	-	-	-	-	23	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	20.3	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	69.1	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	1.98	1.95	2.14	11,224.4	11,070.1	18,315.3	5,680.7	2,884.0	12,163.0	155,264.7	520.1	571.7	561	407.1	7,777.4
Total	2.12	1.38	2.43	22,115.5	14,405.3	33,523.6	10,416.4	3,357.0	17,149.8	182,901.6	1,515.3	1,383.2	66,202	11,313.5	219,074.2

Notes:

- (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
- (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Annual kWh Savings	17,149,843	83.8%	kWh > 55%	Lifetime kWh Savings	182,901,629	74.0%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>3,315,669</u>	<u>16.2%</u>		Lifetime MMBTU Savings (in kWh)	<u>64,204,312</u>	<u>26.0%</u>	
	20,465,513	100.0%			247,105,941	100.0%	

Annual Savings as a % of 2019 Sales	1.48%	Spending per Customer	Low-Income	\$	438.10
			Residential	\$	45.45
			C&I	\$	510.54

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	182,901,629	118,886,059		-	1.925%	-	\$ 200,516	\$ 250,645	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	17,149,843	11,147,398		-	0.550%	-	\$ 57,290	\$ 71,613	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,383	899		-	0.495%	-	\$ 51,561	\$ 64,452	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,515	985		-	0.330%	-	\$ 34,374	\$ 42,968	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	2,488	1,617		-	0.275%	-	\$ 28,326	\$ 35,407	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 20,716,751			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 10,416,433			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 10,300,318	\$ 6,695,207	\$ -	-	1.925%	-	\$ 200,516	\$ 250,645	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 572,585	\$ 715,731	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 22,115,506		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 572,585	\$ -	from row 8 above
12 Total Utility Costs	\$ 10,416,433	\$ -	from row 6 above
13 Portfolio GST BCR	2.01	-	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2022\$) is \$591,523.20.

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.

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.37	0.16	2.42	5,433.8	365.5	5,550.0	2,293.5	-	371.3	2,976.4	75.4	61.6	190	5,553.9	112,546.6
A1 - Energy Star Homes	2.64	0.34	3.34	1,039.0	135.0	1,678.7	392.9	110.2	80.8	1,868.8	16.9	1.2	31	1,133.5	25,877.5
A2 - Home Performance with Energy Star	2.38	0.31	2.71	1,679.1	219.6	2,325.8	706.3	151.2	80.6	1,748.6	16.4	15.8	77	2,342.7	47,837.4
A3 - Energy Star Products	3.54	2.12	3.39	4,535.4	2,713.7	5,821.3	1,281.0	436.7	2,042.1	20,886.7	346.3	417.4	18,312	3,557.4	52,773.6
A4 - Residential Behavior	1.74	1.74	2.63	308.2	308.2	464.3	176.9	-	3,116.0	3,116.0	377.6	243.5	22,700	-	-
A5 - Residential Active Demand Response	1.23	1.23	1.36	56.483	56.483	62.131	45.8	-	-	-	-	-	250	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	15.0	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	30.7	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	71.3	-	-	-	-	-	-	-	-
Sub-Total Residential	2.60	0.76	2.78	13,051.9	3,798.4	15,902.3	5,013.5	698.1	5,690.8	30,596.5	832.6	739.6	41,559	12,587.5	239,035.1
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.79	1.79	1.78	7,063.4	7,030.1	11,264.1	3,937.7	2,377.7	9,898.3	127,492.4	306.5	353.6	170	165.3	1,652.6
C2 - Small Business Energy Solutions	1.73	1.72	2.40	4,317.9	4,286.6	7,184.9	2,496.2	497.5	4,446.4	54,219.7	171.2	111.3	356	133.6	2,294.0
C3 - Municipal Energy Solutions	5.63	5.05	5.84	1,088.8	976.6	1,314.0	193.2	31.9	280.0	5,800.0	-	123.8	11	200.0	5,000.0
C5 - C&I Active Demand Response	3.95	3.95	4.34	641.918	641.918	705.975	162.7	-	-	-	-	-	27	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	22.5	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	79.7	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	1.90	1.88	2.09	13,112.0	12,935.2	20,468.9	6,892.1	2,907.0	14,624.7	187,512.2	477.7	588.6	565	498.9	8,946.6
Total	2.20	1.41	2.34	26,163.9	16,733.6	36,371.2	11,905.6	3,605.1	20,315.5	218,108.7	1,310.3	1,328.2	42,124	13,086.4	247,981.6

Notes:
 (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
 (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Annual kWh Savings	20,315,482	84.1%	kWh > 55%	Lifetime kWh Savings	218,108,688	75.0%	kWh > 55%
Annual MMBTU Savings (in kWh)	<u>3,835,241</u>	<u>15.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>72,676,248</u>	<u>25.0%</u>	
	24,150,723	100.0%			290,784,937	100.0%	

Annual Savings as a % of 2019 Sales	1.75%	Spending per Cus	1.75% Low-Income	\$ 504.62
			Residential	\$ 45.04
			C&I	\$ 619.40

Present Value Benefits - 2023 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)											Non-Resource Benefits (\$000)			Environmental Benefits (\$000)			
				Electric						Non-Electric					Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits		
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric DRIPE	Total Electric Benefit						Other Fuels	Water Benefit
Residential Programs																					
B1 - Home Energy Assistance	\$ 5,434	\$ 365	\$ 5,550	\$ 57	\$ -	\$ 56	\$ 48	\$ -	\$ 62	\$ 57	\$ 41	\$ 32	\$ 13	\$ 365	\$ 3,169	\$ 10	\$ 3,545	\$ 224	\$ 1,665	\$ 1,889	\$ 116
A1 - Energy Star Homes	\$ 1,039	\$ 135	\$ 1,679	\$ 3	\$ -	\$ 2	\$ 2	\$ -	\$ 54	\$ 62	\$ 4	\$ 3	\$ 5	\$ 135	\$ 854	\$ -	\$ 989	\$ 50	\$ 573	\$ 623	\$ 66
A2 - Home Performance with Energy Star	\$ 1,679	\$ 220	\$ 2,326	\$ 33	\$ -	\$ 31	\$ 27	\$ -	\$ 41	\$ 45	\$ 22	\$ 16	\$ 5	\$ 220	\$ 1,362	\$ 1	\$ 1,583	\$ 96	\$ 578	\$ 674	\$ 69
A3 - Energy Star Products	\$ 4,535	\$ 2,714	\$ 5,821	\$ 397	\$ -	\$ 412	\$ 357	\$ -	\$ 477	\$ 456	\$ 274	\$ 219	\$ 121	\$ 2,714	\$ 1,160	\$ 576	\$ 4,450	\$ 85	\$ 361	\$ 446	\$ 925
A4 - Residential Behavior	\$ 308	\$ 308	\$ 464	\$ 15	\$ -	\$ 25	\$ 22	\$ -	\$ 89	\$ 70	\$ 38	\$ 24	\$ 25	\$ 308	\$ -	\$ -	\$ 308	\$ -	\$ -	\$ -	\$ 156
A5 - Residential Active Demand Response	\$ 56	\$ 56	\$ 62	\$ 3	\$ -	\$ 26	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6	\$ 56	\$ -	\$ -	\$ 56	\$ -	\$ 6	\$ 6	\$ -
A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 13,052	\$ 3,798	\$ 15,902	\$ 509	\$ -	\$ 552	\$ 478	\$ -	\$ 722	\$ 690	\$ 379	\$ 294	\$ 174	\$ 3,798	\$ 6,545	\$ 588	\$ 10,931	\$ 456	\$ 3,182	\$ 3,638	\$ 1,333
Commercial/Industrial Programs																					
C1 - Large Business Energy Solutions	\$ 7,063	\$ 7,030	\$ 11,264	\$ 420	\$ -	\$ 427	\$ 370	\$ -	\$ 1,367	\$ 1,054	\$ 1,710	\$ 1,249	\$ 433	\$ 7,030	\$ 15	\$ 17	\$ 7,061	\$ 2	\$ 695	\$ 697	\$ 3,506
C2 - Small Business Energy Solutions	\$ 4,318	\$ 4,287	\$ 7,185	\$ 124	\$ -	\$ 128	\$ 111	\$ -	\$ 1,195	\$ 856	\$ 998	\$ 606	\$ 268	\$ 4,287	\$ 0	\$ 28	\$ 4,315	\$ 3	\$ 498	\$ 501	\$ 2,369
C3 - Municipal Energy Solutions	\$ 1,089	\$ 977	\$ 1,314	\$ 203	\$ -	\$ 194	\$ 168	\$ -	\$ 37	\$ 18	\$ 215	\$ 125	\$ 16	\$ 977	\$ 100	\$ -	\$ 1,077	\$ 12	\$ -	\$ 12	\$ 225
C5 - C&I Active Demand Response	\$ 642	\$ 642	\$ 706	\$ 41	\$ -	\$ 276	\$ 239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86	\$ 642	\$ -	\$ -	\$ 642	\$ -	\$ 64	\$ 64	\$ (0)
C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 13,112	\$ 12,935	\$ 20,469	\$ 789	\$ -	\$ 1,024	\$ 887	\$ -	\$ 2,599	\$ 1,928	\$ 2,924	\$ 1,981	\$ 803	\$ 12,935	\$ 115	\$ 45	\$ 13,095	\$ 17	\$ 1,257	\$ 1,274	\$ 6,100
Total	\$ 26,164	\$ 16,734	\$ 36,371	\$ 1,297	\$ -	\$ 1,576	\$ 1,365	\$ -	\$ 3,321	\$ 2,618	\$ 3,302	\$ 2,276	\$ 977	\$ 16,733	\$ 6,660	\$ 633	\$ 24,027	\$ 472	\$ 4,440	\$ 4,912	\$ 7,433

Portfolio Planned Versus Actual Performance - 2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	218,108,688	141,770,647		-	1.925%	-	\$ 229,182	\$ 286,477	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	20,315,482	13,205,063		-	0.550%	-	\$ 65,481	\$ 81,851	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,328	863		-	0.495%	-	\$ 58,932	\$ 73,666	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	1,310	852		-	0.330%	-	\$ 39,288	\$ 49,110	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	2,950	1,918		-	0.275%	-	\$ 33,333	\$ 41,666	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 24,026,617			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 11,905,554			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 12,121,063	\$ 7,878,691	\$ -	-	1.925%	-	\$ 229,182	\$ 286,477	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 655,398	\$ 819,248	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 26,163,878		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 655,398	\$ -	from row 8 above
12 Total Utility Costs	\$ 11,905,554	\$ -	from row 6 above
13 Portfolio GST BCR	2.08	-	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$698,059.45.

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.

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	2.10	0.16	2.15	12,426.8	945.6	12,739.2	5,922.2	-	850.8	8,043.9	176.0	151.1	482	13,461.0	274,699.2
A1 - Energy Star Homes	3.03	0.30	3.73	3,684.4	361.4	5,721.7	1,214.2	318.3	217.5	4,993.2	49.0	4.8	176	4,220.0	98,750.0
A2 - Home Performance with Energy Star	2.16	0.30	2.61	3,949.5	551.7	5,797.4	1,830.8	393.0	229.7	4,481.4	59.8	52.0	196	5,646.7	115,078.2
A3 - Energy Star Products	2.85	1.80	3.68	11,960.8	7,525.2	18,311.2	4,192.1	778.4	7,846.5	60,469.3	1,456.2	1,421.9	122,473	8,893.5	131,933.9
A4 - Residential Behavior	1.34	1.34	2.37	745.3	745.3	1,313.0	555.1	-	6,952.0	6,952.0	1,205.7	777.7	22,700	-	-
A5 - Residential Active Demand Response	1.02	1.02	1.12	125.2	125.2	137.7	122.7	-	-	-	-	-	563	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-	-	-	-	-	51.7	-	-	-	-	-	-	-	-
A6c - Res Education	-	-	-	-	-	-	89.2	-	-	-	-	-	-	-	-
A6d - Energy Optimization Pilot	-	-	-	-	-	-	204.7	-	-	-	-	-	-	-	-
Sub-Total Residential	2.32	0.72	2.81	32,892.0	10,254.5	44,020.2	14,182.9	1,489.7	16,096.6	84,939.8	2,946.5	2,407.5	146,589	32,221.2	620,461.3
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	1.86	1.85	1.88	17,103.6	17,022.1	27,922.0	9,179.2	5,689.9	22,985.8	297,218.2	900.4	989.7	524	396.6	3,966.2
C2 - Small Business Energy Solutions	1.94	1.93	2.31	13,006.5	12,932.0	21,871.1	6,704.3	2,777.5	13,235.9	158,662.6	795.4	555.1	1,161	407.3	5,862.6
C3 - Municipal Energy Solutions	5.45	4.99	6.09	3,236.1	2,963.5	4,365.2	594.1	122.2	1,061.4	19,438.6	30.5	392.0	33	500.0	12,500.0
C5 - C&I Active Demand Response	3.50	3.50	3.85	1,626.1	1,626.1	1,788.3	464.0	-	-	-	-	-	69	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-	-	-	-	-	61.9	-	-	-	-	-	-	-	-
C6c - C&I Education	-	-	-	-	-	-	206.3	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.03	2.01	2.17	34,972.2	34,543.7	55,946.6	17,209.8	8,589.6	37,283.1	475,319.4	1,726.3	1,936.8	1,787	1,303.9	22,328.8
Total	2.16	1.43	2.41	67,864.3	44,798.2	99,966.7	31,392.6	10,079.2	53,379.7	560,259.2	4,672.8	4,344.4	148,376	33,525.1	642,790.0

Notes:

- (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
- (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Annual kWh Savings	53,379,655	84.5%	kWh > 55%	Lifetime kWh Savings	560,259,191	74.8%	kWh > 55%
Annual MMBTU Savings (in kWh)	9,825,230	15.5%		Lifetime MMBTU Savings (in kWh)	188,383,170	25.2%	
	63,204,885	100.0%			748,642,362	100.0%	

Cumulative Savings as a % of 2019 Sales	4.59%
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Spending per Cus	1.75% Low-Income	\$ 1,303.01
	Residential	\$ 136.79
	C&I	\$ 1,546.67

Portfolio Planned Versus Actual Performance - 2021-2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	560,259,191	364,168,474		-	1.925%	-	\$ 604,308	\$ 755,385	\$ -	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	53,379,655	34,696,776		-	0.550%	-	\$ 172,659	\$ 215,824	\$ -	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	4,344	2,824		-	0.495%	-	\$ 155,393	\$ 194,242	\$ -	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	4,673	3,037		-	0.330%	-	\$ 103,596	\$ 129,495	\$ -	Planned and Actual from Cost Eff Tab
5 Active Demand kW	7,285	4,735		-	0.275%	-	\$ 87,775	\$ 109,719	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 63,310,791			-						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 31,392,612			-						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 31,918,179	\$ 20,746,817	\$ -	-	1.925%	-	\$ 604,308	\$ 755,385	\$ -	Line 5 minus line 6
9 Total					5.500%	-	\$ 1,728,039	\$ 2,160,049	\$ -	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 67,864,261		Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 1,728,039	\$ -	from row 8 above
12 Total Utility Costs	\$ 31,392,612	\$ -	from row 6 above
13 Portfolio GST BCR	2.05	-	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$1,420,443.51.

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.

Home Energy Assistance			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
B1a - HEA (Weatherization)	Air Sealing, Electric	E21B1a002	4	4	5	3.6	4.0	4.4	54.6	60.1	66.1	1.2	1.3	1.4	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Gas	E21B1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Air Sealing, Kerosene	E21B1a004	20	24	30	1.8	2.2	2.7	27.3	32.8	41.0	-	-	-	-	-	-	145.6	174.7	218.4	2,184.0	2,620.8	3,276.0
B1a - HEA (Weatherization)	Air Sealing, Oil	E21B1a005	40	50	55	3.6	4.6	5.0	54.6	68.3	75.1	-	-	-	-	-	-	364.0	455.0	500.5	5,460.0	6,825.0	7,507.5
B1a - HEA (Weatherization)	Air Sealing, Propane	E21B1a006	60	90	100	5.5	8.2	9.1	81.9	122.9	136.5	-	-	-	-	-	-	546.0	819.0	910.0	8,190.0	12,285.0	13,650.0
B1a - HEA (Weatherization)	Air Sealing, Wood Pellets	E21B1a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Electric	E21B1a009	30	45	60	1.3	1.9	2.6	9.0	13.4	17.9	0.3	0.4	0.5	0.1	0.1	0.2	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Gas	E21B1a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Kerosene	E21B1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Faucet Aerator, Oil	E21B1a012	50	60	80	-	-	-	-	-	-	-	-	-	-	-	-	7.1	8.5	11.4	49.7	59.6	79.5
B1a - HEA (Weatherization)	Faucet Aerator, Propane	E21B1a013	65	50	55	-	-	-	-	-	-	-	-	-	-	-	-	9.2	7.1	7.8	64.6	49.7	54.7
B1a - HEA (Weatherization)	Hand Held Showerhead, Electric	E21B1a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	E21B1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Kerosene	E21B1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Oil	E21B1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Hand Held Showerhead, Propane	E21B1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Electric	E21B1a023	4	4	5	9.1	10.0	11.0	227.5	250.3	275.3	2.9	3.2	3.5	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Gas	E21B1a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Kerosene	E21B1a025	20	24	30	2.7	3.3	4.1	68.3	81.9	102.4	-	-	-	1.5	1.8	2.3	218.4	262.1	327.6	5,460.0	6,552.0	8,190.0
B1a - HEA (Weatherization)	Insulation, Oil	E21B1a026	40	50	55	5.5	6.8	7.5	136.5	170.6	187.7	-	-	-	3.0	3.8	4.1	546.0	682.5	750.8	13,650.0	17,062.5	18,768.8
B1a - HEA (Weatherization)	Insulation, Propane	E21B1a027	60	90	100	8.2	12.3	13.7	204.8	307.1	341.3	-	-	-	4.5	6.8	7.5	819.0	1,228.5	1,365.0	20,475.0	30,712.5	34,125.0
B1a - HEA (Weatherization)	Insulation, Wood Pellets	E21B1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Electric	E21B1a030	3	4	-	0.4	0.5	-	2.8	3.7	-	0.1	0.1	-	0.0	0.0	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	E21B1a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Kerosene	E21B1a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Oil	E21B1a033	5	6	8	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.5	4.6	20.2	24.2	32.3
B1a - HEA (Weatherization)	Low Flow Showerhead, Propane	E21B1a034	8	10	12	-	-	-	-	-	-	-	-	-	-	-	-	4.6	5.8	6.9	32.3	40.3	48.4
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Electric	E21B1a037	15	16	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	E21B1a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Kerosene	E21B1a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Oil	E21B1a040	20	25	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Propane	E21B1a041	30	45	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	DHW Heat Pump Water Heater	E21B1a043	5	8	10	8.3	13.2	16.5	107.5	172.1	215.1	1.1	1.7	2.2	0.4	0.7	0.8	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	E21B1a044	870	505	253	27.9	16.2	8.1	55.9	32.5	16.2	20.1	11.7	5.8	13.0	7.5	3.8	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Linear	E21B1a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Other Specialty	E21B1a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Reflector	E21B1a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Fixture	E21B1a048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Refrigerator	E21B1a049	150	75	75	106.5	53.2	53.2	1,277.6	638.8	638.8	12.2	6.1	6.1	14.9	7.5	7.5	-	-	-	-	-	-
B1a - HEA (Weatherization)	Freezer	E21B1a050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Clothes Washer	E21B1a051	10	11	15	0.8	0.9	1.2	8.9	9.8	13.4	0.1	0.1	0.2	0.1	0.1	0.2	2.4	2.7	3.7	26.9	29.6	40.4
B1a - HEA (Weatherization)	Clothes Dryer	E21B1a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Dehumidifier	E21B1a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Room Air Conditioner	E21B1a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Triple Pane Window	E21B1a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Visual Audit	E21B1a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - SF	E21B1a057	50	75	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - MF	E21B1a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Income Kits	E21B1a059	-	1,500	2,500	-	123.3	205.4	-	246.5	410.9	-	26.6	44.3	-	17.2	28.6	-	-	-	-	-	-

ES Homes			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A1a - ES Homes	Cooling, Electric, SF	E21A1a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Electric, SF	E21A1a002	2	3	4	4.0	5.7	7.2	100.0	142.5	180.0	1.1	1.5	2.2	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, SF	E21A1a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Oil, SF	E21A1a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Propane, SF	E21A1a005	18	22	27	-	-	-	-	-	-	-	-	-	-	-	-	450.0	412.5	337.5	11,250.0	10,312.5	8,437.5
A1a - ES Homes	Heating, Wood Pellets, SF	E21A1a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Electric, SF	E21A1a007	50	-	-	12.5	-	-	187.5	-	-	2.5	-	-	0.9	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Gas, SF	E21A1a008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Oil, SF	E21A1a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Propane, SF	E21A1a010	18	22	27	-	5.5	5.4	-	82.5	81.0	-	-	-	-	-	-	54.0	66.0	81.0	810.0	990.0	1,215.0
A1a - ES Homes	Hot Water, Wood Pellets, SF	E21A1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Cooling, Electric, MF	E21A1a012	25	28	30	1.6	1.8	2.0	40.6	45.5	48.8	-	-	-	0.9	1.0	1.1	-	-	-	-	-	-
A1a - ES Homes	Heating, Electric, MF	E21A1a013	25	28	30	45.0	50.4	54.0	1,125.0	1,260.0	1,350.0	12.2	13.7	14.7	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, MF	E21A1a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Oil, MF	E21A1a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Heating, Propane, MF	E21A1a016	50	53	55	-	-	-	-	-	-	-	-	-	-	-	-	1,000.0	795.0	550.0	25,000.0	19,875.0	13,750.0
A1a - ES Homes	Heating, Wood Pellets, MF	E21A1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Electric, MF	E21A1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Gas, MF	E21A1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Oil, MF	E21A1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Hot Water, Propane, MF	E21A1a021	50	53	55	-	8.0	5.5	-	119.3	82.5	-	-	-	-	-	-	150.0	159.0	165.0	2,250.0	2,385.0	2,475.0
A1a - ES Homes	Hot Water, Wood Pellets, MF	E21A1a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	LED Bulb	E21A1a023	75	-	-	0.5	-	-	1.4	-	-	0.6	-	-	0.4	-	-	-	-	-	-	-	-
A1a - ES Homes	LED Fixture	E21A1a024	25	-	-	0.1	-	-	0.4	-	-	0.2	-	-	0.1	-	-	-	-	-	-	-	-
A1a - ES Homes	Refrigerator	E21A1a025	20	20	23	0.8	0.8	0.9	9.8	9.8	11.3	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	-
A1a - ES Homes	Clothes Washer	E21A1a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Clothes Dryer	E21A1a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	HERS - Lighting and Appliances	E21A1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A1a - ES Homes	Residential New Construction Code Compli	E21A1a029	1	1	1	-	-	5.8	-	-	115.2	-	-	-	-	-	-	-	-	-	-	-	-
ES Homes Subtotal						64.6	72.2	80.8	1,464.8	1,659.6	1,868.8	16.7	15.3	16.9	2.5	1.1	1.2	1,654.0	1,432.5	1,133.5	39,310.0	33,562.5	25,877.5

Home Performance with Energy Star			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A2a - HPwES (Weatherizat	Air Sealing, Electric	E21A2a002	6	7	9	11.9	14.3	17.1	178.2	213.8	256.6	3.8	4.5	5.4	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Air Sealing, Gas	E21A2a003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Air Sealing, Kerosene	E21A2a004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Air Sealing, Oil	E21A2a005	30	36	43	3.2	3.8	4.6	47.5	57.0	68.4	-	-	-	1.7	2.1	2.5	297.0	356.4	427.7	4,455.0	5,346.0	6,415.2
A2a - HPwES (Weatherizat	Air Sealing, Propane	E21A2a006	18	22	25	1.9	2.3	2.6	28.5	34.8	39.6	-	-	-	1.0	1.3	1.5	178.2	217.8	247.5	2,673.0	3,267.0	3,712.5
A2a - HPwES (Weatherizat	Air Sealing, Wood Pellets	E21A2a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Faucet Aerator, Electric	E21A2a009	10	12	15	0.5	0.6	0.7	3.2	3.9	4.9	0.1	0.1	0.1	0.0	0.0	0.1	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Faucet Aerator, Gas	E21A2a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Faucet Aerator, Kerosene	E21A2a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Faucet Aerator, Oil	E21A2a012	40	8	10	-	-	-	-	-	-	-	-	-	-	-	-	6.2	1.2	1.5	43.2	8.6	10.8
A2a - HPwES (Weatherizat	Faucet Aerator, Propane	E21A2a013	25	14	18	-	-	-	-	-	-	-	-	-	-	-	-	3.9	2.2	2.8	27.0	15.1	19.5
A2a - HPwES (Weatherizat	Hand Held Showerhead, Electric	E21A2a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Hand Held Showerhead, Gas	E21A2a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Hand Held Showerhead, Kerosene	E21A2a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Hand Held Showerhead, Oil	E21A2a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Hand Held Showerhead, Propane	E21A2a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Insulation, Electric	E21A2a023	6	7	9	23.8	28.5	34.2	594.0	712.8	855.4	7.5	9.1	10.9	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Insulation, Gas	E21A2a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Insulation, Kerosene	E21A2a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Insulation, Oil	E21A2a026	30	36	43	8.9	10.7	12.8	222.8	267.3	320.8	-	-	-	4.9	5.9	7.1	415.8	499.0	598.8	10,395.0	12,474.0	14,968.8
A2a - HPwES (Weatherizat	Insulation, Propane	E21A2a027	18	22	25	5.3	6.5	7.4	133.7	163.4	185.6	-	-	-	2.9	3.6	4.1	249.5	304.9	346.5	6,237.0	7,623.0	8,662.5
A2a - HPwES (Weatherizat	Insulation, Wood Pellets	E21A2a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Low Flow Showerhead, Electric	E21A2a030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Low Flow Showerhead, Gas	E21A2a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Low Flow Showerhead, Kerosene	E21A2a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Low Flow Showerhead, Oil	E21A2a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Low Flow Showerhead, Propane	E21A2a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Pipe Insulation - Hot Water, Electric	E21A2a037	3	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Pipe Insulation - Hot Water, Gas	E21A2a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Pipe Insulation - Hot Water, Kerosene	E21A2a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Pipe Insulation - Hot Water, Oil	E21A2a040	20	30	40	-	-	-	-	-	-	-	-	-	-	-	-	4.0	5.9	7.9	59.4	89.1	118.8
A2a - HPwES (Weatherizat	Pipe Insulation - Hot Water, Propane	E21A2a041	12	15	25	-	-	-	-	-	-	-	-	-	-	-	-	2.4	3.0	5.0	35.6	44.6	74.3
A2a - HPwES (Weatherizat	DHW Heat Pump Water Heater	E21A2a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	LED Bulb, General Service Lamps	E21A2a044	432	216	-	15.1	7.5	-	30.2	15.1	-	10.9	5.4	-	7.0	3.5	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	LED Bulb, Linear	E21A2a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	LED Bulb, Other Specialty	E21A2a046	30	-	-	1.5	-	-	3.0	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	LED Bulb, Reflector	E21A2a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	LED Fixture	E21A2a048	40	-	-	1.5	-	-	3.0	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Refrigerator	E21A2a049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Freezer	E21A2a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Clothes Washer	E21A2a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Clothes Dryer	E21A2a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Dehumidifier	E21A2a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Room Air Conditioner	E21A2a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Triple Pane Window	E21A2a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Visual Audit Oil Savings	E21A2a050	40	60	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Visual Audit Propane Savings	E21A2a051	25	35	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2a - HPwES (Weatherizat	Visual Audit Electric Savings	E21A2a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

A2b - HPwES (HVAC System)	Boiler Replacement, Gas	E21A2b001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Boiler Replacement, Kerosene	E21A2b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Boiler Replacement, Oil	E21A2b003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Boiler Replacement, Propane	E21A2b004	2	15	18	-	-	-	-	-	-	-	-	-	-	-	-	36.4	273.2	327.9	910.8	6,831.0	8,197.2
A2b - HPwES (HVAC System)	Furnace Replacement, Gas	E21A2b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Furnace Replacement, Kerosene	E21A2b006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Furnace Replacement, Oil	E21A2b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Furnace Replacement, Propane	E21A2b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Electric	E21A2b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Gas	E21A2b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Kerosene	E21A2b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Oil	E21A2b012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Propane	E21A2b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Programmable Thermostat, Wood Pellets	E21A2b014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Wifi Thermostat, Electric	E21A2b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Wifi Thermostat, Gas	E21A2b016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Wifi Thermostat, Kerosene	E21A2b017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A2b - HPwES (HVAC System)	Wifi Thermostat, Oil	E21A2b018	20	30	40	0.4	0.5	0.7	5.3	8.0	10.7	-	-	-	0.2	0.3	0.4	116.8	175.2	233.6	1,752.3	2,628.5	3,504.6
A2b - HPwES (HVAC System)	Wifi Thermostat, Propane	E21A2b019	12	15	25	0.2	0.3	0.4	3.2	4.0	6.7	-	-	-	0.1	0.1	0.2	68.9	86.1	143.6	1,033.6	1,292.0	2,153.3
A2b - HPwES (HVAC System)	Wifi Thermostat, Wood Pellets	E21A2b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Home Performance with Energy Star Subtotal						74.1	75.0	80.6	1,252.6	1,480.2	1,748.6	24.2	19.1	16.4	19.3	16.9	15.8	1,379.0	1,925.0	2,342.7	27,622.0	39,618.8	47,837.4

ES Products			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A3a - ES Lighting	LED Bulb, General Service Lamps	E21A3a001	110,000	80,000	-	940.1	476.5		2,820.4	1,429.6		203.0	102.9		130.9	66.4		-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear	E21A3a002	1,000	500	250	2.8	1.0	0.3	27.9	9.7	2.5	0.6	0.2	0.1	0.4	0.1	0.0	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty	E21A3a003	36,000	20,000	10,000	344.9	133.5	37.7	1,034.6	400.6	75.5	74.4	28.8	8.1	48.0	18.6	5.3	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector	E21A3a004	40,000	10,000	-	424.0	73.9		848.0	147.8		91.5	15.9		59.0	10.3		-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, General Service Lamps (Hard to Reach)	E21A3a005	12,000	8,000	5,000	164.7	89.1	42.7	494.2	267.3	85.5	35.6	19.2	9.2	22.9	12.4	6.0	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Linear (Hard to Reach)	E21A3a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Other Specialty (Hard to Reach)	E21A3a007	4,800	6,000	8,000	73.8	74.9	76.6	221.5	224.7	153.3	15.9	16.2	16.5	10.3	10.4	10.7	-	-	-	-	-	-
A3a - ES Lighting	LED Bulb, Reflector (Hard to Reach)	E21A3a008	2,400	3,000	3,500	40.9	41.4	37.1	81.7	82.9	37.1	8.8	8.9	8.0	5.7	5.8	5.2	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture	E21A3a009	12,000	6,000	4,000	95.1	33.2	12.5	285.4	99.5	25.0	20.5	7.2	2.7	13.2	4.6	1.7	-	-	-	-	-	-
A3a - ES Lighting	LED Fixture (Hard to Reach)	E21A3a010	2,400	4,000	4,000	30.6	41.3	31.7	91.7	124.0	63.4	6.6	8.9	6.8	4.3	5.8	4.4	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier I	E21A3b001	250	313	375	19.9	24.9	29.9	99.6	124.5	149.4	1.6	2.0	2.4	1.1	1.4	1.6	-	-	-	-	-	-
A3b - ES Appliances	Advanced Power Strip, Tier II	E21A3b002	250	313	375	29.6	37.0	44.4	148.1	185.1	222.1	2.6	3.3	4.0	1.8	2.2	2.7	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (cooling)	E21A3b003	4	5	6	0.9	1.1	1.3	15.8	19.8	23.8	-	-	-	0.5	0.6	0.7	-	-	-	-	-	-
A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (heating)	E21A3b004	4	5	6	8.3	10.4	12.5	150.3	187.8	225.4	2.7	3.3	4.0	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (cooling)	E21A3b005	325	406	488	33.5	41.8	50.2	602.1	752.7	903.2	-	-	-	29.0	36.2	43.5	-	-	-	-	-	-
A3c - ES HVAC Systems	Mini Split HP- Lost Opportunity (heating)	E21A3b006	325	406	488	106.7	133.4	160.0	1,920.6	2,400.7	2,880.8	89.6	112.0	134.4	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal	E21A3b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal	E21A3b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Heat Pump Swimming Pool Heater	E21A3b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Dryers	E21A3b010	600	750	900	96.2	120.3	144.4	1,154.9	1,443.6	1,732.3	16.4	20.5	24.6	12.6	15.8	18.9	-	-	-	-	-	-
A3b - ES Appliances	Dryer Heat Pump	E21A3b011	10	13	15	4.2	5.3	6.3	50.5	63.2	75.8	0.7	0.9	1.1	0.6	0.7	0.8	-	-	-	-	-	-
A3b - ES Appliances	Dryer Hybrid	E21A3b012	35	44	53	7.5	9.3	11.2	89.6	112.0	134.4	1.3	1.6	1.9	1.0	1.2	1.5	-	-	-	-	-	-
A3c - ES HVAC Systems	ECM Motor for FWH Circulating Pump - Mid	E21A3b013	50	63	75	2.3	2.9	3.5	42.2	52.8	63.3	0.4	0.6	0.7	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	ECM Motors for FHA Furnace Fans	E21A3b014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	ES AC (central) 3 ton	E21A3b015	8	10	12	1.6	2.0	2.4	22.4	28.0	33.6	-	-	-	1.4	1.8	2.2	-	-	-	-	-	-
A3c - ES HVAC Systems	Room Air Conditioner	E21A3b016	500	750	900	8.0	12.0	14.4	64.0	96.0	115.2	-	-	-	15.6	23.4	28.0	-	-	-	-	-	-
A3b - ES Appliances	ES Clothes Washers	E21A3b017	800	1,000	1,200	70.9	88.7	106.4	993.1	1,241.4	1,489.7	10.0	12.5	14.9	9.4	11.8	14.1	215.2	269.0	322.8	3,012.8	3,766.0	4,519.2
A3b - ES Appliances	Washer Tier CEE Tier 2+	E21A3b018	400	500	600	62.4	78.0	93.5	873.0	1,091.3	1,309.6	8.8	10.9	13.1	8.3	10.3	12.4	176.4	220.5	264.6	2,469.6	3,087.0	3,704.4
A3b - ES Appliances	ES Dehumidifier	E21A3b019	500	625	750	72.3	90.3	108.4	867.0	1,083.8	1,300.5	2.9	3.6	4.4	13.9	17.3	20.8	-	-	-	-	-	-
A3b - ES Appliances	ES Dishwasher	E21A3b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	ES Freezers	E21A3b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator	E21A3b022	1,000	1,100	1,200	41.0	45.1	49.2	492.0	541.2	590.4	4.7	5.2	5.6	5.7	6.3	6.9	-	-	-	-	-	-
A3b - ES Appliances	Refrigerator CEE Tier 2+	E21A3b023	300	375	450	28.9	36.2	43.4	347.0	433.8	520.6	3.3	4.1	5.0	4.1	5.1	6.1	-	-	-	-	-	-
A3b - ES Appliances	ES Pool Pumps (Variable Speed)	E21A3b024	150	188	225	159.3	199.1	239.0	1,593.0	1,991.3	2,389.5	-	-	-	92.1	115.1	138.1	-	-	-	-	-	-
A3b - ES Appliances	Room Air Purifier	E21A3b025	800	1,000	1,200	312.4	390.5	468.6	2,811.6	3,514.5	4,217.4	35.7	44.6	53.5	35.7	44.6	53.5	-	-	-	-	-	-
A3c - ES HVAC Systems	Wifi Thermostat (Heating & Cooling)	E21A3b026	300	375	450	7.5	9.3	11.2	111.9	139.8	167.8	-	-	-	4.1	5.1	6.2	1,980.0	2,475.0	2,970.0	29,700.0	37,125.0	44,550.0
A3b - ES Appliances	Primary Refrigerator Recycling	E21A3b027	150	188	225	73.7	92.2	110.6	589.9	737.4	884.9	8.4	10.5	12.6	10.3	12.9	15.5	-	-	-	-	-	-
A3b - ES Appliances	Secondary Refrigerator Recycling	E21A3b028	10	13	15	7.6	9.4	11.3	60.4	75.5	90.6	0.7	0.9	1.1	1.2	1.5	1.8	-	-	-	-	-	-
A3b - ES Appliances	Secondary Freezer Recycling	E21A3b029	25	31	38	16.5	20.6	24.7	131.6	164.5	197.4	1.6	2.0	2.4	2.2	2.7	3.3	-	-	-	-	-	-
A3b - ES Appliances	Room Air Conditioner Recycling	E21A3b030	45	56	68	0.7	0.9	1.1	3.6	4.6	5.5	-	-	-	0.4	0.5	0.6	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit Res	E21A3b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit HP	E21A3b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit HP	E21A3b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit Resistance	E21A3b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3b - ES Appliances	DHW Heat Pump Water Heater 50 gal - Mid	E21A3b035	50	63	75	37.0	46.6	55.5	481.0	606.0	721.5	6.1	7.7	9.1	3.4	4.2	5.0	-	-	-	-	-	-
A3b - ES Appliances	DHW Heat Pump Water Heater 80 gal - Mid	E21A3b036	15	-	-	6.5	-	-	84.8	-	-	1.1	-	-	0.6	-	-	-	-	-	-	-	-

Residential Behavior			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A4a - Residential Behavior	Home Energy Reports	E21A4a001	22,700	22,700	22,700	1,749.0	2,087.0	3,116.0	1,749.0	2,087.0	3,116.0	377.6	450.5	377.6	243.5	290.6	243.5	-	-	-	-	-	-

Large Business Energy Solutions			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1a - LCI Retrofit	Custom Large Compressed Air Retro	E21C1a001	3	4	5	228.3	289.2	342.5	2,968.5	3,760.0	4,452.7	37.3	49.8	62.2	44.6	59.4	74.3	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Hot Water Retro	E21C1a002	5	6	8	266.4	303.7	383.6	2,664.0	3,037.0	3,836.2	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large HVAC Retro	E21C1a003	1	2	3	69.9	132.9	799.2	1,049.0	1,993.0	7,992.0	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Lighting Retro - Interior	E21C1a004	15	18	20	399.6	455.5	479.5	3,996.0	4,555.4	4,795.2	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Lighting Retro - Exterior	E21C1a047	8	8	8	213.1	202.5	191.8	2,131.2	2,024.6	1,918.1	42.7	40.5	42.7	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Lighting Retro - Controls	E21C1a048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Motors Retro	E21C1a005	3	4	6	214.1	271.2	385.3	2,782.9	3,525.0	5,009.3	35.7	47.6	71.4	35.7	47.6	71.4	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Process Retro	E21C1a006	5	6	9	555.0	632.7	899.1	7,215.0	8,225.1	11,688.3	5.6	6.7	10.0	45.4	54.4	81.7	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Refrigeration Retro	E21C1a007	4	5	8	399.6	474.5	719.3	5,194.8	6,168.8	9,350.6	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Custom Large Other Retro	E21C1a008	15	25	37	1,498.5	2,372.6	3,326.7	19,480.5	30,844.1	43,246.7	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Daylight Dimming	E21C1a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C1a010	15	25	15	66.2	110.3	66.2	926.5	1,544.1	926.5	13.2	22.1	13.2	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C1a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C1a012	2,000	1,500	1,200	894.7	671.1	536.8	10,736.8	8,052.6	6,442.1	109.2	81.9	65.5	143.2	107.4	85.9	-	-	-	-	-	-
C1a - LCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C1a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Lighting Occupancy Sensors	E21C1a014	200	1,000	1,200	31.4	156.9	188.3	282.5	1,412.5	1,695.0	0.4	2.0	2.4	0.5	2.4	2.8	-	-	-	-	-	-
C1a - LCI Retrofit	Boiler Reset Controls, Electric	E21C1a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Case Motor Replacement	E21C1a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Cooler Night Cover	E21C1a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Demand Control Ventilation	E21C1a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Door Heater Controls	E21C1a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C1a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Duct Sealing, Electric	E21C1a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Ductless Mini Split Heat Pump	E21C1a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	ECM Evaporator Fan Motors for Walk-in Co	E21C1a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Electronic Defrost Control	E21C1a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Energy Management System, Electric	E21C1a025	2	3	4	79.5	87.4	122.4	1,033.1	1,136.4	1,590.9	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C1a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Evaporator Fan Control	E21C1a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Faucet Aerator, Electric	E21C1a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Hotel Occupancy Sensor	E21C1a031	65	75	100	28.4	32.8	43.8	284.4	328.2	437.6	-	-	-	-	-	-	107.4	123.9	165.3	1,074.2	1,239.4	1,652.6
C1a - LCI Retrofit	Low Pressure Drop Filter	E21C1a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Low-Flow Showerhead With Thermostatic V	E21C1a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Low-Flow Showerhead, Electric	E21C1a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Motors, Open Drip	E21C1a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C1a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Novelty Cooler Shutoff	E21C1a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Pipe Wrap - Heating, Electric	E21C1a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C1a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Pre Rinse Spray Valve, Electric	E21C1a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Programmable Thermostat, Electric	E21C1a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Steam Trap, Electric	E21C1a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Variable Frequency Drive	E21C1a043	5	8	10	0.5	0.8	1.0	7.5	12.0	15.0	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Variable Frequency Drive with Motor	E21C1a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Vending Miser	E21C1a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1a - LCI Retrofit	Zero Loss Condensate Drain	E21C1a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

C1b - LCI New Equipment	Custom Large Compressed Air New	E21C1b001	2	3	4	133.2	189.8	239.8	1,598.4	2,277.7	2,877.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Hot Water New	E21C1b002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large HVAC New	E21C1b003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Lighting New - Interior	E21C1b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Lighting New - Exterior	E21C1b054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Lighting New - Controls	E21C1b055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Motors New	E21C1b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Process New	E21C1b006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Refrigeration New	E21C1b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Other New	E21C1b008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Custom Large Comprehensive Design	E21C1b052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Daylight Dimming	E21C1b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C1b010	85	75	65	25.0	22.1	19.1	375.4	331.3	287.1	5.0	4.4	3.8	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Performance Lighting - Exterior w/o Control	E21C1b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Performance Lighting - Interior w/ Controls	E21C1b012	100	100	75	50.0	50.0	37.5	750.0	750.0	562.5	6.1	6.1	4.6	8.0	8.0	6.0	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Performance Lighting - Interior w/o Controls	E21C1b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Lighting Occupancy Sensors	E21C1b014	35	3,000	3,500	2.9	250.0	291.7	29.2	2,500.0	2,916.7	0.0	3.3	3.8	0.0	3.8	4.4	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Advanced Power Strip	E21C1b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Air Compressor	E21C1b016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Air Nozzle	E21C1b017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Circulator Pump	E21C1b018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Combination Oven, Electric	E21C1b019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Compressor Storage	E21C1b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Convection Oven, Electric	E21C1b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Door Type	E21C1b022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Multi Tank Convey	E21C1b023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C1b024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Single Tank Conve	E21C1b025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - High Temp Under Counter	E21C1b026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Door Type	E21C1b027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Multi Tank Convey	E21C1b028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Single Tank Conve	E21C1b029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Dishwasher - Low Temp Under Counter	E21C1b030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Faucet Aerator, Electric	E21C1b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Fryer Large Vat, Electric	E21C1b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Fryer Standard Vat, Electric	E21C1b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Griddle, Electric	E21C1b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ground Source Heat Pump	E21C1b035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C1b036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet Full Size	E21C1b037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Hot Food Holding Cabinet Half Size	E21C1b038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Ice Making Head	E21C1b039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Bat	E21C1b040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Co	E21C1b041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Ice Machine - Self Contained	E21C1b042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low Pressure Drop Filter	E21C1b043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low-Flow Showerhead With Thermostatic V	E21C1b044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Low-Flow Showerhead, Electric	E21C1b045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Pre Rinse Spray Valve, Electric	E21C1b046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Refrigerated Air Dryer	E21C1b047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Steam Cooker, Electric	E21C1b048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Unitary Air Conditioner	E21C1b049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Water Source Heat Pump	E21C1b050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	Zero Loss Condensate Drain	E21C1b051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	High Efficiency Chiller - FL	E21C1b052	10	20	25	249.8	499.5	624.4	5,744.3	11,488.5	14,360.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	High Efficiency Chiller - IPLV	E21C1b053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment	C&I Large New Construction Code Complia	E21C1b057	1	1	1	-	-	17.8	-	-	355.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Small Business Energy Solutions			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2a - SCI Retrofit	Custom Small Compressed Air Retro	E21C2a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Hot Water Retro	E21C2a002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small HVAC Retro	E21C2a003	5	8	13	75.0	114.0	175.5	1,875.0	2,850.0	4,387.5	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Lighting Retro - Interior	E21C2a004	25	70	75	476.2	1,266.7	1,071.4	4,761.9	12,666.7	10,714.3	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Lighting Retro - Exterior	E21C2a047	15	15	10	400.0	380.0	200.0	3,600.0	3,420.0	1,800.0	80.0	76.0	53.3	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Lighting Retro - Controls	E21C2a048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Motors Retro	E21C2a005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Process Retro	E21C2a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Refrigeration Retro	E21C2a007	12	15	25	48.0	57.0	90.0	576.0	684.0	1,080.0	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Other Retro	E21C2a008	25	35	50	714.3	950.0	1,285.7	9,285.7	11,400.0	15,428.6	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Daylight Dimming	E21C2a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C2a010	100	5	5	20.3	1.0	1.0	283.7	14.2	14.2	4.1	0.2	0.2	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C2a011	200	4	4	201.6	4.0	4.0	2,822.4	56.4	56.4	40.3	0.8	0.8	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C2a012	3,500	75	75	630.0	13.5	13.5	7,560.0	162.0	162.0	76.9	1.6	1.6	100.8	2.2	2.2	-	-	-	-	-	-
C2a - SCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C2a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Lighting Occupancy Sensors	E21C2a014	500	-	-	78.5	-	-	706.3	-	-	1.0	-	-	1.2	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Boiler Reset Controls, Electric	E21C2a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Case Motor Replacement	E21C2a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Cooler Night Cover	E21C2a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Demand Control Ventilation	E21C2a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Door Heater Controls	E21C2a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C2a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Duct Sealing, Electric	E21C2a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Ductless Mini Split Heat Pump	E21C2a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	ECM Evaporator Fan Motors for Walk-in Co	E21C2a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Electronic Defrost Control	E21C2a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Energy Management System, Electric	E21C2a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C2a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Evaporator Fan Control	E21C2a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Faucet Aerator, Electric	E21C2a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Hotel Occupancy Sensor	E21C2a031	100	-	-	43.8	-	-	438.0	-	-	-	-	-	-	-	-	165.3	-	-	1,652.6	-	-
C2a - SCI Retrofit	Low Pressure Drop Filter	E21C2a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Low-Flow Showerhead With Thermostatic V	E21C2a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Low-Flow Showerhead, Electric	E21C2a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Motors, Open Drip	E21C2a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C2a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Novelty Cooler Shutoff	E21C2a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pipe Wrap - Heating, Electric	E21C2a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C2a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pre Rinse Spray Valve, Electric	E21C2a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Programmable Thermostat, Electric	E21C2a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Steam Trap, Electric	E21C2a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Variable Frequency Drive	E21C2a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Variable Frequency Drive with Motor	E21C2a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Vending Miser	E21C2a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Zero Loss Condensate Drain	E21C2a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

C2b - SCI New Equipment	Custom Small Compressed Air New	E21C2b001	2	3	4	59.3	88.9	118.5	770.4	1,155.6	1,540.7	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Hot Water New	E21C2b002	4	5	6	53.3	63.3	64.0	800.0	950.0	960.0	10.5	12.5	15.7	4.0	4.8	6.1	-	-	-	-	-	-	-
C2b - SCI New Equipment	Custom Small HVAC New	E21C2b003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Interior	E21C2b004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Exterior	E21C2b054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Lighting New - Controls	E21C2b055	4	4	5	26.7	25.3	25.0	186.7	177.3	175.0	0.3	0.3	0.4	0.4	0.4	0.5	-	-	-	-	-	-	-
C2b - SCI New Equipment	Custom Small Motors New	E21C2b005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Process New	E21C2b006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Refrigeration New	E21C2b007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Other New	E21C2b008	12	18	23	450.0	641.3	776.3	5,850.0	8,336.3	10,091.3	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Custom Small Comprehensive Design	E21C2b052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Daylight Dimming	E21C2b009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C2b010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Exterior w/o Control	E21C2b011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Interior w/ Controls	E21C2b012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Performance Lighting - Interior w/o Controls	E21C2b013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Lighting Occupancy Sensors	E21C2b014	20	30	40	1.7	2.5	3.3	16.7	25.0	33.3	0.0	0.0	0.0	0.0	0.0	0.1	-	-	-	-	-	-	
C2b - SCI New Equipment	Advanced Power Strip	E21C2b015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Air Compressor	E21C2b016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Air Nozzle	E21C2b017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Circulator Pump	E21C2b018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Combination Oven, Electric	E21C2b019	3	4	5	45.3	60.4	75.5	543.4	724.6	905.7	9.5	12.6	15.8	9.5	12.6	15.8	-	-	-	-	-	-	
C2b - SCI New Equipment	Compressor Storage	E21C2b020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Convection Oven, Electric	E21C2b021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - High Temp Door Type	E21C2b022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - High Temp Multi Tank Convey	E21C2b023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C2b024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - High Temp Single Tank Conv	E21C2b025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - High Temp Under Counter	E21C2b026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - Low Temp Door Type	E21C2b027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - Low Temp Multi Tank Convey	E21C2b028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - Low Temp Single Tank Convey	E21C2b029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Dishwasher - Low Temp Under Counter	E21C2b030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Faucet Aerator, Electric	E21C2b031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Fryer Large Vat, Electric	E21C2b032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Fryer Standard Vat, Electric	E21C2b033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Griddle, Electric	E21C2b034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Ground Source Heat Pump	E21C2b035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C2b036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Hot Food Holding Cabinet Full Size	E21C2b037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Hot Food Holding Cabinet Half Size	E21C2b038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Ice Machine - Ice Making Head	E21C2b039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Bat	E21C2b040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Co	E21C2b041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Ice Machine - Self Contained	E21C2b042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Low Pressure Drop Filter	E21C2b043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Low-Flow Showerhead With Thermostatic V	E21C2b044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Low-Flow Showerhead, Electric	E21C2b045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Pre Rinse Spray Valve, Electric	E21C2b046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Refrigerated Air Dryer	E21C2b047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Steam Cooker, Electric	E21C2b048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Unitary Air Conditioner	E21C2b049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Water Source Heat Pump	E21C2b050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	Zero Loss Condensate Drain	E21C2b051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	High Efficiency Chiller - FL	E21C2b052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	High Efficiency Chiller - IPLV	E21C2b053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment	C&I Small New Construction Code Complia	E21C2b057	1	1	1	-	-	10.9	-	-	217.6	-	-	-	-	-	-	-	-	-	-	-	-	

Municipal Energy Solutions			Quantity			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Winter kW			Annual Net Summer kW			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C3a - Muni Retrofit	Custom Muni Compressed Air Retro	E21C3a001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Hot Water Retro	E21C3a002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni HVAC Retro	E21C3a003	2	4	4	100.0	190.0	180.0	2,500.0	4,750.0	4,500.0	-	-	-	22.5	45.0	45.0	100.0	200.0	200.0	2,500.0	5,000.0	5,000.0
C3a - Muni Retrofit	Custom Muni Lighting Retro - Interior	E21C3a004	3	-	-	200.0	-	-	2,600.0	-	-	30.5	-	-	40.0	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Lighting Retro - Exterior	E21C3a091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Lighting Retro - Controls	E21C3a092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Motors Retro	E21C3a005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Process Retro	E21C3a006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Refrigeration Retro	E21C3a007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Custom Muni Other Retro	E21C3a008	6	6	5	171.4	120.0	100.0	2,228.6	1,560.0	1,300.0	-	-	-	94.5	66.2	78.8	-	-	-	-	-	-
C3a - Muni Retrofit	Daylight Dimming	E21C3a009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Lighting Fixture - Exterior w/ Controls	E21C3a010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Lighting Fixture - Exterior w/o Controls	E21C3a011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Lighting Fixture - Interior w/ Controls	E21C3a012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Lighting Fixture - Interior w/o Controls	E21C3a013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Lighting Occupancy Sensors	E21C3a014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Air Sealing, Electric	E21C3a015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Air Sealing, Gas	E21C3a016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Air Sealing, Oil	E21C3a017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Air Sealing, Propane	E21C3a018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Boiler Reset Controls, Gas	E21C3a019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Boiler Reset Controls, Oil	E21C3a020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Boiler Reset Controls, Propane	E21C3a021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Case Motor Replacement	E21C3a022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Cooler Night Cover	E21C3a023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Demand Control Ventilation	E21C3a024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Door Heater Controls	E21C3a025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C3a026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Insulation, Electric	E21C3a027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Insulation, Gas	E21C3a028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Insulation, Oil	E21C3a029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Insulation, Propane	E21C3a030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Sealing, Electric	E21C3a031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Sealing, Gas	E21C3a032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Sealing, Oil	E21C3a033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Duct Sealing, Propane	E21C3a034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Ductless Mini Split Heat Pump	E21C3a035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	ECM Evaporator Fan Motors for Walk-in Co	E21C3a036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Electronic Defrost Control	E21C3a037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Energy Management System, Electric	E21C3a038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Electric	E21C3a039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Gas	E21C3a040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Oil	E21C3a041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Energy Star Wifi Thermostat, Propane	E21C3a042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Evaporator Fan Control	E21C3a043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Faucet Aerator, Electric	E21C3a044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Faucet Aerator, Gas	E21C3a045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Faucet Aerator, Oil	E21C3a046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Faucet Aerator, Propane	E21C3a047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Hotel Occupancy Sensor	E21C3a050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Insulation, Electric	E21C3a051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Insulation, Gas	E21C3a052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Insulation, Oil	E21C3a053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Insulation, Propane	E21C3a054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low Pressure Drop Filter	E21C3a055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic V	E21C3a056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic V	E21C3a057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic V	E21C3a058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic V	E21C3a059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead, Electric	E21C3a060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead, Gas	E21C3a061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3a - Muni Retrofit	Low-Flow Showerhead, Oil	E21C3a062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Unitil Energy System, Inc.
System Benefits Charge ("SBC") Calculation**

Unitil Energy Systems, Inc.
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Residential Sector (includes Low-Income Residential)												
Year	EE Total Budget	RGGI Revenues	FCM Revenues	Other Revenues	Prior Year Deferral with Interest	Current Year Interest	SBC Requirement	Forecasted Distribution (kWh)	SBC Rate EE Portion (\$/kWh)	SBC Rate EAP Portion (\$/kWh)	SBC Rate LBR Portion (\$/kWh)	(Jan 1, 21 & 22 & 23) Total SBC Rate (\$/kWh)
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
2021	\$ 4,677,524	\$ 56,687	\$ 168,524	\$ 963,228	\$ (465,753)	\$ (14,347)	\$ 3,008,984	489,122,763	\$0.00615	\$0.00150	\$0.00120	\$0.00885
2022	\$ 5,158,548	\$ 54,463	\$ 140,137	\$ 1,239,115	\$ 879	\$ -	\$ 3,725,713	482,005,817	\$0.00773	\$0.00150	\$0.00145	\$0.01068
2023	\$ 5,344,652	\$ 52,238	\$ 133,129	\$ 1,488,459	\$ -	\$ -	\$ 3,670,826	478,409,950	\$0.00767	\$0.00150	\$0.00186	\$0.01103

Commercial & Industrial (C&I) Sector												
Year	EE Total Budget	RGGI Revenues	FCM Revenues	Other Revenues	Prior Year Deferral with Interest	Current Year Interest	SBC Requirement	Forecasted Distribution (kWh)	SBC Rate EE Portion (\$/kWh)	SBC Rate EAP Portion (\$/kWh)	SBC Rate LBR Portion (\$/kWh)	Total SBC Rate (\$/kWh)
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
2021	\$ 4,891,985	\$ 228,000	\$ 393,222	\$ (963,228)	\$ 122,445	\$ (11,204)	\$ 5,345,233	616,422,193	\$0.00867	\$0.00150	\$0.00129	\$0.01146
2022	\$ 6,187,942	\$ 228,000	\$ 326,985	\$ (1,239,115)	\$ 852	\$ -	\$ 6,872,924	642,314,405	\$0.01070	\$0.00150	\$0.00121	\$0.01341
2023	\$ 7,751,441	\$ 228,000	\$ 310,634	\$ (1,488,459)	\$ -	\$ -	\$ 8,701,266	652,689,123	\$0.01333	\$0.00150	\$0.00130	\$0.01613

- Col. A: Effective year
- Col. B: Company Forecast
- Col. C: Company Forecast
- Col. D: Company Forecast
- Col. E: Company Forecast, C&I Funding for Low-Income Program
- Col. F: Page 2, Line 15
- Col. G: Page 3, Line 14
- Col. H: Col. B - Col. C - Col. D - Col. E + Col. F + Col. G
- Col. I: Company Forecast
- Col. J: Col. H / Col. I
- Col. K: EAP Portion of SBC Rate
- Col. L: Page 4, Col. G
- Col. M: Col. J + Col. K + Col. L

Unitil Energy Systems, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation
January 1, 2020 to December 31, 2020

	Jan-20 Recast	Feb-20 Recast	Mar-20 Recast	Apr-20 Recast	May-20 Recast	Jun-20 Recast	Jul-20 Estimate	Aug-20 Estimate	Sep-20 Estimate	Oct-20 Estimate	Nov-20 Estimate	Dec-20 Estimate	Total
1 Beginning Balance -- (Over)/Under Recovery	\$ (1,154,187)	\$ (1,583,066)	\$ (1,788,235)	\$ (1,888,553)	\$ (2,113,676)	\$ (2,316,469)	\$ (2,565,452)	\$ (2,265,308)	\$ (1,979,172)	\$ (1,723,117)	\$ (1,234,261)	\$ (805,341)	
2 Total Costs	183,721	396,761	490,271	280,126	356,701	336,778	867,844	897,534	934,545	947,018	976,709	1,023,616	7,691,624
Revenues													
3 Class Sales (Residential inc. LI) -- kWh	47,877,662	43,447,320	41,788,394	36,919,734	34,845,155	43,074,211	42,464,449	49,044,653	47,171,852	31,371,125	34,379,732	44,937,859	497,322,147
Class Sales (C&I) -- kWh	57,648,909	57,361,500	56,685,607	45,265,444	44,359,715	53,888,841	53,039,214	54,887,862	56,213,703	43,874,345	44,670,644	50,365,956	618,261,740
Total Class Sales - kWh	105,526,571	100,808,820	98,474,001	82,185,178	79,204,870	96,963,052	95,503,664	103,932,515	103,385,555	75,245,470	79,050,376	95,303,816	1,115,583,887
4 Charge -- \$/kWh	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528	\$ 0.00528
5 Energy Efficiency Revenues	\$ 473,467	\$ 532,633	\$ 520,570	\$ 434,496	\$ 418,791	\$ 512,651	\$ 504,259	\$ 548,764	\$ 545,876	\$ 397,296	\$ 417,386	\$ 503,204	\$ 5,809,393
6 Forward Capacity Market Revenue	\$ 62,522	\$ 62,965	\$ 62,639	\$ 62,926	\$ 62,996	\$ 63,624	\$ 56,801	\$ 56,801	\$ 56,801	\$ 56,801	\$ 56,801	\$ 56,801	\$ 718,476
7 RGGI Funding	\$ 71,223	\$ -	\$ -	\$ -	\$ -	\$ 68,813	\$ -	\$ -	\$ 70,889	\$ -	\$ 70,889	\$ -	\$ 281,815
8 Other Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9 Total Revenues	\$ 607,212	\$ 595,598	\$ 583,209	\$ 497,422	\$ 550,601	\$ 576,275	\$ 561,060	\$ 605,564	\$ 673,565	\$ 454,097	\$ 545,076	\$ 560,005	\$ 6,809,684
10 (Over)/Under Recovery (excluding interest)	\$ (1,577,677)	\$ (1,781,903)	\$ (1,881,172)	\$ (2,105,849)	\$ (2,307,576)	\$ (2,555,967)	\$ (2,258,668)	\$ (1,973,338)	\$ (1,718,192)	\$ (1,230,196)	\$ (802,628)	\$ (341,730)	
Interest Calculation													
11 Average Monthly Balance	\$ (1,365,932)	\$ (1,682,484)	\$ (1,834,703)	\$ (1,997,201)	\$ (2,210,626)	\$ (2,436,218)	\$ (2,412,060)	\$ (2,119,323)	\$ (1,848,682)	\$ (1,476,656)	\$ (1,018,444)	\$ (573,535)	
12 Interest Rate	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
13 Days per Month	31	29	31	30	31	30	31	31	30	31	30	31	366
14 Computed Interest	\$ (5,388)	\$ (6,331)	\$ (7,381)	\$ (7,827)	\$ (8,894)	\$ (9,485)	\$ (6,640)	\$ (5,834)	\$ (4,925)	\$ (4,065)	\$ (2,713)	\$ (1,579)	\$ (71,062)
15 Ending Balance	\$ (1,583,066)	\$ (1,788,235)	\$ (1,888,553)	\$ (2,113,676)	\$ (2,316,469)	\$ (2,565,452)	\$ (2,265,308)	\$ (1,979,172)	\$ (1,723,117)	\$ (1,234,261)	\$ (805,341)	\$ (343,309)	

Line 1: Prior period ending balance.
 Line 2: Page 1, Col. B
 Line 3: Company Forecast
 Line 4: Page 1, Col. J
 Line 5: Line 3 * Line 4
 Line 6: Page 1, Col. D
 Line 7: Page 1, Col. C
 Line 8: Page 1, Col. E.
 Line 9: Sum of Lines 5 through 8
 Line 10: Line 1 + Line 2 - Line 9
 Line 11: (Line 1 + Line 10)/2
 Line 12: Prime Rate
 Line 14: Line 11 * ((Line 12/# days per year) * Line 13). March includes interest adjustments for 2017 performance incentive true-ups.
 Line 15: Line 10 + Line 14

Unitil Energy Systems, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation
Residential Sector
January 1, 2021 to December 31, 2021

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
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	Jan-21 Estimate	Feb-21 Estimate	Mar-21 Estimate	Apr-21 Estimate	May-21 Estimate	Jun-21 Estimate	Jul-21 Estimate	Aug-21 Estimate	Sep-21 Estimate	Oct-21 Estimate	Nov-21 Estimate	Dec-21 Estimate	Total
1 Beginning Balance -- (Over)/Under Recovery	\$ (465,753)	\$ (604,706)	\$ (777,581)	\$ (826,429)	\$ (543,931)	\$ (595,652)	\$ (462,215)	\$ (137,870)	\$ (315,128)	\$ (324,439)	\$ (239,023)	\$ (269,826)	
2 Total Residential Costs	240,657	196,590	335,529	593,195	240,657	467,731	681,329	240,657	379,596	372,859	284,724	644,000	\$ 4,677,524
Revenues													
3 Class Sales (inc. LI) -- kWh	46,825,059	44,889,222	43,716,625	35,837,589	32,970,684	36,652,577	41,682,485	50,446,340	44,344,475	32,263,800	34,593,108	44,900,799	489,122,763
4 Charge -- \$/kWh	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	\$ 0.00615	
5 Energy Efficiency Revenues	\$ 287,974	\$ 276,069	\$ 268,857	\$ 220,401	\$ 202,770	\$ 225,413	\$ 256,347	\$ 310,245	\$ 272,719	\$ 198,422	\$ 212,748	\$ 276,140	\$ 3,008,105
6 Forward Capacity Market Revenue	\$ 14,401	\$ 14,401	\$ 14,401	\$ 14,401	\$ 14,401	\$ 13,788	\$ 13,788	\$ 13,788	\$ 13,788	\$ 13,788	\$ 13,788	\$ 13,788	\$ 168,524
7 RGGI Funding	\$ -	\$ -	\$ 14,172	\$ -	\$ -	\$ 14,172	\$ -	\$ -	\$ 14,172	\$ -	\$ 14,172	\$ -	\$ 56,687
8 Other Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9 Low-Income Funding From C&I Sector	\$ 75,759	\$ 77,274	\$ 84,736	\$ 74,067	\$ 73,636	\$ 79,509	\$ 86,022	\$ 93,258	\$ 87,375	\$ 74,456	\$ 74,140	\$ 82,996	\$ 963,228
10 Total Revenues	\$ 378,134	\$ 367,744	\$ 382,166	\$ 308,869	\$ 290,807	\$ 332,883	\$ 356,157	\$ 417,291	\$ 388,054	\$ 286,667	\$ 314,848	\$ 372,924	\$ 4,196,544
11 (Over)/Under Recovery (excluding interest)	\$ (603,231)	\$ (775,860)	\$ (824,218)	\$ (542,103)	\$ (594,081)	\$ (460,804)	\$ (137,043)	\$ (314,504)	\$ (323,586)	\$ (238,247)	\$ (269,147)	\$ 1,250	
Interest Calculation													
12 Average Monthly Balance	\$ (534,492)	\$ (690,283)	\$ (800,900)	\$ (684,266)	\$ (569,006)	\$ (528,228)	\$ (299,629)	\$ (226,187)	\$ (319,357)	\$ (281,343)	\$ (254,085)	\$ (134,288)	
13 Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
14 Days per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
15 Computed Interest	\$ (1,475)	\$ (1,721)	\$ (2,211)	\$ (1,828)	\$ (1,571)	\$ (1,411)	\$ (827)	\$ (624)	\$ (853)	\$ (777)	\$ (679)	\$ (371)	\$ (14,347)
16 Ending Balance	\$ (604,706)	\$ (777,581)	\$ (826,429)	\$ (543,931)	\$ (595,652)	\$ (462,215)	\$ (137,870)	\$ (315,128)	\$ (324,439)	\$ (239,023)	\$ (269,826)	\$ 879	

Line 1: Prior period ending balance
 Line 2: Page 1, Col. B, Company budget
 Line 3: Company Forecast
 Line 4: Page 1, Col. J
 Line 5: Line 3 * Line 4
 Line 6: Page 1, Col. D
 Line 7: Page 1, Col. C
 Line 8: Page 1, Col. E
 Line 9: Page 3a, C&I Funding, Line 12
 Line 10: Sum of Lines 5 - 9
 Line 11: Line 1 + Line 2 - Line 10
 Line 12: (Line 1 + Line 11)/2
 Line 13: Prime Rate
 Line 15: Line 12 * ((Line 13/# days per year) * Line 14)
 Line 16: Line 11 + Line 15

Unitil Energy Systems, Inc.
Energy Efficiency Expense & SBC Revenue Reconciliation
Commercial & Industrial (C&I) Sector
January 1, 2021 to December 31, 2021

Unitil Energy Systems, Inc.
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	Jan-21 Estimate	Feb-21 Estimate	Mar-21 Estimate	Apr-21 Estimate	May-21 Estimate	Jun-21 Estimate	Jul-21 Estimate	Aug-21 Estimate	Sep-21 Estimate	Oct-21 Estimate	Nov-21 Estimate	Dec-21 Estimate	Total
1 Beginning Balance -- (Over)/Under Recovery	\$ 122,445	\$ (97,070)	\$ (232,330)	\$ (444,679)	\$ (520,434)	\$ (502,766)	\$ (461,292)	\$ (498,440)	\$ (431,076)	\$ (287,669)	\$ (317,519)	\$ (403,058)	
2 Total C&I Costs	158,636	250,225	264,600	296,020	387,609	493,573	387,609	524,993	630,957	341,814	341,814	814,135	\$ 4,891,985
Revenues													
3 Class Sales C&I kWh	47,826,525	48,805,207	53,583,677	46,759,599	46,468,649	50,221,509	54,412,029	59,025,743	55,255,824	46,990,413	46,794,308	52,460,383	608,603,868
4 Outdoor Lighting kWh	655,812	646,441	643,518	639,643	655,263	660,735	638,027	655,115	660,391	658,236	652,060	653,084	7,818,326
5 Total Sales	48,482,338	49,451,648	54,227,195	47,399,243	47,123,912	50,882,244	55,050,056	59,680,858	55,916,215	47,648,649	47,446,368	53,113,467	616,422,193
6 Charge -- \$/kWh	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867	\$ 0.00867
7 Energy Efficiency Revenues	\$ 420,342	\$ 428,746	\$ 470,150	\$ 410,951	\$ 408,564	\$ 441,149	\$ 477,284	\$ 517,433	\$ 484,794	\$ 413,114	\$ 411,360	\$ 460,494	\$ 5,344,380
8 Forward Capacity Market Revenue	\$ 33,603	\$ 33,603	\$ 33,603	\$ 33,603	\$ 33,603	\$ 32,172	\$ 32,172	\$ 32,172	\$ 32,172	\$ 32,172	\$ 32,172	\$ 32,172	\$ 393,222
9 RGGI Funding	\$ -	\$ -	\$ 57,000	\$ -	\$ -	\$ 57,000	\$ -	\$ -	\$ 57,000	\$ -	\$ 57,000	\$ -	\$ 228,000
10 Other Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11 Total Revenues	\$ 453,945	\$ 462,349	\$ 560,753	\$ 444,554	\$ 442,167	\$ 530,322	\$ 509,456	\$ 549,605	\$ 573,966	\$ 445,286	\$ 500,532	\$ 492,666	\$ 5,965,602
12 Low-Income Funding	\$ (75,759)	\$ (77,274)	\$ (84,736)	\$ (74,067)	\$ (73,636)	\$ (79,509)	\$ (86,022)	\$ (93,258)	\$ (87,375)	\$ (74,456)	\$ (74,140)	\$ (82,996)	\$ (963,228)
13 Net Revenue	\$ 378,186	\$ 385,075	\$ 476,017	\$ 370,488	\$ 368,531	\$ 450,812	\$ 423,435	\$ 456,347	\$ 486,591	\$ 370,830	\$ 426,392	\$ 409,670	\$ 5,002,374
14 (Over)/Under Recovery (excluding interest)	\$ (97,105)	\$ (231,919)	\$ (443,746)	\$ (519,147)	\$ (501,356)	\$ (460,006)	\$ (497,117)	\$ (429,795)	\$ (286,710)	\$ (316,685)	\$ (402,096)	\$ 1,407	
Interest Calculation													
15 Average Monthly Balance	\$ 12,670	\$ (164,495)	\$ (338,038)	\$ (481,913)	\$ (510,895)	\$ (481,386)	\$ (479,205)	\$ (464,118)	\$ (358,893)	\$ (302,177)	\$ (359,808)	\$ (200,825)	
16 Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
17 Days per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
18 Computed Interest	\$ 35	\$ (410)	\$ (933)	\$ (1,287)	\$ (1,410)	\$ (1,286)	\$ (1,323)	\$ (1,281)	\$ (959)	\$ (834)	\$ (961)	\$ (554)	\$ (11,204)
19 Ending Balance	\$ (97,070)	\$ (232,330)	\$ (444,679)	\$ (520,434)	\$ (502,766)	\$ (461,292)	\$ (498,440)	\$ (431,076)	\$ (287,669)	\$ (317,519)	\$ (403,058)	\$ 852	

Line 1: Prior period ending balance
 Line 2: Page 1, Col. B, Company budget
 Lines 3 & 4: Company Forecast
 Line 5: Line 3 + Line 4
 Line 6: Page 1, Col. J
 Line 7: Line 5 * Line 6
 Line 8: Page 1, Col. D
 Line 9: Page 1, Col. C
 Line 11: Sum of Lines 5 through 8
 Line 12: LI funding allocation based on sales
 Line 13: Line 11- Line 12
 Line 14: Line 1 + Line 2 - Line 13
 Line 15: (Line 1 + Line 14)/2
 Line 16: Prime Rate
 Line 18: Line 15 * ((Line 16/# days per year) * Line 17))
 Line 19: Line 14 + Line 18

Unitil Energy Systems, Inc.
2021 System Benefits Charge Calculation (LBR Component)

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
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Residential Sector

Year	Forecasted LBR Revenue	Prior Year Deferral with Interest	Current Year Interest	Total LBR Revenue	Forecasted Distribution (kWh)	SBC Rate LBR Portion (\$/kWh)
Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G
2021	\$ 515,137	\$ 71,235	\$ 476	\$ 586,848	489,122,763	\$ 0.00120
2022	\$ 700,148	\$ (99)	\$ -	\$ 700,049	482,005,817	\$ 0.00145
2023	\$ 890,262	\$ -	\$ -	\$ 890,262	478,409,950	\$ 0.00186

Commercial & Industrial Sector (C&I)

Year	Forecasted LBR Revenue	Prior Year Deferral with Interest	Current Year Interest	Total LBR Revenue	Forecasted Distribution (kWh)	SBC Rate LBR Portion (\$/kWh)
Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G
2021	\$ 703,468	\$ 88,558	\$ 1,297	\$ 793,322	616,422,193	\$ 0.00129
2022	\$ 780,288	\$ (1,862)	\$ -	\$ 778,426	642,314,405	\$ 0.00121
2023	\$ 847,278	\$ -	\$ -	\$ 847,278	652,689,123	\$ 0.00130

Col. A: Effective year
 Col. B: Page 5, Line 9, Col. P & Line 21, Col. P
 Col. C: Page 7, Line 1, Col. B
 Col. D: Page 7, Line 8, Col. O
 Col. E: Col. B + Col. C + Col. D
 Col. F: Company Forecast
 Col. G: Col. E/Col. F

Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2020 to December 31, 2020

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Page 5 of 11

Line	Description	12/31/2019	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2020
			Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Annual Savings	
	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	Monthly Savings Installation Assumption		6.70%	7.00%	7.30%	7.60%	7.90%	8.20%	8.50%	8.80%	9.10%	9.30%	9.60%	10.00%		
2	Residential Annualized kWh Savings (2020)		215,359	225,002	234,645	244,287	253,930	263,573	273,216	282,859	292,502	298,931	308,574	321,431		3,214,309
3	C&I Annualized kWh Savings (2020)		719,221	751,425	783,629	815,833	848,037	880,241	912,445	944,649	976,853	998,322	1,030,526	1,073,464		10,734,644
4	Total		934,580	976,427	1,018,274	1,060,120	1,101,967	1,143,814	1,185,661	1,227,508	1,269,355	1,297,253	1,339,099	1,394,895		13,948,953
5	C&I Annualized kW Savings (2020)		92	92	92	92	92	92	92	92	92	92	92	92		1,101
																Cumulative
			Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20		LBR Savings
6	Monthly Residential kWh Savings		17,947	18,750	19,554	20,357	21,161	21,964	22,768	23,572	24,375	24,911	25,714	26,786		
7	Cumulative Residential kWh Savings	709,903	727,849	746,599	766,153	786,510	807,671	829,636	852,404	875,975	900,351	925,261	950,976	977,762		10,147,148
8	Average Residential Distribution Rate		0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558		
9	Lost Residential Revenue		\$ 25,897	\$ 26,564	\$ 27,260	\$ 27,984	\$ 28,737	\$ 29,518	\$ 30,329	\$ 31,167	\$ 32,034	\$ 32,921	\$ 33,836	\$ 34,789		\$ 361,036
10	Monthly C&I kWh Savings (2017 & 2018)	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418		
11	Average C&I Distribution Rate		0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217		
12	Lost C&I Revenue		\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081		\$ 408,978
13	Monthly C&I kWh Savings (2020)		59,935	62,619	65,302	67,986	70,670	73,353	76,037	78,721	81,404	83,193	85,877	89,455		
14	Cumulative C&I kWh Savings (2019 & 2020)	534,180	594,115	656,733	722,036	790,022	860,692	934,045	1,010,082	1,088,803	1,170,207	1,253,401	1,339,278	1,428,733		
15	Average C&I Distribution Rate (kWh)		0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024		
16	Lost C&I Revenue		\$ 143	\$ 158	\$ 173	\$ 190	\$ 207	\$ 224	\$ 242	\$ 261	\$ 281	\$ 301	\$ 321	\$ 343		\$ 2,844
17	Monthly C&I kW Savings (2020)		46	46	46	46	46	46	46	46	46	46	46	46		
18	Cumulative C&I Savings (2019 & 2020)	1,140	1,186	1,278	1,370	1,462	1,553	1,645	1,737	1,829	1,921	2,012	2,104	2,196		
19	Average C&I Demand Rate		\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16		
20	Lost C&I Demand Revenue		\$ 10,867	\$ 11,708	\$ 12,549	\$ 13,389	\$ 14,230	\$ 15,071	\$ 15,911	\$ 16,752	\$ 17,593	\$ 18,433	\$ 19,274	\$ 20,115		\$ 185,892
21	Total Lost Revenue		\$ 70,988	\$ 72,511	\$ 74,063	\$ 75,644	\$ 77,255	\$ 78,895	\$ 80,564	\$ 82,262	\$ 83,990	\$ 85,737	\$ 87,513	\$ 89,328		958,749

Notes
 Line 1: Company Estimate
 Line 2: Estimated Savings per DE 17-136
 Line 3: Estimated Savings per DE 17-136
 Line 4: Line 2 + Line 3
 Line 5: Estimated Savings per DE 17-136
 Line 6: Line 2 / 12
 Line 7: Prior Month Line 7 + Current Month Line 6. 2019 Cumulative savings shown in Col. N from 2019 Annual Report.
 Line 8: Page 8, Line 1, Col. 5
 Line 9: Line 7 x Line 8
 Line 10: Prior Month Line 10. 12/31/18 Cumulative savings shown in Col. N from 2019 Annual Report.
 Line 11: Page 8, line 2, column (b)
 Line 12: Line 10 x Line 11
 Line 13: Line 3/12
 Line 14: Prior month Line 14 + current month Line 12. 2019 Cumulative savings shown in Col. N from 2019 Annual Report
 Line 15: Page 8 Line 4, Column (a)
 Line 16: Line 14 x Line 15
 Line 17: Line 5 / 2
 Line 18: Prior month Lines 18 + Current month Line 17. 2019 Cumulative savings shown in Col. N from 2019 Annual Report
 Line 19: Page 8 Line 4 Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 9 + Line 12 + Line 16 + Line 20

Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2020 to December 31, 2020
Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2021 to December 31, 2021

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Page 5a of 11

Line	Description	12/31/2020	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2021
		Col. B	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Annual Savings	
1	Monthly Savings Installation Assumption		6.70%	7.00%	7.30%	7.60%	7.90%	8.20%	8.50%	8.80%	9.10%	9.30%	9.60%	10.00%		
2	Residential Annualized kWh Savings (2021)		363,069	379,326	395,583	411,839	428,096	444,353	460,610	476,867	493,123	503,961	520,218	541,894	5,418,938	
3	C&I Annualized kWh Savings (2021)		703,191	734,677	766,164	797,650	829,136	860,622	892,108	923,594	955,081	976,071	1,007,558	1,049,539	10,495,391	
4	Total		1,066,260	1,114,003	1,161,746	1,209,489	1,257,232	1,304,975	1,352,718	1,400,461	1,448,204	1,480,033	1,527,776	1,591,433	15,914,330	
5	C&I Annualized kW Savings (2021)		65	65	65	65	65	65	65	65	65	65	65	65	776	
6	Monthly Residential kWh Savings		30,256	31,610	32,965	34,320	35,675	37,029	38,384	39,739	41,094	41,997	43,352	45,158		
7	Cumulative Residential kWh Savings	977,762	1,008,018	1,039,628	1,072,593	1,106,913	1,142,588	1,179,617	1,218,001	1,257,740	1,298,834	1,340,831	1,384,182	1,429,340	14,478,286	
8	Average Residential Distribution Rate		0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558		
9	Lost Residential Revenue		\$ 35,865	\$ 36,990	\$ 38,163	\$ 39,384	\$ 40,653	\$ 41,971	\$ 43,336	\$ 44,750	\$ 46,213	\$ 47,707	\$ 49,249	\$ 50,856	\$ 515,137	
10	Monthly C&I kWh Savings (2017 & 2018)	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418		
11	Average C&I Distribution Rate		0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217		
12	Lost C&I Revenue		\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 408,978	
13	Monthly C&I kWh Savings (2021)		58,599	61,223	63,847	66,471	69,095	71,719	74,342	76,966	79,590	81,339	83,963	87,462		
14	Cumulative C&I kWh Savings (2019 to present)	1,428,733	1,487,332	1,548,556	1,612,403	1,678,873	1,747,968	1,819,687	1,894,029	1,970,995	2,050,585	2,131,924	2,215,888	2,303,349		
15	Average C&I Distribution Rate (kWh)		0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024		
16	Lost C&I Revenue		\$ 357	\$ 372	\$ 387	\$ 403	\$ 420	\$ 437	\$ 455	\$ 473	\$ 492	\$ 512	\$ 532	\$ 553	\$ 5,391	
17	Monthly C&I kW Savings (2021)		32	32	32	32	32	32	32	32	32	32	32	32		
18	Cumulative C&I Savings (2019 to present)	2,242	2,274	2,339	2,404	2,468	2,533	2,598	2,662	2,727	2,792	2,857	2,921	2,986		
19	Average C&I Demand Rate		\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16		
20	Lost C&I Demand Revenue		\$ 20,832	\$ 21,424	\$ 22,017	\$ 22,610	\$ 23,203	\$ 23,795	\$ 24,388	\$ 24,981	\$ 25,573	\$ 26,166	\$ 26,759	\$ 27,352	\$ 289,099	
21	Total Lost C&I Revenue		\$ 55,270	\$ 55,877	\$ 56,486	\$ 57,094	\$ 57,704	\$ 58,313	\$ 58,924	\$ 59,535	\$ 60,147	\$ 60,759	\$ 61,372	\$ 61,986	\$ 703,468	
22	Total Lost Revenue		\$ 91,135	\$ 92,867	\$ 94,648	\$ 96,478	\$ 98,357	\$ 100,284	\$ 102,260	\$ 104,286	\$ 106,360	\$ 108,466	\$ 110,621	\$ 112,842	1,218,605	

Notes
 Line 1: Company Estimate
 Line 2: Estimated Savings per DE 20-092
 Line 3: Estimated Savings per DE 20-092
 Line 4: Line 2 + Line 3
 Line 5: Estimated Savings per DE 20-092
 Line 6: Line 2 / 12
 Line 7: Prior Month Line 7 + Current Month Line 6. 2020 Cumulative savings from Page 5, Line 7, Col. N.
 Line 8: Page 8, Line 1, Col. 5
 Line 9: Line 7 x Line 8
 Line 10: Prior Month Line 10. 12/31/18 Cumulative savings from Page 5, Line 10, Col. N.
 Line 11: Page 8, line 2, column (b)
 Line 12: Line 10 x Line 11
 Line 13: Line 3/12
 Line 14: Prior month Line 14 + current month Line 12. 2020 Cumulative savings from Page 5, Line 10, Col. N.
 Line 15: Page 8 Line 4, Column (a)
 Line 16: Line 14 x Line 15
 Line 17: Line 5 / 2
 Line 18: Prior month Lines 18 + Current month Line 17. 2020 Cumulative savings from Page 5, Line 18, Col. N + Page 5, Line 17, Col. N
 Line 19: Page 8 Line 4 Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21

Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2020 to December 31, 2020
Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2022 to December 31, 2022

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Page 5b of 11

Line	Description	12/31/2021	Forecast Jan-22	Forecast Feb-22	Forecast Mar-22	Forecast Apr-22	Forecast May-22	Forecast Jun-22	Forecast Jul-22	Forecast Aug-22	Forecast Sep-22	Forecast Oct-22	Forecast Nov-22	Forecast Dec-22	2022 Annual Savings
	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	Monthly Savings Installation Assumption		6.70%	7.00%	7.30%	7.60%	7.90%	8.20%	8.50%	8.80%	9.10%	9.30%	9.60%	10.00%	
2	Residential Annualized Savings (2022)		334,093	349,053	364,012	378,972	393,931	408,890	423,850	438,809	453,769	463,742	478,701	498,647	4,986,468
3	C&I Annualized Savings (2022)		814,921	851,410	887,899	924,388	960,877	997,366	1,033,855	1,070,344	1,106,834	1,131,160	1,167,649	1,216,301	12,163,006
4	Total		1,149,015	1,200,463	1,251,912	1,303,360	1,354,808	1,406,257	1,457,705	1,509,154	1,560,602	1,594,901	1,646,349	1,714,947	17,149,473
5	C&I Annualized kW Savings (2022)		48	48	48	48	48	48	48	48	48	48	48	48	572
															Cumulative LBR Savings
6	Monthly Residential kWh Savings		27,841	29,088	30,334	31,581	32,828	34,074	35,321	36,567	37,814	38,645	39,892	41,554	
7	Cumulative Residential kWh Savings	1,429,340	1,457,181	1,486,269	1,516,603	1,548,184	1,581,012	1,615,086	1,650,407	1,686,974	1,724,788	1,763,433	1,803,325	1,844,879	19,678,142
8	Average Residential Distribution Rate		0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	
9	Lost Residential Revenue		\$ 51,847	\$ 52,881	\$ 53,961	\$ 55,084	\$ 56,252	\$ 57,465	\$ 58,721	\$ 60,023	\$ 61,368	\$ 62,743	\$ 64,162	\$ 65,641	\$ 700,148
10	Monthly C&I kWh Savings (2017 & 2018)	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	
11	Average C&I Distribution Rate		0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	
12	Lost C&I Revenue		\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 408,978
13	Monthly C&I kWh Savings (2022)		67,910	70,951	73,992	77,032	80,073	83,114	86,155	89,195	92,236	94,263	97,304	101,358	
14	Cumulative C&I kWh Savings (2019 to present)	2,303,349	2,371,259	2,442,210	2,516,202	2,593,234	2,673,307	2,756,421	2,842,576	2,931,771	3,024,007	3,118,271	3,215,575	3,316,933	
15	Average C&I Distribution Rate (kWh)		0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	
16	Lost C&I Revenue		\$ 569	\$ 586	\$ 604	\$ 622	\$ 642	\$ 662	\$ 682	\$ 704	\$ 726	\$ 748	\$ 772	\$ 796	\$ 8,112
17	Monthly C&I kW Savings (2022)		24	24	24	24	24	24	24	24	24	24	24	24	
18	Cumulative C&I kW Savings (2019 to present)	3,018	3,042	3,090	3,137	3,185	3,233	3,280	3,328	3,376	3,423	3,471	3,519	3,566	
19	Average C&I Demand Rate		\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	
20	Lost C&I Demand Revenue		\$ 27,866	\$ 28,303	\$ 28,739	\$ 29,175	\$ 29,612	\$ 30,048	\$ 30,485	\$ 30,921	\$ 31,358	\$ 31,794	\$ 32,230	\$ 32,667	\$ 363,198
21	Total Lost C&I Revenue		\$ 62,517	\$ 62,970	\$ 63,424	\$ 63,879	\$ 64,335	\$ 64,791	\$ 65,248	\$ 65,706	\$ 66,165	\$ 66,624	\$ 67,084	\$ 67,544	\$ 780,288
22	Total Lost Revenue		\$ 114,363	\$ 115,852	\$ 117,385	\$ 118,964	\$ 120,587	\$ 122,256	\$ 123,970	\$ 125,729	\$ 127,533	\$ 129,367	\$ 131,246	\$ 133,185	1,480,436

Notes
 Line 1: Company Estimate
 Line 2: Estimated Savings per DE 20-092
 Line 3: Estimated Savings per DE 20-092
 Line 4: Line 2 + Line 3
 Line 5: Estimated Savings per DE 20-092
 Line 6: Line 2 / 12
 Line 7: Prior Month Line 7 + Current Month Line 6. 2021 Cumulative savings from Page 5a, Line 7, Col. N.
 Line 8: Page 8, Line 1, Col. 5
 Line 9: Line 7 x Line 8
 Line 10: Prior Month Line 10. 12/31/18 Cumulative savings from Page 5a, Line 10, Col. N.
 Line 11: Page 8, line 2, column (b)
 Line 12: Line 10 x Line 11
 Line 13: Line 3/12
 Line 14: Prior month Line 14 + current month Line 12. 2021 Cumulative savings from Page 5a, Line 10, Col. N.
 Line 15: Page 8 Line 4, Column (a)
 Line 16: Line 14 x Line 15
 Line 17: Line 5 / 2
 Line 18: Prior month Lines 18 + Current month Line 17. 2021 Cumulative savings from Page 5a, Line 18, Col. N + Page 5a, Line 17, Col. N
 Line 19: Page 8 Line 4 Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21

Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2020 to December 31, 2020
Unitil Energy System, Inc.
Estimated Monthly and Cumulative Savings (kWh& kW) and Lost Base Revenue
January 1, 2023 to December 31, 2023

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
 Page 5c of 11

Line	Description	12/31/2022	Forecast Jan-23	Forecast Feb-23	Forecast Mar-23	Forecast Apr-23	Forecast May-23	Forecast Jun-23	Forecast Jul-23	Forecast Aug-23	Forecast Sep-23	Forecast Oct-23	Forecast Nov-23	Forecast Dec-23	2023 Annual Savings
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	Monthly Savings Installation Assumption		6.70%	7.00%	7.30%	7.60%	7.90%	8.20%	8.50%	8.80%	9.10%	9.30%	9.60%	10.00%	
2	Residential Annualized Savings (2023)		381,284	398,356	415,429	432,501	449,574	466,646	483,718	500,791	517,863	529,245	546,317	569,081	5,690,806
3	C&I Annualized Savings (2023)		979,853	1,023,727	1,067,601	1,111,475	1,155,349	1,199,223	1,243,097	1,286,972	1,330,846	1,360,095	1,403,969	1,462,468	14,624,676
4	Total		1,361,137	1,422,084	1,483,030	1,543,977	1,604,923	1,665,870	1,726,816	1,787,762	1,848,709	1,889,340	1,950,286	2,031,548	20,315,482
5	C&I Annualized kW Savings (2023)		49	49	49	49	49	49	49	49	49	49	49	49	589
															Cumulative LBR Savings
6	Monthly Residential kWh Savings		31,774	33,196	34,619	36,042	37,464	38,887	40,310	41,733	43,155	44,104	45,526	47,423	
7	Cumulative Residential kWh Savings	1,844,879	1,876,653	1,909,849	1,944,468	1,980,510	2,017,974	2,056,862	2,097,171	2,138,904	2,182,059	2,226,163	2,271,689	2,319,113	25,021,415
8	Average Residential Distribution Rate		0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	0.03558	
9	Lost Residential Revenue		\$ 66,771	\$ 67,952	\$ 69,184	\$ 70,467	\$ 71,800	\$ 73,183	\$ 74,617	\$ 76,102	\$ 77,638	\$ 79,207	\$ 80,827	\$ 82,514	\$ 890,262
10	Monthly C&I kWh Savings (2017 & 2018)	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	1,059,418	
11	Average C&I Distribution Rate		0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	0.03217	
12	Lost C&I Revenue		\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 34,081	\$ 408,978
13	Monthly C&I kWh Savings (2023)		81,654	85,311	88,967	92,623	96,279	99,935	103,591	107,248	110,904	113,341	116,997	121,872	
14	Cumulative C&I kWh Savings (2019 to present)	3,316,933	3,398,587	3,483,898	3,572,865	3,665,488	3,761,767	3,861,702	3,965,294	4,072,541	4,183,445	4,296,786	4,413,784	4,535,656	
15	Average C&I Distribution Rate (kWh)		0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	0.00024	
16	Lost C&I Revenue		\$ 816	\$ 836	\$ 857	\$ 880	\$ 903	\$ 927	\$ 952	\$ 977	\$ 1,004	\$ 1,031	\$ 1,059	\$ 1,089	\$ 11,331
17	Monthly C&I kW Savings (2023)		25	25	25	25	25	25	25	25	25	25	25	25	
18	Cumulative C&I kW Savings (2019 to present)	3,590	3,615	3,664	3,713	3,762	3,811	3,860	3,909	3,958	4,007	4,056	4,105	4,154	
19	Average C&I Demand Rate		\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	\$ 9.16	
20	Lost C&I Demand Revenue		\$ 33,110	\$ 33,559	\$ 34,008	\$ 34,458	\$ 34,907	\$ 35,356	\$ 35,805	\$ 36,255	\$ 36,704	\$ 37,153	\$ 37,603	\$ 38,052	\$ 426,969
21	Total Lost C&I Revenue		\$ 68,007	\$ 68,477	\$ 68,947	\$ 69,419	\$ 69,891	\$ 70,364	\$ 70,839	\$ 71,314	\$ 71,790	\$ 72,266	\$ 72,743	\$ 73,222	\$ 847,278
22	Total Lost Revenue		\$ 134,778	\$ 136,429	\$ 138,131	\$ 139,885	\$ 141,691	\$ 143,548	\$ 145,456	\$ 147,416	\$ 149,427	\$ 151,473	\$ 153,570	\$ 155,736	1,737,540

Notes
 Line 1: Company Estimate
 Line 2: Estimated Savings per DE 20-092
 Line 3: Estimated Savings per DE 20-092
 Line 4: Line 2 + Line 3
 Line 5: Estimated Savings per DE 20-092
 Line 6: Line 2 / 12
 Line 7: Prior Month Line 7 + Current Month Line 6. 2022 Cumulative savings from Page 5b, Line 7, Col. N.
 Line 8: Page 8, Line 1, Col. 5
 Line 9: Line 7 x Line 8
 Line 10: Prior Month Line 10. 12/31/18 Cumulative savings from Page 5b, Line 10, Col. N.
 Line 11: Page 8, line 2, column (b)
 Line 12: Line 10 x Line 11
 Line 13: Line 3/12
 Line 14: Prior month Line 14 + current month Line 12. 2022 Cumulative savings from Page 5b, Line 10, Col. N.
 Line 15: Page 8 Line 4, Column (a)
 Line 16: Line 14 x Line 15
 Line 17: Line 5 / 2
 Line 18: Prior month Lines 18 + Current month Line 17. 2022 Cumulative savings from Page 5b, Line 18, Col. N + Page 5b, Line 17, Col. N
 Line 19: Page 8 Line 4 Column 6
 Line 20: Line 18 x Line 19
 Line 21: Line 12 + Line 16 + Line 20
 Line 22: Line 9 + Line 21

Unitil Energy System, Inc.
 Lost Base Revenue Reconciliation
 January 1, 2020 to December 31, 2020

Line	Description	Recast Jan-20 Col. B	Recast Feb-20 Col. C	Recast Mar-20 Col. D	Recast Apr-20 Col. E	Recast May-20 Col. F	Recast Jun-20 Col. G	Estimate Jul-20 Col. H	Estimate Aug-20 Col. I	Estimate Sep-20 Col. J	Estimate Oct-20 Col. K	Estimate Nov-20 Col. L	Estimate Dec-20 Col. M	2020 Total Col. N
Total														
1	Beginning Balance	\$ 13,489	\$ 17,774	\$ 15,688	\$ 16,840	\$ 31,669	\$ 50,375	\$ 57,608	\$ 67,672	\$ 73,217	\$ 80,907	\$ 111,226	\$ 140,576	
2	Lost Revenues	\$ 70,988	\$ 72,511	\$ 74,063	\$ 75,644	\$ 77,255	\$ 78,895	\$ 80,564	\$ 82,262	\$ 83,990	\$ 85,737	\$ 87,513	\$ 89,328	\$ 958,749
	REVENUE													
3	Revenue (\$)	\$ 66,767	\$ 74,660	\$ 72,976	\$ 60,910	\$ 58,713	\$ 71,871	\$ 70,673	\$ 76,910	\$ 76,505	\$ 55,682	\$ 58,497	\$ 70,525	\$ 814,689
4	Cumulative (Over)/Under Recovery	\$ 17,711	\$ 15,625	\$ 16,775	\$ 31,574	\$ 50,210	\$ 57,399	\$ 67,500	\$ 73,024	\$ 80,702	\$ 110,962	\$ 140,241	\$ 159,379	
	INTEREST													
5	Average Monthly Balance	\$ 15,600	\$ 16,699	\$ 16,231	\$ 24,207	\$ 40,939	\$ 53,887	\$ 62,554	\$ 70,348	\$ 76,960	\$ 95,934	\$ 125,734	\$ 149,978	
6	Interest Rate	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
7	Days per Month	31	29	31	30	31	30	31	31	30	31	30	31	366
8	Computed Interest	\$ 63	\$ 63	\$ 65	\$ 94	\$ 165	\$ 210	\$ 172	\$ 194	\$ 205	\$ 264	\$ 335	\$ 413	\$ 2,242
9	Ending Balance (Over)/Under Recovery	\$ 17,774	\$ 15,688	\$ 16,840	\$ 31,669	\$ 50,375	\$ 57,608	\$ 67,672	\$ 73,217	\$ 80,907	\$ 111,226	\$ 140,576	\$ 159,792	
10	Class Sales (Residential inc. LI) -- kWh	47,877,662	43,447,320	41,788,394	36,919,734	34,845,155	43,074,211	42,464,449	49,044,653	47,171,852	31,371,125	34,379,732	44,937,859	497,322,147
11	Class Sales (C&I) -- kWh	57,648,909	57,361,500	56,685,607	45,265,444	44,359,715	53,888,841	53,039,214	54,887,862	56,213,703	43,874,345	44,670,644	50,365,956	618,261,740
12	Total Class Sales - kWh	105,526,571	100,808,820	98,474,001	82,185,178	79,204,870	96,963,052	95,503,664	103,932,515	103,385,555	75,245,470	79,050,376	95,303,816	1,115,583,887

Line 1: Prior period ending balance
 Line 2: Page 5, Line 21
 Line 3: Estimated revenue
 Line 4: Line 1 + Line 2 - Line 3
 Line 5: (Line 1 + Line 4)/2
 Line 6: Prime Rate
 Line 8: Line 7 * ((Line 5/# days per year) * Line 9)
 Line 9: Line 4 + Line 8

Unitil Energy System, Inc.
 Lost Base Revenue Reconciliation
 January 1, 2021 to December 31, 2021

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Attachment H3 - (2021 - 2023 Plan)
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Line	Description	Estimate Jan-21	Estimate Feb-21	Estimate Mar-21	Estimate Apr-21	Estimate May-21	Estimate Jun-21	Estimate Jul-21	Estimate Aug-21	Estimate Sep-21	Estimate Oct-21	Estimate Nov-21	Estimate Dec-21	2021 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
Residential Sector														
1	Beginning Balance	\$ 71,235	\$ 51,078	\$ 34,308	\$ 20,086	\$ 16,513	\$ 17,649	\$ 15,681	\$ 9,032	\$ (6,750)	\$ (13,778)	\$ (4,813)	\$ 2,922	
2	Lost Revenues	\$ 35,865	\$ 36,990	\$ 38,163	\$ 39,384	\$ 40,653	\$ 41,971	\$ 43,336	\$ 44,750	\$ 46,213	\$ 47,707	\$ 49,249	\$ 50,856	\$ 515,137
REVENUE														
3	Revenue (\$)	\$ 56,190	\$ 53,867	\$ 52,460	\$ 43,005	\$ 39,565	\$ 43,983	\$ 50,019	\$ 60,536	\$ 53,213	\$ 38,717	\$ 41,512	\$ 53,881	\$ 586,947
4	Cumulative (Over)/Under Recovery	\$ 50,910	\$ 34,201	\$ 20,011	\$ 16,464	\$ 17,602	\$ 15,636	\$ 8,998	\$ (6,753)	\$ (13,750)	\$ (4,788)	\$ 2,924	\$ (103)	
INTEREST														
5	Average Monthly Balance	\$ 61,072	\$ 42,640	\$ 27,159	\$ 18,275	\$ 17,057	\$ 16,643	\$ 12,340	\$ 1,140	\$ (10,250)	\$ (9,283)	\$ (945)	\$ 1,409	
6	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
7	Days per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
8	Computed Interest	\$ 169	\$ 106	\$ 75	\$ 49	\$ 47	\$ 44	\$ 34	\$ 3	\$ (27)	\$ (26)	\$ (3)	\$ 4	\$ 476
9	Ending Balance (Over)/Under Recovery	\$ 51,078	\$ 34,308	\$ 20,086	\$ 16,513	\$ 17,649	\$ 15,681	\$ 9,032	\$ (6,750)	\$ (13,778)	\$ (4,813)	\$ 2,922	\$ (99)	
10	Class Sales (Residential inc. LI) -- kWh	46,825,059	44,889,222	43,716,625	35,837,589	32,970,684	36,652,577	41,682,485	50,446,340	44,344,475	32,263,800	34,593,108	44,900,799	489,122,763
Commercial & Industrial Sector (C&I)														
1	Beginning Balance	\$ 88,558	\$ 81,520	\$ 73,798	\$ 60,516	\$ 56,621	\$ 53,687	\$ 46,496	\$ 34,517	\$ 17,135	\$ 5,180	\$ 4,486	\$ 4,664	
2	Lost Revenues	\$ 55,270	\$ 55,877	\$ 56,486	\$ 57,094	\$ 57,704	\$ 58,313	\$ 58,924	\$ 59,535	\$ 60,147	\$ 60,759	\$ 61,372	\$ 61,986	\$ 703,468
REVENUE														
3	Revenue (\$)	\$ 62,542	\$ 63,793	\$ 69,953	\$ 61,145	\$ 60,790	\$ 65,638	\$ 71,015	\$ 76,988	\$ 72,132	\$ 61,467	\$ 61,206	\$ 68,516	\$ 795,185
4	Cumulative (Over)/Under Recovery	\$ 81,285	\$ 73,605	\$ 60,331	\$ 56,465	\$ 53,535	\$ 46,362	\$ 34,405	\$ 17,064	\$ 5,150	\$ 4,472	\$ 4,652	\$ (1,866)	
INTEREST														
5	Average Monthly Balance	\$ 84,922	\$ 77,562	\$ 67,064	\$ 58,490	\$ 55,078	\$ 50,024	\$ 40,451	\$ 25,790	\$ 11,143	\$ 4,826	\$ 4,569	\$ 1,399	
6	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
7	Days per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
8	Computed Interest	\$ 234	\$ 193	\$ 185	\$ 156	\$ 152	\$ 134	\$ 112	\$ 71	\$ 30	\$ 13	\$ 12	\$ 4	\$ 1,297
9	Ending Balance	\$ 81,520	\$ 73,798	\$ 60,516	\$ 56,621	\$ 53,687	\$ 46,496	\$ 34,517	\$ 17,135	\$ 5,180	\$ 4,486	\$ 4,664	\$ (1,862)	
10	Class Sales (C&I) -- kWh	48,482,338	49,451,648	54,227,195	47,399,243	47,123,912	50,882,244	55,050,056	59,680,858	55,916,215	47,648,649	47,446,368	53,113,467	616,422,193

Line 1: Prior period ending balance allocated by sales %
 Line 2: Page 5, Line 12
 Line 3: Estimated revenue
 Line 4: Line 1 + Line 2 - Line 3
 Line 5: (Line 1 + Line 4)/2
 Line 6: Prime Rate
 Line 8: Line 7 * ((Line 5/# days per year) * Line 9))
 Line 9: Line 4 + Line 8

Unitil Energy Systems, Inc.
Calculation of Forecasted Average Distribution Rate for Lost Revenue
Based on Actual Billing Determinants for January - December 2019 and Distribution Rates effective May 1, 2019

	(1)	(2)	(3)	(4)	(5)	(6) = (1) / (4)	(7) = (2) / (5)	(8) = (3) / (5)
	<u>Revenue*</u>			<u>Units</u>				
<u>Rate Class</u>	<u>Demand Charges</u>	<u>kWh Charges</u>	<u>Total Demand and kWh Charges</u>	<u>Delivery kW</u>	<u>Delivery kWh</u>	<u>Average Distribution Rate \$/kW</u>	<u>Average Distribution Rate \$/kWh^(a)</u>	<u>Average Distribution Rate \$/kWh^(b)</u>
1 Residential D	\$ -	\$ 17,218,197	\$ 17,218,197	-	483,929,101	N/A	N/A	\$ 0.03558
2 Regular General G2	\$ 13,817,475	\$ 162,786	\$ 13,980,261	1,316,550	342,782,066	10.50	\$ 0.00047	\$ 0.04078
3 Large General Service Rate G1	\$ 7,590,823	\$ -	\$ 7,590,823	1,021,630	327,838,600	7.43	\$ -	\$ 0.02315
4 Commercial and Industrial	\$ 21,408,298	\$ 162,786	\$ 21,571,084	2,338,180	670,620,666	\$ 9.16	\$ 0.00024	\$ 0.03217

Note: See page 10 for details.

* Revenues include demand charges and kWh charges only.
 Customer, meter and per luminaire charges are excluded.

(a) For 2019 & 2020 C&I Savings.

(b) For 2017 & 2018 C&I Savings (in 2020 calculation).

Bill Impacts of Changes in System Benefits Charge - Unitil Energy Systems, Inc.
 Rates Proposed for Effect January 1, 2021, January 1, 2022 & January 1, 2023

	2020	2021	2022	2023
System Benefits Charge (\$/kWh) Residential	\$ 0.00752	\$ 0.00885	\$ 0.01068	\$ 0.01103
System Benefits Charge (\$/kWh) C&I	\$ 0.00752	\$ 0.01146	\$ 0.01341	\$ 0.01613
<u>Bill per month, including UES Default Service Charge</u>				
Residential Rate R (625 kWh/month)	\$ 109.78	\$ 110.61	\$ 111.75	\$ 111.97
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)	\$ 1,479.39	\$ 1,492.71	\$ 1,511.01	\$ 1,514.53
<u>Change from previous rate level - \$ per month</u>				
Residential Rate R (625 kWh/month)		\$ 0.83	\$ 1.14	\$ 0.22
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)		\$ 13.32	\$ 18.30	\$ 3.52
<u>Change from previous rate level - %</u>				
Residential Rate R (625 kWh/month)		0.8%	1.0%	0.2%
General Service Rate G, three-phase service (40 kW, 10,000 kWh/month)		0.9%	1.2%	0.2%

Unitil Energy Systems, Inc.
Calculation of Distribution Revenue at the Rate Level Effective January 1, 2019 - December 31, 2019
 Based on Billing Determinants for the Twelve Months Ending December 31, 2018

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
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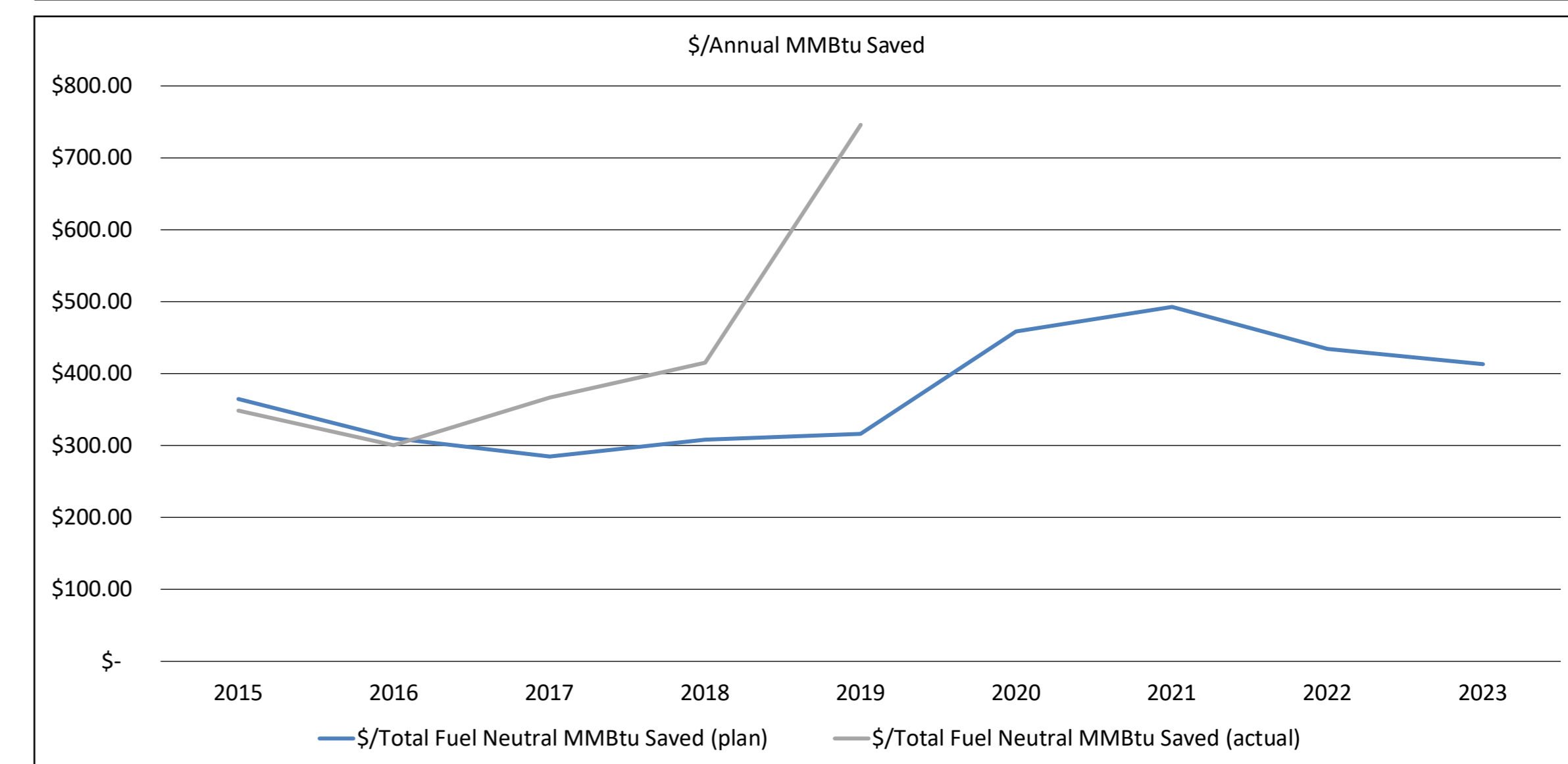
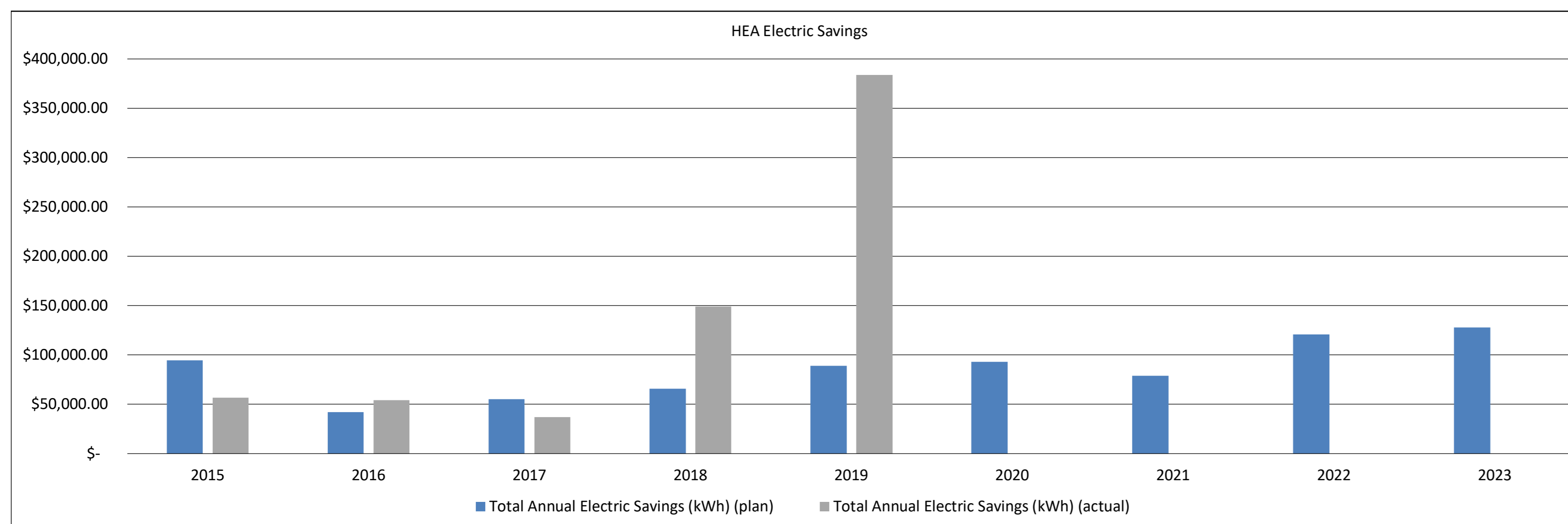
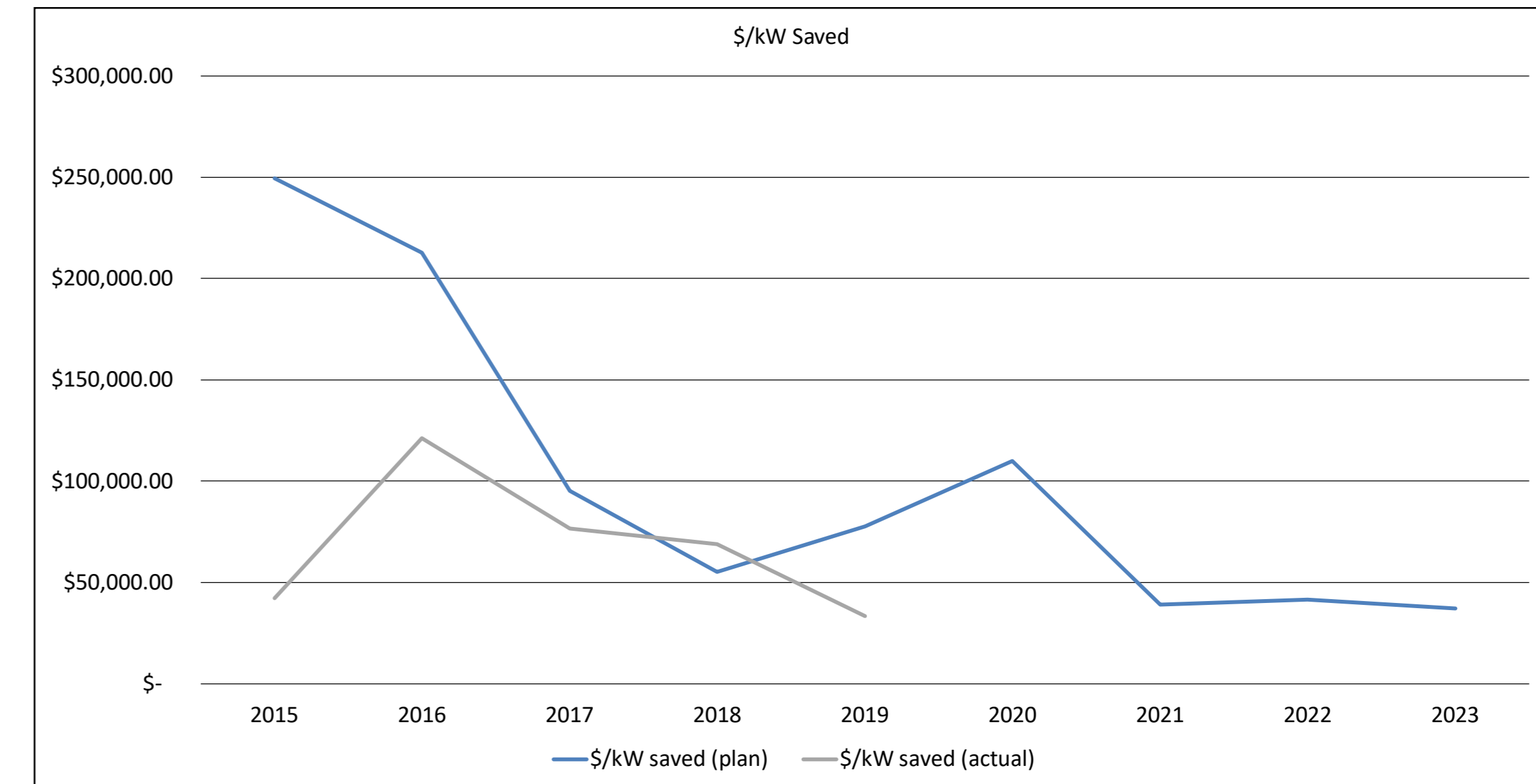
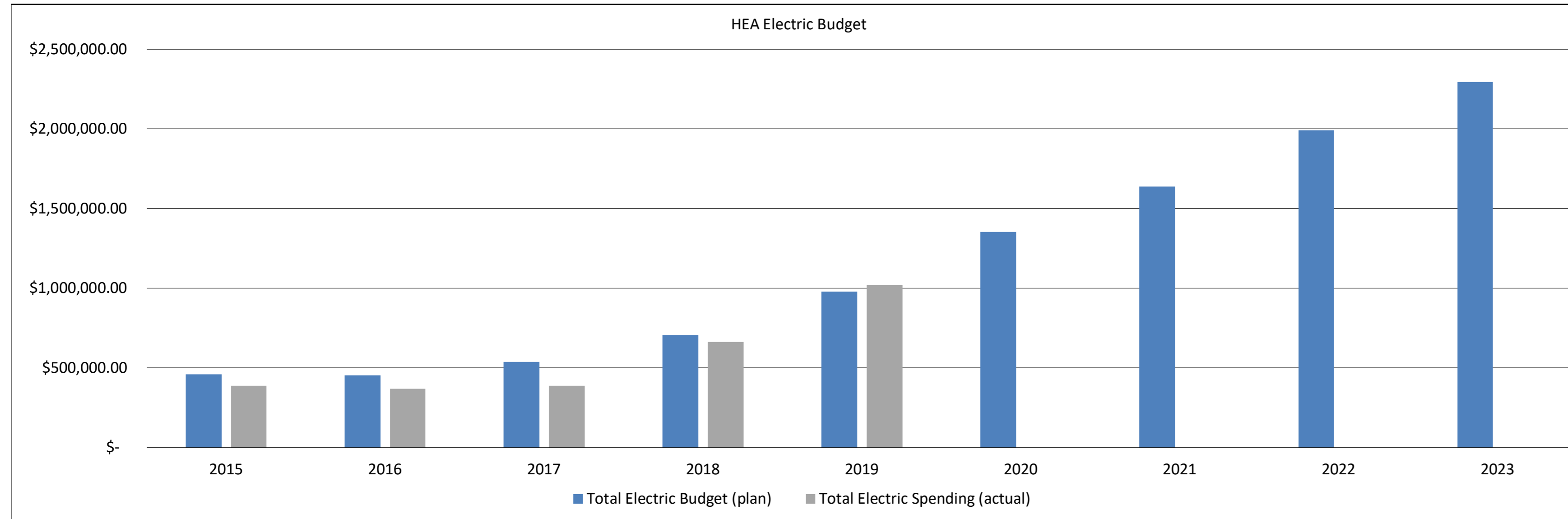
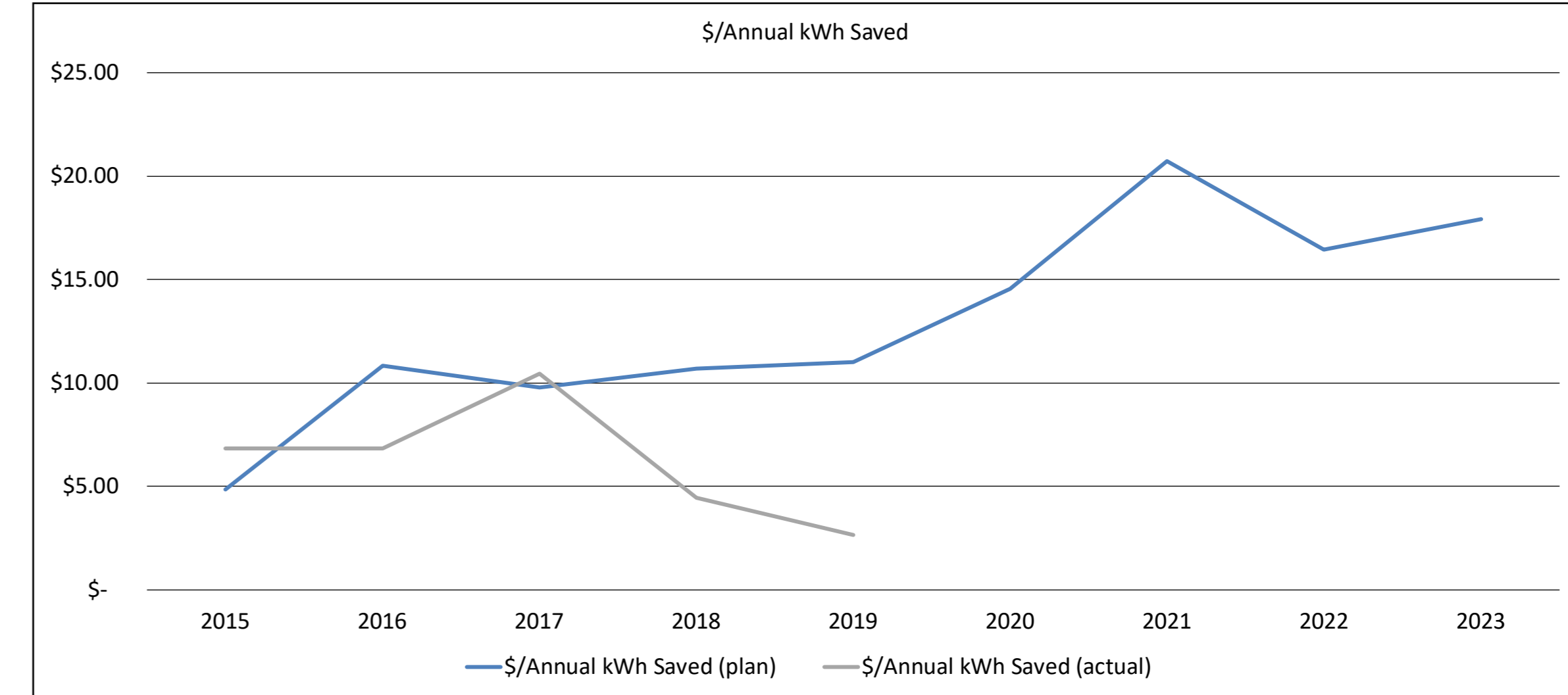
Rate Class	Customer Group		(a)	(b)	(c)			
			05/01/2019 Monthly Distribution Charge	Jan - Dec Billing Determinants	Customer/ Meter/ Luminaire	Demand	kWh	Total
Residential Rate R	Standard Rate	Customer Charge	\$ 16.22	808,335	\$ 13,111,194			
		All kWh	\$ 0.03558	483,929,101		\$ 17,218,197	\$ 30,329,391	
Total Rate R	Customers			808,335				
	Meters			n/a				
	KWH			483,929,101				
	Revenue				\$ 13,111,194	\$ -	\$ 17,218,197	\$ 30,329,391
General Rate G2	Standard Rate	Customer Charge	\$ 29.19	125,661	\$ 3,668,045			
		Demand charge (All KW)	\$ 10.51	1,316,550		\$ 13,836,941		
		All KWH	\$ -	337,338,818		\$ -		
		Transformer Ownership Credit, G2	\$ (0.50000)	38,931		\$ (19,466)	\$ 17,485,520	
	G2 - kWh Meter	Customer Charge	\$ 18.38	4,726	\$ 86,864			
		All KWH	\$ 0.00883	500,439		\$ 4,419	\$ 91,283	
QR Water Heating and/or Space Heat	Customer Charge	All KWH	\$ 9.73	3,107	\$ 30,231			
		All KWH	\$ 0.03204	4,942,809		\$ 158,368	\$ 188,599	
Total Rate G2	Customers			133,494				
	Meters			n/a				
	Billing demand			1,316,550				
	KWH			342,782,066				
	Revenue				\$ 3,785,140	\$ 13,817,475	\$ 162,786	\$ 17,765,401
Large General Rate G1	Standard Rate	Customer Charge Secondary Voltage	\$ 162.18	1,582	\$ 256,569			
		Customer Charge Primary Voltage	\$ 86.49	394	\$ 34,077			
		All kVA	\$ 7.60	1,021,630		\$ 7,764,388		
		All KWH	\$ -	327,838,600		\$ -		
		Transformer Ownership Credit, G1	\$ (0.50000)	347,131		\$ (173,566)	\$ 7,881,468	
Total Rate G1	Customers Secondary Voltage			1,582				
	Customers Primary Voltage			394				
	Meters			n/a				
	Billing demand			1,021,630				
	KWH			327,838,600				
	Revenue				\$ 290,646	\$ 7,590,823	\$ -	\$ 7,881,468

Outdoor Lighting Rate OL	100	Mercury Vapor Street	\$13.28	10,729	\$	142,484		
	175	Mercury Vapor Street	\$15.75	545	\$	8,586		
	250	Mercury Vapor Street	\$17.85	576	\$	10,284		
	400	Mercury Vapor Street	\$21.25	1,061	\$	22,551		
	1000	Mercury Vapor Street	\$42.19	16	\$	675		
	250	Mercury Vapor Flood	\$19.02	488	\$	9,281		
	400	Mercury Vapor Flood	\$22.75	736	\$	16,753		
	1000	Mercury Vapor Flood	\$37.70	112	\$	4,227		
	100	Mercury Vapor Power Bracket	\$13.41	2,848	\$	38,195		
	175	Mercury Vapor Power Bracket	\$14.87	401	\$	5,968		
	50	Sodium Vapor Street	\$13.52	28,508	\$	385,424		
	100	Sodium Vapor Street	\$15.22	850	\$	12,944		
	150	Sodium Vapor Street	\$15.28	2,885	\$	44,076		
	250	Sodium Vapor Street	\$19.14	9,178	\$	175,658		
	400	Sodium Vapor Street	\$24.13	1,920	\$	46,328		
	1000	Sodium Vapor Street	\$41.66	1,089	\$	45,368		
	150	Sodium Vapor Flood	\$17.61	1,881	\$	33,127		
	250	Sodium Vapor Flood	\$20.76	2,576	\$	53,485		
	400	Sodium Vapor Flood	\$23.58	3,246	\$	76,536		
	1000	Sodium Vapor Flood	\$42.03	1,747	\$	73,444		
	50	Sodium Vapor Power Bracket	\$12.51	942	\$	11,779		
	100	Sodium Vapor Power Bracket	\$14.04	589	\$	8,264		
	175	Metal Halide Street	\$19.91	9	\$	169		
	250	Metal Halide Street	\$21.65	-	\$	-		
	400	Metal Halide Street	\$22.45	-	\$	-		
	175	Metal Halide Flood	\$23.00	-	\$	-		
	250	Metal Halide Flood	\$24.83	-	\$	-		
	400	Metal Halide Flood	\$24.88	-	\$	-		
	1000	Metal Halide Flood	\$32.22	-	\$	-		
	175	Metal Halide Power Bracket	\$18.63	-	\$	-		
	250	Metal Halide Power Bracket	\$19.81	-	\$	-		
	400	Metal Halide Power Bracket	\$21.17	296	\$	6,269		
	42	LED Area Light Fixture	\$13.16	-	\$	-		
	57	LED Area Light Fixture	\$13.21	-	\$	-		
	25	LED Cobra Head Fixture	\$13.11	-	\$	-		
	88	LED Cobra Head Fixture	\$13.30	-	\$	-		
	108	LED Cobra Head Fixture	\$13.36	-	\$	-		
	193	LED Cobra Head Fixture	\$13.62	-	\$	-		
	123	LED Flood Light Fixture	\$13.41	-	\$	-		
	194	LED Flood Light Fixture	\$13.62	-	\$	-		
	297	LED Flood Light Fixture	\$13.93	-	\$	-		
Total Rate OL		Luminaires		73,228				
		Customers	n/a					
		Meters	-					
		KWH	\$ -	7,942,212				
		Revenue			\$	1,231,875	\$ -	\$ 1,231,875
Total Retail		Customers	943,411					
		Meters	n/a					
		Luminaires	73,228					
		Billing Demand	2,338,180					
		KWH	1,162,491,979					
		Revenue			\$	17,186,979	\$ 22,640,172	\$ 17,380,984 \$ 57,208,135

Home Energy Assistance

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 459,624.42	\$ 455,327.00	\$ 538,873.80	\$ 706,636.00	\$ 980,094.04	\$ 1,353,130.64	\$ 1,637,475.76	\$ 1,991,184.16	\$ 2,293,499.04
	Total Annual Electric Savings (kWh) (plan)	\$ 94,642.13	\$ 42,000.00	\$ 55,000.00	\$ 66,000.00	\$ 89,000.00	\$ 93,000.00	\$ 79,000.00	\$ 121,000.00	\$ 128,000.00
	\$/Annual kWh Saved (plan)	\$ 4.86	\$ 10.84	\$ 9.80	\$ 10.71	\$ 11.01	\$ 14.55	\$ 20.73	\$ 16.46	\$ 17.92
2)	Total Electric Budget	\$ 459,624.42	\$ 455,327.00	\$ 538,873.80	\$ 706,636.00	\$ 980,094.04	\$ 1,353,130.64	\$ 1,637,475.76	\$ 1,991,184.16	\$ 2,293,499.04
	Total kW saved	\$ 1.84	\$ 2.14	\$ 5.65	\$ 12.81	\$ 12.61	\$ 12.29	\$ 41.72	\$ 47.78	\$ 61.64
	\$/kW saved (plan)	\$ 249,518.52	\$ 212,854.29	\$ 95,350.21	\$ 55,141.71	\$ 77,735.31	\$ 110,144.78	\$ 39,248.59	\$ 41,676.02	\$ 37,210.50
3)	Total Electric Budget	\$ 459,624.42	\$ 455,327.00	\$ 538,873.80	\$ 706,636.00	\$ 980,094.04	\$ 1,353,130.64	\$ 1,637,475.76	\$ 1,991,184.16	\$ 2,293,499.04
	Total Fuel Neutral MMBtu Saved	\$ 1,261.63	\$ 1,465.79	\$ 1,892.00	\$ 2,293.60	\$ 3,102.63	\$ 2,948.24	\$ 3,322.67	\$ 4,584.40	\$ 5,553.93
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 364.31	\$ 310.64	\$ 284.82	\$ 308.09	\$ 315.89	\$ 458.96	\$ 492.82	\$ 434.34	\$ 412.95

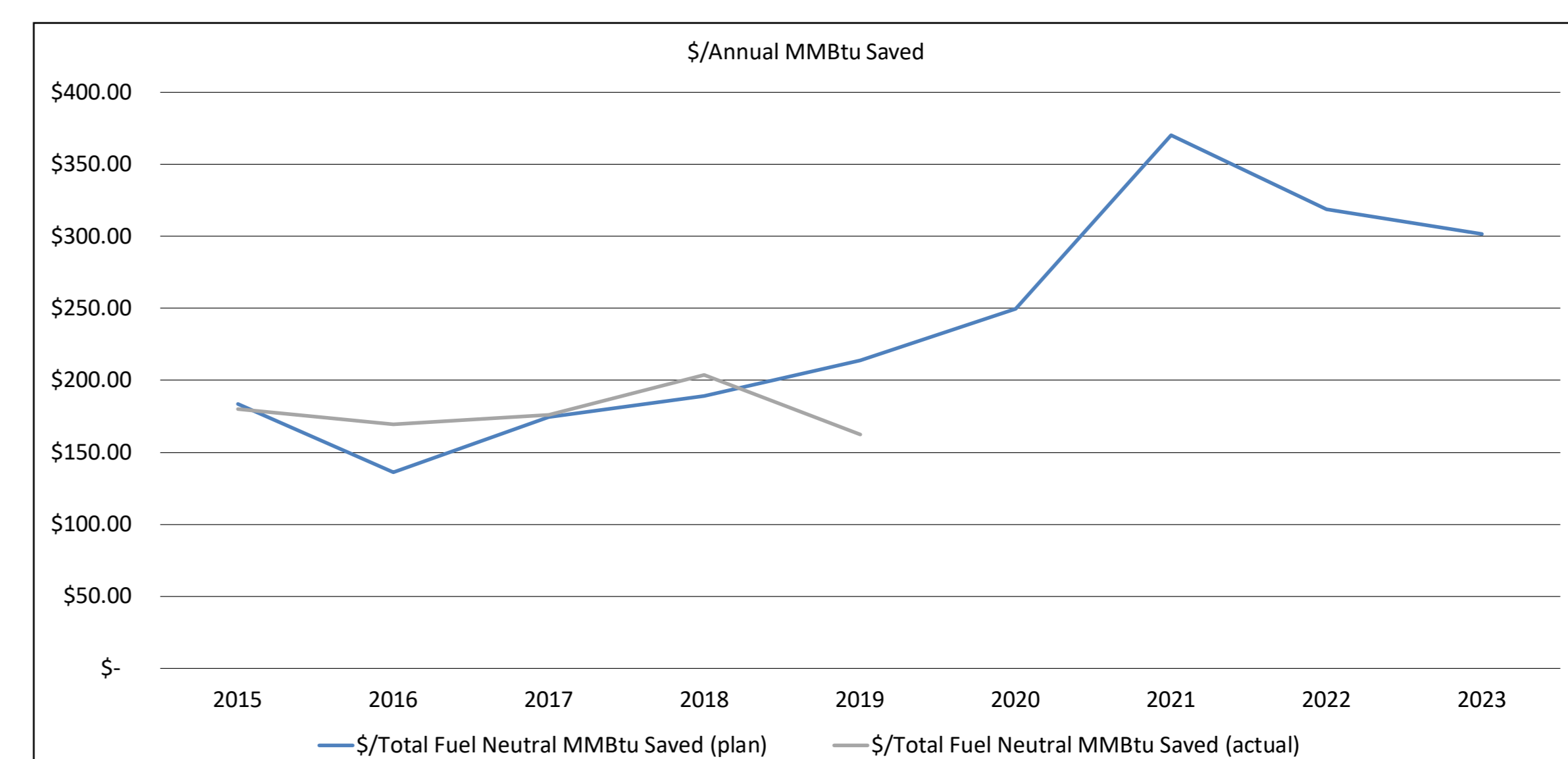
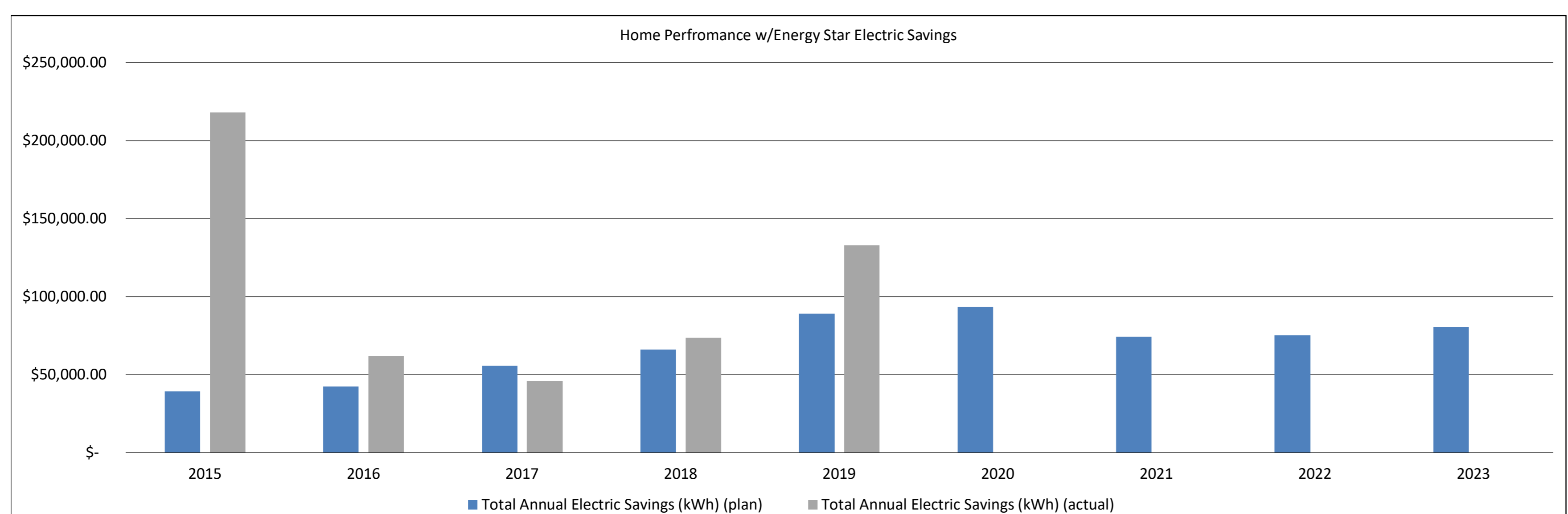
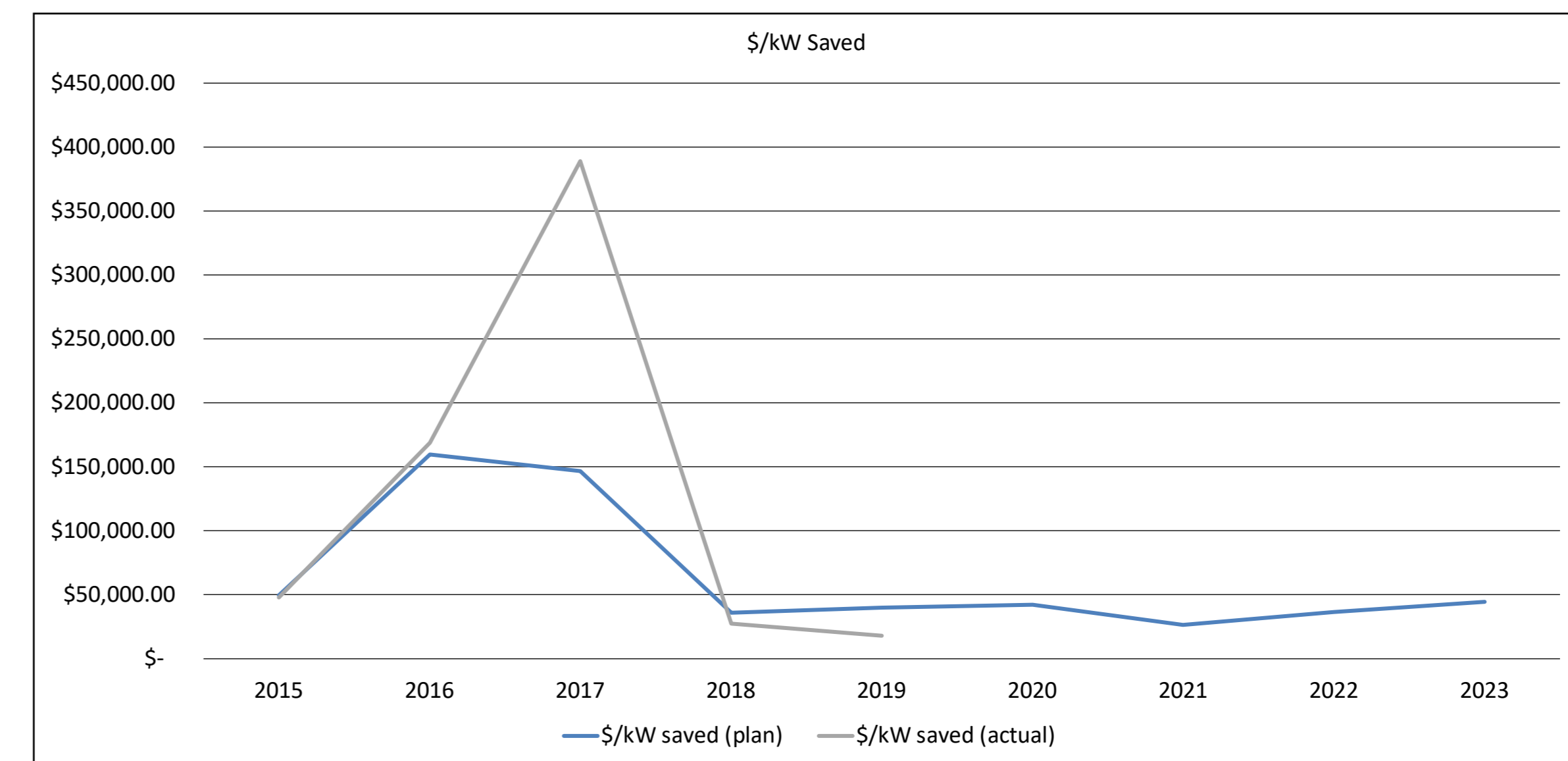
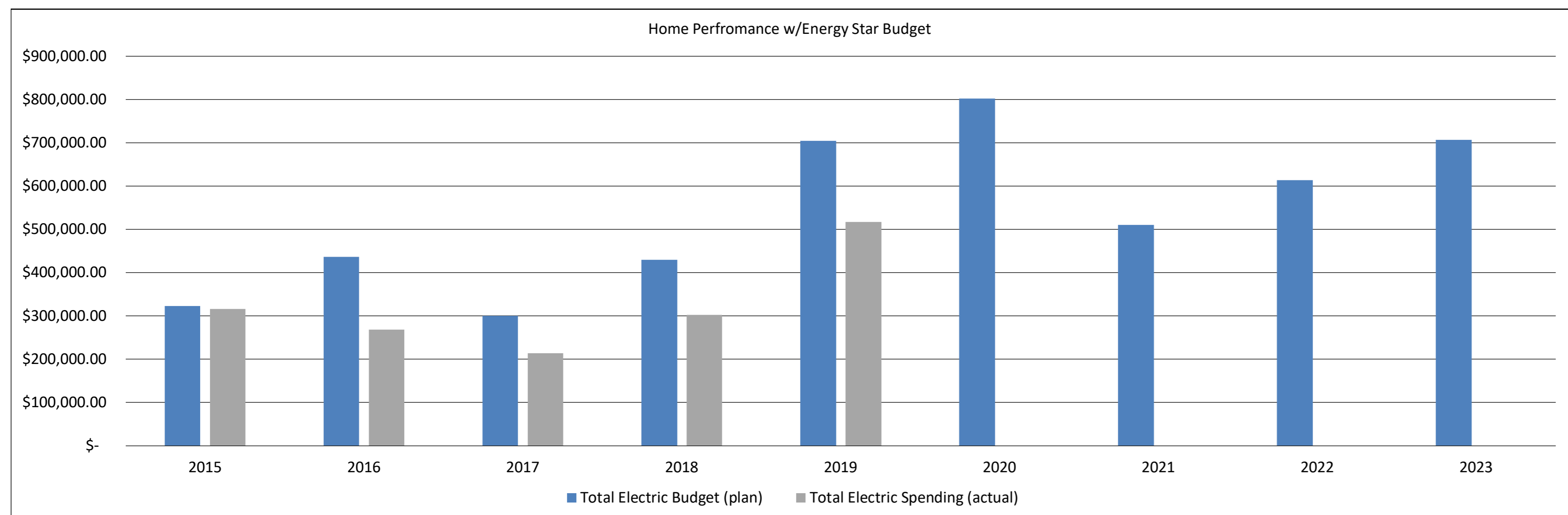
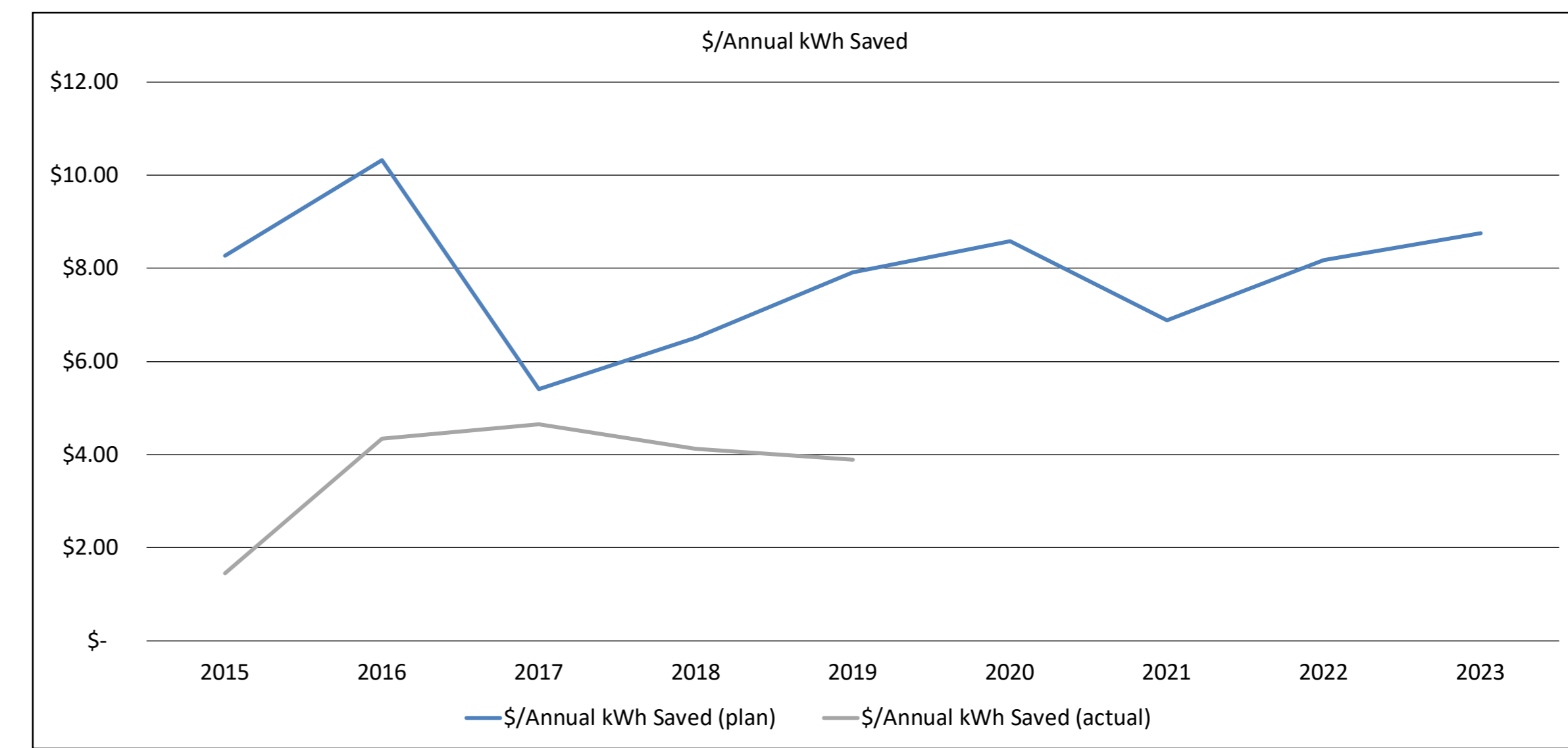
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 389,541.09	\$ 369,329.15	\$ 388,231.12	\$ 662,392.08	\$ 1,020,067.22
	Total Annual Electric Savings (kWh) (actual)	\$ 56,811.45	\$ 54,123.54	\$ 37,139.55	\$ 149,020.93	\$ 383,834.11
	\$/Annual kWh Saved (actual)	\$ 6.86	\$ 6.82	\$ 10.45	\$ 4.44	\$ 2.66
2)	Total Electric Spending	\$ 389,541.09	\$ 369,329.15	\$ 388,231.12	\$ 662,392.08	\$ 1,020,067.22
	Total kW saved	\$ 9.19	\$ 3.05	\$ 5.07	\$ 9.62	\$ 30.50
	\$/kW saved (actual)	\$ 42,400.58	\$ 121,244.48	\$ 76,538.42	\$ 68,882.77	\$ 33,448.34
3)	Total Electric Spending	\$ 389,541.09	\$ 369,329.15	\$ 388,231.12	\$ 662,392.08	\$ 1,020,067.22
	Total Fuel Neutral MMBtu Saved	\$ 1,118.95	\$ 1,228.97	\$ 1,058.07	\$ 1,595.98	\$ 1,367.60
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ 348.13	\$ 300.52	\$ 366.92	\$ 415.04	\$ 745.88



Home Performance w/Energy Star

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 322,989.57	\$ 436,630.68	\$ 299,999.99	\$ 429,999.86	\$ 704,299.65	\$ 801,804.38	\$ 510,435.00	\$ 614,062.95	\$ 706,308.88
	Total Annual Electric Savings (kWh) (plan)	\$ 39,052.59	\$ 42,288.52	\$ 55,484.65	\$ 66,052.08	\$ 89,008.00	\$ 93,440.33	\$ 74,079.95	\$ 75,025.98	\$ 80,633.14
	\$/Annual kWh Saved (plan)	\$ 8.27	\$ 10.33	\$ 5.41	\$ 6.51	\$ 7.91	\$ 8.58	\$ 6.89	\$ 8.18	\$ 8.76
2)	Total Electric Budget	\$ 322,989.57	\$ 436,630.68	\$ 299,999.99	\$ 429,999.86	\$ 704,299.65	\$ 801,804.38	\$ 510,435.00	\$ 614,062.95	\$ 706,308.88
	Total kW saved	\$ 6.53	\$ 2.73	\$ 2.05	\$ 11.94	\$ 17.60	\$ 19.01	\$ 19.27	\$ 16.87	\$ 15.83
	\$/kW saved (plan)	\$ 49,489.06	\$ 159,701.47	\$ 146,686.52	\$ 36,008.82	\$ 40,012.62	\$ 42,173.51	\$ 26,488.98	\$ 36,399.86	\$ 44,611.69
3)	Total Electric Budget	\$ 322,989.57	\$ 436,630.68	\$ 299,999.99	\$ 429,999.86	\$ 704,299.65	\$ 801,804.38	\$ 510,435.00	\$ 614,062.95	\$ 706,308.88
	Total Fuel Neutral MMBtu Saved	\$ 1,759.57	\$ 3,210.97	\$ 1,717.60	\$ 2,270.40	\$ 3,291.00	\$ 3,209.40	\$ 1,379.01	\$ 1,924.99	\$ 2,342.70
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 183.56	\$ 135.98	\$ 174.66	\$ 189.39	\$ 214.01	\$ 249.83	\$ 370.15	\$ 319.00	\$ 301.49

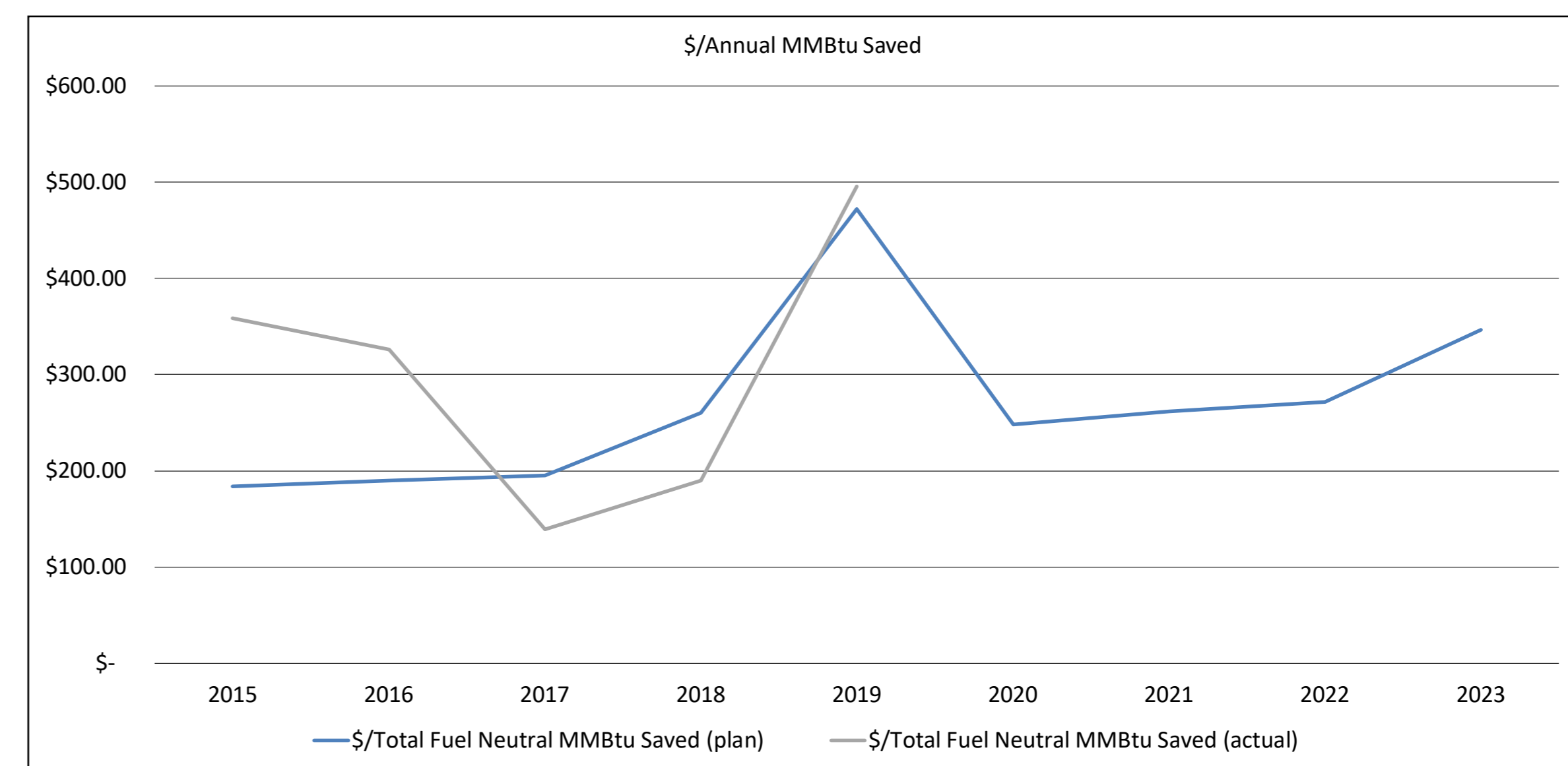
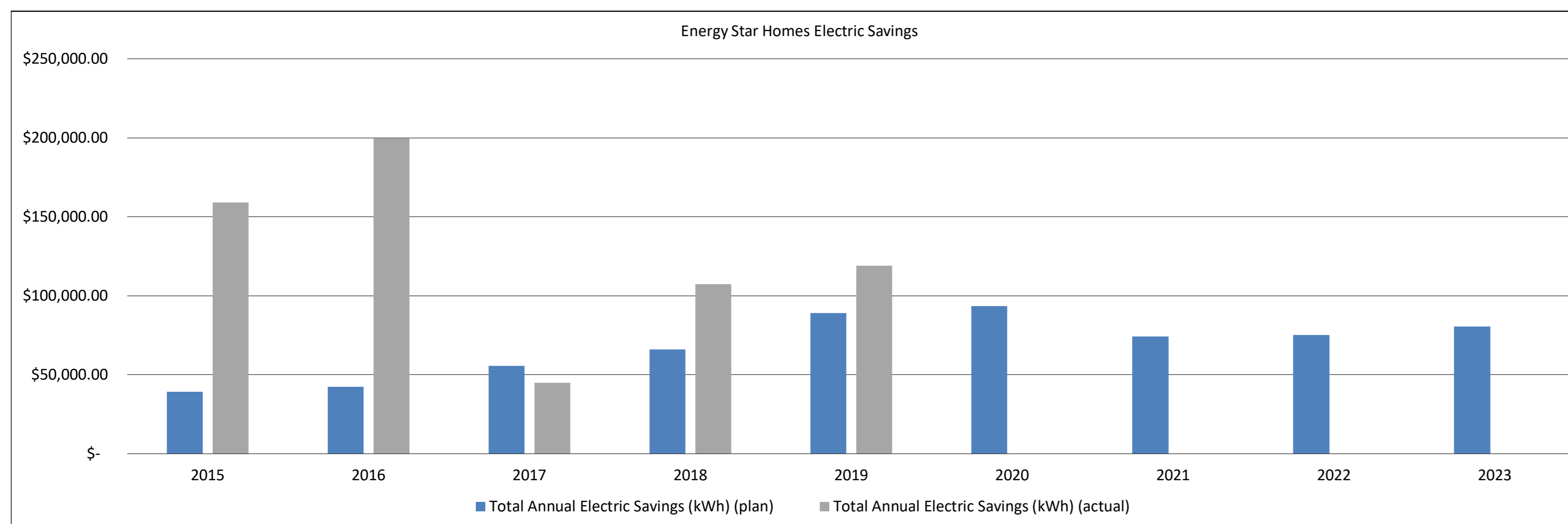
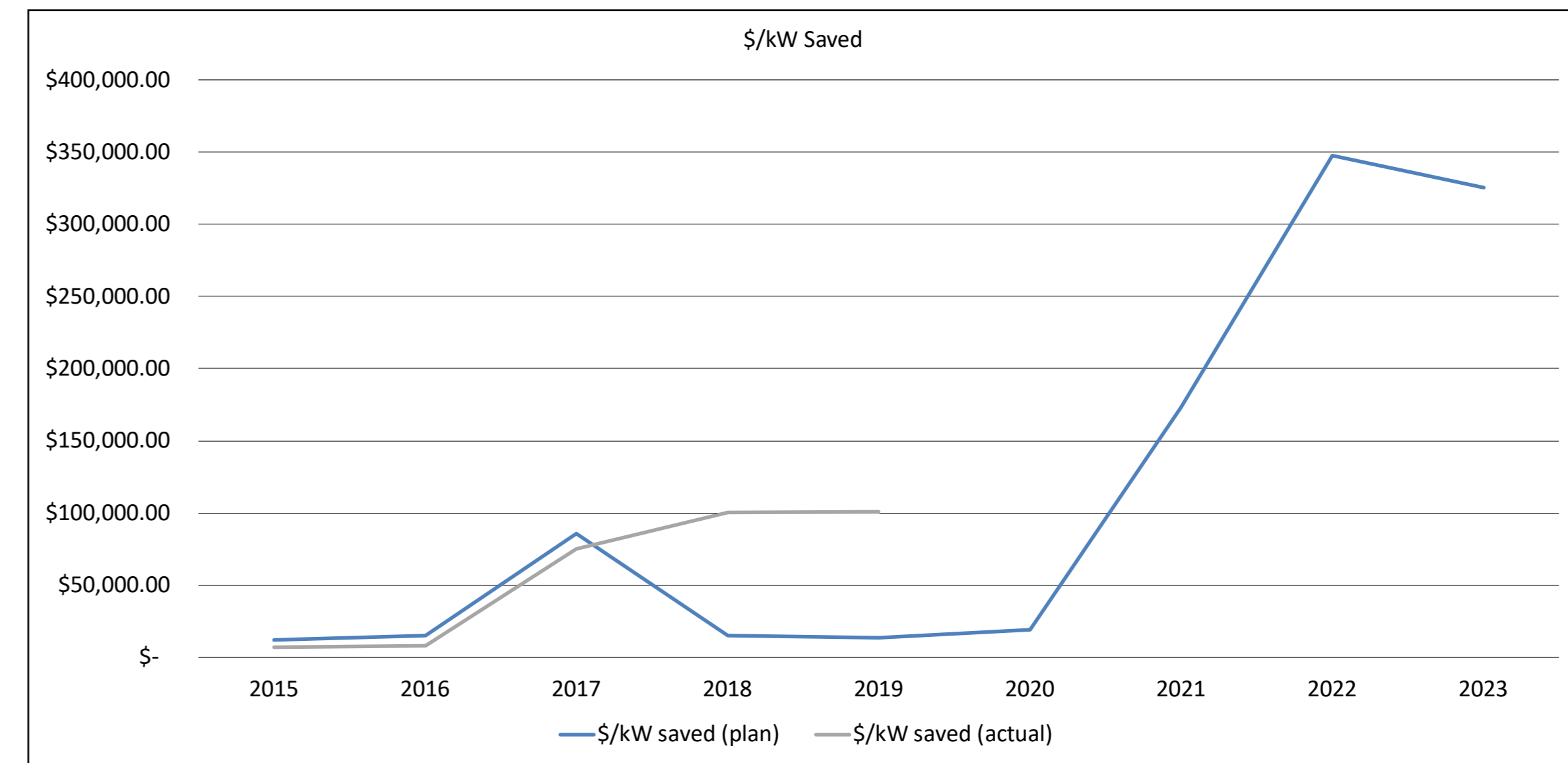
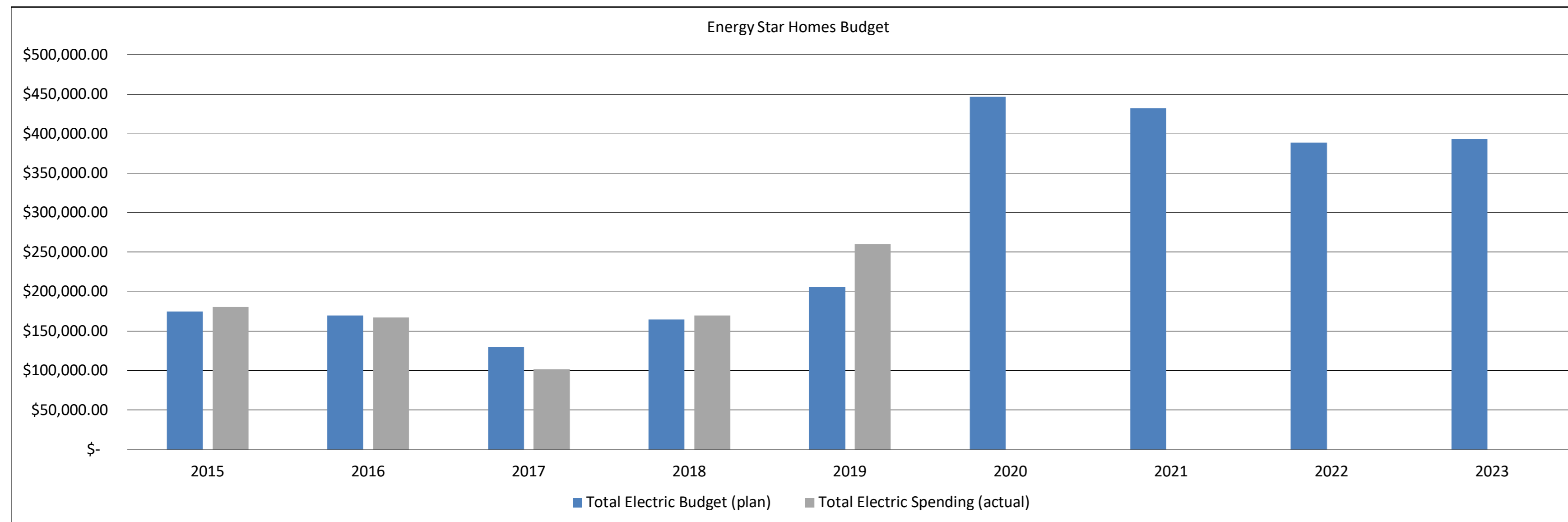
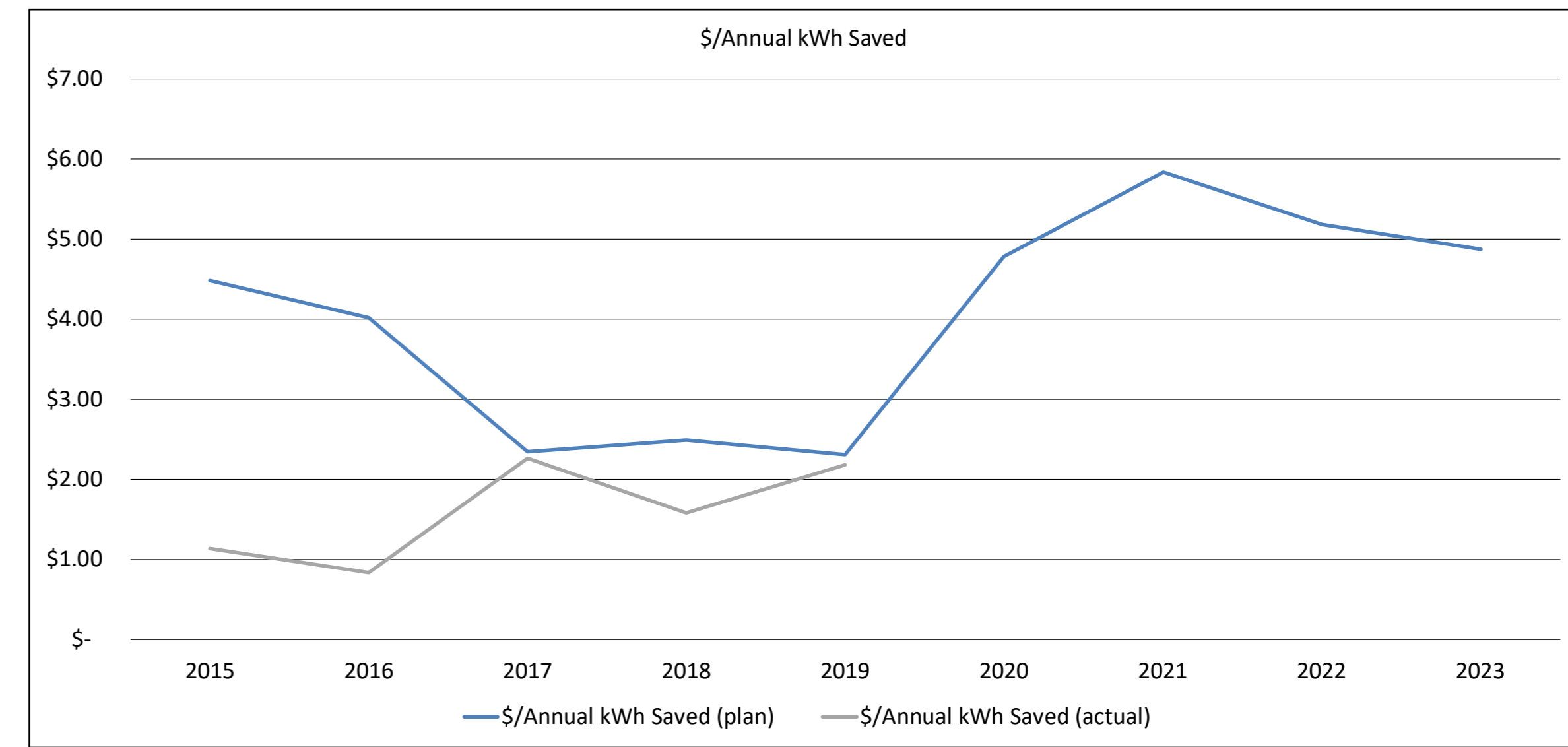
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 316,628.56	\$ 268,193.38	\$ 213,461.99	\$ 302,725.58	\$ 517,027.72
	Total Annual Electric Savings (kWh) (actual)	\$ 218,041.56	\$ 61,812.00	\$ 45,885.13	\$ 73,424.52	\$ 132,836.00
	\$/Annual kWh Saved (actual)	\$ 1.45	\$ 4.34	\$ 4.65	\$ 4.12	\$ 3.89
2)	Total Electric Spending	\$ 316,628.56	\$ 268,193.38	\$ 213,461.99	\$ 302,725.58	\$ 517,027.72
	Total kW saved	\$ 6.63	\$ 1.59	\$ 0.55	\$ 11.07	\$ 28.69
	\$/kW saved (actual)	\$ 47,749.41	\$ 168,737.76	\$ 389,003.51	\$ 27,348.88	\$ 18,020.38
3)	Total Electric Spending	\$ 316,628.56	\$ 268,193.38	\$ 213,461.99	\$ 302,725.58	\$ 517,027.72
	Total Fuel Neutral MMBtu Saved	\$ 1,757.81	\$ 1,583.90	\$ 1,212.18	\$ 1,486.46	\$ 3,179.20
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ 180.13	\$ 169.32	\$ 176.10	\$ 203.66	\$ 162.63



Energy Star Homes

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 175,000.00	\$ 170,000.00	\$ 130,000.28	\$ 164,703.66	\$ 205,783.48	\$ 446,820.72	\$ 432,654.50	\$ 388,625.67	\$ 392,937.05
	Total Annual Electric Savings (kWh) (plan)	\$ 39,052.59	\$ 42,288.52	\$ 55,484.65	\$ 66,052.08	\$ 89,008.00	\$ 93,440.33	\$ 74,079.95	\$ 75,025.98	\$ 80,633.14
	\$/Annual kWh Saved (plan)	\$ 4.48	\$ 4.02	\$ 2.34	\$ 2.49	\$ 2.31	\$ 4.78	\$ 5.84	\$ 5.18	\$ 4.87
2)	Total Electric Budget	\$ 175,000.00	\$ 170,000.00	\$ 130,000.28	\$ 164,703.66	\$ 205,783.48	\$ 446,820.72	\$ 432,654.50	\$ 388,625.67	\$ 392,937.05
	Total kW saved	\$ 14.34	\$ 11.26	\$ 1.51	\$ 11.06	\$ 15.11	\$ 23.71	\$ 2.50	\$ 1.12	\$ 1.21
	\$/kW saved (plan)	\$ 12,206.20	\$ 15,096.93	\$ 85,871.19	\$ 14,896.90	\$ 13,620.32	\$ 18,842.58	\$ 173,135.34	\$ 347,458.36	\$ 325,440.96
3)	Total Electric Budget	\$ 175,000.00	\$ 170,000.00	\$ 130,000.28	\$ 164,703.66	\$ 205,783.48	\$ 446,820.72	\$ 432,654.50	\$ 388,625.67	\$ 392,937.05
	Total Fuel Neutral MMBtu Saved	\$ 951.23	\$ 894.92	\$ 665.27	\$ 632.42	\$ 436.04	\$ 1,800.00	\$ 1,654.00	\$ 1,432.50	\$ 1,133.50
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 183.97	\$ 189.96	\$ 195.41	\$ 260.43	\$ 471.94	\$ 248.23	\$ 261.58	\$ 271.29	\$ 346.66

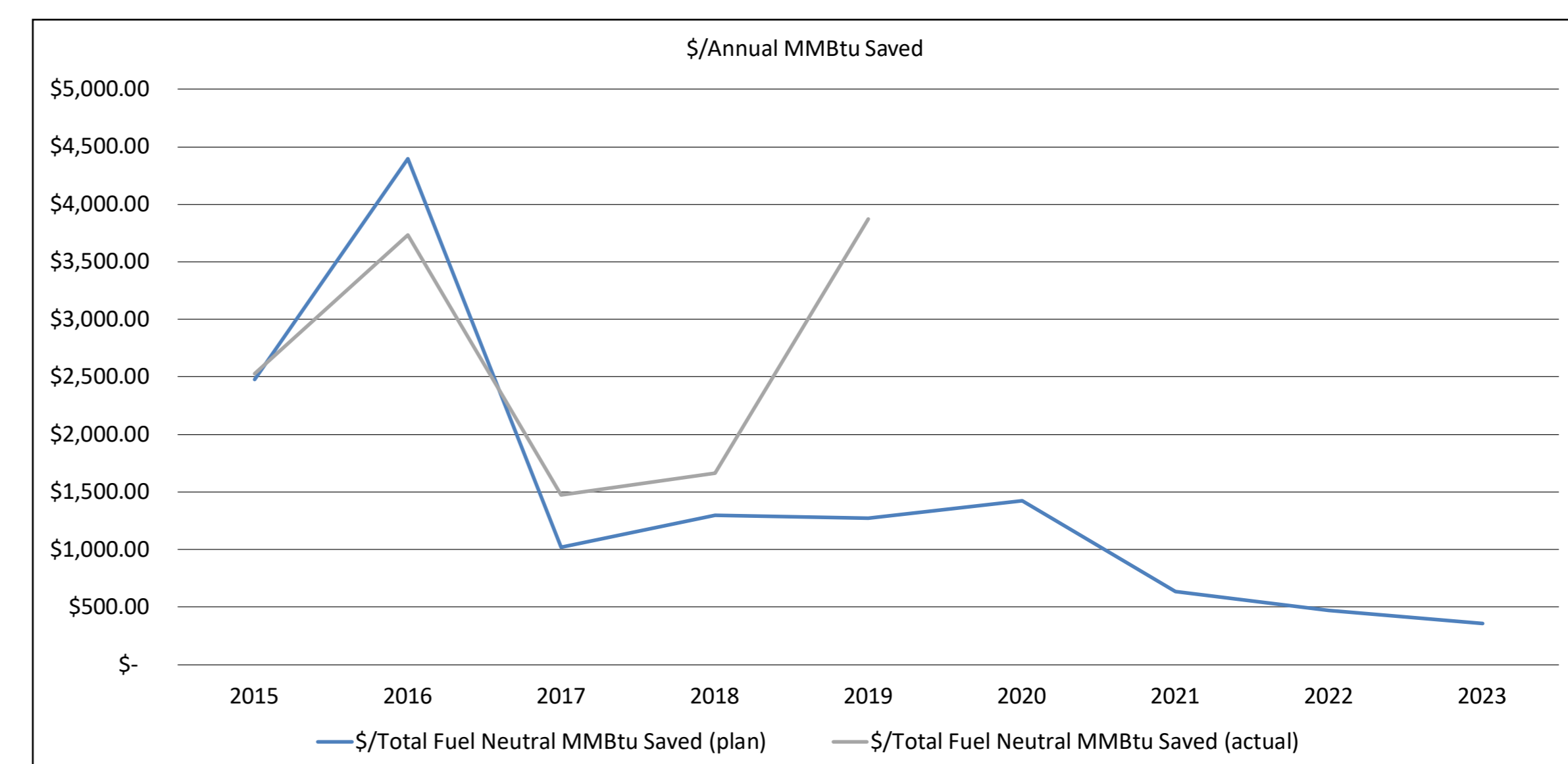
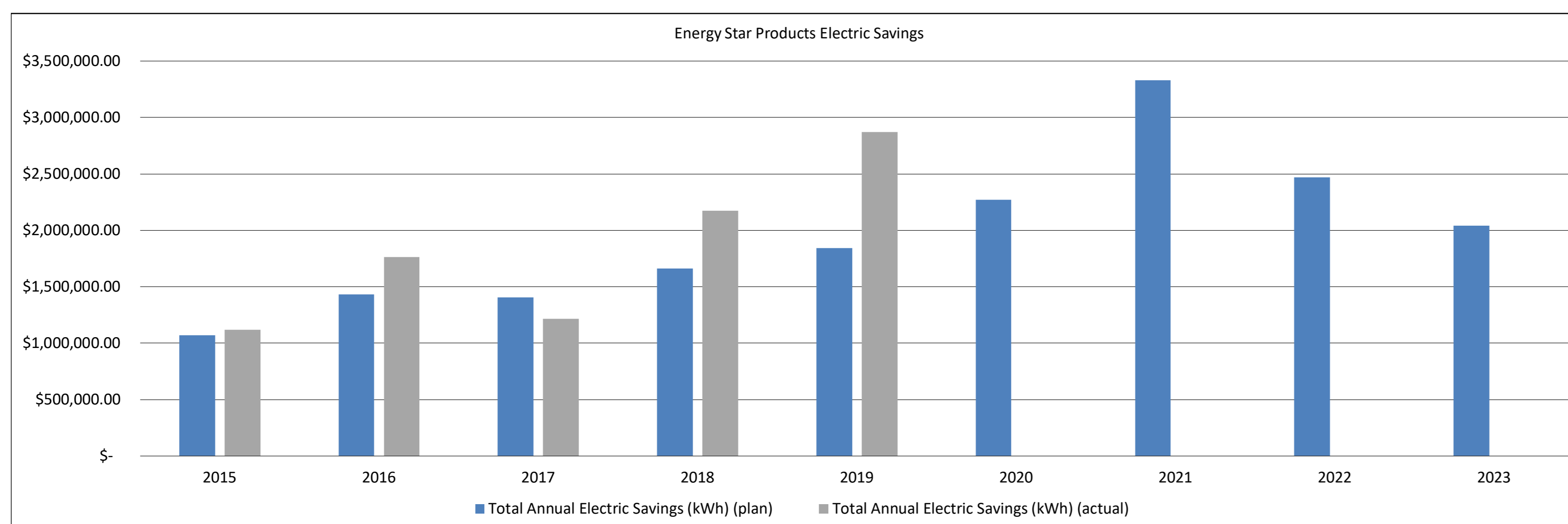
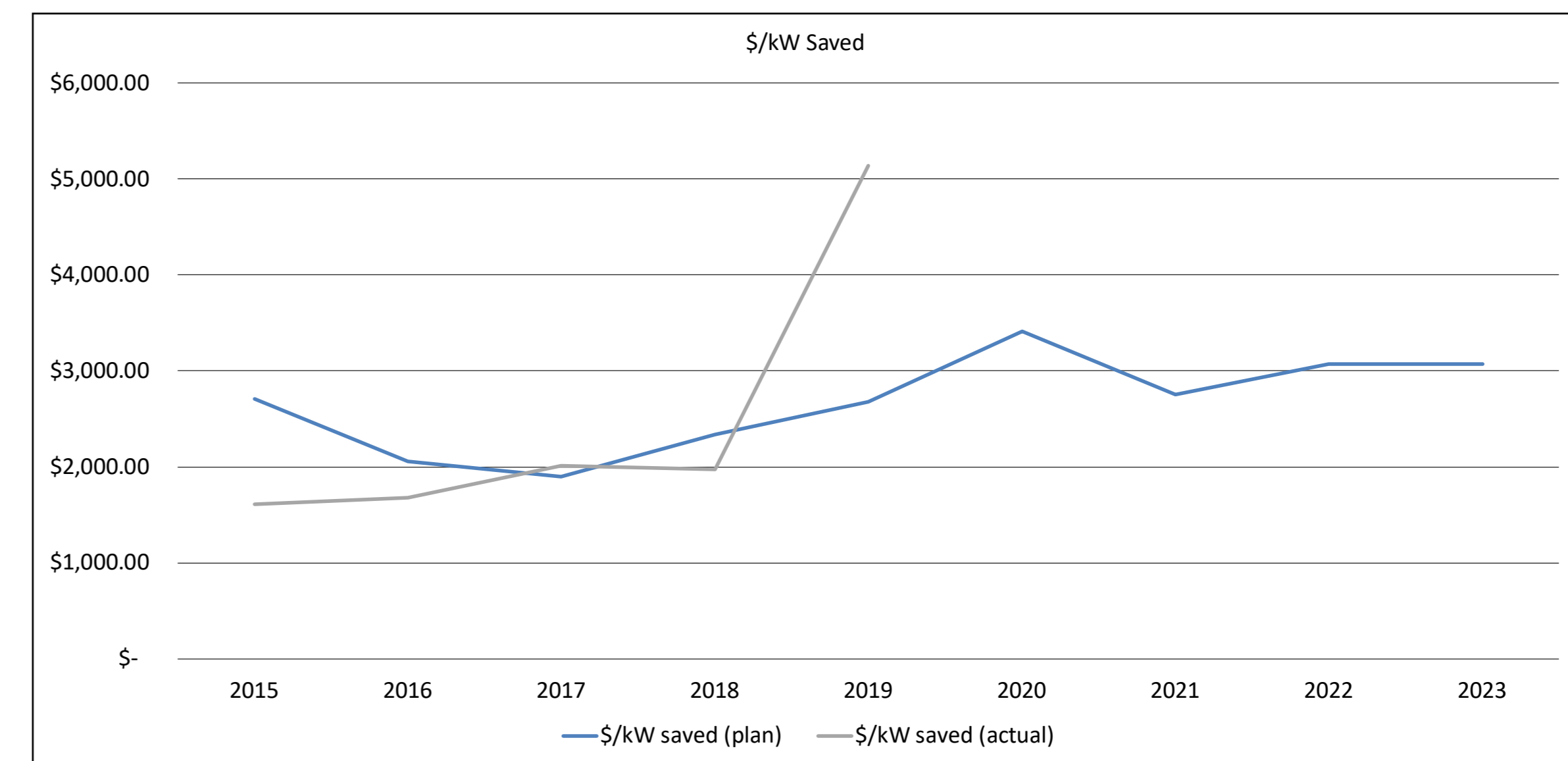
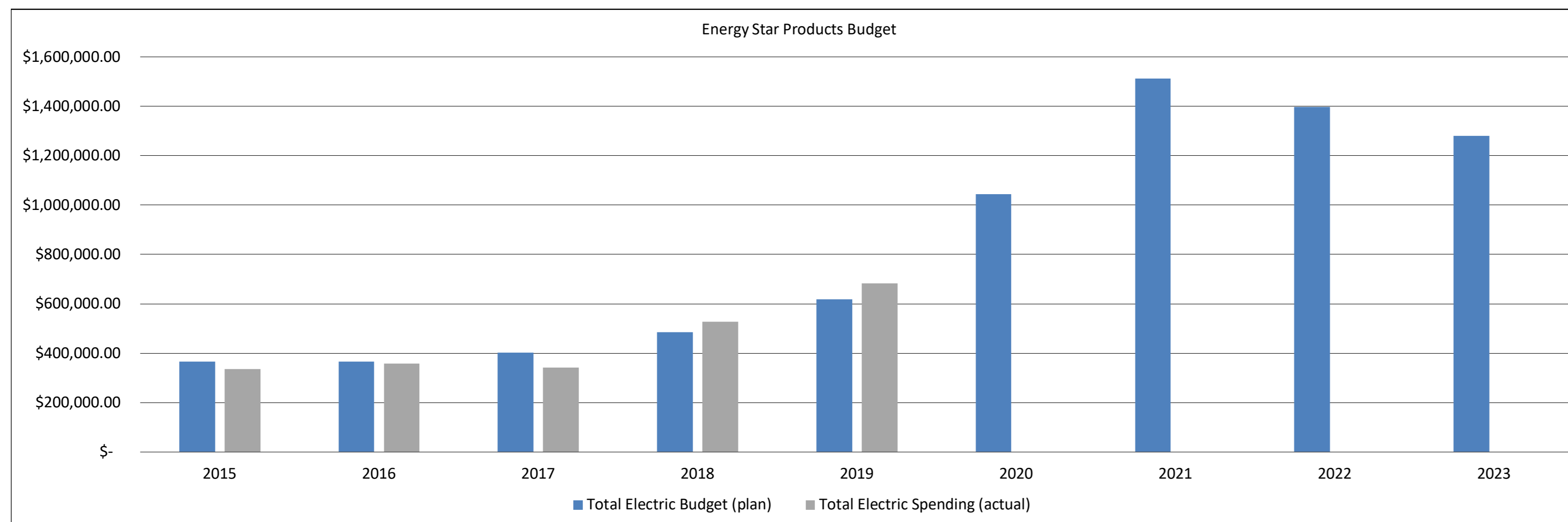
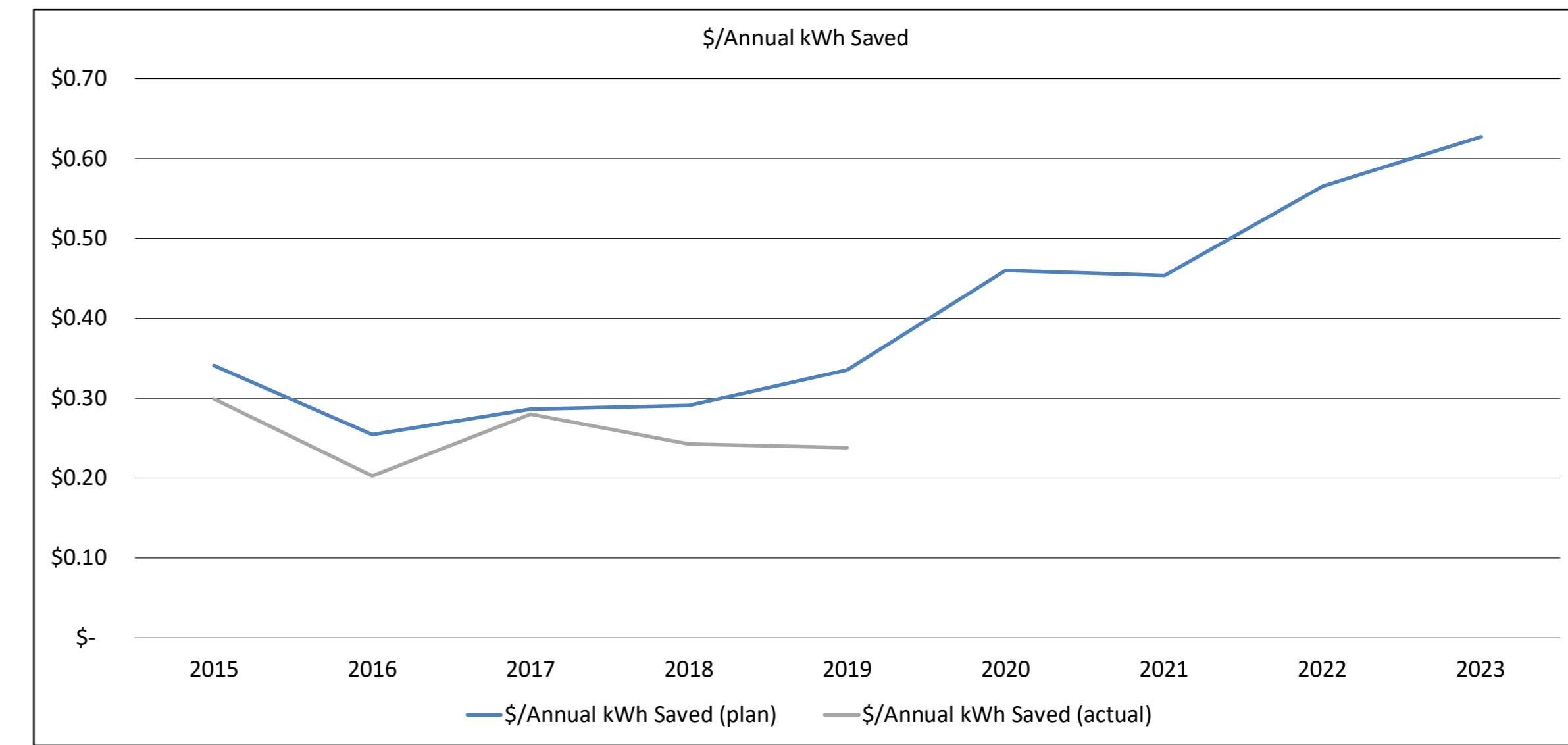
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 180,414.15	\$ 167,126.28	\$ 101,427.40	\$ 169,803.30	\$ 259,859.59
	Total Annual Electric Savings (kWh) (actual)	\$ 159,006.65	\$ 199,654.84	\$ 44,813.33	\$ 107,316.03	\$ 119,010.64
	\$/Annual kWh Saved (actual)	\$ 1.13	\$ 0.84	\$ 2.26	\$ 1.58	\$ 2.18
2)	Total Electric Spending	\$ 180,414.15	\$ 167,126.28	\$ 101,427.40	\$ 169,803.30	\$ 259,859.59
	Total kW saved	\$ 25.18	\$ 21.15	\$ 1.35	\$ 1.69	\$ 2.58
	\$/kW saved (actual)	\$ 7,166.00	\$ 7,901.61	\$ 75,145.19	\$ 100,446.47	\$ 100,759.00
3)	Total Electric Spending	\$ 180,414.15	\$ 167,126.28	\$ 101,427.40	\$ 169,803.30	\$ 259,859.59
	Total Fuel Neutral MMBtu Saved	\$ 503.05	\$ 512.40	\$ 728.51	\$ 893.50	\$ 523.90
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ 358.64	\$ 326.16	\$ 139.23	\$ 190.04	\$ 496.01



Energy Star Products

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 365,000.00	\$ 365,000.00	\$ 402,825.70	\$ 484,188.44	\$ 617,955.09	\$ 1,044,546.94	\$ 1,513,473.66	\$ 1,397,648.41	\$ 1,281,002.13
	Total Annual Electric Savings (kWh) (plan)	\$ 1,070,382.25	\$ 1,433,378.24	\$ 1,406,463.34	\$ 1,662,668.24	\$ 1,840,674.95	\$ 2,269,568.82	\$ 3,332,321.11	\$ 2,472,125.72	\$ 2,042,077.85
	\$/Annual kWh Saved (plan)	\$ 0.34	\$ 0.25	\$ 0.29	\$ 0.29	\$ 0.34	\$ 0.46	\$ 0.45	\$ 0.57	\$ 0.63
2)	Total Electric Budget	\$ 365,000.00	\$ 365,000.00	\$ 402,825.70	\$ 484,188.44	\$ 617,955.09	\$ 1,044,546.94	\$ 1,513,473.66	\$ 1,397,648.41	\$ 1,281,002.13
	Total kW saved	\$ 134.88	\$ 177.23	\$ 212.54	\$ 207.29	\$ 230.88	\$ 306.11	\$ 549.49	\$ 455.06	\$ 417.36
	\$/kW saved (plan)	\$ 2,706.16	\$ 2,059.49	\$ 1,895.31	\$ 2,335.76	\$ 2,676.48	\$ 3,412.34	\$ 2,754.35	\$ 3,071.36	\$ 3,069.33
3)	Total Electric Budget	\$ 365,000.00	\$ 365,000.00	\$ 402,825.70	\$ 484,188.44	\$ 617,955.09	\$ 1,044,546.94	\$ 1,513,473.66	\$ 1,397,648.41	\$ 1,281,002.13
	Total Fuel Neutral MMBtu Saved	\$ 147.48	\$ 82.97	\$ 394.63	\$ 373.88	\$ 485.14	\$ 733.65	\$ 2,371.60	\$ 2,964.50	\$ 3,557.40
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 2,474.94	\$ 4,399.03	\$ 1,020.76	\$ 1,295.04	\$ 1,273.77	\$ 1,423.77	\$ 638.17	\$ 471.46	\$ 360.10

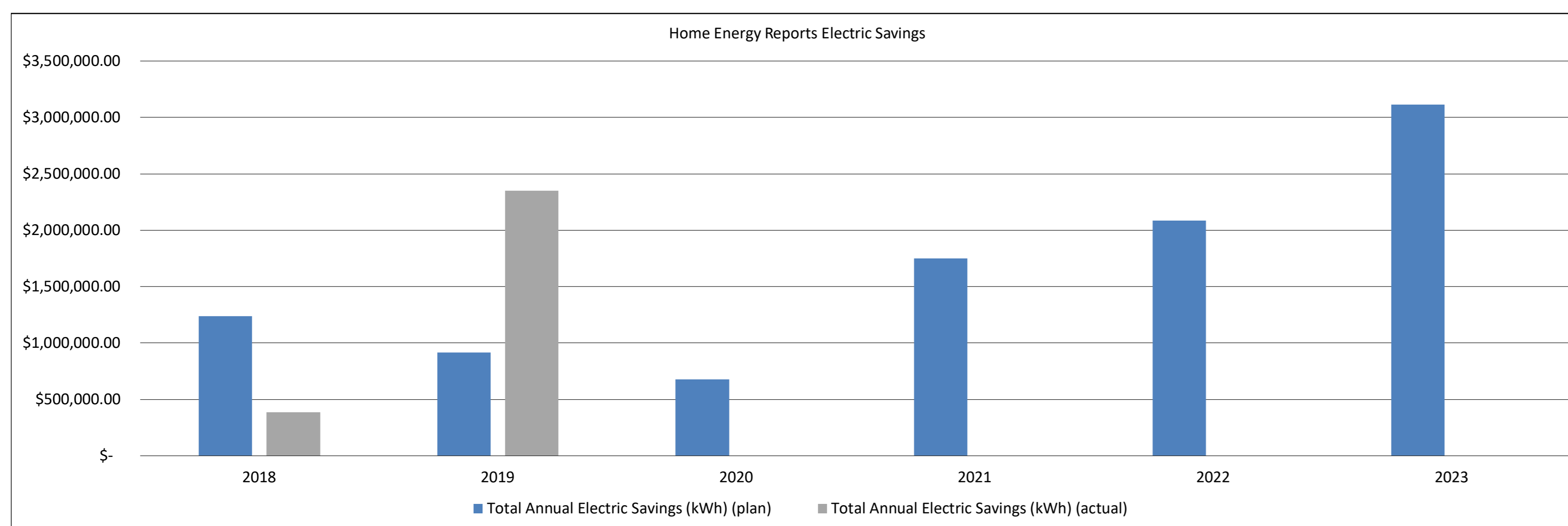
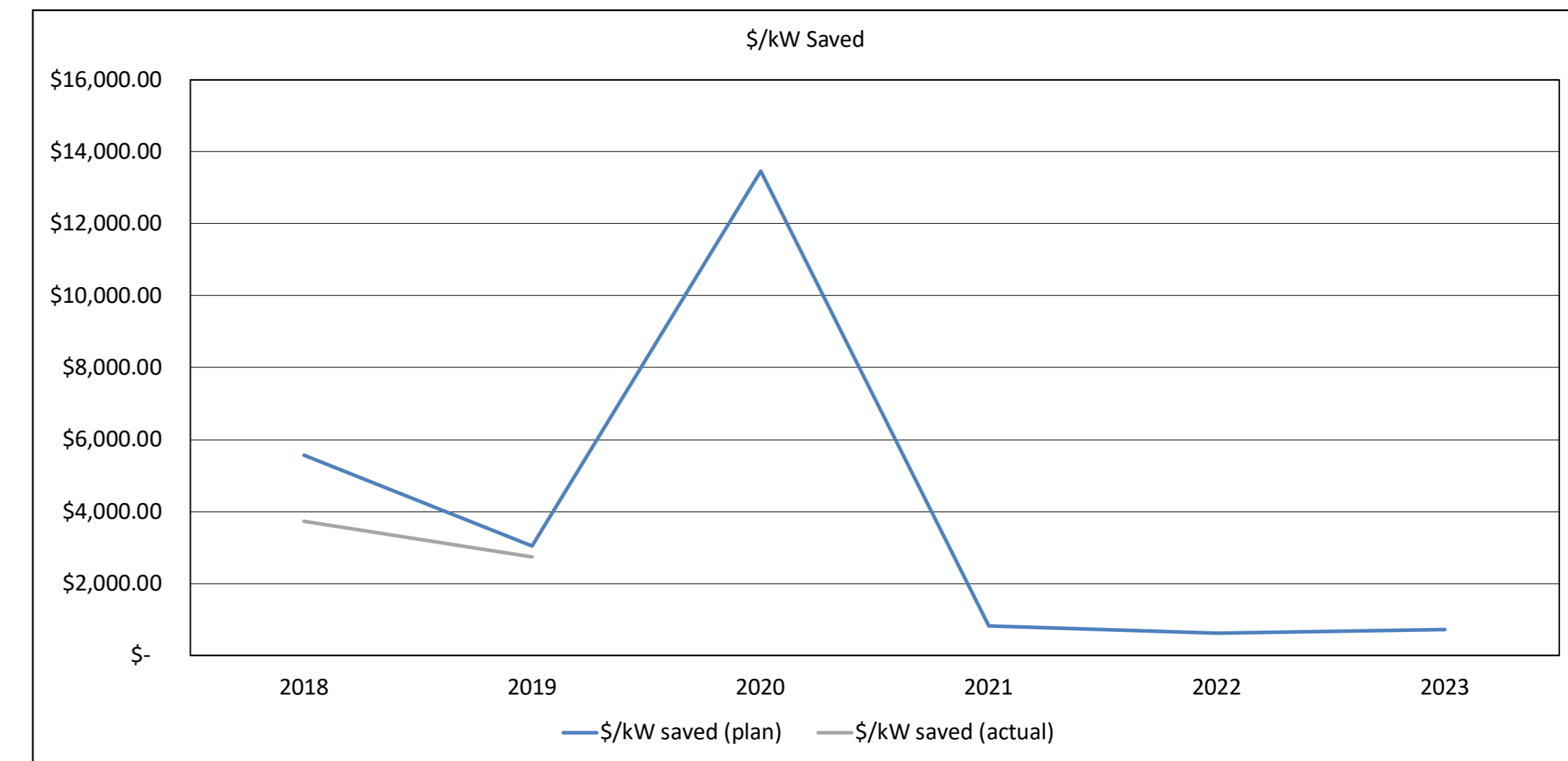
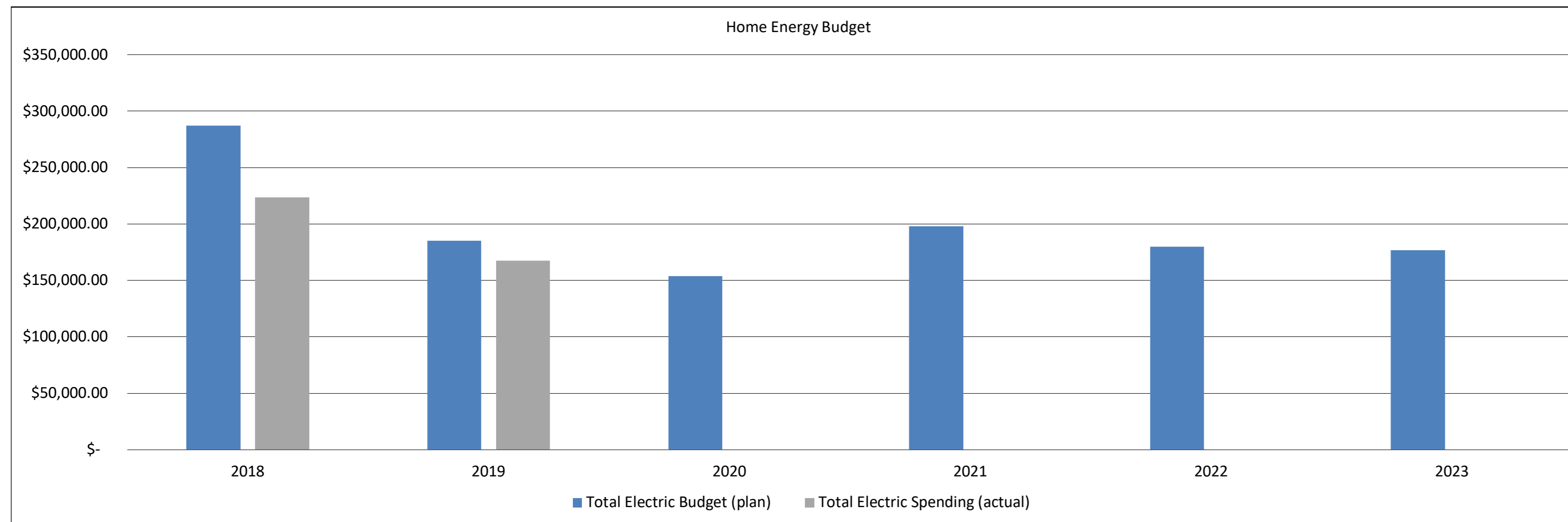
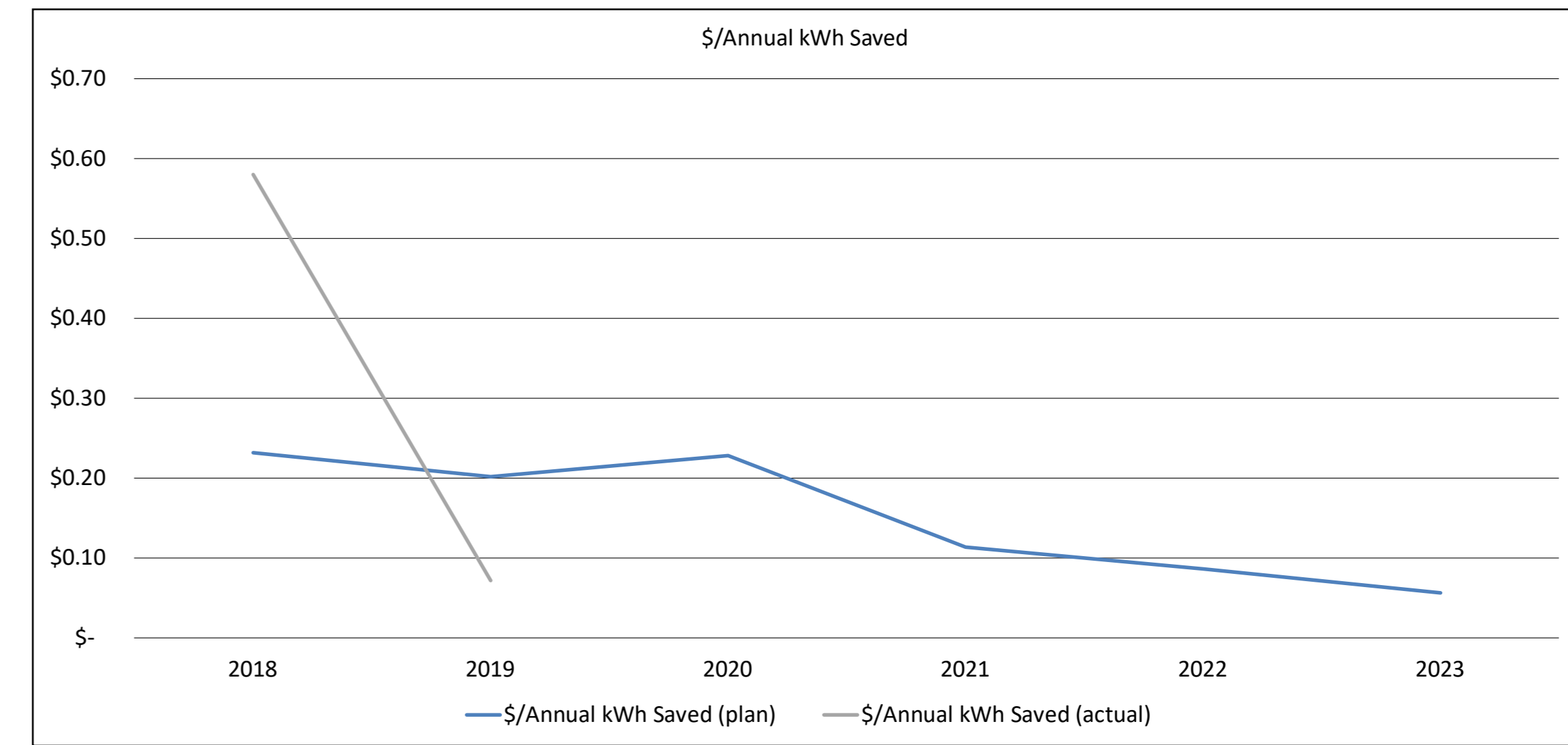
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 334,785.82	\$ 358,236.26	\$ 340,904.97	\$ 528,286.52	\$ 683,754.61
	Total Annual Electric Savings (kWh) (actual)	\$ 1,120,563.80	\$ 1,764,104.40	\$ 1,216,379.86	\$ 2,172,620.76	\$ 2,874,060.02
	\$/Annual kWh Saved (actual)	\$ 0.30	\$ 0.20	\$ 0.28	\$ 0.24	\$ 0.24
2)	Total Electric Spending	\$ 334,785.82	\$ 358,236.26	\$ 340,904.97	\$ 528,286.52	\$ 683,754.61
	Total kW saved	\$ 208.01	\$ 212.96	\$ 169.71	\$ 267.59	\$ 132.96
	\$/kW saved (actual)	\$ 1,609.48	\$ 1,682.16	\$ 2,008.79	\$ 1,974.22	\$ 5,142.48
3)	Total Electric Spending	\$ 334,785.82	\$ 358,236.26	\$ 340,904.97	\$ 528,286.52	\$ 683,754.61
	Total Fuel Neutral MMBtu Saved	\$ 132.37	\$ 95.90	\$ 231.34	\$ 317.87	\$ 176.53
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ 2,529.16	\$ 3,735.48	\$ 1,473.64	\$ 1,661.96	\$ 3,873.33



Home Energy Reports

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ -	\$ -	\$ -	\$ 286,984.00	\$ 184,985.00	\$ 153,784.00	\$ 198,183.00	\$ 180,048.43	\$ 176,866.84
	Total Annual Electric Savings (kWh) (plan)	\$ -	\$ -	\$ -	\$ 1,237,012.99	\$ 917,000.00	\$ 675,000.00	\$ 1,749,000.00	\$ 2,087,000.00	\$ 3,116,000.00
	\$/Annual kWh Saved (plan)				\$ 0.23	\$ 0.20	\$ 0.23	\$ 0.11	\$ 0.09	\$ 0.06
2)	Total Electric Budget	\$ -	\$ -	\$ -	\$ 286,984.00	\$ 184,985.00	\$ 153,784.00	\$ 198,183.00	\$ 180,048.43	\$ 176,866.84
	Total kW saved	\$ -	\$ -	\$ -	\$ 51.54	\$ 60.71	\$ 11.43	\$ 243.55	\$ 290.61	\$ 243.55
	\$/kW saved (plan)				\$ 5,567.94	\$ 3,046.80	\$ 13,459.85	\$ 813.74	\$ 619.55	\$ 726.21
3)	Total Electric Budget	\$ -	\$ -	\$ -	\$ 286,984.00	\$ 184,985.00	\$ 153,784.00	\$ 198,183.00	\$ 180,048.43	\$ 176,866.84
	Total Fuel Neutral MMBtu Saved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$/Total Fuel Neutral MMBtu Saved (plan)									

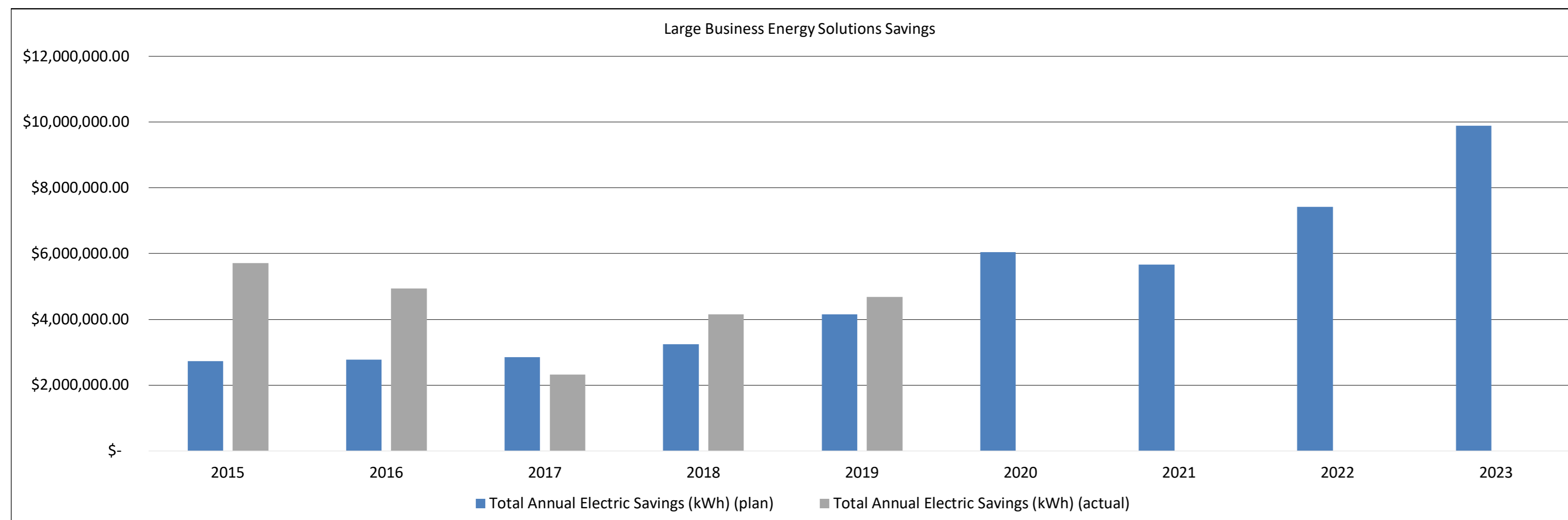
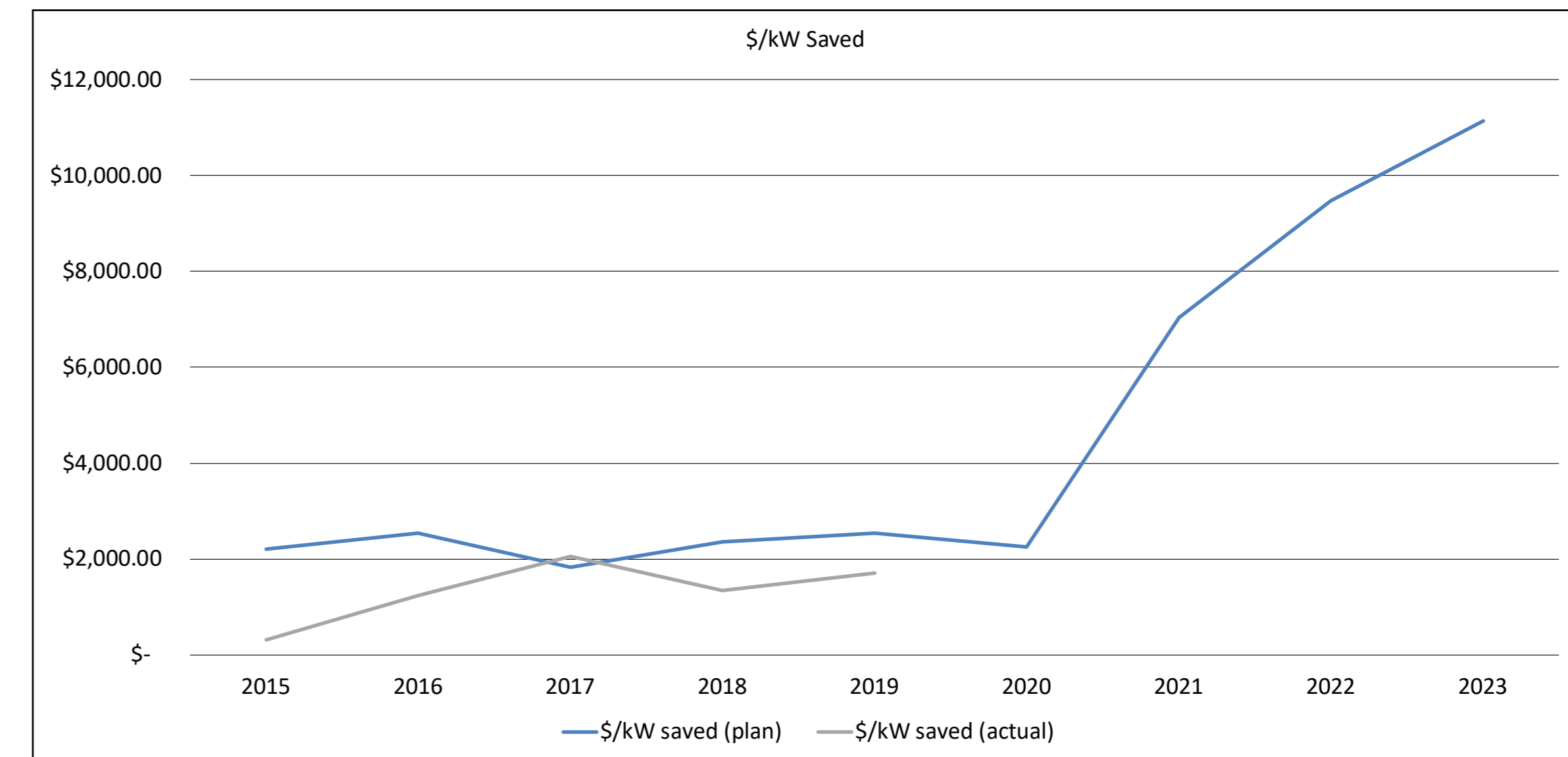
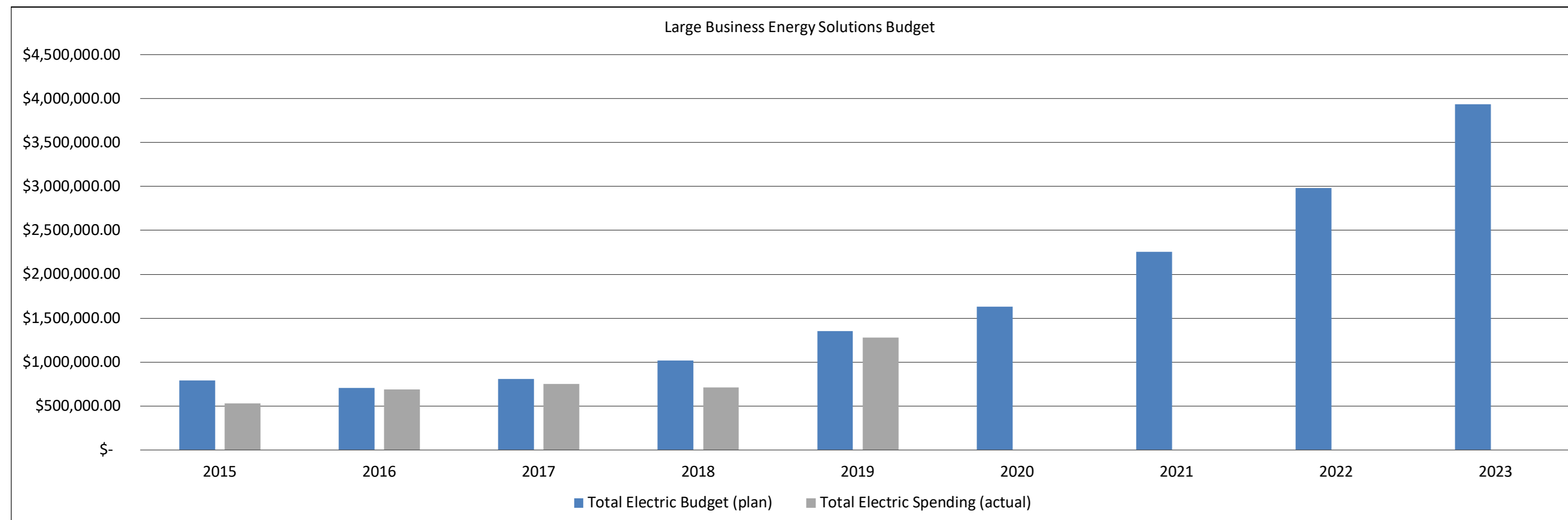
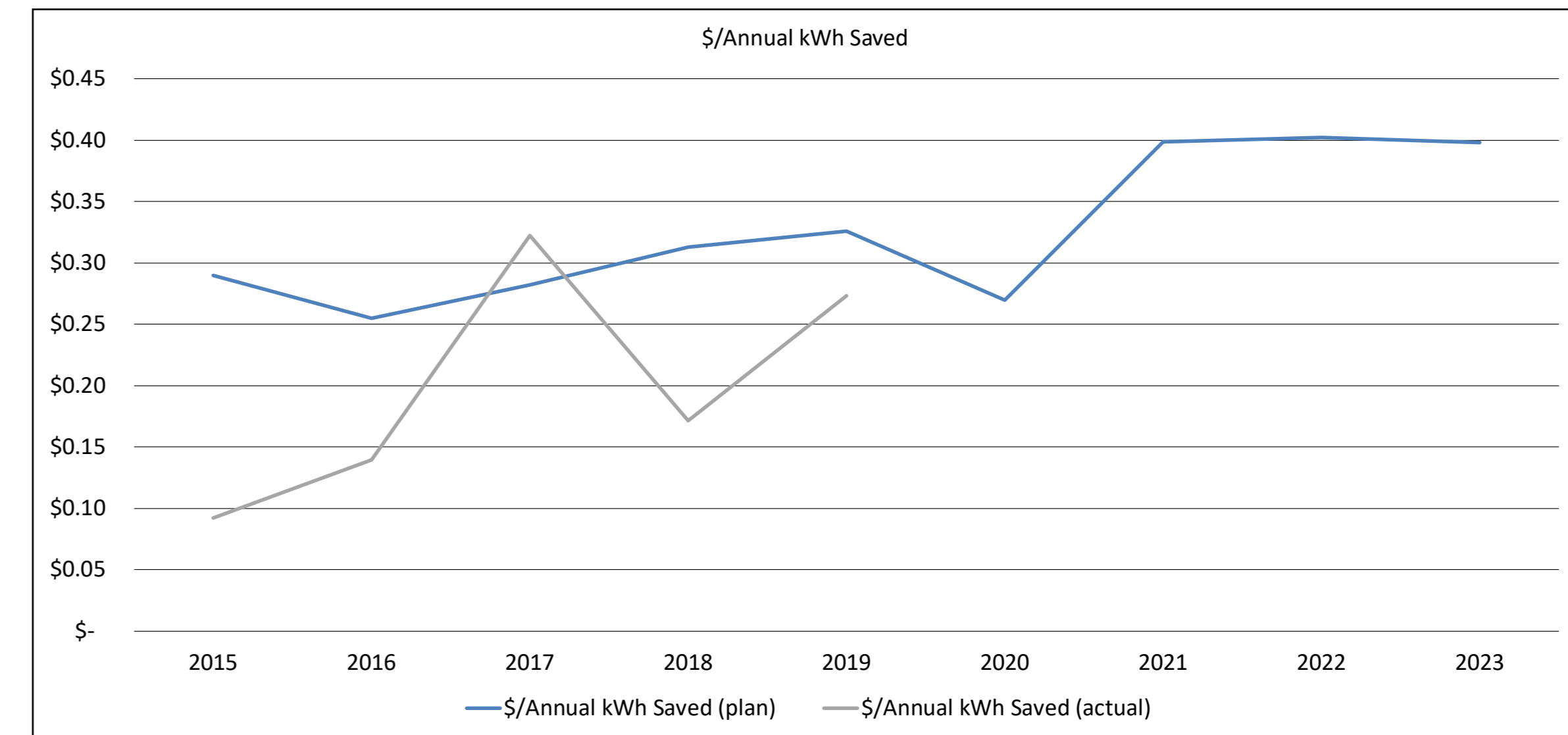
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)				\$ 223,784.50	\$ 167,701.02
	Total Annual Electric Savings (kWh) (actual)				\$ 385,562.00	\$ 2,350,149.00
	\$/Annual kWh Saved (actual)				\$ 0.58	\$ 0.07
2)	Total Electric Spending				\$ 223,784.50	\$ 167,701.02
	Total kW saved				\$ 60.15	\$ 61.26
	\$/kW saved (actual)				\$ 3,720.49	\$ 2,737.36
3)	Total Electric Spending				\$ 223,784.50	\$ 167,701.02
	Total Fuel Neutral MMBtu Saved				\$ -	\$ -
	\$/Total Fuel Neutral MMBtu Saved (actual)					



Large Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 792,417.96	\$ 708,103.97	\$ 804,855.80	\$ 1,018,000.00	\$ 1,353,124.06	\$ 1,632,099.26	\$ 2,257,664.54	\$ 2,983,879.88	\$ 3,937,680.07
	Total Annual Electric Savings (kWh) (plan)	\$ 2,733,709.43	\$ 2,778,532.48	\$ 2,851,063.83	\$ 3,251,317.98	\$ 4,148,221.09	\$ 6,050,964.32	\$ 5,666,115.45	\$ 7,421,355.59	\$ 9,898,315.77
	\$/Annual kWh Saved (plan)	\$ 0.29	\$ 0.25	\$ 0.28	\$ 0.31	\$ 0.33	\$ 0.27	\$ 0.40	\$ 0.40	\$ 0.40
2)	Total Electric Budget	\$ 792,417.96	\$ 708,103.97	\$ 804,855.80	\$ 1,018,000.00	\$ 1,353,124.06	\$ 1,632,099.26	\$ 2,257,664.54	\$ 2,983,879.88	\$ 3,937,680.07
	Total kW saved	\$ 360.05	\$ 279.38	\$ 439.10	\$ 432.43	\$ 532.63	\$ 725.53	\$ 321.03	\$ 315.13	\$ 353.55
	\$/kW saved (plan)	\$ 2,200.88	\$ 2,534.56	\$ 1,832.96	\$ 2,354.16	\$ 2,540.48	\$ 2,249.54	\$ 7,032.62	\$ 9,468.69	\$ 11,137.40
3)	Total Electric Budget	\$ 792,417.96	\$ 708,103.97	\$ 804,855.80	\$ 1,018,000.00	\$ 1,353,124.06	\$ 1,632,099.26	\$ 2,257,664.54	\$ 2,983,879.88	\$ 3,937,680.07
	Total Fuel Neutral MMBtu Saved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107.42	\$ 123.94	\$ 165.26
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,017.70	\$ 24,074.60	\$ 23,827.56

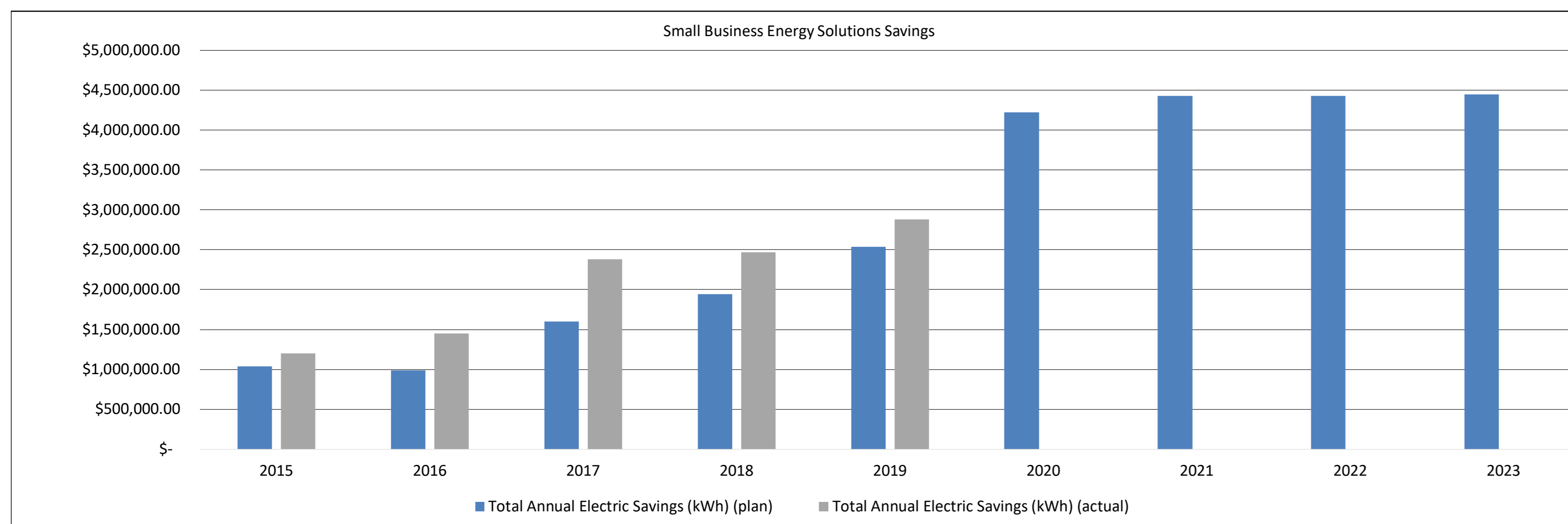
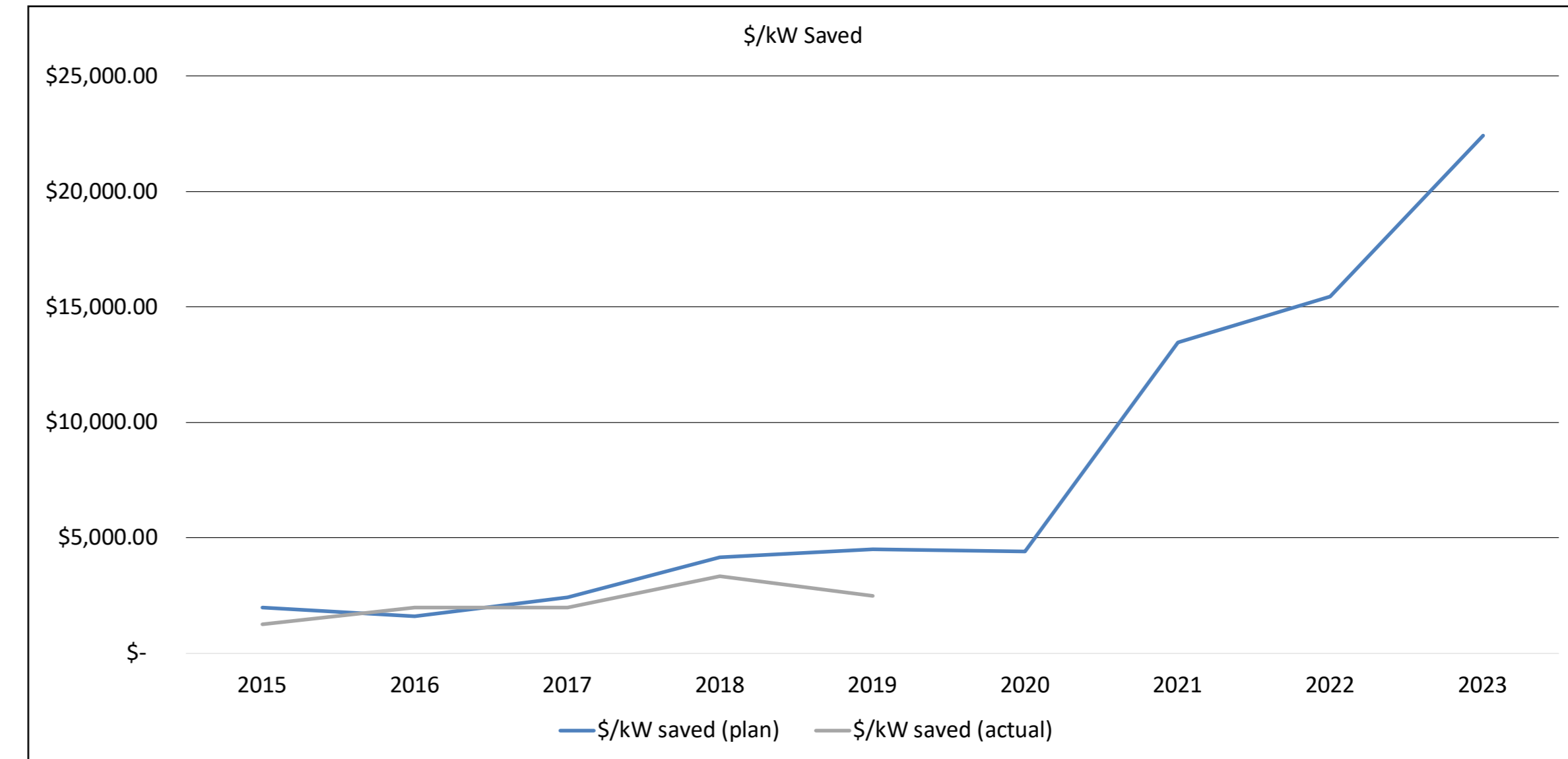
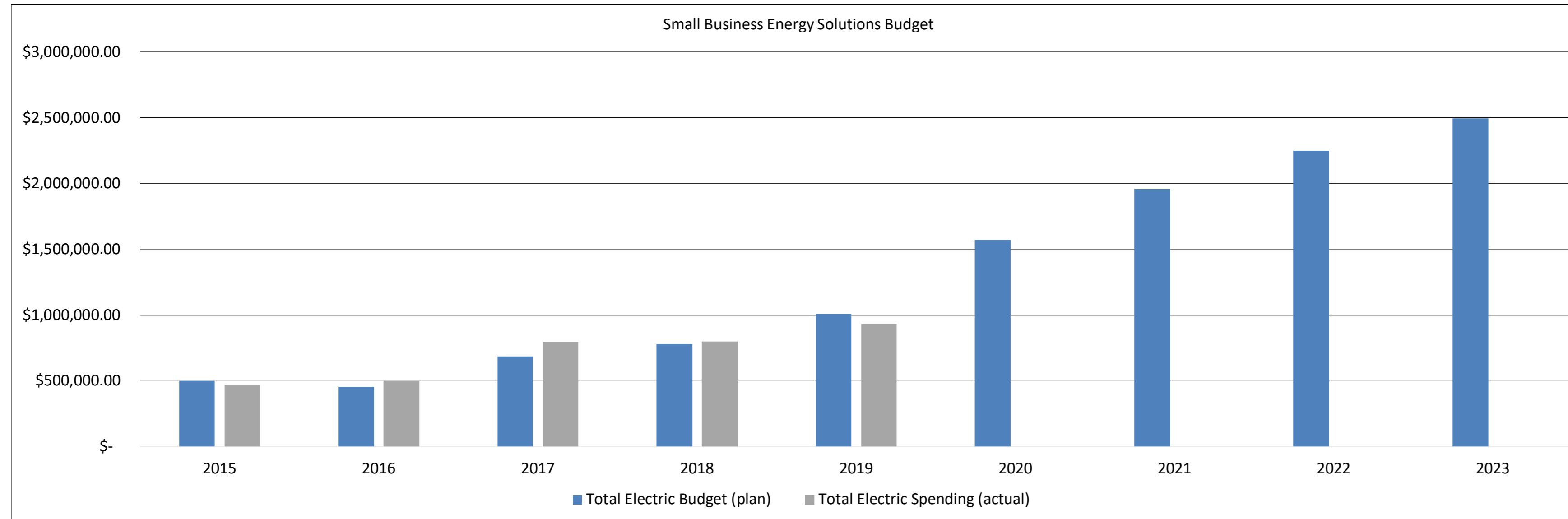
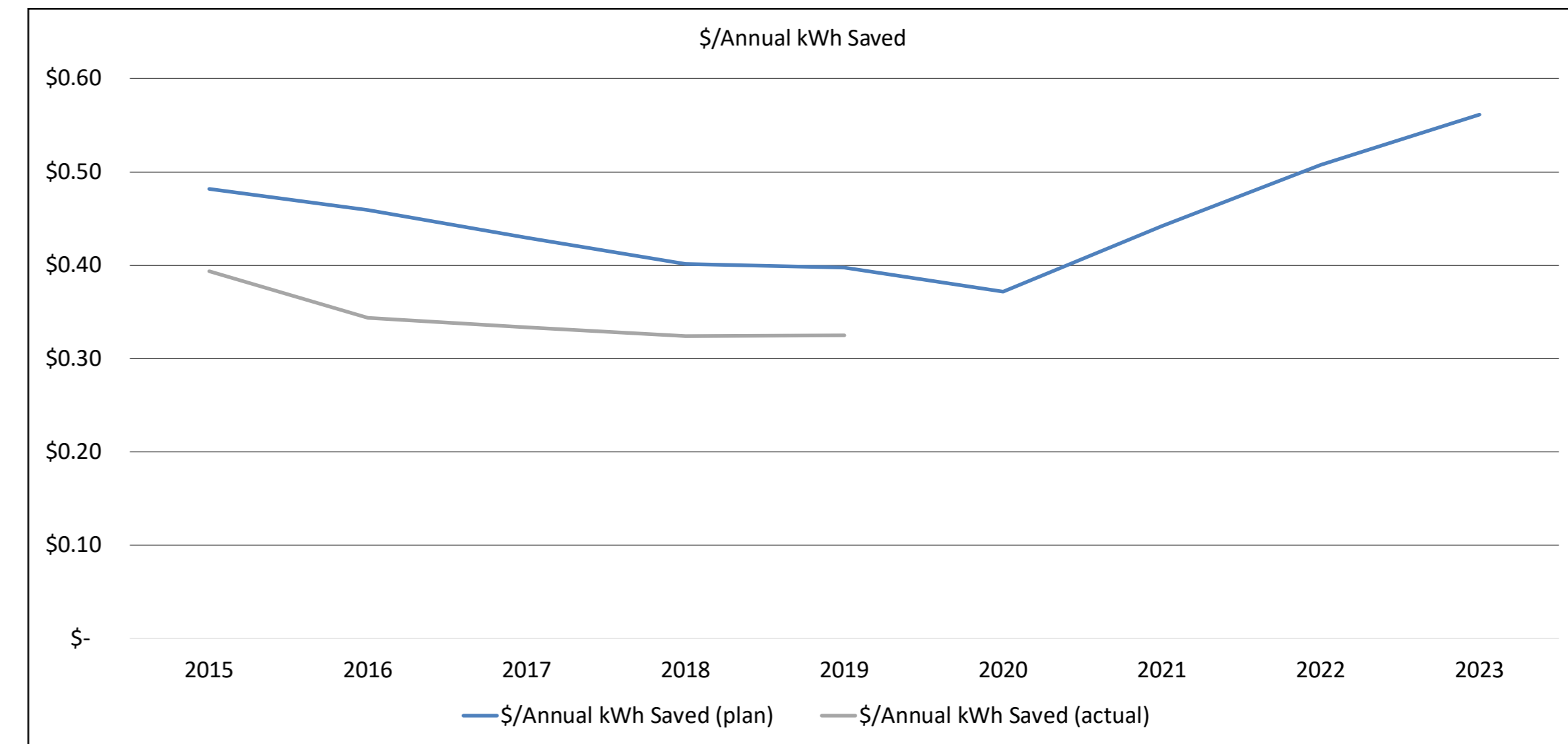
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 527,212.31	\$ 688,316.04	\$ 748,208.39	\$ 711,153.65	\$ 1,280,014.05
	Total Annual Electric Savings (kWh) (actual)	\$ 5,704,791.08	\$ 4,938,617.74	\$ 2,319,910.78	\$ 4,152,747.70	\$ 4,682,916.54
	\$/Annual kWh Saved (actual)	\$ 0.09	\$ 0.14	\$ 0.32	\$ 0.17	\$ 0.27
2)	Total Electric Spending	\$ 527,212.31	\$ 688,316.04	\$ 748,208.39	\$ 711,153.65	\$ 1,280,014.05
	Total kW saved	\$ 1,660.17	\$ 554.89	\$ 362.79	\$ 532.27	\$ 748.70
	\$/kW saved (actual)	\$ 317.56	\$ 1,240.45	\$ 2,062.36	\$ 1,336.08	\$ 1,709.64
3)	Total Electric Spending	\$ 527,212.31	\$ 688,316.04	\$ 748,208.39	\$ 711,153.65	\$ 1,280,014.05
	Total Fuel Neutral MMBtu Saved	\$ 186.80	\$ 1,239.06	\$ -	\$ -	\$ -
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ 2,822.34	\$ 555.51	\$ -	\$ -	\$ -



Small Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 500,000.00	\$ 455,000.50	\$ 686,088.31	\$ 779,755.65	\$ 1,008,202.87	\$ 1,570,429.81	\$ 1,959,838.23	\$ 2,248,248.82	\$ 2,496,226.90
	Total Annual Electric Savings (kWh) (plan)	\$ 1,037,376.46	\$ 990,500.00	\$ 1,597,407.41	\$ 1,941,463.22	\$ 2,535,529.86	\$ 4,224,432.59	\$ 4,431,650.02	\$ 4,431,650.02	\$ 4,446,360.53
	\$/Annual kWh Saved (plan)	\$ 0.48	\$ 0.46	\$ 0.43	\$ 0.40	\$ 0.40	\$ 0.37	\$ 0.44	\$ 0.51	\$ 0.56
2)	Total Electric Budget	\$ 500,000.00	\$ 455,000.50	\$ 686,088.31	\$ 779,755.65	\$ 1,008,202.87	\$ 1,570,429.81	\$ 1,959,838.23	\$ 2,248,248.82	\$ 2,496,226.90
	Total kW saved	\$ 250.94	\$ 284.84	\$ 282.22	\$ 187.90	\$ 224.44	\$ 356.84	\$ 145.43	\$ 145.43	\$ 111.27
	\$/kW saved (plan)	\$ 1,992.54	\$ 1,597.39	\$ 2,431.07	\$ 4,149.95	\$ 4,492.02	\$ 4,400.97	\$ 13,476.05	\$ 15,459.19	\$ 22,434.48
3)	Total Electric Budget	\$ 500,000.00	\$ 455,000.50	\$ 686,088.31	\$ 779,755.65	\$ 1,008,202.87	\$ 1,570,429.81	\$ 1,959,838.23	\$ 2,248,248.82	\$ 2,496,226.90
	Total Fuel Neutral MMBtu Saved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83.20	\$ 83.20	\$ 133.60
	\$/Total Fuel Neutral MMBtu Saved (plan)									

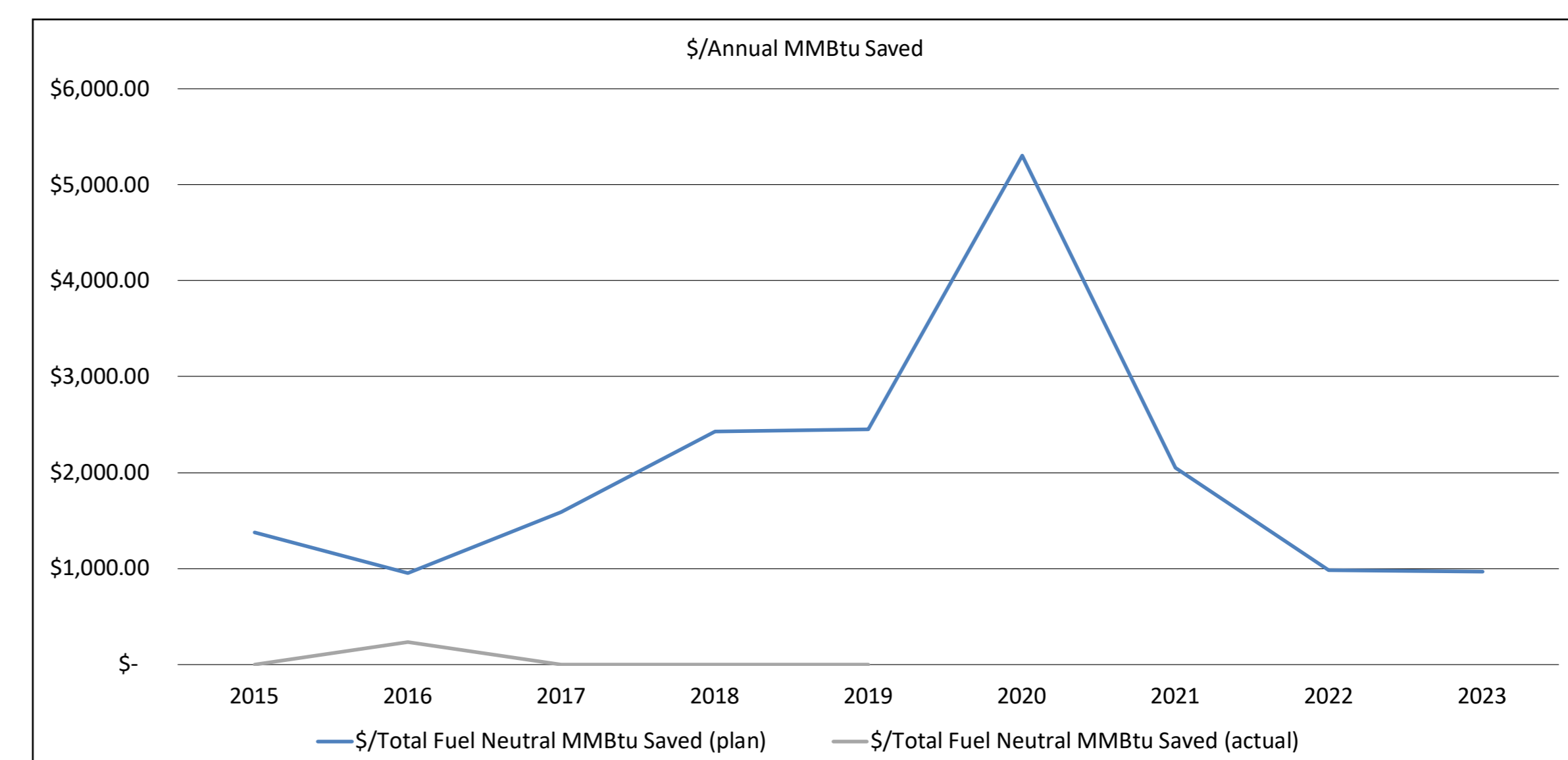
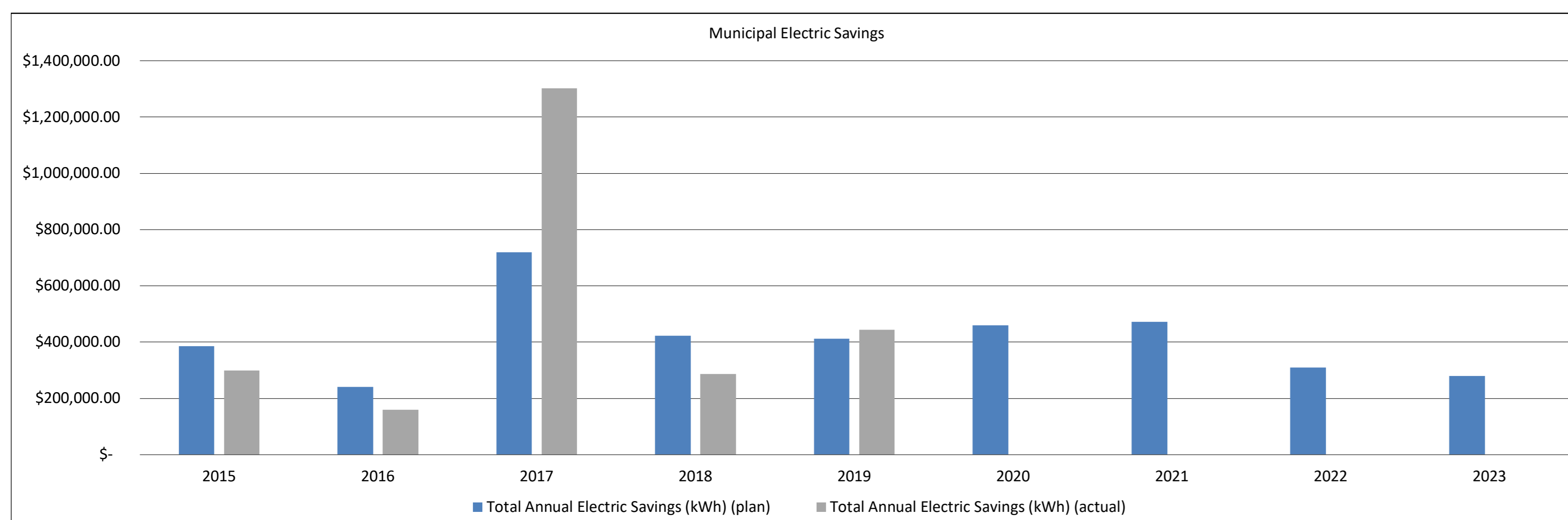
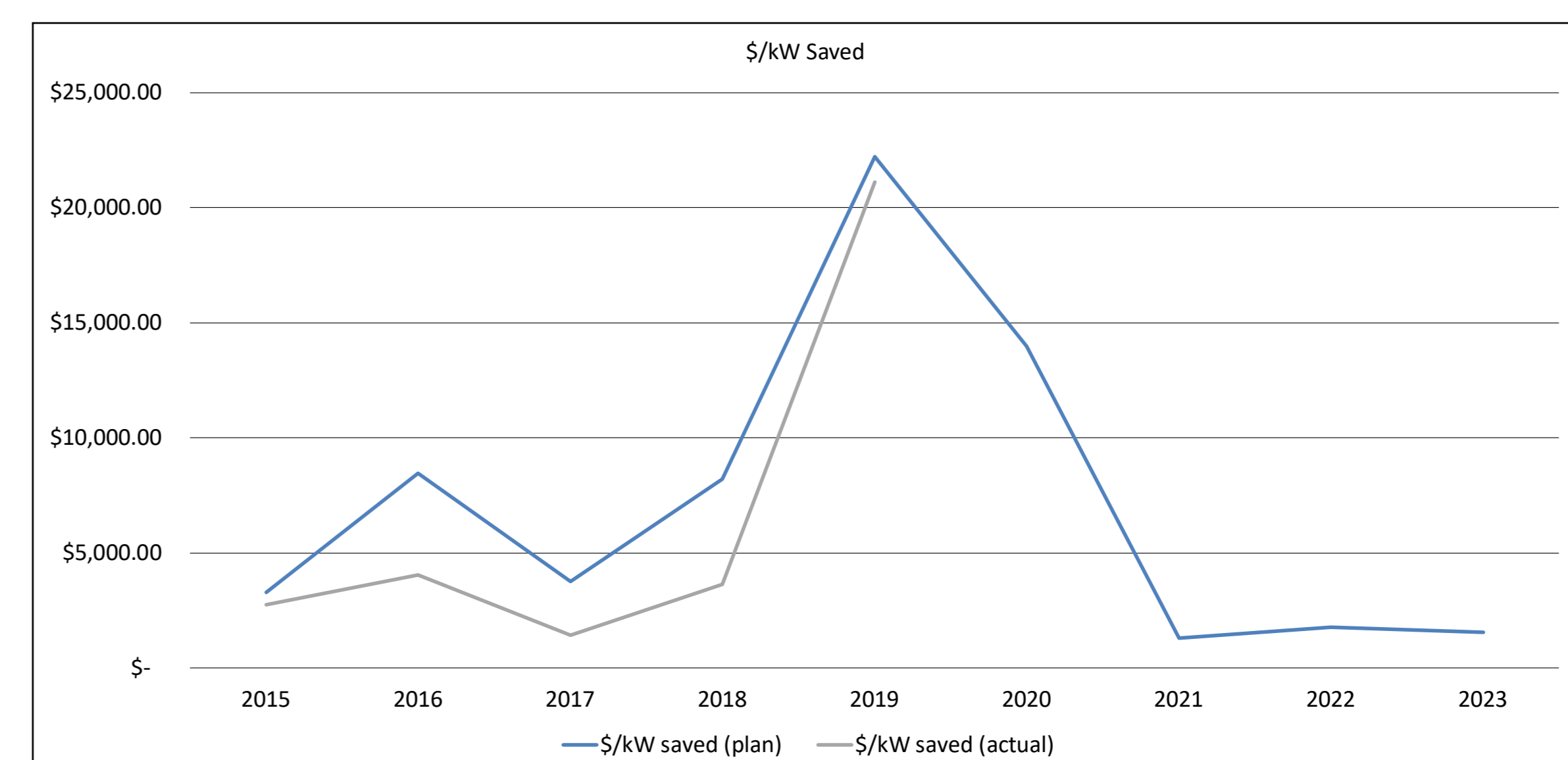
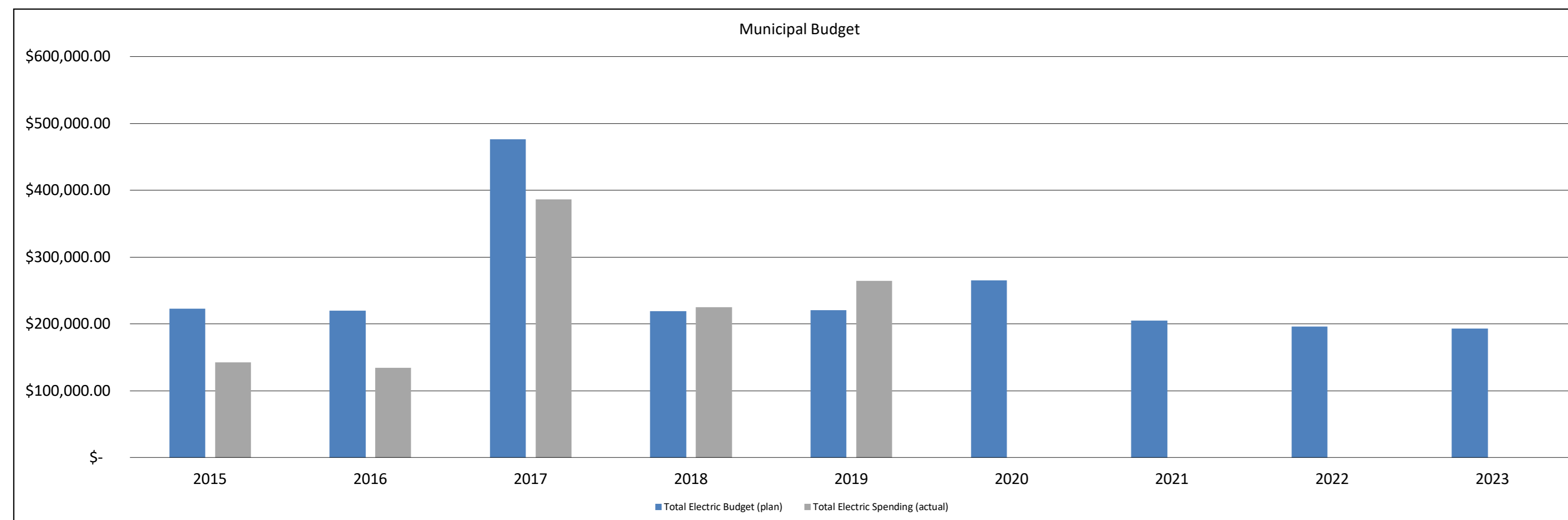
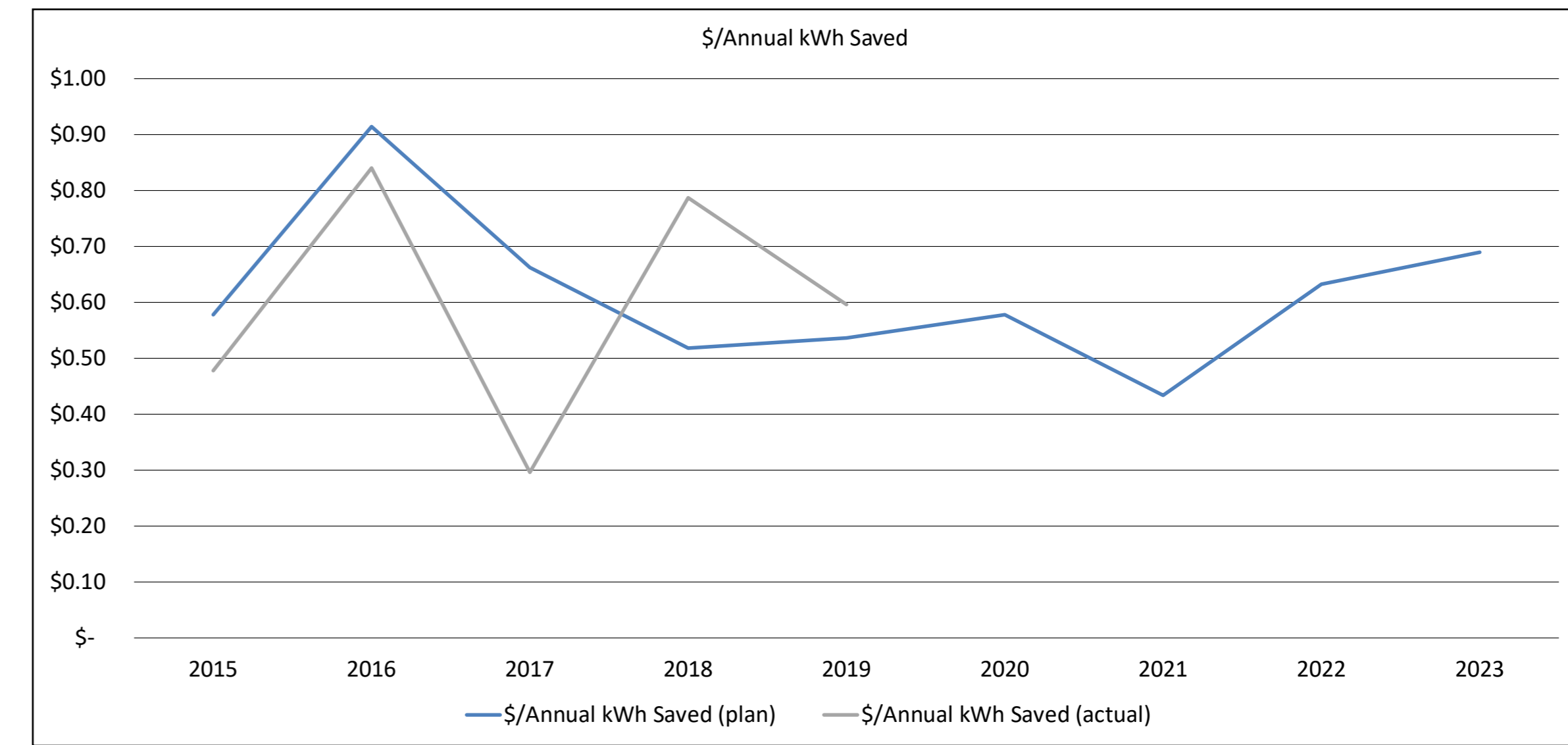
Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 471,603.35	\$ 499,144.45	\$ 794,502.64	\$ 799,496.85	\$ 935,895.34
	Total Annual Electric Savings (kWh) (actual)	\$ 1,198,433.94	\$ 1,451,929.00	\$ 2,381,724.69	\$ 2,469,440.00	\$ 2,879,216.42
	\$/Annual kWh Saved (actual)	\$ 0.39	\$ 0.34	\$ 0.33	\$ 0.32	\$ 0.33
2)	Total Electric Spending	\$ 471,603.35	\$ 499,144.45	\$ 794,502.64	\$ 799,496.85	\$ 935,895.34
	Total kW saved	\$ 379.92	\$ 253.82	\$ 398.49	\$ 238.83	\$ 377.59
	\$/kW saved (actual)	\$ 1,241.32	\$ 1,966.51	\$ 1,993.77	\$ 3,347.58	\$ 2,478.60
3)	Total Electric Spending	\$ 471,603.35	\$ 499,144.45	\$ 794,502.64	\$ 799,496.85	\$ 935,895.34
	Total Fuel Neutral MMBtu Saved	\$ -	\$ -	\$ -	\$ -	\$ -
	\$/Total Fuel Neutral MMBtu Saved (actual)					



Municipal

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Electric Budget (plan)	\$ 222,573.69	\$ 219,875.76	\$ 476,528.53	\$ 218,878.38	\$ 220,642.18	\$ 265,229.65	\$ 204,700.00	\$ 196,125.91	\$ 193,235.58
	Total Annual Electric Savings (kWh) (plan)	\$ 385,143.71	\$ 240,506.33	\$ 718,947.37	\$ 422,166.66	\$ 411,529.39	\$ 459,247.22	\$ 471,428.57	\$ 310,000.00	\$ 280,000.00
	\$/Annual kWh Saved (plan)	\$ 0.58	\$ 0.91	\$ 0.66	\$ 0.52	\$ 0.54	\$ 0.58	\$ 0.43	\$ 0.63	\$ 0.69
2)	Total Electric Budget	\$ 222,573.69	\$ 219,875.76	\$ 476,528.53	\$ 218,878.38	\$ 220,642.18	\$ 265,229.65	\$ 204,700.00	\$ 196,125.91	\$ 193,235.58
	Total kW saved	\$ 67.76	\$ 26.00	\$ 126.85	\$ 26.69	\$ 9.93	\$ 18.98	\$ 157.03	\$ 111.17	\$ 123.78
	\$/kW saved (plan)	\$ 3,284.93	\$ 8,458.38	\$ 3,756.54	\$ 8,200.67	\$ 22,229.35	\$ 13,976.44	\$ 1,303.56	\$ 1,764.17	\$ 1,561.17
3)	Total Electric Budget	\$ 222,573.69	\$ 219,875.76	\$ 476,528.53	\$ 218,878.38	\$ 220,642.18	\$ 265,229.65	\$ 204,700.00	\$ 196,125.91	\$ 193,235.58
	Total Fuel Neutral MMBtu Saved	\$ 161.40	\$ 231.00	\$ 300.00	\$ 90.00	\$ 90.00	\$ 50.00	\$ 100.00	\$ 200.00	\$ 200.00
	\$/Total Fuel Neutral MMBtu Saved (plan)	\$ 1,379.02	\$ 951.84	\$ 1,588.43	\$ 2,431.98	\$ 2,451.58	\$ 5,304.59	\$ 2,047.00	\$ 980.63	\$ 966.18

Actuals		2015	2016	2017	2018	2019
1)	Total Electric Spending (actual)	\$ 142,709.48	\$ 134,368.59	\$ 386,763.00	\$ 224,879.42	\$ 264,183.17
	Total Annual Electric Savings (kWh) (actual)	\$ 298,503.00	\$ 159,791.00	\$ 1,303,245.00	\$ 285,855.00	\$ 443,486.44
	\$/Annual kWh Saved (actual)	\$ 0.48	\$ 0.84	\$ 0.30	\$ 0.79	\$ 0.60
2)	Total Electric Spending	\$ 142,709.48	\$ 134,368.59	\$ 386,763.00	\$ 224,879.42	\$ 264,183.17
	Total kW saved	\$ 51.68	\$ 33.15	\$ 269.98	\$ 61.96	\$ 12.51
	\$/kW saved (actual)	\$ 2,761.20	\$ 4,053.33	\$ 1,432.55	\$ 3,629.30	\$ 21,118.97
3)	Total Electric Spending	\$ 142,709.48	\$ 134,368.59	\$ 386,763.00	\$ 224,879.42	\$ 264,183.17
	Total Fuel Neutral MMBtu Saved	\$ -	\$ 579.10	\$ -	\$ -	\$ -
	\$/Total Fuel Neutral MMBtu Saved (actual)	\$ -	\$ 232.03	\$ -	\$ -	\$ -



Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.08	0.87	1.08	1,646.7	1,331.1	1,646.7	1,523.6	-	-	-	-	-	369	7,107.8	154,908.8
A1 - Energy Star Homes	1.07	0.91	0.80	1,110.3	945.0	1,364.9	1,039.3	673.4	-	-	-	-	98	4,465.7	111,641.9
A2 - Home Performance with Energy Star	1.70	1.47	1.90	2,055.1	1,775.5	2,546.4	1,205.8	133.5	6.4	142.3	-	3.5	768	11,064.2	200,161.9
A3 - Energy Star Products	1.92	1.66	1.33	1,869.2	1,620.5	2,330.7	975.8	780.0	24.7	407.9	8.3	(0.3)	1,623	11,065.6	187,594.4
A4 - Home Energy Reports	0.76	0.70	0.95	140.0	130.1	175.1	185.0	-	-	-	-	-	30,000	13,169.1	13,169.1
A6c - Res Education	-	-	-	-	-	-	60.2	-	-	-	-	-	-	-	-
A7 - Aerial Infrared Mapping	0.12	0.11	0.14	53.2	49.4	66.5	460.3	-	-	-	-	-	33,000	5,000.0	5,000.0
Sub-Total Residential	1.26	1.07	1.16	6,874.6	5,851.6	8,130.3	5,449.9	1,586.9	31.0	550.1	8.3	3.2	98,858	51,872.2	672,476.1
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	4.55	4.00	2.56	8,278.6	7,277.5	9,874.1	1,818.5	2,037.6	-	-	-	-	207	76,164.6	913,272.3
C2 - Small Business Energy Solutions	2.63	2.08	1.83	4,296.2	3,400.6	5,051.8	1,633.1	1,121.5	9.5	152.2	1.9	1.7	1,080	25,848.9	453,388.5
C6c - C&I Education	-	-	-	-	-	-	60.6	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.58	3.04	2.24	12,574.7	10,678.2	14,925.8	3,512.3	3,159.1	9.5	152.2	1.9	1.7	1,287	102,013.5	1,366,660.8
Total	2.17	1.84	1.68	19,449.3	16,529.8	23,056.2	8,962.2	4,745.9	40.5	702.3	10.2	4.9	100,144	153,885.7	2,039,136.9

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	40,534	0.1%	kWh < 55%	Lifetime kWh Savings	702,306	0.1%	kWh < 55%
	Annual MMBTU Savings (in kWh)	<u>45,099,455</u>	<u>99.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>597,612,058</u>	<u>99.9%</u>	
		45,139,989	100.0%			598,314,364	100.0%	
Annual Savings as a % of 2019 Sales	0.88%			Spending per Customer	Low-Income	\$ 283.40		
					Residential	\$ 44.12		
					C&I	\$ 240.27		

Present Value Benefits - 2021 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)											Non-Resource Benefits (\$000)			Environmental Benefits (\$000)						
				CAPACITY					ENERGY				Non-Electric		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits					
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric DRIPE	Total Electric Benefit						Other Fuels	Water Benefit			
Residential Programs																								
B1 - Home Energy Assistance	\$ 1,647	\$ 1,331	\$ 1,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,331	\$ 8	\$ 1,340	\$ 212	\$ 95	\$ 307	\$ -
A1 - Energy Star Homes	\$ 1,110	\$ 945	\$ 1,365	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 945	\$ 3	\$ 948	\$ 162	\$ 255	\$ 417	\$ -
A2 - Home Performance with Energy Star	\$ 2,055	\$ 1,775	\$ 2,546	\$ 7	\$ -	\$ 7	\$ 6	\$ -	\$ 1	\$ 0	\$ 4	\$ 3	\$ 0	\$ 28	\$ 1,775	\$ 4	\$ 1,808	\$ 248	\$ 486	\$ 733	\$ 248	\$ 486	\$ 733	\$ 5
A3 - Energy Star Products	\$ 1,869	\$ 1,621	\$ 2,331	\$ (0)	\$ -	\$ (0)	\$ (0)	\$ -	\$ 14	\$ 17	\$ (1)	\$ (1)	\$ 2	\$ 29	\$ 1,621	\$ -	\$ 1,649	\$ 220	\$ 444	\$ 664	\$ 220	\$ 444	\$ 664	\$ 17
A4 - Home Energy Reports	\$ 140	\$ 130	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130	\$ -	\$ 130	\$ 10	\$ 35	\$ 45	\$ 10	\$ 35	\$ 45	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A7 - Aerial Infrared Mapping	\$ 53	\$ 49	\$ 66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49	\$ -	\$ 49	\$ 4	\$ 13	\$ 17	\$ 4	\$ 13	\$ 17	\$ -
Sub-Total Residential	\$ 6,875	\$ 5,852	\$ 8,130	\$ 6	\$ -	\$ 6	\$ 5	\$ -	\$ 14	\$ 17	\$ 3	\$ 3	\$ 2	\$ 57	\$ 5,852	\$ 16	\$ 5,924	\$ 855	\$ 1,328	\$ 2,183	\$ 855	\$ 1,328	\$ 2,183	\$ 23
Commercial/Industrial Programs																								
C1 - Large Business Energy Solutions	\$ 8,279	\$ 7,278	\$ 9,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,278	\$ -	\$ 7,278	\$ 1,001	\$ 1,596	\$ 2,597	\$ 1,001	\$ 1,596	\$ 2,597	\$ -
C2 - Small Business Energy Solutions	\$ 4,296	\$ 3,401	\$ 5,052	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 4	\$ 4	\$ 1	\$ 1	\$ 1	\$ 17	\$ 3,401	\$ 320	\$ 3,737	\$ 559	\$ 749	\$ 1,308	\$ 559	\$ 749	\$ 1,308	\$ 6
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 12,575	\$ 10,678	\$ 14,926	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 4	\$ 4	\$ 1	\$ 1	\$ 1	\$ 17	\$ 10,678	\$ 320	\$ 11,015	\$ 1,560	\$ 2,345	\$ 3,905	\$ 1,560	\$ 2,345	\$ 3,905	\$ 6
Total	\$ 19,449	\$ 16,530	\$ 23,056	\$ 8	\$ -	\$ 8	\$ 7	\$ -	\$ 18	\$ 21	\$ 5	\$ 4	\$ 2	\$ 74	\$ 16,530	\$ 336	\$ 16,939	\$ 2,415	\$ 3,673	\$ 6,088	\$ 2,415	\$ 3,673	\$ 6,088	\$ 29

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime MMBtu Savings	2,039,137	1,325,439		-	2.475%	-	\$ 221,813	\$ 277,267	\$ -	Program Cost Effectiveness (Page 1 of 3)
2 Annual MMBtu Savings	153,886	100,026		-	1.100%	-	\$ 98,584	\$ 123,230	\$ -	Program Cost Effectiveness (Page 1 of 3)
3 Total Resource Benefits	\$ 16,939,053			-						Present Value Benefits (Page 2 of 3)
4 Total Utility Costs ¹	\$ 8,962,156			-						Program Cost Effectiveness (Page 1 of 3)
5 Net Benefits	\$ 7,976,897	\$ 5,184,983	\$ -	-	1.925%	-	\$ 172,522	\$ 215,652	\$ -	Line 5 minus line 6
6 Total					5.500%	-	\$ 492,919	\$ 616,148	\$ -	Sum of Rows 1, 2 & 5

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits	\$ 19,449,324		Present Value Benefits (Page 2 of 3)
8 Performance Incentive	\$ 492,919	\$ -	Row 6
9 Total Utility Costs	\$ 8,962,156	\$ -	Row 4
10 Portfolio GST BCR	2.06	-	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.

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.14	0.92	1.14	1,799.2	1,443.8	1,799.2	1,576.2	-	-	-	-	-	385	7,520.7	164,504.2
A1 - Energy Star Homes	1.24	1.05	0.97	1,406.2	1,186.4	1,725.9	1,131.8	646.4	-	-	-	-	116	5,488.1	137,202.3
A2 - Home Performance with Energy Star	1.81	1.56	2.02	2,296.2	1,969.7	2,841.1	1,266.2	142.3	6.9	153.0	-	3.8	802	12,031.8	217,262.4
A3 - Energy Star Products	2.05	1.76	1.41	2,085.2	1,792.8	2,597.3	1,017.6	819.3	28.4	471.1	9.5	(0.3)	1,743	11,961.2	203,036.5
A4 - Home Energy Reports	1.04	0.97	1.30	187.0	173.0	233.6	179.2	-	-	-	-	-	30,000	17,325.4	17,325.4
A6c - Res Education	-	-	-	-	-	-	65.1	-	-	-	-	-	-	-	-
A7 - Aerial Infrared Mapping	1.10	1.02	1.38	299.0	276.5	373.5	271.4	-	-	-	-	-	33,000	27,700.0	27,700.0
Sub-Total Residential	1.47	1.24	1.35	8,072.8	6,842.1	9,570.6	5,507.5	1,608.0	35.3	624.1	9.5	3.5	66,046	82,027.3	767,030.8
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	4.87	4.24	2.76	9,399.3	8,188.0	11,194.4	1,930.9	2,123.4	-	-	-	-	218	81,402.1	1,005,446.2
C2 - Small Business Energy Solutions	2.74	2.16	1.92	4,836.3	3,820.0	5,684.2	1,768.0	1,191.0	9.7	155.6	2.0	1.7	1,127	28,289.5	498,466.6
C6c - C&I Education	-	-	-	-	-	-	65.2	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.78	3.19	2.38	14,235.6	12,008.0	16,878.6	3,764.1	3,314.4	9.7	155.6	2.0	1.7	1,345	109,691.6	1,503,912.8
Total	2.41	2.03	1.86	22,308.4	18,850.2	26,449.2	9,271.6	4,922.4	45.0	779.7	11.5	5.2	67,391	191,718.8	2,270,943.6

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars

Annual kWh Savings	44,979	0.1%	kWh < 55%	Lifetime kWh Savings	779,690	0.1%	kWh < 55%
Annual MMBTU Savings (in kWh)	<u>56,187,246</u>	<u>99.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>665,547,887</u>	<u>99.9%</u>	
	56,232,225	100.0%			666,327,577	100.0%	

Annual Savings as a % of 2019 Sales	1.09%
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Spending per Customer	Low-Income	\$	293.19
	Residential	\$	44.17
	C&I	\$	257.50

Portfolio Planned Versus Actual Performance - 2022											
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source	
1 Lifetime MMBtu Savings	2,270,944	1,476,113		-	2.475%	-	\$ 229,472	\$ 286,840	\$ -	Program Cost Effectiveness (Page 1 of 3)	
2 Annual MMBtu Savings	191,719	124,617		-	1.100%	-	\$ 101,988	\$ 127,484	\$ -	Program Cost Effectiveness (Page 1 of 3)	
3 Total Resource Benefits	\$ 19,282,528			-						Present Value Benefits (Page 2 of 3)	
4 Total Utility Costs ¹	\$ 9,271,591			-						Program Cost Effectiveness (Page 1 of 3)	
5 Net Benefits	\$ 10,010,937	\$ 6,507,109	\$ -	-	1.925%	-	\$ 178,478	\$ 223,098	\$ -	Line 5 minus line 6	
6 Total					5.500%	-	\$ 509,938	\$ 637,422	\$ -	Sum of Rows 1, 2 & 5	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits	\$ 22,308,421		Present Value Benefits (Page 2 of 3)
8 Performance Incentive	\$ 509,938	\$ -	Row 6
9 Total Utility Costs	\$ 9,271,591	\$ -	Row 4
10 Portfolio GST BCR	2.28	-	Row 7 Divided by Rows 8+9

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2022\$) is \$526,510.49.

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.

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.20	0.95	1.20	2,018.8	1,606.6	2,018.8	1,683.1	-	-	-	-	-	410	8,138.1	179,184.7
A1 - Energy Star Homes	1.65	1.38	1.24	1,972.4	1,655.6	2,418.4	1,196.2	753.2	-	-	-	-	126	7,895.0	188,136.6
A2 - Home Performance with Energy Star	1.91	1.63	2.12	2,628.2	2,235.9	3,247.0	1,373.8	158.9	7.7	172.6	-	4.3	843	13,319.0	241,288.2
A3 - Energy Star Products	2.15	1.84	1.49	2,215.4	1,889.0	2,755.9	1,028.1	827.4	30.3	503.7	10.0	(0.3)	1,779	12,310.1	209,230.1
A4 - Home Energy Reports	1.81	1.67	2.26	313.9	289.1	391.8	173.5	-	-	-	-	-	30,000	28,410.0	28,410.0
A6c - Res Education	-	-	-	-	-	-	71.0	-	-	-	-	-	-	-	-
A7 - Aerial Infrared Mapping	1.16	1.07	1.45	306.0	281.9	382.0	262.9	-	-	-	-	-	33,000	27,700.0	27,700.0
Sub-Total Residential	1.63	1.37	1.49	9,454.6	7,958.1	11,213.9	5,788.7	1,739.5	38.1	676.4	10.0	4.0	66,158	97,772.2	873,949.5
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	5.14	4.44	2.93	10,655.2	9,214.4	12,675.3	2,073.2	2,247.2	-	-	-	-	234	90,438.8	1,103,797.3
C2 - Small Business Energy Solutions	2.81	2.21	2.01	5,532.2	4,349.7	6,496.6	1,967.9	1,265.6	9.9	159.3	2.0	1.7	1,194	31,363.4	554,760.8
C6c - C&I Education	-	-	-	-	-	-	70.6	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.94	3.30	2.51	16,187.4	13,564.1	19,171.9	4,111.7	3,512.8	9.9	159.3	2.0	1.7	1,428	121,802.2	1,658,558.1
Total	2.59	2.17	2.01	25,642.0	21,522.2	30,385.8	9,900.4	5,252.3	48.0	835.7	12.0	5.7	67,586	219,574.4	2,532,507.6

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	47,972	0.1%	kWh < 55%	Lifetime kWh Savings	835,732	0.1%	kWh < 55%
	Annual MMBTU Savings (in kWh)	<u>64,350,897</u>	<u>99.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>742,204,727</u>	<u>99.9%</u>	
		64,398,869	100.0%			743,040,459	100.0%	
Annual Savings as a % of 2019 Sales	1.25%							
Spending per Customer	Low-Income	\$	313.07					
	Residential	\$	46.13					
	C&I	\$	281.28					

Present Value Benefits - 2023 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)													Non-Resource Benefits (\$000)			Environmental Benefits (\$000)									
				CAPACITY						ENERGY				Non-Electric			Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits								
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric DRIPE	Total Electric Benefit	Other Fuels	Water Benefit													
Residential Programs																													
B1 - Home Energy Assistance	\$ 2,019	\$ 1,607	\$ 2,019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,607	\$ 10	\$ 1,617	\$ 289	\$ 113	\$ 402	\$ -			
A1 - Energy Star Homes	\$ 1,972	\$ 1,656	\$ 2,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,656	\$ 5	\$ 1,661	\$ 312	\$ 446	\$ 758	\$ -			
A2 - Home Performance with Energy Star	\$ 2,628	\$ 2,236	\$ 3,247	\$ 9	\$ -	\$ 8	\$ 7	\$ -	\$ 1	\$ 0	\$ 6	\$ 4	\$ 0	\$ 37	\$ 2,236	\$ 5	\$ 2,277	\$ 351	\$ 612	\$ 963	\$ 7	\$ 7	\$ 289	\$ 519	\$ 808	\$ 22			
A3 - Energy Star Products	\$ 2,215	\$ 1,889	\$ 2,756	\$ (1)	\$ -	\$ (0)	\$ (0)	\$ -	\$ 18	\$ 21	\$ (1)	\$ (1)	\$ 2	\$ 38	\$ 1,889	\$ -	\$ 1,927	\$ 289	\$ 78	\$ 103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
A4 - Home Energy Reports	\$ 314	\$ 289	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 289	\$ -	\$ 289	\$ 25	\$ 78	\$ 103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
A7 - Aerial Infrared Mapping	\$ 306	\$ 282	\$ 382	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 282	\$ -	\$ 282	\$ 24	\$ 76	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Sub-Total Residential	\$ 9,455	\$ 7,958	\$ 11,214	\$ 8	\$ -	\$ 8	\$ 7	\$ -	\$ 18	\$ 22	\$ 5	\$ 4	\$ 2	\$ 74	\$ 7,958	\$ 20	\$ 8,052	\$ 1,290	\$ 1,844	\$ 3,133	\$ 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Commercial/Industrial Programs																													
C1 - Large Business Energy Solutions	\$ 10,655	\$ 9,214	\$ 12,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,214	\$ -	\$ 9,214	\$ 1,441	\$ 2,020	\$ 3,461	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
C2 - Small Business Energy Solutions	\$ 5,532	\$ 4,350	\$ 6,497	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 4	\$ 4	\$ 1	\$ 1	\$ 1	\$ 18	\$ 4,350	\$ 357	\$ 4,725	\$ 807	\$ 958	\$ 1,765	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 16,187	\$ 13,564	\$ 19,172	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 4	\$ 4	\$ 1	\$ 1	\$ 1	\$ 18	\$ 13,564	\$ 357	\$ 13,940	\$ 2,248	\$ 2,978	\$ 5,226	\$ 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 25,642	\$ 21,522	\$ 30,386	\$ 11	\$ -	\$ 10	\$ 9	\$ -	\$ 23	\$ 26	\$ 6	\$ 5	\$ 3	\$ 92	\$ 21,522	\$ 377	\$ 21,992	\$ 3,537	\$ 4,822	\$ 8,359	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Portfolio Planned Versus Actual Performance - 2023											
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source	
1 Lifetime MMBtu Savings	2,532,508	1,646,130		-	2.475%	-	\$ 245,035	\$ 306,294	\$ -	Program Cost Effectiveness (Page 1 of 3)	
2 Annual MMBtu Savings	219,574	142,723		-	1.100%	-	\$ 108,905	\$ 136,131	\$ -	Program Cost Effectiveness (Page 1 of 3)	
3 Total Resource Benefits	\$ 21,991,998			-						Present Value Benefits (Page 2 of 3)	
4 Total Utility Costs ¹	\$ 9,900,418			-						Program Cost Effectiveness (Page 1 of 3)	
5 Net Benefits	\$ 12,091,579	\$ 7,859,526	\$ -	-	1.925%	-	\$ 190,583	\$ 238,229	\$ -	Line 5 minus line 6	
6 Total					5.500%	-	\$ 544,523	\$ 680,654	\$ -	Sum of Rows 1, 2 & 5	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits	\$ 25,642,001		Present Value Benefits (Page 2 of 3)
8 Performance Incentive	\$ 544,523	\$ -	Row 6
9 Total Utility Costs	\$ 9,900,418	\$ -	Row 4
10 Portfolio GST BCR	2.45	-	Row 7 Divided by Rows 8+9

Costs, Benefits, and PI Expressed in 2021 Dollars. Nominal PI (2023\$) is \$580,492.17.

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.

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.14	0.92	1.14	5,464.7	4,381.4	5,464.7	4,782.8	-	-	-	-	-	1,165	22,766.5	498,597.6
A1 - Energy Star Homes	1.33	1.12	1.01	4,489.0	3,787.1	5,509.2	3,367.3	2,072.9	-	-	-	-	340	17,848.8	436,980.8
A2 - Home Performance with Energy Star	1.81	1.56	2.02	6,979.5	5,981.0	8,634.5	3,845.8	434.7	21.0	467.9	-	11.6	2,412	36,414.9	658,712.5
A3 - Energy Star Products	2.04	1.75	1.41	6,169.8	5,302.3	7,684.0	3,021.5	2,426.8	83.4	1,382.7	27.8	(0.9)	5,144	35,336.9	599,860.9
A4 - Home Energy Reports	1.19	1.10	1.49	640.9	592.2	800.4	537.7	-	-	-	-	-	90,000	58,904.5	58,904.5
A6c - Res Education	-	-	-	-	-	-	196.3	-	-	-	-	-	-	-	-
A7 - Aerial Infrared Mapping	0.66	0.61	0.83	658.2	607.8	821.9	994.6	-	-	-	-	-	99,000	60,400.0	60,400.0
Sub-Total Residential	1.46	1.23	1.33	24,402.0	20,651.8	28,914.8	16,746.1	4,934.4	104.4	1,850.6	27.8	10.7	198,061	231,671.7	2,313,456.3
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	4.87	4.24	2.76	28,333.0	24,679.9	33,743.8	5,822.7	6,408.1	-	-	-	-	659	248,005.5	3,022,515.8
C2 - Small Business Energy Solutions	2.73	2.16	1.93	14,664.7	11,570.4	17,232.6	5,369.1	3,578.1	29.1	467.1	5.9	5.0	3,401	85,501.7	1,506,615.8
C6c - C&I Education	-	-	-	-	-	-	196.4	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	3.78	3.18	2.38	42,997.7	36,250.3	50,976.4	11,388.1	9,986.3	29.1	467.1	5.9	5.0	4,060	333,507.3	4,529,131.7
Total	2.40	2.02	1.86	67,399.7	56,902.1	79,891.2	28,134.2	14,920.7	133.5	2,317.7	33.7	15.7	202,121	565,178.9	6,842,588.0

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs Expressed in 2021 Dollars

	Annual kWh Savings	133,486	0.1%	kWh < 55%	Lifetime kWh Savings	2,317,728	0.1%	kWh < 55%
	Annual MMBTU Savings (in kWh)	<u>165,637,597</u>	<u>99.9%</u>		Lifetime MMBTU Savings (in kWh)	<u>2,005,364,672</u>	<u>99.9%</u>	
		165,771,083	100.0%			2,007,682,399	100.0%	
Cumulative Savings as a % of 2019 Sales	3.22%			Spending per Customer	Low-Income	\$ 889.66		
					Residential	\$ 134.42		
					C&I	\$ 779.05		

Present Value Benefits - 2021-2023 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)													Non-Resource Benefits (\$000)			Environmental Benefits (\$000)					
				CAPACITY						ENERGY				Non-Electric			Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits				
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Electric DRIPE	Total Electric Benefit	Other Fuels	Water Benefit									
Residential Programs																									
B1 - Home Energy Assistance	\$ 5,465	\$ 4,381	\$ 5,465	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,381	\$ 28	\$ 4,410	\$ 746	\$ 309	\$ 1,055	\$ -
A1 - Energy Star Homes	\$ 4,489	\$ 3,787	\$ 5,509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,787	\$ 12	\$ 3,800	\$ 689	\$ 1,020	\$ 1,710	\$ -
A2 - Home Performance with Energy Star	\$ 6,979	\$ 5,981	\$ 8,635	\$ 23	\$ -	\$ 22	\$ 19	\$ -	\$ 2	\$ 1	\$ 15	\$ 11	\$ 1	\$ 96	\$ 5,981	\$ 13	\$ 6,090	\$ 889	\$ 1,637	\$ 2,526	\$ 18	\$ -	\$ -	\$ -	
A3 - Energy Star Products	\$ 6,170	\$ 5,302	\$ 7,684	\$ (1)	\$ -	\$ (1)	\$ (1)	\$ -	\$ 47	\$ 57	\$ (3)	\$ (2)	\$ 5	\$ 100	\$ 5,302	\$ -	\$ 5,403	\$ 767	\$ 1,455	\$ 2,223	\$ 59	\$ -	\$ -	\$ -	
A4 - Home Energy Reports	\$ 641	\$ 592	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 592	\$ -	\$ 592	\$ 49	\$ 160	\$ 208	\$ -	\$ -	\$ -	\$ -	
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A7 - Aerial Infrared Mapping	\$ 658	\$ 608	\$ 822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 608	\$ -	\$ 608	\$ 50	\$ 164	\$ 214	\$ -	\$ -	\$ -	\$ -	
Sub-Total Residential	\$ 24,402	\$ 20,652	\$ 28,915	\$ 22	\$ -	\$ 21	\$ 18	\$ -	\$ 49	\$ 58	\$ 12	\$ 9	\$ 7	\$ 196	\$ 20,652	\$ 54	\$ 20,902	\$ 3,191	\$ 4,746	\$ 7,936	\$ 77	\$ -	\$ -	\$ -	
Commercial/Industrial Programs																									
C1 - Large Business Energy Solutions	\$ 28,333	\$ 24,680	\$ 33,744	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,680	\$ -	\$ 24,680	\$ 3,653	\$ 5,411	\$ 9,064	\$ -	\$ -	\$ -	\$ -	
C2 - Small Business Energy Solutions	\$ 14,665	\$ 11,570	\$ 17,233	\$ 7	\$ -	\$ 7	\$ 6	\$ -	\$ 11	\$ 13	\$ 4	\$ 3	\$ 2	\$ 53	\$ 11,570	\$ 1,009	\$ 12,632	\$ 2,033	\$ 2,548	\$ 4,581	\$ 20	\$ -	\$ -	\$ -	
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total Commercial & Industrial	\$ 42,998	\$ 36,250	\$ 50,976	\$ 7	\$ -	\$ 7	\$ 6	\$ -	\$ 11	\$ 13	\$ 4	\$ 3	\$ 2	\$ 53	\$ 36,250	\$ 1,009	\$ 37,312	\$ 5,686	\$ 7,959	\$ 13,645	\$ 20	\$ -	\$ -	\$ -	
Total	\$ 67,400	\$ 56,902	\$ 79,891	\$ 28	\$ -	\$ 28	\$ 24	\$ -	\$ 61	\$ 71	\$ 16	\$ 13	\$ 8	\$ 249	\$ 56,902	\$ 1,062	\$ 58,214	\$ 8,877	\$ 12,705	\$ 21,581	\$ 96	\$ -	\$ -	\$ -	

Portfolio Planned Versus Actual Performance - 2021-2023											
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of		Actual PI	Source	
							Planned PI	Planned PI			
1 Lifetime MMBtu Savings	6,842,588	4,447,682		-	2.475%	-	\$ 696,321	\$ 870,401	\$ -	Program Cost Effectiveness (Page 1 of 3)	
2 Annual MMBtu Savings	565,179	367,366		-	1.100%	-	\$ 309,476	\$ 386,845	\$ -	Program Cost Effectiveness (Page 1 of 3)	
3 Total Resource Benefits	\$ 58,213,578			-						Present Value Benefits (Page 2 of 3)	
4 Total Utility Costs ¹	\$ 28,134,166			-						Program Cost Effectiveness (Page 1 of 3)	
5 Net Benefits	\$ 30,079,413	\$ 19,551,618	\$ -	-	1.925%	-	\$ 541,583	\$ 676,978	\$ -	Line 5 minus line 6	
6 Total					5.500%	-	\$ 1,547,379	\$ 1,934,224	\$ -	Sum of Rows 1, 2 & 5	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits	\$ 67,399,747		Present Value Benefits (Page 2 of 3)
8 Performance Incentive	\$ 1,547,379	\$ -	Row 6
9 Total Utility Costs	\$ 28,134,166	\$ -	Row 4
10 Portfolio GST BCR	2.27	-	Row 7 Divided by Rows 8+9

Costs, Benefits, and PI Expressed in 2021 Dollars. Three-year nominal PI is \$1,599,921.24.

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.

DE 20-092 EXHIBIT 1 Part 3 & 4

Program Summary - 2021 - 2023 PLAN

Subprogram	Measure	Measure ID	Quantity			Measure Lbs			Net to Gross			% Savings Rate			MWh Reduction Rate			Net Annual MWh Savings			Net Lifetime MWh Savings			Annual Net Energy kWh			Total Net Annual MMBTU			Total Net Lifetime MMBTU		
			2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023			
B1a - HEA (Weatherization)	Air Sealing, Gas	G21B1A001	20	22	24	15	15	15	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	194.9	208.8	231.3	2,923.6	3,131.3	3,469.7				
B1a - HEA (Weatherization)	Faucet Aerators, Gas	G21B1A002	64	68	75	7	7	7	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	9.9	9.7	10.7	63.1	67.6	74.9				
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	G21B1A003	29	31	34	7	7	7	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	16.8	17.8	19.7	116.4	124.7	138.1				
B1a - HEA (Weatherization)	Insulation, Gas	G21B1A004	219	235	260	25	25	25	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	4,407.0	4,720.1	5,230.3	110,175.9	118,002.5	130,756.9				
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	G21B1A005	14	15	17	5	5	5	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-			
B1a - HEA (Weatherization)	LED Bulb, Linear	G21B1A006	-	-	-	10	10	10	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	LED Bulb, Other Specialty	G21B1A007	-	-	-	2	2	2	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	LED Bulb, Reflector	G21B1A008	-	-	-	2	2	2	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	LED Fixture	G21B1A009	-	-	-	2	2	2	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	G21B1A010	78	83	92	7	7	7	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	44.9	48.1	53.3	314.3	336.6	373.0				
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	G21B1A011	110	117	130	20	20	20	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	440.2	471.5	522.4	8,869.8	9,499.9	10,526.8				
B1a - HEA (Weatherization)	Visual Audit	G21B1A012	100	100	100	15	15	15	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	Baseload Audit - SF	G21B1A013	1	1	1	1	1	1	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1a - HEA (Weatherization)	Baseload Audit - MF	G21B1A014	1	1	1	1	1	1	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B1b - HEA (HVAC Systems)	Boiler Replacement, Gas	G21B1001	19	20	21	20	20	20	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	420.5	440.2	461.6	8,410.0	8,804.9	9,232.2				
B1b - HEA (HVAC Systems)	Furnace Replacement, Gas	G21B1002	12	13	13	18	18	18	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	139.0	156.0	2,552.1	2,807.2	2,891.5					
B1b - HEA (HVAC Systems)	Programmable Thermostat, Gas	G21B1003	58	62	62	15	15	15	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	183.8	196.9	196.4	2,756.1	2,954.0	2,985.0				
B1b - HEA (HVAC Systems)	WiFi Thermostat, Gas	G21B1004	237	237	237	15	15	15	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-	1,251.7	1,251.7	1,251.7	18,775.6	18,775.6	18,775.6				
Home Energy Assistance Subtotal																							7,198	7,521	8,138	164,890	164,894	179,185				

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Aza - HPwES (Weatherization)	Air Sealing, Gas	G21AZw001	56	60	68	15	15	15	100%	100%	100%	99%	99%	99%	99%	100%	100%	100%	100%	100%	0.6	0.6	0.7	8.5	9.1	10.3	-	-	-	0.3	0.3	0.4	787.9	847.9	956.2	12,101.8	13,016.3	14,886.3
Aza - HPwES (Weatherization)	Faucet Aerator, Gas	G21AZw002	1	1	1	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.2	1.3	1.3	1.4	1.6
Aza - HPwES (Weatherization)	Hand Held Showerhead, Gas	G21AZw003	56	60	68	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	35.0	37.6	42.4	244.6	253.3	297.1	
Aza - HPwES (Weatherization)	Insulation, Gas	G21AZw004	118	127	143	23	23	23	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	5.8	6.3	7.1	133.8	143.9	162.4	-	-	-	3.2	3.5	3.9	4,289.8	4,614.2	5,296.0	98,536.8	105,987.3	119,581.9
Aza - HPwES (Weatherization)	LED Bulb, General Service Lamps	G21AZw005	6	7	7	5	5	5	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	4.5	4.8	5.4	22.3	23.9	27.0	
Aza - HPwES (Weatherization)	LED Bulb, Linear	G21AZw006	-	-	-	-	-	-	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aza - HPwES (Weatherization)	LED Bulb, Other Specialty	G21AZw007	1	1	1	5	5	5	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	1.8	2.0	2.2	9.1	9.8	11.1	
Aza - HPwES (Weatherization)	LED Bulb, Reflector	G21AZw008	1	1	1	5	5	5	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	2.0	2.1	2.4	9.8	10.6	12.0	
Aza - HPwES (Weatherization)	LED Fixture	G21AZw009	-	-	-	-	-	-	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aza - HPwES (Weatherization)	Low Flow Showerhead, Gas	G21AZw010	2	3	3	7	7	7	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	1.5	1.6	1.8	10.6	11.4	12.9	
Aza - HPwES (Weatherization)	Pipe Insulation - Hot Water, Gas	G21AZw011	7	8	9	20	20	20	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	4.8	5.1	5.8	95.1	102.3	115.4	
Aza - HPwES (Weatherization)	Baseload Audit - Electric Savings	G21AZw012	650	675	700	5	5	5	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aza - HPwES (Weatherization)	Baseload Audit - Thermal Savings	G21AZw013	650	675	700	12	12	12	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aza - HPwES (Weatherization)	Visual Audit kWh Savings	G21AZw014	-	-	-	1	1	1	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Azb - HPwES (HVAC Systems)	Boiler Replacement, Gas	G21AZb001	-	-	-	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Azb - HPwES (HVAC Systems)	Furnace Replacement, Gas	G21AZb002	-	-	-	20	20	20	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Azb - HPwES (HVAC Systems)	Programmable Thermostat, Gas	G21AZb003	51	52	53	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	175.4	179.7	182.6	2,830.8	2,896.1	2,738.4
Azb - HPwES (HVAC Systems)	With Thermostat, Gas	G21AZb004	1,000	1,100	1,200	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	5,742.9	6,316.9	6,894.4	86,130.0	94,743.0	103,350.0
Home Performance with Energy Star Subtotal			1,000	1,100	1,200	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	100%	100%	100%	6.4	6.9	7.7	142.3	153.1	172.7	-	-	-	3.5	3.8	4.3	11,864.2	12,931.8	13,319.0	209,161.6	217,262.4	241,285.2

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C1a - LCI Retrofit	Custom Large Hot Water Retro	G21C1a001	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C1a - LCI Retrofit	Custom Large HVAC Retro	G21C1a002	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C1a - LCI Retrofit	Custom Large Other Retro	G21C1a003	19	19	20	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C1a - LCI Retrofit	Custom Large Process Retro	G21C1a004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Faucet Aerator, Gas	G21C1a005	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Low Flow Showerhead With Thermostatic Valve, Gas	G21C1a006	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Low Flow Showerhead, Gas	G21C1a007	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C1a008	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pre-Rinse Spray Valve, Gas	G21C1a009	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Boiler Reset Controls, Gas	G21C1a010	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Boiler Tune-Up, Gas	G21C1a011	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Energy Management System, Gas	G21C1a012	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Pipe Insulation - Heating, Gas	G21C1a013	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Steam Trap, Gas	G21C1a014	17	18	21	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	Programmable Thermostat, Gas	G21C1a015	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1a - LCI Retrofit	WiFi Thermostat (Heating & Cooling)	G21C1a016	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Custom Large Hot Water New	G21C1b001	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Custom Large HVAC New	G21C1b002	8	10	11	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Custom Large Other New	G21C1b003	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1b - LCI New Equipment and Construction	Custom Large Process New	G21C1b004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler 1701 to 2000 MBH 90 AFUE, Gas	G21C1b005	5	5	5	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler 1000 to 1700 MBH 90 AFUE, Gas	G21C1b006	2	3	4	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler 500 to 999 MBH 90 AFUE, Gas	G21C1b007	6	6	7	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler 300 to 499 MBH 90 AFUE, Gas	G21C1b008	2	6	7	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler to 300 MBH 85 AFUE, Gas	G21C1b009	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Boiler to 300 MBH 80 AFUE, Gas	G21C1b010	2	2	2	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Combo Condensing Boiler / Water Heater, Gas	G21C1b011	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Combo Furnace / Water Heater, Gas	G21C1b012	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Condensing Unit Heater, Gas	G21C1b013	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Furnace w/ ECM 95 AFUE, Gas	G21C1b014	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Furnace w/ ECM 87 AFUE, Gas	G21C1b015	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Infrared Heater, Gas	G21C1b016	19	19	20	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Faucet Aerator, Gas	G21C1b017	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Low Flow Showerhead With Thermostatic Valve, Gas	G21C1b018	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Low Flow Showerhead, Gas	G21C1b019	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Pre-Rinse Spray Valve, Gas	G21C1b020	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Combination Oven, Gas	G21C1b021	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Convection Oven, Gas	G21C1b022	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Conveyor Oven, Gas	G21C1b023	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Fryer, Gas	G21C1b024	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Griddle, Gas	G21C1b025	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Rack Oven, Gas	G21C1b026	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	Steam Cooker, Gas	G21C1b027	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1b - LCI New Equipment and Construction	CMI Large New Construction Code Compliance	G21Aa028	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1c - LCI Midstream	Midstream Combustion Oven, Gas	G21C1c001	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C1c - LCI Midstream	Midstream Convection Oven, Gas	G21C1c002	3	4	5	12	12																																

DE 20-092 EXHIBIT 1 Part 3 & 4

Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023		
C2a - SCI Retrofit	Custom Small Hot Water Retro	G21C2a001	-	-	-	1	1	-	18	18	18	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2a - SCI Retrofit	Custom Small HVAC Retro	G21C2a002	22	23	24	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Other Retro	G21C2a003	-	-	-	-	-	-	17	17	17	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Process Retro	G21C2a004	-	-	-	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Faucet Aerator, Gas	G21C2a005	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Low Flow Showerhead With Thermostatic Valve, Gas	G21C2a006	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Low Flow Showerhead, Gas	G21C2a007	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C2a008	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pre-Rinse Spray Valve, Gas	G21C2a009	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Boiler Reset Controls, Gas	G21C2a010	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Boiler Tune-Up	G21C2a011	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Energy Management System, Gas	G21C2a012	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Pipe Insulation - Heating, Gas	G21C2a013	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Steam Trap, Gas	G21C2a014	-	-	-	6	6	6	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	Programmable Thermostat, Gas	G21C2a015	323	330	337	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2a - SCI Retrofit	WFI Thermostat (Heating & Cooling)	G21C2a016	254	255	257	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment and Construction	Custom Small Hot Water New	E21C2b001	24	26	29	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	6.3	6.4	94.7	95.1	95.8	1.0	1.0	1.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
C2b - SCI New Equipment and Construction	Custom Small HVAC New	E21C2b002	29	33	36	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Custom Small Other New	E21C2b003	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Custom Small Process New	E21C2b004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler 1700 to 2000 MBH 90 AFUE, Gas	E21C2b005	7	7	8	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler 1000 to 1700 MBH 90 AFUE, Gas	E21C2b006	4	5	6	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler 500 to 999 MBH 90 AFUE, Gas	E21C2b007	16	18	22	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler 300 to 499 MBH 90 AFUE, Gas	E21C2b008	17	18	22	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler to 300 MBH 90 AFUE, Gas	E21C2b009	18	18	22	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Boiler to 300 MBH 85 AFUE, Gas	E21C2b010	40	40	57	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment and Construction	Combo Condensing Boiler / Water Heater, Gas	E21C2b011	6	7	8	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Combo Furnace / Water Heater, Gas	E21C2b012	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Condensing Unit Heater, Gas	E21C2b013	7	7	7	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Furnace w/ ECM 90 AFUE, Gas	E21C2b014	17	18	19	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	2.9	3.0	3.2	51.4	54.4	57.5	0.8	0.9	0.9	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Furnace w/ ECM 87 AFUE, Gas	E21C2b015	2	2	2	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	0.3	0.3	0.3	6.0	6.0	6.0	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	-	
C2b - SCI New Equipment and Construction	Infrared Heater, Gas	E21C2b016	47	49	51	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Faucet Aerator, Gas	E21C2b017	130	132	134	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Low Flow Showerhead With Thermostatic Valve, Gas	E21C2b018	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Low Flow Showerhead, Gas	E21C2b019	47	48	49	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Pre-Rinse Spray Valve, Gas	E21C2b020	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Combination Oven, Gas	E21C2b021	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Convection Oven, Gas	E21C2b022	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Conveyor Oven, Gas	E21C2b023	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Fryer, Gas	E21C2b024	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2b - SCI New Equipment and Construction	Griddle, Gas	E21C2b025	-	-	-																																

Liberty Utilities (EnergyNorth Natural Gas) Corp.
Energy Efficiency Programs
For Residential Non-Heating and Heating Classes
November 1, 2020 - October 31, 2021
Energy Efficiency Charge

Liberty Utilities Gas
 NHPUC Docket No. 20 - 092
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Month	Actual or Forecast	Beginning Balance (Over)/Under	Residential DSM Rate Per Therm	DSM Collections	Forecasted DSM Expenditures	Actual DSM Expenditures		Incentive	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Monthly Federal Prime Rate	Interest @ Fed Reserve Bank Loan Rate	Ending Bal. Plus Interest (Over)/Under	Forecasted Residential Therm Sales	Residential Therm Sales	# of Days
						Residential	Low-Income									
May 20	Actual	(110,032)	(\$0.0640)	(308,762)	316,259	109,664	57,347	15,562	(236,221)	(173,126)	3.25%	(1,204)	(237,425)	4,066,455	4,824,165	31
June 20	Actual	(237,425)	(\$0.0640)	(140,008)	316,259	229,611	9,424	15,562	(122,836)	(180,131)	3.25%	(1,207)	(124,043)	1,969,131	2,187,747	30
July 20	Forecast	(124,043)	(\$0.0640)	(71,801)	316,259	0	0	0	120,415	(1,814)	3.25%	(5)	120,410	1,121,890	0	31
August 20	Forecast	120,410	(\$0.0640)	(69,431)	316,259	0	0	0	367,239	243,825	3.25%	673	367,912	1,084,856	0	31
September 20	Forecast	367,912	(\$0.0640)	(102,761)	316,259	0	0	0	581,411	474,661	3.25%	1,268	582,679	1,605,635	0	30
October 20	Forecast	582,679	(\$0.0640)	(181,622)	316,259	0	0	0	717,316	649,997	3.25%	1,794	719,110	2,837,843	0	31
November 20	Forecast	719,110	(\$0.0831)	(573,541)	316,259	0	0	0	461,828	590,469	3.25%	1,577	463,405	6,901,820	0	30
December 20	Forecast	463,405	(\$0.0831)	(835,401)	316,259	0	0	0	(55,736)	203,835	3.25%	563	(55,173)	10,052,958	0	31
January 21	Forecast	(55,173)	(\$0.0831)	(960,762)	398,237	0	0	0	(617,698)	(336,436)	3.25%	(929)	(618,627)	11,561,514	0	31
February 21	Forecast	(618,627)	(\$0.0831)	(750,240)	398,237	0	0	0	(970,630)	(794,628)	3.25%	(1,981)	(972,611)	9,028,156	0	28
March 21	Forecast	(972,611)	(\$0.0831)	(727,444)	398,237	0	0	0	(1,301,819)	(1,137,215)	3.25%	(3,139)	(1,304,958)	8,753,844	0	31
April 21	Forecast	(1,304,958)	(\$0.0831)	(432,798)	398,237	0	0	0	(1,339,519)	(1,322,238)	3.25%	(3,532)	(1,343,051)	5,208,158	0	30
May 21	Forecast	(1,343,051)	(\$0.0831)	(241,118)	398,237	0	0	0	(1,185,932)	(1,264,492)	3.25%	(3,490)	(1,189,423)	2,901,545	0	31
June 21	Forecast	(1,189,423)	(\$0.0831)	(109,497)	398,237	0	0	0	(900,683)	(1,045,053)	3.25%	(2,792)	(903,475)	1,317,656	0	30
July 21	Forecast	(903,475)	(\$0.0831)	(80,574)	398,237	0	0	0	(585,812)	(744,643)	3.25%	(2,055)	(587,867)	969,602	0	31
August 21	Forecast	(587,867)	(\$0.0831)	(82,771)	398,237	0	0	0	(272,401)	(430,134)	3.25%	(1,187)	(273,588)	996,041	0	31
September 21	Forecast	(273,588)	(\$0.0831)	(149,205)	398,237	0	0	0	(24,556)	(149,072)	3.25%	(398)	(24,955)	1,795,484	0	30
October 21	Forecast	(24,955)	(\$0.0831)	(370,009)	398,237	0	0	0	3,273	(10,841)	3.25%	(30)	3,243	4,452,576	0	31
November 21	Forecast	3,243	(\$0.0831)	(573,541)	398,237	0	0	0	(172,061)	(84,409)	3.25%	(225)	(172,287)	6,901,820	0	30
December 21	Forecast	(172,287)	(\$0.0831)	(835,401)	398,237	0	0	0	(609,451)	(390,869)	3.25%	(1,079)	(610,529)	10,052,958	0	31

Estimated Residential Conservation Charge	
Effective November 1, 2020 - October 31, 2021	
Beginning Balance	\$ 719,110
Program Budget Nov 2020-Oct 2021	4,614,887
Projected Interest	(17,532)
Projected Budget with Interest	\$ 5,316,465
Total Charges	\$ 5,316,465
Projected Therm Sales	63,939,354
Residential Rate	\$0.0831
Total Charges with Interest	\$ 5,316,465
Projected Therm Sales	63,939,354
Residential Rate	\$0.0831

Residential Non Heating Therm Sales	0%	711,615	699,327	0%
Residential Heating Therm Sales	34%	63,227,739	63,382,533	36%
C&I Therm Sales	66%	121,652,799	112,542,801	64%
Total Therm Sales	100%	185,592,152	176,624,661	100%
		<u>Budget</u>	<u>Budget</u>	
		2020	2021	
Low-Income Program Budget		\$ 1,676,441	\$ 1,523,570	
Other Refund		-	-	
Total Shared Budget		\$ 1,676,441	\$ 1,523,570	
Residential Program Budget		\$ 2,962,415	\$ 3,926,326	
Residential Program Incentive		\$ 255,137	\$ 299,744	
Total Residential Program Budget		\$ 3,217,552	\$ 4,226,070	
Commercial/Industrial Program Budget		\$ 4,083,759	\$ 3,512,260	
Commercial/Industrial Program Incentive		\$ 224,607	\$ 193,174	
Total Commercial/Industrial Program Budget		\$ 4,308,366	\$ 3,705,434	
Total Program Budget		\$ 9,202,359	\$ 9,455,074	
Shared Expenses Allocation to Residential		\$ 577,560	\$ 552,772	
Shared Expenses Allocation to C&I		1,098,881	970,798	
Total Allocated Shared Expenses		\$ 1,676,441	\$ 1,523,570	
Total Residential (including allocation of Shared Budget)		\$ 3,795,112	\$ 4,778,842	
Total C&I (including allocation of Shared Budget)		<u>5,407,247</u>	<u>4,676,232</u>	
Total Budget		\$ 9,202,359	\$ 9,455,074	

Liberty Utilities (EnergyNorth Natural Gas) Corp.
 Energy Efficiency Programs
 For Commercial/Industrial Classes
 November 1, 2020 - October 31, 2021
 Energy Efficiency Charge

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Month	Actual or Forecast	Beginning Balance (Over)/Under	DSM Rate Per Therm	DSM Collections	Forecasted DSM Expenditures	Actual DSM Expenditures		Incentive	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Fed Reserve Prime Rate	Interest @ Fed Reserve Bank Loan Rate	Ending Bal. Plus Interest (Over)/Under	Forecasted Commercial/Industrial Therm Sales	Actual Commercial/Industrial Therm Sales	# of Days
						C&I	Low-Income									
May 20	Actual	(628,844)	(\$0.0426)	(349,588)	455,607	177,056	76,019	14,422	(710,935)	(669,889)	3.25%	(1,116)	(712,051)	8,443,740	8,205,951	31
June 20	Actual	(712,051)	(\$0.0426)	(216,372)	455,607	227,776	12,493	14,422	(673,733)	(692,892)	3.25%	(1,119)	(674,851)	5,816,016	5,079,339	30
July 20	Forecast	(674,851)	(\$0.0426)	(188,185)	455,607	0	0		(407,429)	(541,140)	3.25%	(1,494)	(408,923)	4,417,480	0	31
August 20	Forecast	(408,923)	(\$0.0426)	(183,699)	455,607	0	0		(137,015)	(272,969)	3.25%	(753)	(137,768)	4,312,181	0	31
September 20	Forecast	(137,768)	(\$0.0426)	(203,791)	455,607	0	0		114,047	(11,861)	3.25%	(32)	114,015	4,783,833	0	30
October 20	Forecast	114,015	(\$0.0426)	(270,127)	455,607	0	0		299,495	206,755	3.25%	571	300,066	6,340,998	0	31
November 20	Forecast	300,066	(\$0.0441)	(504,827)	455,607	0	0		250,846	275,456	3.25%	736	251,582	11,447,324	0	30
December 20	Forecast	251,582	(\$0.0441)	(678,482)	455,607	0	0		28,707	140,144	3.25%	387	29,094	15,385,075	0	31
January 21	Forecast	29,094	(\$0.0441)	(768,610)	389,686	0	0		(349,831)	(160,369)	3.25%	(443)	(350,273)	17,428,801	0	31
February 21	Forecast	(350,273)	(\$0.0441)	(659,265)	389,686	0	0		(619,852)	(485,063)	3.25%	(1,209)	(621,062)	14,949,322	0	28
March 21	Forecast	(621,062)	(\$0.0441)	(580,130)	389,686	0	0		(811,506)	(716,284)	3.25%	(1,977)	(813,483)	13,154,881	0	31
April 21	Forecast	(813,483)	(\$0.0441)	(399,341)	389,686	0	0		(823,138)	(818,311)	3.25%	(2,186)	(825,324)	9,055,353	0	30
May 21	Forecast	(825,324)	(\$0.0441)	(294,904)	389,686	0	0		(730,542)	(777,933)	3.25%	(2,147)	(732,689)	6,687,163	0	31
June 21	Forecast	(732,689)	(\$0.0441)	(213,144)	389,686	0	0		(556,148)	(644,419)	3.25%	(1,721)	(557,869)	4,833,207	0	30
July 21	Forecast	(557,869)	(\$0.0441)	(200,426)	389,686	0	0		(368,609)	(463,239)	3.25%	(1,279)	(369,887)	4,544,800	0	31
August 21	Forecast	(369,887)	(\$0.0441)	(208,090)	389,686	0	0		(188,291)	(279,089)	3.25%	(770)	(189,062)	4,718,593	0	31
September 21	Forecast	(189,062)	(\$0.0441)	(241,904)	389,686	0	0		(41,279)	(115,171)	3.25%	(308)	(41,587)	5,485,342	0	30
October 21	Forecast	(41,587)	(\$0.0441)	(350,395)	389,686	0	0		(2,296)	(21,942)	3.25%	(61)	(2,357)	7,945,466	0	31
November 21	Forecast	(2,357)	(\$0.0441)	(504,827)	389,686	0	0		(117,498)	(59,927)	3.25%	(160)	(117,658)	11,447,324	0	30
December 21	Forecast	(117,658)	(\$0.0441)	(678,482)	389,686	0	0		(406,454)	(262,056)	3.25%	(723)	(407,177)	15,385,075	0	31

Estimated C&I Conservation Charge November 1, 2020 - October 31, 2021	
Beginning Balance	300,066
Program Budget Nov 2020-Oct 2021	4,808,073
Projected Interest	(10,978)
Program Budget with Interest	5,097,161
Total Charges	\$5,097,161
Projected Therm Sales	115,635,325
C&I Rate	\$0.0441
Total Charges with Interest	\$5,099,518
Projected Therm Sales	115,635,325
C&I Rate	\$0.0441

**Liberty Utilities (EnergyNorth Natural Gas) Corp.
Energy Efficiency Programs
For Residential and Commercial/Industrial Classes
November 1, 2020 - October 31, 2021
Energy Efficiency Charge**

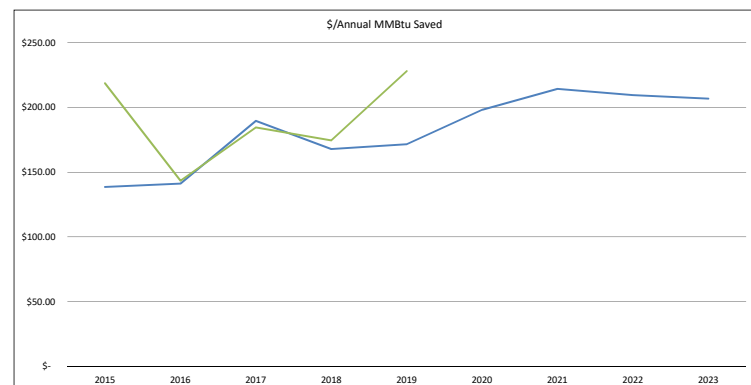
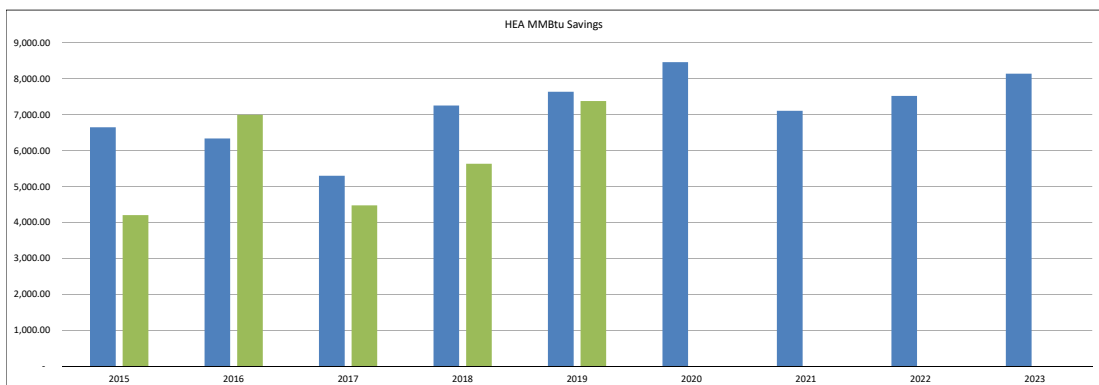
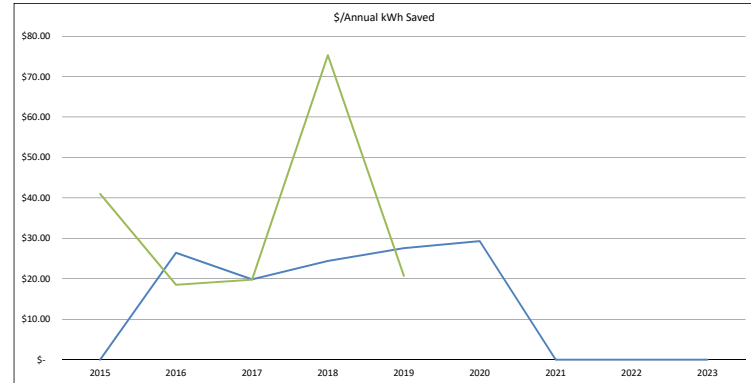
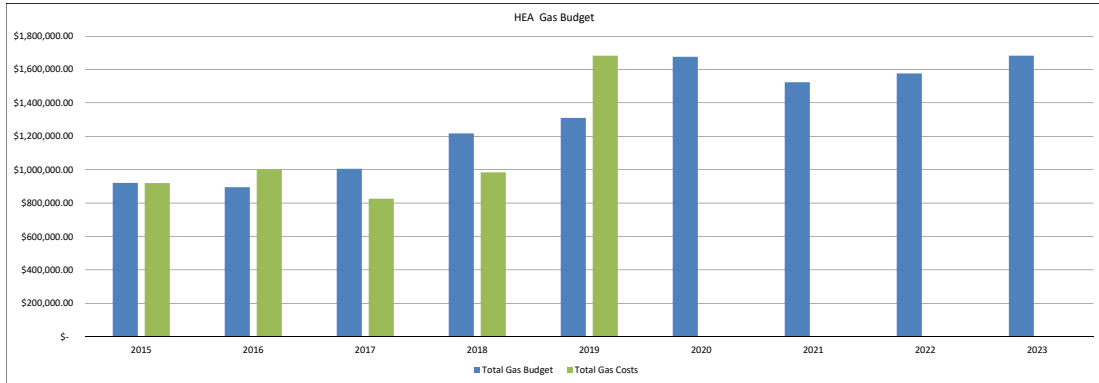
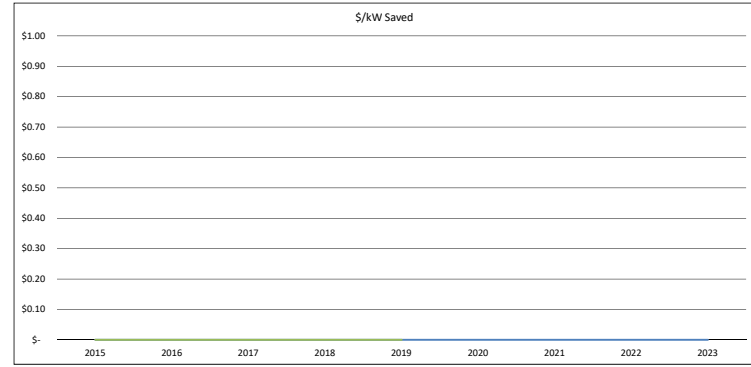
Liberty Utilities Gas
NHPUC Docket No. 20-092
Attachment I3 - September 1, 2020
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Month	Actual or Forecast	Beginning Balance (Over)/Under	DSM Rate Per Therm	DSM Collections	Forecasted DSM Expenditures	Actual DSM Expenditures				Incentive	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Plus Interest Prime Rate	Interest @ Fed Reserve Bank Loan Rate	Ending Bal. Plus Interest (Over)/Under	Forecasted Therm Sales	Actual Therm Sales	# of Days
						Residential	C&I	Low-Income	Total									
May 20	Actual	(738,875)	n/a	(658,351)	771,866	109,664	177,056	133,366	420,086	29,984	(947,156)	(843,016)	3.25%	(2,327)	(949,483)	12,333,808	12,290,578	31
June 20	Actual	(949,477)	n/a	(356,380)	771,866	229,611	227,776	21,917	479,305	29,984	(796,568)	(873,023)	3.25%	(2,332)	(798,901)	7,703,669	7,740,734	30
July 20	Forecast	(798,894)	n/a	(259,986)	771,866	0	0	0	0		(287,014)	(542,954)	3.25%	(1,499)	(288,512)	5,471,615	2,303,736	31
August 20	Forecast	(288,512)	n/a	(253,130)	771,866	0	0	0	0		230,224	(29,144)	3.25%	(80)	230,143	5,317,216	0	31
September 20	Forecast	230,143	n/a	(306,552)	771,866	0	0	0	0		695,458	462,801	3.25%	1,236	696,694	6,269,177	0	30
October 20	Forecast	696,694	n/a	(451,748)	771,866	0	0	0	0		1,016,811	856,753	3.25%	2,365	1,019,176	9,068,225	0	31
November 20	Forecast	1,019,176	n/a	(1,078,368)	771,866	0	0	0	0		712,674	865,925	3.25%	2,313	714,987	13,857,797	0	30
December 20	Forecast	714,987	n/a	(1,513,883)	771,866	0	0	0	0		(27,029)	343,979	3.25%	949	(26,080)	21,185,695	0	31
January 21	Forecast	(26,080)	n/a	(1,729,372)	787,923	0	0	0	0		(967,529)	(496,804)	3.25%	(1,371)	(968,900)	28,674,991	0	31
February 21	Forecast	(968,900)	n/a	(1,409,505)	787,923	0	0	0	0		(1,590,482)	(1,279,691)	3.25%	(3,190)	(1,593,673)	30,438,317	0	28
March 21	Forecast	(1,593,673)	n/a	(1,307,575)	787,923	0	0	0	0		(2,113,325)	(1,853,499)	3.25%	(5,116)	(2,118,441)	26,349,344	0	31
April 21	Forecast	(2,118,441)	n/a	(832,139)	787,923	0	0	0	0		(2,162,657)	(2,140,549)	3.25%	(5,718)	(2,168,375)	19,706,228	0	30
May 21	Forecast	(2,168,375)	n/a	(536,022)	787,923	0	0	0	0		(1,916,474)	(2,042,425)	3.25%	(5,638)	(1,922,112)	12,611,378	0	31
June 21	Forecast	(1,922,112)	n/a	(322,642)	787,923	0	0	0	0		(1,456,831)	(1,689,471)	3.25%	(4,513)	(1,461,344)	7,850,220	0	30
July 21	Forecast	(1,461,344)	n/a	(281,000)	787,923	0	0	0	0		(954,420)	(1,207,882)	3.25%	(3,334)	(957,755)	5,539,370	0	31
August 21	Forecast	(957,755)	n/a	(290,861)	787,923	0	0	0	0		(460,693)	(709,224)	3.25%	(1,958)	(462,650)	5,397,037	0	31
September 21	Forecast	(462,650)	n/a	(391,108)	787,923	0	0	0	0		(65,836)	(264,243)	3.25%	(706)	(66,542)	6,389,467	0	30
October 21	Forecast	(66,542)	n/a	(720,404)	787,923	0	0	0	0		977	(32,782)	3.25%	(90)	887	9,178,841	0	31
November 21	Forecast	887	n/a	(1,078,368)	787,923	0	0	0	0		(289,559)	(144,336)	3.25%	(386)	(289,944)	13,857,797	0	30
December 21	Forecast	(289,944)	n/a	(1,513,883)	787,923	0	0	0	0		(1,015,904)	(652,924)	3.25%	(1,802)	(1,017,707)	21,185,695	0	31

Residential (R-1 & R-3) and C & I Conservation Charge November 1, 2020 - October 31, 2021	
Beginning Balance	\$ 1,019,176
Program Budget Nov 2020-Oct 2021	\$ 9,422,960
Projected Interest	\$ (28,510)
Program Budget with Interest	\$ 10,413,627
Total Charges	\$10,413,627

Home Energy Assistance

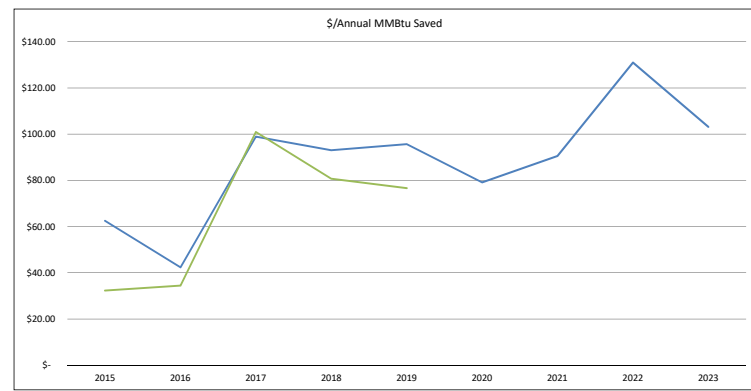
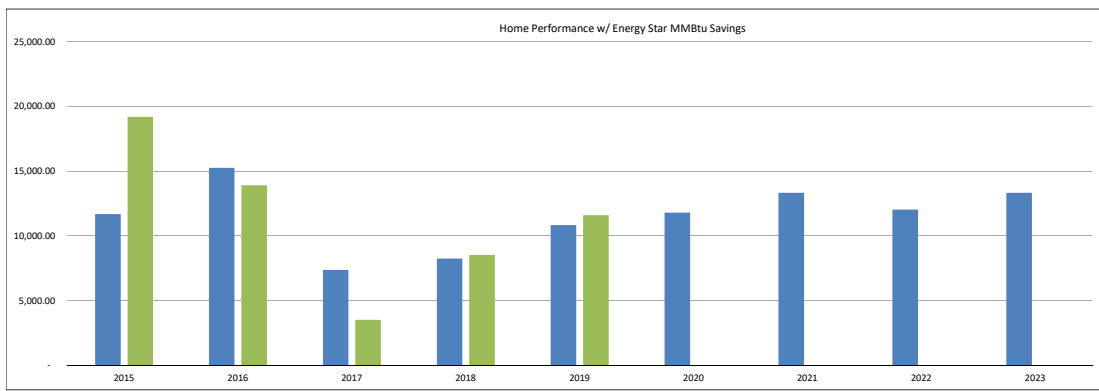
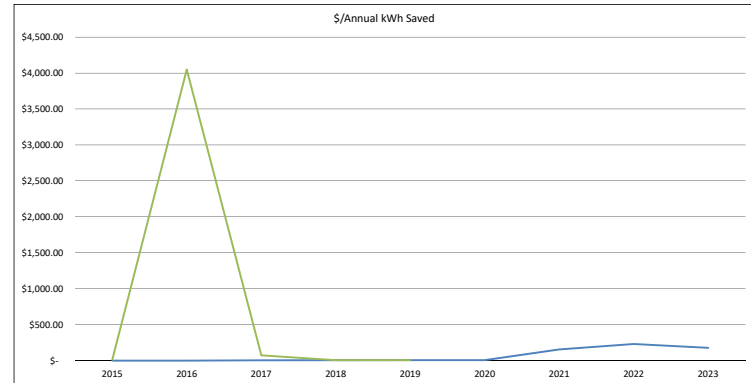
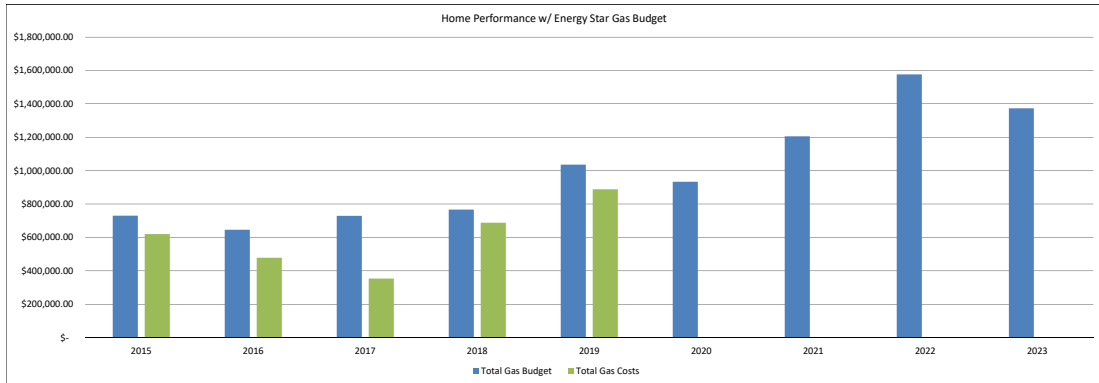
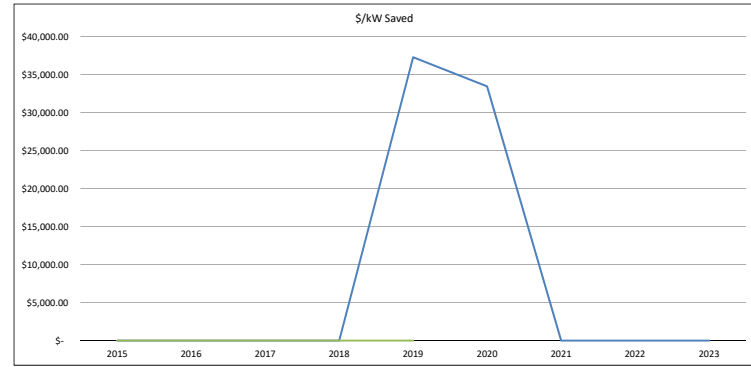
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 921,250.00	\$ 895,000.00	\$ 1,005,700.00	\$ 1,217,300.00	\$ 1,310,342.19	\$ 1,676,441.36	\$ 1,523,570.00	\$ 1,576,174.33	\$ 1,683,072.54
	Annual Electric Savings Plan (kWh)	\$ -	\$ 33,878.44	\$ 50,719.26	\$ 49,935.01	\$ 47,538.87	\$ 57,178.54	\$ -	\$ -	\$ -
	\$/Annual kWh Plan	\$ -	\$ 26.42	\$ 19.83	\$ 24.38	\$ 27.56	\$ 29.32	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 921,250.00	\$ 895,000.00	\$ 1,005,700.00	\$ 1,217,300.00	\$ 1,310,342.19	\$ 1,676,441.36	\$ 1,523,570.00	\$ 1,576,174.33	\$ 1,683,072.54
	Total summer peak kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 921,250.00	\$ 895,000.00	\$ 1,005,700.00	\$ 1,217,300.00	\$ 1,310,342.19	\$ 1,676,441.36	\$ 1,523,570.00	\$ 1,576,174.33	\$ 1,683,072.54
	Total Annual MMBtu Plan	6,650.66	6,338.51	5,302.03	7,252.46	7,636.96	8,460.12	7,107.75	7,520.70	8,138.08
	\$/Annual MMBtu Plan	\$ 138.52	\$ 141.20	\$ 189.68	\$ 167.85	\$ 171.58	\$ 198.16	\$ 214.35	\$ 209.58	\$ 206.81
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 919,750.53	\$ 1,003,642.21	\$ 826,371.23	\$ 984,076.99	\$ 1,683,151.63				
	Annual Electric Savings Actual (kWh)	22,452.20	54,303.44	41,805.90	13,069.01	81,247.30				
	\$/Annual kWh Actual	\$ 40.96	\$ 18.48	\$ 19.77	\$ 75.30	\$ 20.72				
2)	Total Gas Costs	\$ 919,750.53	\$ 1,003,642.21	\$ 826,371.23	\$ 984,076.99	\$ 1,683,151.63				
	Total summer peak kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 919,750.53	\$ 1,003,642.21	\$ 826,371.23	\$ 984,076.99	\$ 1,683,151.63				
	Total Annual MMBtu Actual	4,206.13	6,997.88	4,476.14	5,636.02	7,377.76				
	\$/Annual MMBtu Actual	\$ 218.67	\$ 143.42	\$ 184.62	\$ 174.60	\$ 228.14				



Home Performance w/Energy Star

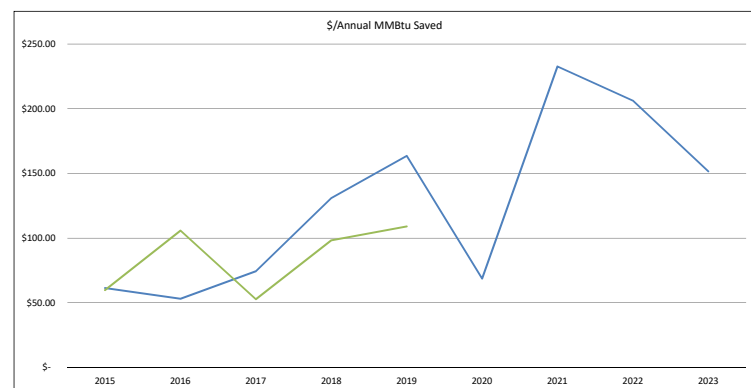
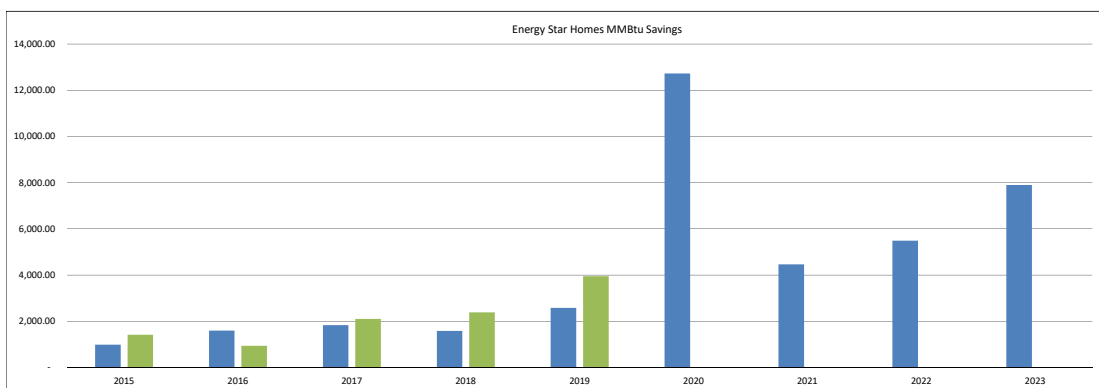
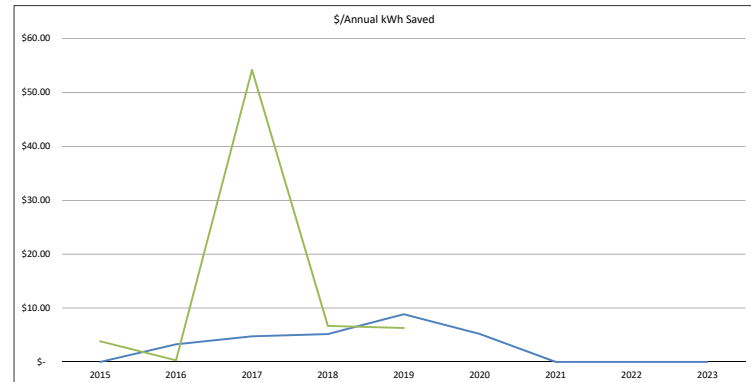
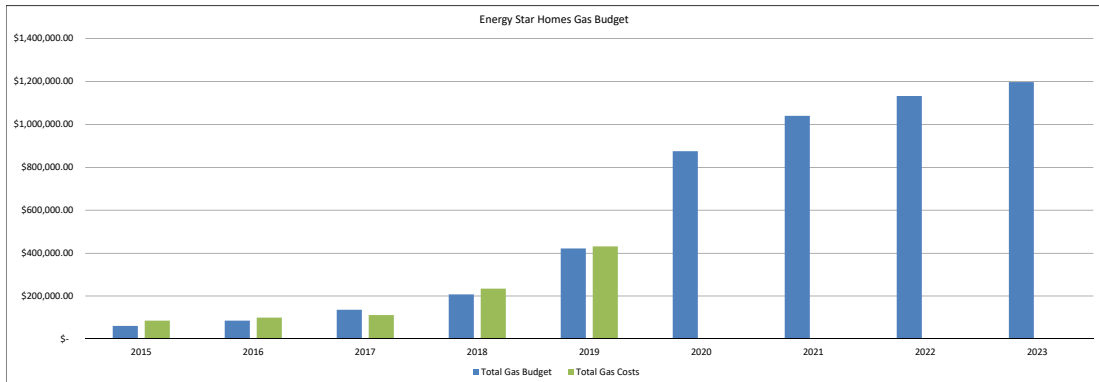
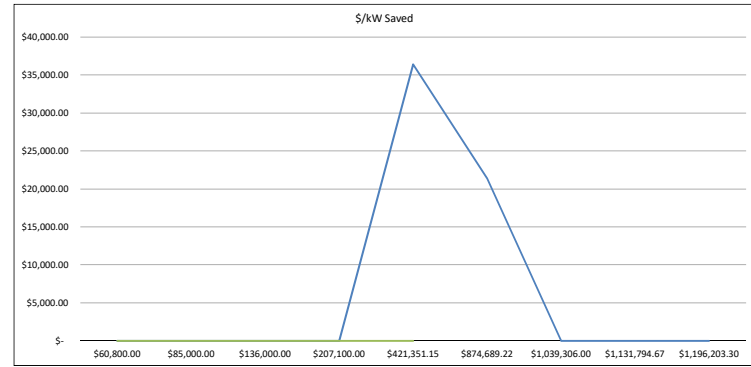
Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 730,157.00	\$ 645,815.00	\$ 729,200.00	\$ 767,160.00	\$ 1,035,751.28	\$ 933,161.78	\$ 1,205,798.00	\$ 1,576,174.33	\$ 1,373,780.23
	Annual Electric Savings Plan (kWh)	-	-	185,369.92	119,725.12	177,985.24	178,695.06	7,740.04	6,860.12	7,740.04
	\$/Annual kWh Plan	\$ -	\$ -	\$ 3.93	\$ 6.41	\$ 5.82	\$ 5.22	\$ 155.79	\$ 229.76	\$ 177.49
2)	Total Gas Budget	\$ 730,157.00	\$ 645,815.00	\$ 729,200.00	\$ 767,160.00	\$ 1,035,751.28	\$ 933,161.78	\$ 1,205,798.00	\$ 1,576,174.33	\$ 1,373,780.23
	Total summer peak kW Plan	-	-	-	-	27.77	27.88	-	-	-
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ 37,302.35	\$ 33,474.12	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 730,157.00	\$ 645,815.00	\$ 729,200.00	\$ 767,160.00	\$ 1,035,751.28	\$ 933,161.78	\$ 1,205,798.00	\$ 1,576,174.33	\$ 1,373,780.23
	Total Annual MMBtu Plan	11,681.19	15,257.70	7,369.27	8,247.88	10,825.20	11,796.09	13,318.97	12,031.80	13,318.97
	\$/Annual MMBtu Plan	\$ 62.51	\$ 42.33	\$ 98.95	\$ 93.01	\$ 95.68	\$ 79.11	\$ 90.53	\$ 131.00	\$ 103.14

Actuals		2015	2016	2017	2018	2019
1)	Total Gas Costs	\$ 619,872.77	\$ 478,819.12	\$ 354,067.20	\$ 688,212.32	\$ 888,594.74
	Annual Electric Savings Actual (kWh)	45,640.00	118.28	4,817.00	116,260.00	192,555.62
	\$/Annual kWh Actual	\$ 13.58	\$ 4,048.30	\$ 73.50	\$ 5.92	\$ 4.61
2)	Total Gas Costs	\$ 619,872.77	\$ 478,819.12	\$ 354,067.20	\$ 688,212.32	\$ 888,594.74
	Total summer peak kW Actual	-	-	-	-	-
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Costs	\$ 619,872.77	\$ 478,819.12	\$ 354,067.20	\$ 688,212.32	\$ 888,594.74
	Total Annual MMBtu Actual	19,203.20	13,900.99	3,507.99	8,527.40	11,592.83
	\$/Annual MMBtu Actual	\$ 32.28	\$ 34.44	\$ 100.93	\$ 80.71	\$ 76.65



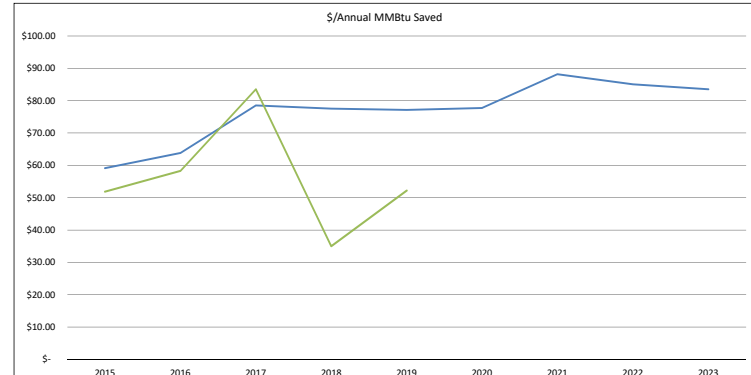
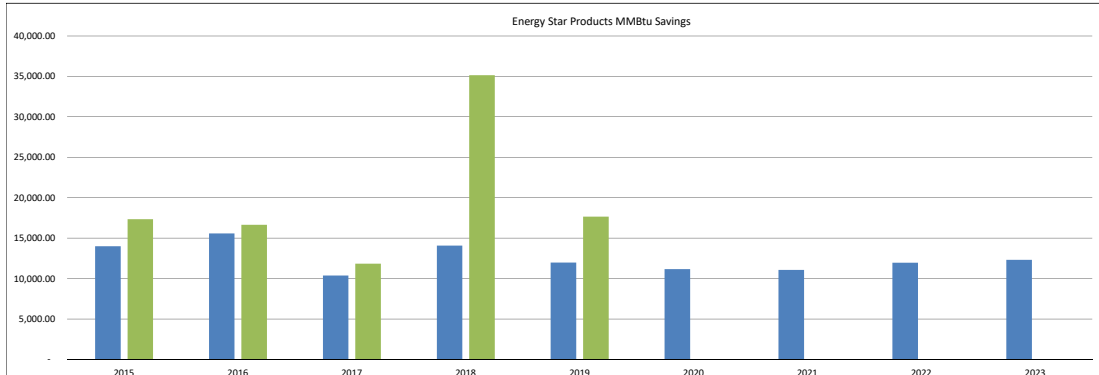
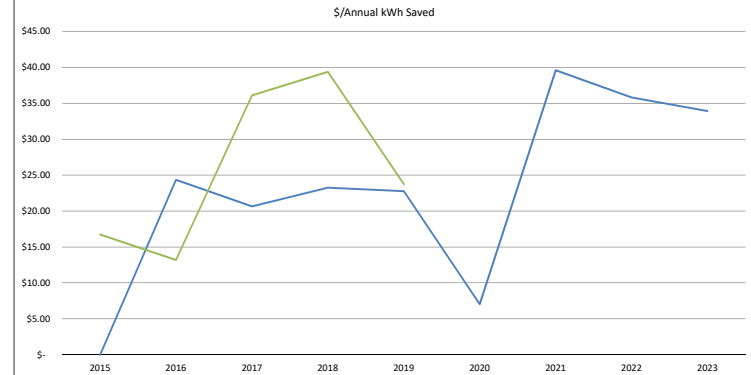
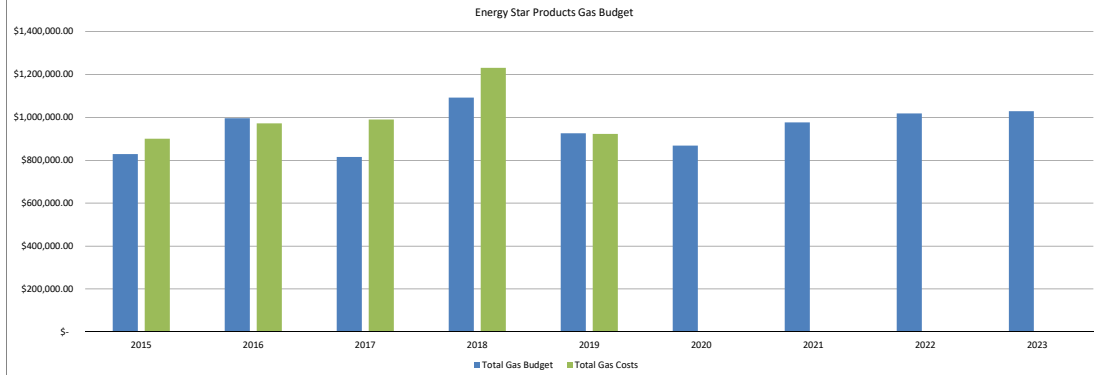
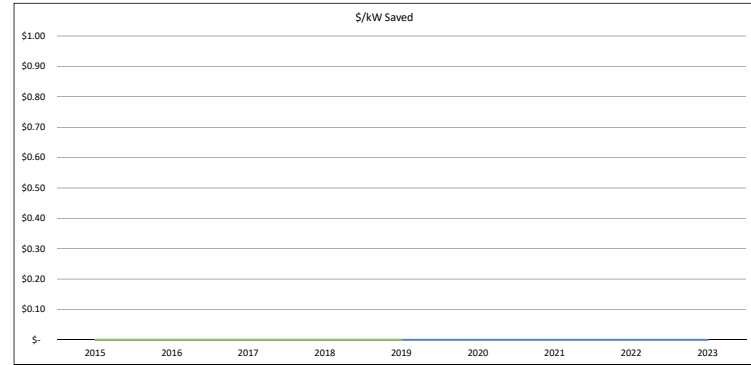
Energy Star Homes

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 60,800.00	\$ 85,000.00	\$ 136,000.00	\$ 207,100.00	\$ 421,351.15	\$ 874,689.22	\$ 1,039,306.00	\$ 1,131,794.67	\$ 1,196,203.30
	Annual Electric Savings Plan (kWh)	\$ -	\$ 26,098.44	\$ 28,722.49	\$ 40,277.27	\$ 47,700.96	\$ 168,486.15	\$ 5.19	\$ -	\$ -
	\$/Annual kWh Plan	\$ -	\$ 3.26	\$ 4.73	\$ 5.14	\$ 8.83	\$ 5.19	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 60,800.00	\$ 85,000.00	\$ 136,000.00	\$ 207,100.00	\$ 421,351.15	\$ 874,689.22	\$ 1,039,306.00	\$ 1,131,794.67	\$ 1,196,203.30
	Total summer peak kW Plan	\$ -	\$ -	\$ -	\$ -	\$ 11.57	\$ 40.88	\$ -	\$ -	\$ -
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ 36,404.46	\$ 21,395.73	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 60,800.00	\$ 85,000.00	\$ 136,000.00	\$ 207,100.00	\$ 421,351.15	\$ 874,689.22	\$ 1,039,306.00	\$ 1,131,794.67	\$ 1,196,203.30
	Total Annual MMBtu Plan	989.66	1,599.35	1,828.65	1,582.72	2,576.78	12,724.41	4,465.68	5,488.09	7,895.00
	\$/Annual MMBtu Plan	\$ 61.44	\$ 53.15	\$ 74.37	\$ 130.85	\$ 163.52	\$ 68.74	\$ 232.73	\$ 206.23	\$ 151.51
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 84,958.18	\$ 99,239.80	\$ 111,025.37	\$ 234,317.20	\$ 430,693.18				
	Annual Electric Savings Actual (kWh)	22,296.00	348,784.00	2,050.64	35,232.50	68,607.90				
	\$/Annual kWh Actual	\$ 3.81	\$ 0.28	\$ 54.14	\$ 6.65	\$ 6.28				
2)	Total Gas Costs	\$ 84,958.18	\$ 99,239.80	\$ 111,025.37	\$ 234,317.20	\$ 430,693.18				
	Total summer peak kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 84,958.18	\$ 99,239.80	\$ 111,025.37	\$ 234,317.20	\$ 430,693.18				
	Total Annual MMBtu Actual	1,419.50	937.50	2,103.50	2,384.90	3,952.99				
	\$/Annual MMBtu Actual	\$ 59.85	\$ 105.86	\$ 52.78	\$ 98.25	\$ 108.95				



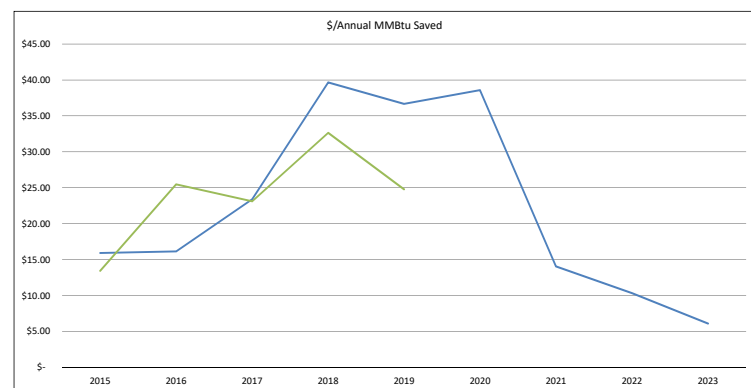
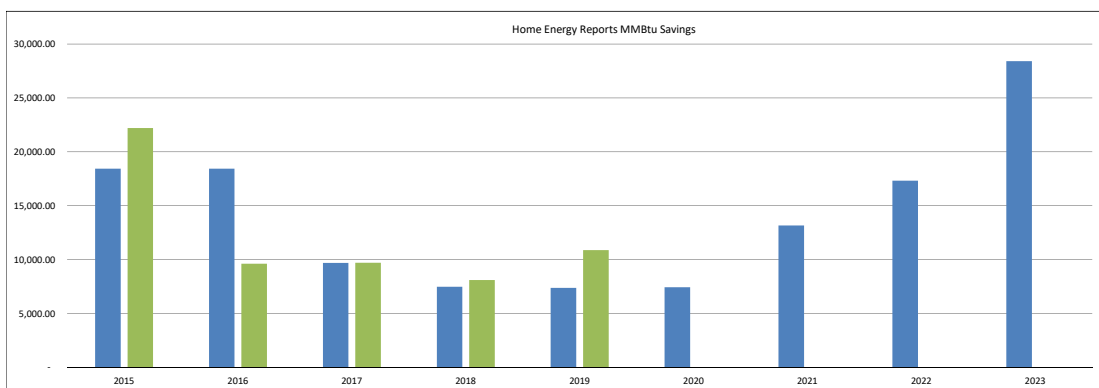
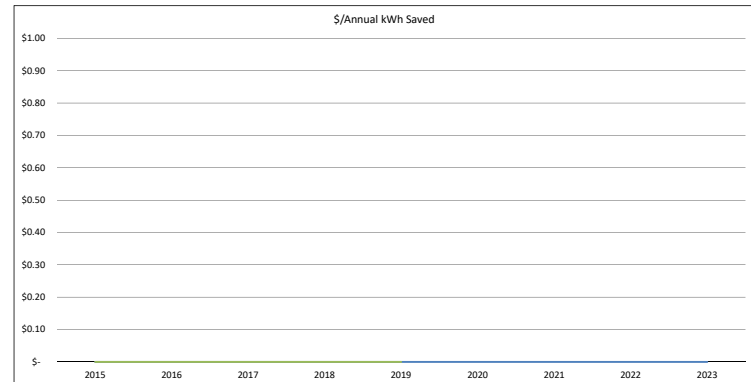
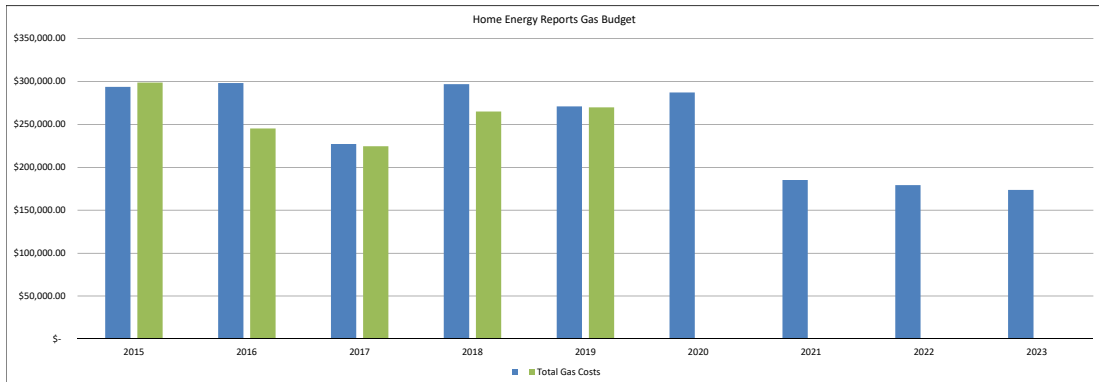
Energy Star Products

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 828,043.00	\$ 995,000.00	\$ 815,220.00	\$ 1,091,674.00	\$ 925,001.00	\$ 867,569.00	\$ 975,798.00	\$ 1,017,591.28	\$ 1,028,147.44
	Annual Electric Savings Plan (kWh)	-	40,875.38	39,480.00	46,959.26	40,628.00	123,094.00	24,650.00	28,420.00	30,315.00
	\$/Annual kWh Plan	\$ -	\$ 24.34	\$ 20.65	\$ 23.25	\$ 22.77	\$ 7.05	\$ 39.59	\$ 35.81	\$ 33.92
2)	Total Gas Budget	\$ 828,043.00	\$ 995,000.00	\$ 815,220.00	\$ 1,091,674.00	\$ 925,001.00	\$ 867,569.00	\$ 975,798.00	\$ 1,017,591.28	\$ 1,028,147.44
	Total summer peak kW Plan	-	-	-	-	-	-	(0.28)	(0.30)	(0.29)
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 828,043.00	\$ 995,000.00	\$ 815,220.00	\$ 1,091,674.00	\$ 925,001.00	\$ 867,569.00	\$ 975,798.00	\$ 1,017,591.28	\$ 1,028,147.44
	Total Annual MMBtu Plan	14,005.99	15,590.22	10,383.60	14,078.80	11,989.98	11,161.38	11,065.56	11,961.24	12,310.11
	\$/Annual MMBtu Plan	\$ 59.12	\$ 63.82	\$ 78.51	\$ 77.54	\$ 77.15	\$ 77.73	\$ 88.18	\$ 85.07	\$ 83.52
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 899,813.80	\$ 970,998.20	\$ 989,619.28	\$ 1,230,077.32	\$ 921,922.15				
	Annual Electric Savings Actual (kWh)	53,802.80	73,636.72	27,419.00	31,248.00	38,843.00				
	\$/Annual kWh Actual	\$ 16.72	\$ 13.19	\$ 36.09	\$ 39.36	\$ 23.73				
2)	Total Gas Costs	\$ 899,813.80	\$ 970,998.20	\$ 989,619.28	\$ 1,230,077.32	\$ 921,922.15				
	Total summer peak kW Actual	-	-	-	-	-				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 899,813.80	\$ 970,998.20	\$ 989,619.28	\$ 1,230,077.32	\$ 921,922.15				
	Total Annual MMBtu Actual	17,351.10	16,657.70	11,845.70	35,151.30	17,650.50				
	\$/Annual MMBtu Actual	\$ 51.86	\$ 58.29	\$ 83.54	\$ 34.99	\$ 52.23				



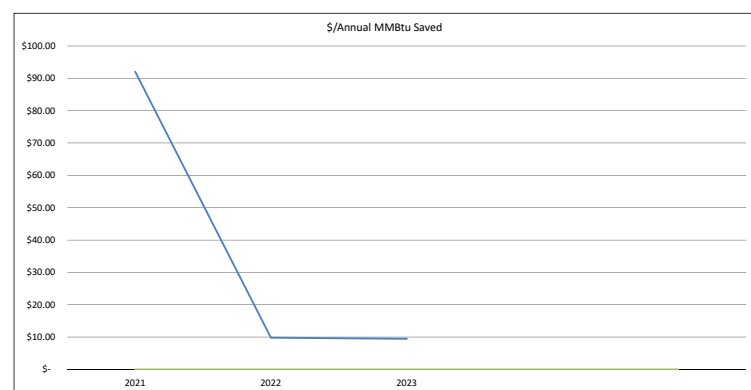
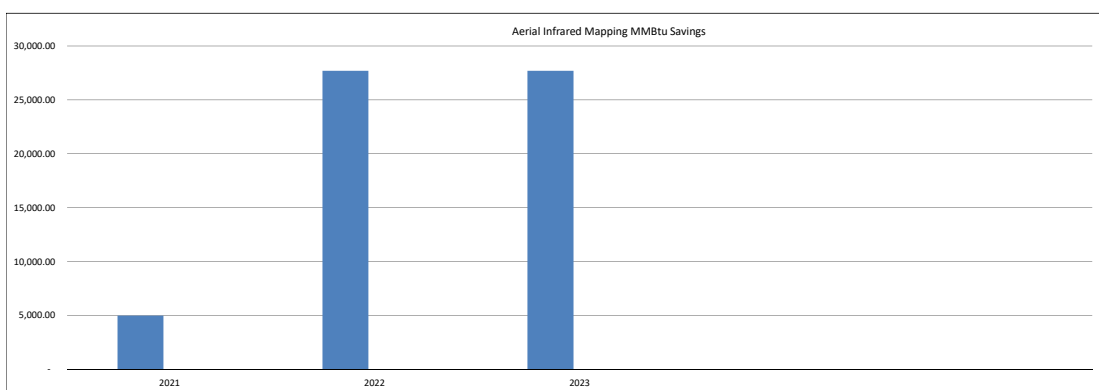
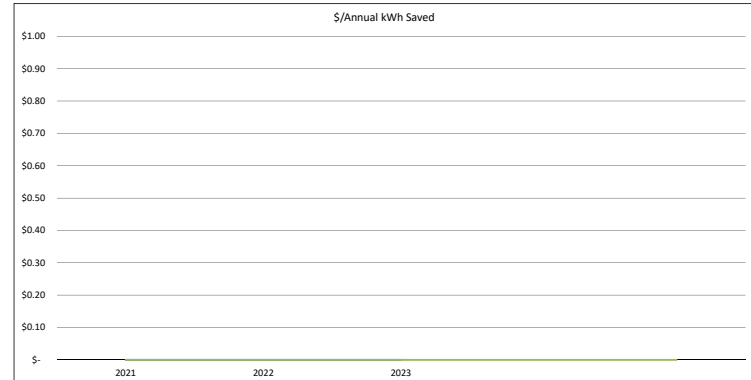
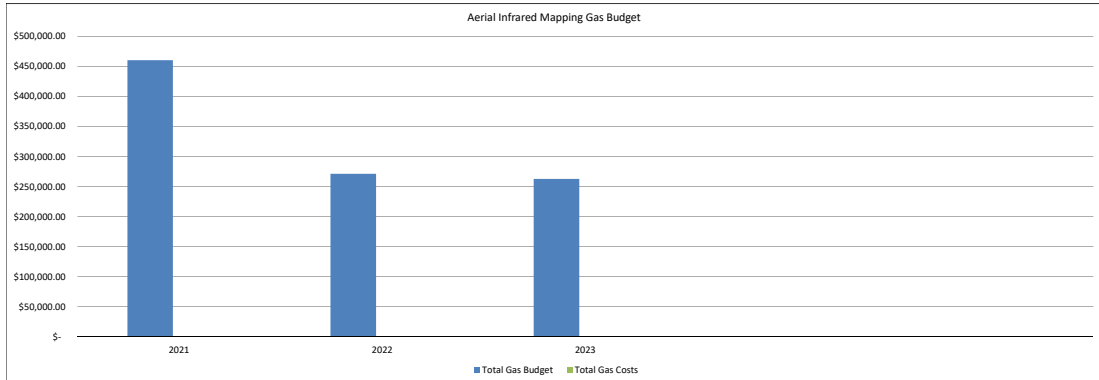
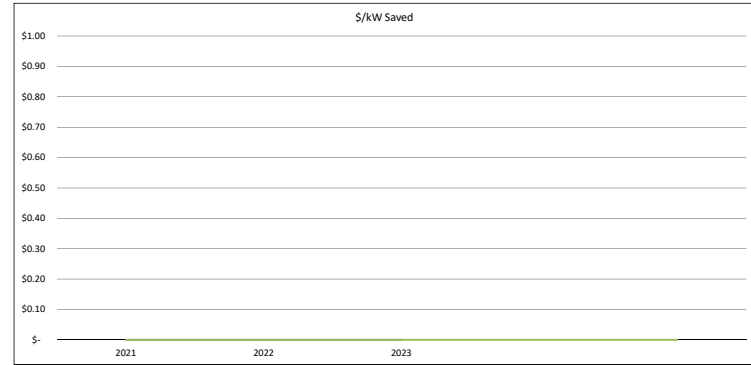
Home Energy Reports

<u>Planned</u>		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 293,550.00	\$ 298,000.00	\$ 227,000.00	\$ 296,600.00	\$ 270,764.00	\$ 286,994.54	\$ 185,000.00	\$ 179,176.76	\$ 173,536.81
	Annual Electric Savings Plan (kWh)	-	-	-	-	-	-	-	-	-
	\$/Annual kWh Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 293,550.00	\$ 298,000.00	\$ 227,000.00	\$ 296,600.00	\$ 270,764.00	\$ 286,994.54	\$ 185,000.00	\$ 179,176.76	\$ 173,536.81
	Total summer peak kW Plan	-	-	-	-	-	-	-	-	-
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 293,550.00	\$ 298,000.00	\$ 227,000.00	\$ 296,600.00	\$ 270,764.00	\$ 286,994.54	\$ 185,000.00	\$ 179,176.76	\$ 173,536.81
	Total Annual MMBtu Plan	\$ 18,440.10	\$ 18,440.10	\$ 9,700.00	\$ 7,480.00	\$ 7,384.00	\$ 7,438.20	\$ 13,169.10	\$ 17,325.42	\$ 28,410.00
	\$/Annual MMBtu Plan	\$ 15.92	\$ 16.16	\$ 23.40	\$ 39.65	\$ 36.67	\$ 38.58	\$ 14.05	\$ 10.34	\$ 6.11
Home Energy Assistance										
<u>Actuals</u>		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 298,541.76	\$ 245,049.37	\$ 224,349.60	\$ 264,913.58	\$ 269,754.70				
	Annual Electric Savings Actual (kWh)	-	-	-	-	-				
	\$/Annual kWh Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
2)	Total Gas Costs	\$ 298,541.76	\$ 245,049.37	\$ 224,349.60	\$ 264,913.58	\$ 269,754.70				
	Total summer peak kW Actual	-	-	-	-	-				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 298,541.76	\$ 245,049.37	\$ 224,349.60	\$ 264,913.58	\$ 269,754.70				
	Total Annual MMBtu Actual	\$ 22,213.10	\$ 9,622.40	\$ 9,708.30	\$ 8,115.51	\$ 10,883.50				
	\$/Annual MMBtu Actual	\$ 13.44	\$ 25.47	\$ 23.11	\$ 32.64	\$ 24.79				



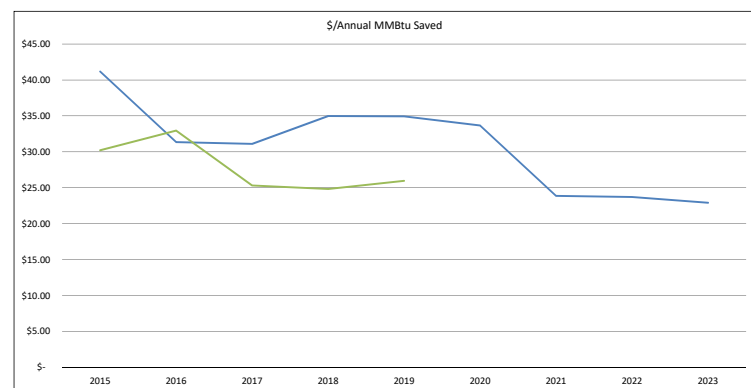
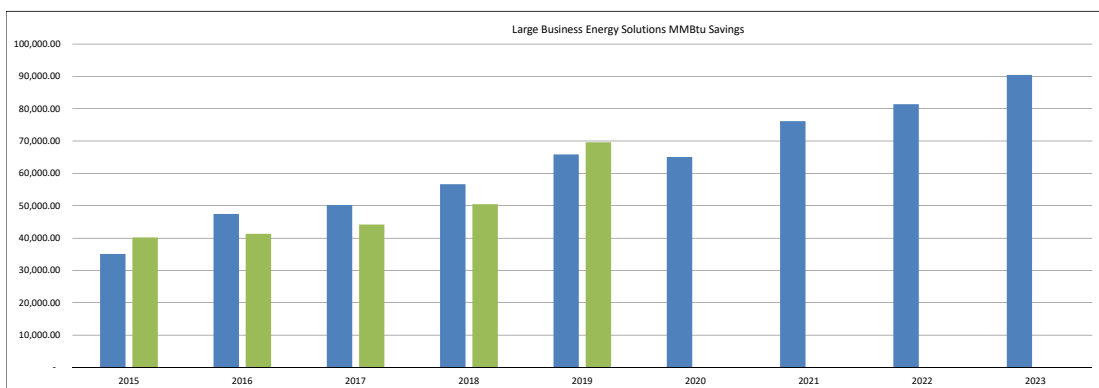
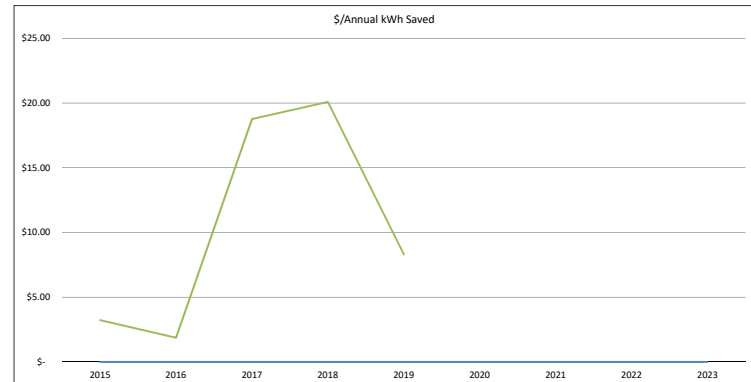
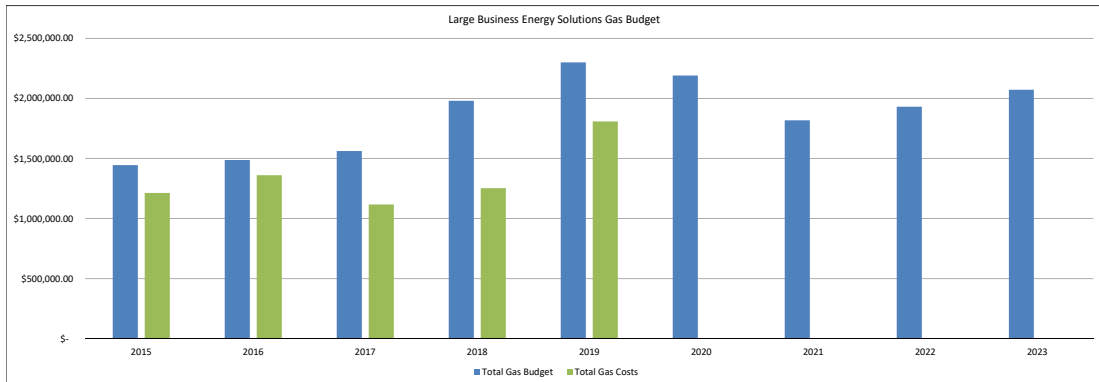
Aerial Infrared Mapping

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	n/a	n/a	n/a	n/a	n/a	n/a	\$ 460,250.00	\$ 271,428.57	\$ 262,884.81
	Annual Electric Savings Plan (kWh)	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-
	\$/Annual kWh Plan	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -
2)	Total Gas Budget	n/a	n/a	n/a	n/a	n/a	n/a	\$ 460,250.00	\$ 271,428.57	\$ 262,884.81
	Total summer peak kW Plan	n/a	n/a	n/a	n/a	n/a	n/a	5.01	-	-
	\$/kW Plan	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -
3)	Total Gas Budget	n/a	n/a	n/a	n/a	n/a	n/a	\$ 460,250.00	\$ 271,428.57	\$ 262,884.81
	Total Annual MMBtu Plan	n/a	n/a	n/a	n/a	n/a	n/a	5,000.00	27,700.00	27,700.00
	\$/Annual MMBtu Plan	n/a	n/a	n/a	n/a	n/a	n/a	\$ 92.05	\$ 9.80	\$ 9.49
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	n/a	n/a	n/a	n/a	n/a				
	Annual Electric Savings Actual (kWh)	n/a	n/a	n/a	n/a	n/a				
	\$/Annual kWh Actual	n/a	n/a	n/a	n/a	n/a				
2)	Total Gas Costs	n/a	n/a	n/a	n/a	n/a				
	Total summer peak kW Actual	n/a	n/a	n/a	n/a	n/a				
	\$/kW Actual	n/a	n/a	n/a	n/a	n/a				
3)	Total Gas Costs	n/a	n/a	n/a	n/a	n/a				
	Total Annual MMBtu Actual	n/a	n/a	n/a	n/a	n/a				
	\$/Annual MMBtu Actual	n/a	n/a	n/a	n/a	n/a				



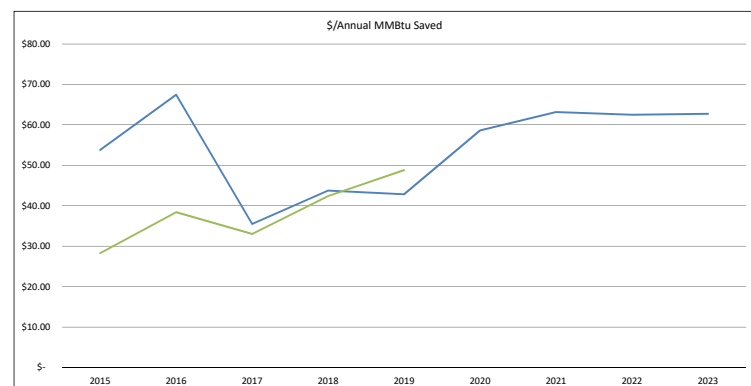
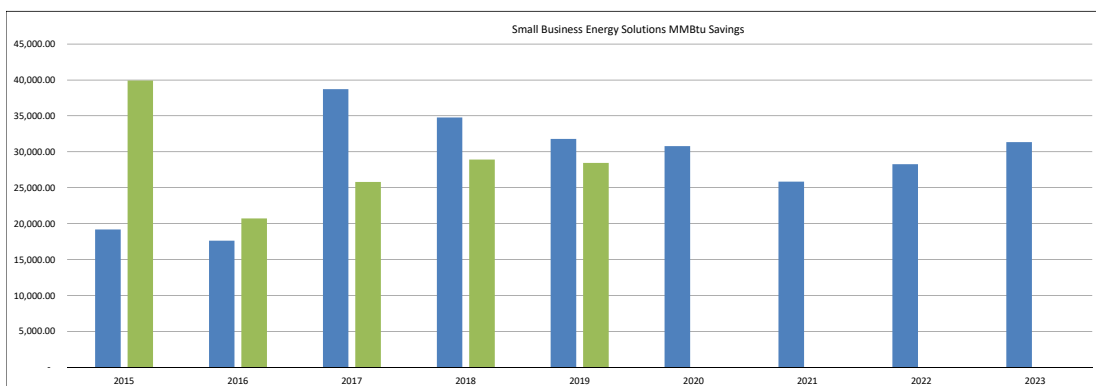
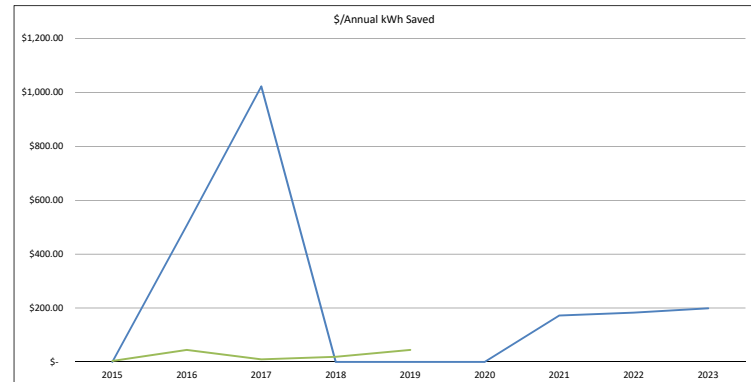
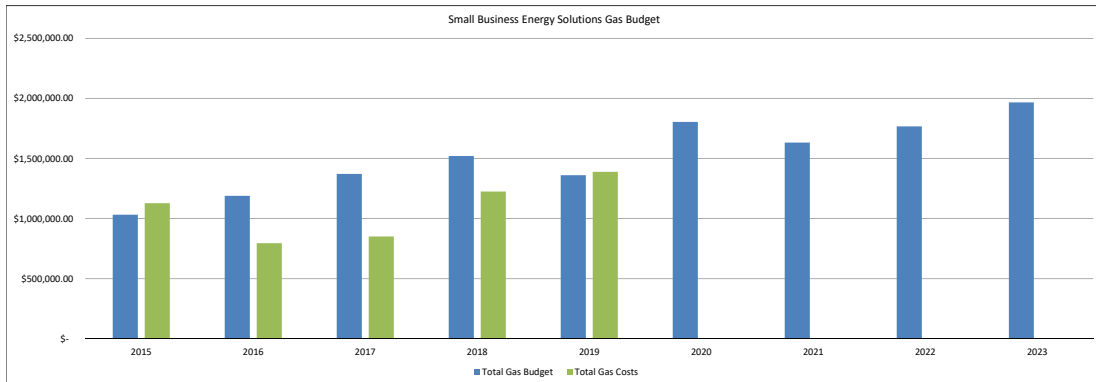
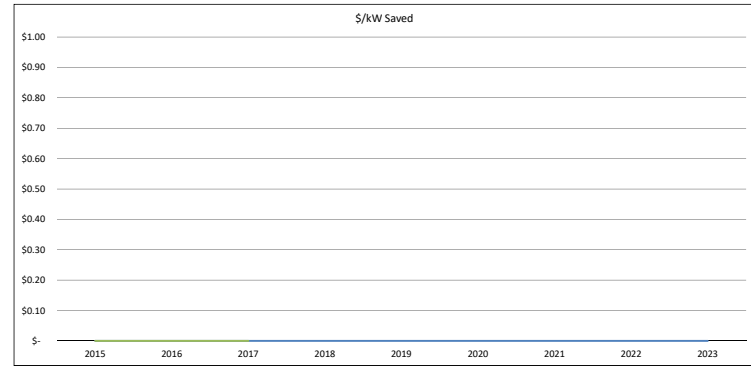
Large Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 1,445,300.00	\$ 1,488,000.00	\$ 1,563,100.00	\$ 1,981,418.00	\$ 2,300,303.00	\$ 2,190,676.00	\$ 1,818,540.00	\$ 1,930,920.10	\$ 2,073,193.60
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$/Annual kWh Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 1,445,300.00	\$ 1,488,000.00	\$ 1,563,100.00	\$ 1,981,418.00	\$ 2,300,303.00	\$ 2,190,676.00	\$ 1,818,540.00	\$ 1,930,920.10	\$ 2,073,193.60
	Total summer peak kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 1,445,300.00	\$ 1,488,000.00	\$ 1,563,100.00	\$ 1,981,418.00	\$ 2,300,303.00	\$ 2,190,676.00	\$ 1,818,540.00	\$ 1,930,920.10	\$ 2,073,193.60
	Total Annual MMBtu Plan	\$ 35,112.28	\$ 47,470.90	\$ 50,253.00	\$ 56,640.57	\$ 65,862.90	\$ 65,052.48	\$ 76,164.60	\$ 81,402.11	\$ 90,438.81
	\$/Annual MMBtu Plan	\$ 41.16	\$ 31.35	\$ 31.10	\$ 34.98	\$ 34.93	\$ 33.68	\$ 23.88	\$ 23.72	\$ 22.92
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 1,213,707.03	\$ 1,362,062.88	\$ 1,118,669.97	\$ 1,253,657.27	\$ 1,808,918.19				
	Annual Electric Savings Actual (kWh)	\$ 376,025.00	\$ 730,766.77	\$ 59,599.14	\$ 62,399.00	\$ 217,971.00				
	\$/Annual kWh Actual	\$ 3.23	\$ 1.86	\$ 18.77	\$ 20.09	\$ 8.30				
2)	Total Gas Costs	\$ 1,213,707.03	\$ 1,362,062.88	\$ 1,118,669.97	\$ 1,253,657.27	\$ 1,808,918.19				
	Total summer peak kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 1,213,707.03	\$ 1,362,062.88	\$ 1,118,669.97	\$ 1,253,657.27	\$ 1,808,918.19				
	Total Annual MMBtu Actual	\$ 40,175.50	\$ 41,329.60	\$ 44,189.10	\$ 50,500.29	\$ 69,643.09				
	\$/Annual MMBtu Actual	\$ 30.21	\$ 32.96	\$ 25.32	\$ 24.82	\$ 25.97				



Small Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 1,032,710.00	\$ 1,190,000.00	\$ 1,373,000.00	\$ 1,521,323.00	\$ 1,361,981.00	\$ 1,805,139.00	\$ 1,633,120.00	\$ 1,768,008.72	\$ 1,967,937.43
	Annual Electric Savings Plan (kWh)	-	2,352.00	1,344.00	-	-	-	9,506.44	9,699.30	9,917.02
	\$/Annual kWh Plan	\$ -	\$ 505.95	\$ 1,021.58	\$ -	\$ -	\$ -	\$ 171.79	\$ 182.28	\$ 198.44
2)	Total Gas Budget	\$ 1,032,710.00	\$ 1,190,000.00	\$ 1,373,000.00	\$ 1,521,323.00	\$ 1,361,981.00	\$ 1,805,139.00	\$ 1,633,120.00	\$ 1,768,008.72	\$ 1,967,937.43
	Total summer peak kW Plan	-	-	-	-	-	-	-	-	-
	\$/kW Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3)	Total Gas Budget	\$ 1,032,710.00	\$ 1,190,000.00	\$ 1,373,000.00	\$ 1,521,323.00	\$ 1,361,981.00	\$ 1,805,139.00	\$ 1,633,120.00	\$ 1,768,008.72	\$ 1,967,937.43
	Total Annual MMBtu Plan	\$ 19,194.68	\$ 17,647.10	\$ 38,717.41	\$ 34,789.57	\$ 31,804.20	\$ 30,789.02	\$ 25,848.88	\$ 28,289.47	\$ 31,363.40
	\$/Annual MMBtu Plan	\$ 53.80	\$ 67.43	\$ 35.46	\$ 43.73	\$ 42.82	\$ 58.63	\$ 63.18	\$ 62.50	\$ 62.75
Home Energy Assistance										
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 1,129,097.52	\$ 795,988.77	\$ 852,560.30	\$ 1,226,552.32	\$ 1,389,859.77				
	Annual Electric Savings Actual (kWh)	316,732.00	17,924.79	90,646.55	66,362.00	31,344.00				
	\$/Annual kWh Actual	\$ 3.56	\$ 44.41	\$ 9.41	\$ 18.48	\$ 44.34				
2)	Total Gas Costs	\$ 1,129,097.52	\$ 795,988.77	\$ 852,560.30	\$ 1,226,552.32	\$ 1,389,859.77				
	Total summer peak kW Actual	-	-	-	-	-				
	\$/kW Actual	\$ -	\$ -	\$ -	\$ -	\$ -				
3)	Total Gas Costs	\$ 1,129,097.52	\$ 795,988.77	\$ 852,560.30	\$ 1,226,552.32	\$ 1,389,859.77				
	Total Annual MMBtu Actual	\$ 39,916.08	\$ 20,731.54	\$ 25,814.51	\$ 28,935.00	\$ 28,467.30				
	\$/Annual MMBtu Actual	\$ 28.29	\$ 38.40	\$ 33.03	\$ 42.39	\$ 48.82				



**STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

Docket No. DG 20-XXX

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities
Winter 2020/2021 Cost of Gas
Summer 2021 Cost of Gas

DIRECT TESTIMONY

OF

DAVID B. SIMEK

AND

CATHERINE A. MCNAMARA

September 1, 2020

1 **I. INTRODUCTION**

2 **Q. Please state your full name and business address.**

3 A. (DS) My name is David B. Simek. My business address is 15 Buttrick Road,
4 Londonderry, New Hampshire.

5 (CM) My name is Catherine A. McNamara. My business address is 15 Buttrick Road,
6 Londonderry, New Hampshire.

7 **Q. Please state by whom you are employed.**

8 A. We are employed by Liberty Utilities Service Corp. (“Liberty”), which provides service
9 to Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities
10 (“EnergyNorth” or “the Company”).

11 **Q. Please describe your educational background and your business and professional
12 experience.**

13 A. (DS) I graduated from Ferris State University in 1993 with a Bachelor of Science in
14 Finance. I received a Master’s of Science in Finance from Walsh College in 2000. I also
15 received a Master’s of Business Administration from Walsh College in 2001. In 2006, I
16 earned a Graduate Certificate in Power Systems Management from Worcester
17 Polytechnic Institute. In August 2013, I joined Liberty as a Utility Analyst and I was
18 promoted to Manager, Rates and Regulatory Affairs in August 2017. Prior to my
19 employment at Liberty, I was employed by NSTAR Electric & Gas (“NSTAR”) as a
20 Senior Analyst in Energy Supply from 2008 to 2012. Prior to my position in Energy

1 Supply at NSTAR, I was a Senior Financial Analyst within the NSTAR Investment
2 Planning group from 2004 to 2008.

3 (CM) I graduated from the University of Massachusetts, Boston, in 1993 with a Bachelor
4 of Science in Management with a concentration in Accounting. In November 2017, I
5 joined Liberty as an Analyst in Rates and Regulatory Affairs. Prior to my employment at
6 Liberty, I was employed by Eversource as a Senior Analyst in the Investment Planning
7 group from 2015 to 2017. From 2008 to 2015, I was a Supervisor in the Plant
8 Accounting department. Prior to my position in Plant Accounting, I was a Financial
9 Analyst/General Ledger System Administrator within the Accounting group from 2000 to
10 2008.

11 **Q. Have you previously testified in regulatory proceedings before the New Hampshire
12 Public Utilities Commission (the “Commission”)?**

13 A. (DS) Yes. I have testified on numerous occasions before the Commission.

14 (CM) Yes. I have testified on multiple occasions before the Commission.

15 **Q. What is the purpose of your testimony?**

16 A. The purpose of our testimony is to explain the Company’s proposed firm sales cost of gas
17 rates for the 2020/2021 Winter (Peak) Period and the Company’s proposed 2020/2021
18 Local Delivery Adjustment Clause, both effective November 1, 2020. Our testimony
19 also explains the Company’s proposed firm sales cost of gas rates for the 2021 Summer
20 (Off-Peak) Period.

1 **II. WINTER 2020/2021 COST OF GAS FACTOR**

2 **Q. What are the proposed firm Winter sales and firm transportation cost of gas rates?**

3 A. The Company proposes a firm sales cost of gas rate of \$0.5571 per therm for residential
4 customers, \$0.5552 per therm for commercial/industrial high winter use customers, and
5 \$0.5660 per therm for commercial/industrial low winter use customers as shown on
6 Proposed Eleventh Revised Page 92 (Bates 047). The Company proposes a firm
7 transportation cost of gas rate of \$0.0001 per therm as shown on Proposed Fourth
8 Revised Page 94 (Bates 049).

9 **Q. Please explain tariff page and Proposed Eleventh Revised Page 92 (Bates 047).**

10 A. Proposed Eleventh Revised Page 92 contains the calculation of the 2020/2021 Winter
11 Period Cost of Gas Rate and summarize the Company's forecast of firm gas costs and
12 firm gas sales. As shown on Page 92, the proposed 2020/2021 Average Cost of Gas of
13 \$0.5571 per therm is derived by adding the Direct Cost of Gas Rate of \$0.5319 per therm
14 to the Indirect Cost of Gas Rate of \$0.0252 per therm. The estimated total Anticipated
15 Direct Cost of Gas, derived on Page 92, is \$46,922,854. The estimated Indirect Cost of
16 Gas, also derived on Page 92, is \$2,220,114. The Direct Cost of Gas Rate of \$0.5319 and
17 the Indirect Cost of Gas Rate of \$0.0252 are determined by dividing each of these total
18 cost figures by the projected winter period firm sales volumes of 88,213,529 therms.

19 To calculate the total Anticipated Direct Cost of Gas, the Company adds a list of
20 allowable adjustments from deferred gas cost accounts to the projected demand and
21 commodity costs for the winter period supply portfolio. These allowable adjustments,
22 shown on Page 92.1, total \$1,012,447. These adjustments are added to the Unadjusted

1 Anticipated Cost of Gas of \$45,910,407 to determine the Total Anticipated Direct Cost of
 2 Gas of \$46,922,854.

3 **Q. What are the components of the Unadjusted Anticipated Cost of Gas?**

4 A. The Unadjusted Anticipated Cost of Gas shown on Proposed Original Page 92.1 consists
 5 of the following components:

6	1.	Purchased Gas Demand Costs	\$12,022,922
7	2.	Purchased Gas Commodity Costs	28,276,980
8	3.	Storage Demand and Capacity Costs	955,766
9	4.	Storage Commodity Costs	3,064,149
10	5.	Produced Gas Cost	<u>1,590,589</u>
11		Total	** <u>\$45,910,406</u>

12 **Slightly off due to rounding

13 **Q. What are the components of the allowable adjustments to the Cost of Gas?**

14 A. The allowable adjustments to gas costs, listed on Proposed Original Page 92.1, are as
 15 follows:

16	1.	Deferred Gas Cost Prior Period Under Collection	\$2,227,421
17	2.	Interest	72,812
18	3.	Fuel Inventory Revenue Requirement	441,037
19	4.	Broker Revenues	(32,725)
20	5.	Transportation COG Revenue	(4,516)
21	6.	Capacity Release Margin	(1,736,581)
22	7.	Fixed Price Administrative Cost	<u>45,000</u>
23		Total Adjustments	** <u>\$1,012,448</u>

24 **Slightly off due to rounding

1 These allowable adjustments are standard adjustments made to the deferred gas cost
2 balance through the operation of the Company's cost of gas adjustment clause. We
3 discuss the factors contributing to the prior period under collection later in this testimony.

4 **Q. How does the proposed average cost of gas rate in this filing compare to the average**
5 **cost of gas rate approved by the Commission in Docket No. DG 19-145 for the**
6 **2019/2020 winter period?**

7 A. The average cost of gas rate proposed in this filing of \$0.5571 per therm is \$0.0632 per
8 therm less than the initial rate of \$0.6203 per therm approved by the Commission in
9 Order No. 26,306 (October 31, 2019) in Docket No. DG 19-145. The \$0.0632 per therm
10 decrease in the rate reflects a \$6,025,265 decrease in the Total Unadjusted Direct Cost of
11 Gas.

12 **Q. How does the proposed firm transportation winter cost of gas rate compare to the**
13 **rate approved by the Commission for the 2019/2020 winter period?**

14 A. The proposed firm transportation winter cost of gas rate is \$0.0001 per therm. The rate
15 approved in Docket No. DG 19-145 was \$0.0009 per therm. The decrease in the rate
16 relates primarily to an estimated \$29,483 decrease in commodity costs and the difference
17 between the winter season 2019/2020 beginning balance of \$29,161 (an over-collection)
18 and the winter season 2020/2021 beginning balance of \$40,053 (an over-collection).

1 **Q. In the calculation of its firm transportation winter cost of gas rate, has the Company**
2 **updated the estimated percentage used for pressure support purposes?**

3 A. No. The Company used, for pressure support purposes, a rate of 8.7% based on the
4 marginal cost study used for the rate design approved in Docket No. DG 17-048.

5 **Q. Did the Company include a fuel inventory revenue requirement calculation in this**
6 **filing?**

7 A. Yes (Bates 198). The Company is proposing to collect \$441,037 in fuel inventory
8 revenue requirement consistent with Order No. 26,156 (July 10, 2018) in Docket No. DG
9 17-048. The impact of this amount to the overall Cost of Gas rate is \$0.0050 per therm
10 which is determined by dividing the \$441,037 by the estimated November 2019 through
11 October 2020 COG sales volumes of 87,788,508 therms.

12 **Q. How was the statutory tax rate of 27.08% calculated (Bates 198)?**

13 A. The statutory rate of 27.08% was calculated by using a 21% federal tax rate and a 7.7%
14 tax rate for the State of New Hampshire ($0.21 + 0.077 - (0.21 \times 0.077) = 0.27083$).

15 **Q. How was the common equity pre-tax rate of 6.280% calculated (Bates 198)?**

16 A. The common equity pre-tax rate of 6.280% was calculated by dividing the 9.30% rate of
17 return on common equity, approved in Docket No. DG 17-048, by 0.72917 ($1 - 0.27083$)
18 [statutory tax rate – see previous question]) and multiplied by 49.20% (equity component
19 of the capital structure approved in DG 17-048) [$0.093 / 0.72917 \times 0.4920 = 0.0628$].

1 **Q. Has the bad debt percentage in this filing of 1.11% changed from the bad debt**
2 **percentage calculated in the Winter 2019/2020 Cost of Gas Reconciliation?**

3 A. No. The bad debt percentage of 1.11% used in this filing is the calculated rate for the
4 period of May 2019–April 2020.

5 **Q. What was the actual weighted average firm sales cost of gas rate for the 2019/2020**
6 **winter period?**

7 A. The weighted average cost of gas rate was \$0.4632 per therm (Bates 085 Line 54). This
8 was calculated by applying the actual monthly cost of gas rates for November 2019
9 through April 2020 to the monthly therm usage of an average residential heating
10 customer using 667 therms for the six winter period months.

11 **III. PRIOR WINTER PERIOD UNDER-COLLECTION**

12 **Q. Please explain the prior period under collection of \$1,863,956.**

13 A. The prior period under-collection is detailed in the 2019/2020 winter period
14 reconciliation that was filed with the Commission on July 31, 2020. The \$1,863,956
15 under-collection is the sum of the deferred gas cost, bad debt, and working capital over-
16 and under-collection balances as of April 30, 2020. The under-collection was driven
17 mainly by the lag in the timing of monthly cost of gas rate adjustments as compared to
18 changes in the underlying costs.

1 **IV. FIXED PRICE OPTION**

2 **Q. Has the Company established a winter period fixed price pursuant to its Fixed Price**
3 **Option Program?**

4 A. Yes. Pursuant to Order No. 24,515 in Docket No. DG 05-127, the Fixed Price Option
5 Program (“FPO”) rates are set at \$0.0200 per therm higher than the initial proposed COG
6 rate. Proposed Third Revised Page 91 (Bates 046) contains the FPO rate for the
7 2020/2021 winter period, which is \$0.5771 per therm for residential customers. This
8 compares to the FPO rate approved for the 2019/2020 winter period of \$0.6403 per therm
9 for residential customers. This represents a \$0.0632 per therm or 9.87% decrease in the
10 residential FPO rate. The total bill impact on the winter period bills for an average FPO
11 heating customer using 667 therms is a decrease of approximately \$34.21 or 3.67%
12 compared to last winter. The total bill impact reflects the overall rates in effect following
13 implementation of the increases approved in Docket No. DG 20-049, effective July 1,
14 2020, relating to the cast iron/bare steel main replacement program. The estimated
15 winter period bill for an average residential heating customer opting for the FPO would
16 be approximately \$13.32 (or 1.51%) higher than the bill under the proposed cost of gas
17 rates, assuming no monthly adjustments to the COG rate during the course of the winter.
18 Schedule 23 (Bates 195) contains the historical results of the FPO program.

19 **V. LOCAL DELIVERY ADJUSTMENT CLAUSE (“LDAC”)**

20 **Q. What are the surcharges that will be billed under the LDAC?**

21 A. As shown on Proposed Third Revised Page 97 (Bates 052), the Company is submitting
22 for approval an LDAC of \$0.0603 per therm for the residential non-heating class and

1 residential heating class, and \$0.0549 per therm for the commercial/industrial bundled
2 sales classes, effective November 1, 2020. The surcharges proposed to be billed under
3 the LDAC are the Energy Efficiency Charge, the Revenue Decoupling Adjustment
4 Factor, the Environmental Surcharge for Manufactured Gas Plant (“MGP”) remediation,
5 the Residential Gas Assistance Program charge, and the rate case expense reconciliation
6 surcharge from Docket No. DG 17-048.

7 **Q. Which customers are billed an LDAC?**

8 A. All EnergyNorth customers including those in Keene are billed an LDAC charge. When
9 calculating the LDAC charge, the November 1, 2020, through October 31, 2021,
10 forecasted Keene therm sales of 1,442,013 are added to the EnergyNorth therm sales
11 forecast of 178,132,666 for a total therm sales forecast of 179,574,679.

12 **Q. Please explain the Energy Efficiency Charge.**

13 A. The Energy Efficiency Charge is designed to recover the projected expenses associated
14 with the Company’s energy efficiency programs for the November 2020–October 2021
15 period that will be filed with the Commission in the near future. In the calculation of the
16 Energy Efficiency Charge, the Company has also included the projected prior period
17 under-recovery of the Company’s residential and commercial energy efficiency programs
18 as of October 2020. As shown on Schedule 19 Energy Efficiency (Bates 124-126), the
19 proposed Energy Efficiency charge is \$0.0831 per therm for Residential customers and
20 \$0.0441 per therm for commercial and industrial customers.

1 **Q. Please explain the Revenue Decoupling Adjustment Factor (“RDAF”).**

2 A. The purpose of the RDAF is to recover or refund, on an annual basis, the difference
3 between the Actual Base Revenue per Customer and the Benchmark Base Revenue per
4 Customer. Schedule 19 RDAF (Bates 109-123) shows the proposed Actual Base
5 Revenue per Customer and the Benchmark Base Revenue per Customer calculation of a
6 total over-collection of \$4,965,947 effective November 1, 2020, through October 31,
7 2021. Schedule 19 RDAF also includes a proposed September 2019 through August
8 2020 reconciliation. The reconciliation is new to this filing and calculates a remaining
9 refund of \$1,010,099 effective November 1, 2020, through October 31, 2021.

10 **Q. What is the proposed Residential Gas Assistance Program charge?**

11 A. As shown on Schedule 19 Gas Assistance (Bates 127-128), the proposed Residential Gas
12 Assistance charge is \$0.0121 per therm. It is designed to recover administrative costs,
13 revenue shortfall, and the prior period reconciliation adjustment relating to this program.
14 For the 2020/2021 winter period, the Company is providing a 45% base rate and cost of
15 gas discount, consistent with the settlement agreement approved by the Commission in
16 Order No. 26,397 (August 27, 2020) in Docket No. DG 20-013. The proposed
17 Residential Gas Assistance charge is designed to recover \$2,165,954, of which
18 \$1,689,200 is for the revenue shortfall resulting from 4,880 customers receiving a 45%
19 discount off their base and cost of gas rates, and \$476,754 for the prior year reconciling
20 adjustment.

21 **Q. In Order No. 24,824 (Feb. 29, 2008) in Docket No. DG 06-122 relating to short-term**
22 **debt issues, the Company agreed to adjust its short-term debt limits each year as**

1 **part of the Company's Winter Period Cost of Gas filing. Did the Company**
2 **calculate the short-term debt limit for fuel and non-fuel purposes in accordance**
3 **with this settlement?**

4 A. Yes, the Company included in Schedule 24 (Bates 196) the short-term debt limit for fuel
5 and non-fuel purposes for the 2020/2021 winter period. As shown, the short-term debt
6 limit for fuel inventory financing for the period November 1, 2020, through October 31,
7 2021, is calculated to be \$14,702,768 and the limit for non-fuel purposes is calculated to
8 be \$105,567,204.

9 **Q. Has the Company updated the Environmental Surcharge (Tariff Page 95)?**

10 A. Yes, it has. The costs submitted for recovery through the MGP remediation cost recovery
11 mechanism, as well as the third party recoveries, are included in the Environmental Cost
12 Summary in Schedule 20 (Bates 130) of this filing. The environmental investigation and
13 remediation costs that underlie these expenses are the result of efforts by the Company to
14 respond to its legal obligations with regard to these sites, as described by Ms. Casey in
15 her pre-filed direct testimony in this proceeding and as set forth in the MGP site
16 summaries included in this filing under Schedule 20. The Summary included in Schedule
17 20 shows the remediation cost pools for the Concord Pond, Concord MGP, Manchester,
18 Nashua, and Laconia sites, and a General Pool for costs that cannot be directly assigned
19 to a specific site.

20 A summary sheet and detailed backup spreadsheets that support the 2019/2020 costs are
21 provided in Schedule 20 of this filing. Ms. Casey's testimony describes the Company's
22 activities with regard to all five sites.

1 **Q. Please describe how the Company calculated the Environmental Surcharge included**
2 **in this filing.**

3 A. The proposed Manufactured Gas Plant Remediation surcharge for the period beginning
4 November 1, 2020, and ending October 31, 2021, is \$0.0197 per therm. Consistent with
5 filings made over the past few years, this surcharge will recover a total of \$2,864,179 in
6 amortized remediation costs. New to this filing are amortized actual to forecast true-up
7 recovery costs through June 2019 of \$341,389 (total amount is \$1,024,167 which is
8 proposed to be amortized over three years). The \$1,024,167 is the recommended amount
9 provided by Audit Staff in the DG 19-145 Final Audit Report dated April 9, 2020. Also,
10 new to this filing are actual to forecast true-up recovery cost for the period July 2019
11 through June 2020 of \$338,564. The costs submitted for recovery are shown in the
12 Environmental Cost Summary included in Schedule 20 of this filing.

13 **Q. Did the Company include a Rate Case Expense (RCE) surcharge in this filing?**

14 A. Yes. As shown on Schedule 19 RCE (Bates 107-108), the Company is proposing to
15 collect \$44,619 in uncollected rate case expense consistent with Order No. 26,122 (April
16 27, 2018) in Docket No. DG 17-048. The RCE rate of \$0.0002 per therm is determined
17 by dividing the \$44,619 by the estimated November 2020 through October 2021 sales
18 volumes of 179,574,679 therms.

1 **Q. Has the Company also updated its Company Allowance percentage for the period**
2 **November 2020 through October 2021 in accordance with Section 8 of the**
3 **Company's Delivery Terms and Condition?**

4 A. Yes, in Schedule 25 (Bates 197) the Company has recalculated its Company Allowance
5 for the period November 2020 through October 2021. The Company calculated the
6 Company Allowance of 1.61% based on sendout and throughput data for the twelve-
7 month period ending June 2020. The Company proposes to apply this recalculated
8 Company Allowance to all supplier deliveries beginning in November 2020.

9 **VI. CUSTOMER BILL IMPACTS**

10 **Q. What are the estimated impacts of the proposed firm sales cost of gas rate and**
11 **proposed LDAC surcharges on an average heating customer's winter bill as**
12 **compared to the winter rates in effect last year?**

13 A. The bill impact analysis is presented in Schedule 8 (Bates 085) of this filing. These bill
14 impacts reflect the implementation of the increases approved in Docket No. DG 20-049
15 effective July 1, 2020, relating to the cast iron/bare steel main replacement program. The
16 total bill impact over the winter period for an average residential heating customer is an
17 increase of approximately \$91.21 or 11.51%. The total bill impact over the winter period
18 for an average commercial/industrial G-41 customer is an increase of approximately
19 \$223.46, or 11.0% (Bates 086). Schedule 8 of this filing provides more detail of the
20 impact of the proposed rate adjustments on heating customers.

1 **VII. OTHER TARIFF CHANGES**

2 **Q. Is the Company updating its Delivery Terms and Conditions in the filing?**

3 A. Yes. The Company is submitting Proposed Third Revised Page 147 (Bates 053) relating
4 to Supplier Balancing and Peaking Demand Charges and Proposed Third Revised Page
5 148 (Bates 054) relating to Capacity Allocation.

6 **Q. Please describe the changes to tariff Page 147.**

7 A. In Proposed Third Revised Page 147, the Company is updating the Peaking Demand
8 Charge from \$18.12 per MMBtu of Peak MDQ to \$17.32 per MMBtu of Peak MDQ.
9 This calculation is also presented in Schedule 21 (Bates 178-188).

10 **Q. Please describe the changes to tariff Page 148.**

11 A. Proposed Second Revised Page 148 updates the Capacity Allocator percentages used to
12 allocate pipeline, storage, and local peaking capacity to high and low load factor
13 customers under the mandatory capacity assignment requirement for firm transportation
14 service. Schedule 22 (Bates 189-194) contains the six-page worksheet that backs up the
15 calculations for the updated allocators.

16 **VIII. SUMMER 2020 COST OF GAS FACTOR**

17 **Q. What are the proposed 2020 summer firm sales cost of gas rates?**

18 A. The Company proposes a firm sales cost of gas rate of \$0.3148 per therm for residential
19 customers, \$0.3109 per therm for commercial/industrial high winter use customers, and
20 \$0.3199 per therm for commercial/industrial low winter use customers as shown on
21 Proposed Eighth Revised Page 89 (Bates 207).

1 **Q. Please explain tariff pages Proposed Third Revised Page 88 and Proposed**
2 **Thirteenth Revised Page 89.**

3 A. Proposed Third Revised Page 88 (Bates 206) and Proposed Thirteenth Revised Page 89
4 (Bates 207) contain the calculation of the 2020 Summer Period Cost of Gas Rate and
5 summarize the Company's forecast of firm gas sales, firm gas sendout, and gas costs. On
6 Proposed Thirteenth Revised Page 89, the 2021 Average Cost of Gas of \$0.3148 per
7 therm is derived by adding the Direct Cost of Gas Rate of \$0.3257 per therm to the
8 Indirect Cost of Gas Rate of (\$0.0109) per therm. The estimated total Anticipated Direct
9 Cost of gas is \$7,386,965 and the estimated Indirect Cost of Gas is (\$246,190). The
10 Direct Cost of Gas Rate and the Indirect Cost of Gas Rates are determined by dividing
11 each of these total cost figures by the projected Summer firm sales volumes of
12 22,681,422 therms. Proposed Thirteenth Revised Page 89 further shows that the
13 Residential Cost of Gas Rate of \$0.3148 per therm is equal to the Average Cost of Gas
14 for all firm sales customers. It also shows the calculation of the Commercial/Industrial
15 High Winter Use Cost of Gas Rate of \$0.3109 per therm and the Commercial/Industrial
16 Low Winter Use Cost of Gas Rate of \$0.3199 per therm.

17 The calculation of the Anticipated Direct Cost of Gas is shown on Proposed Third
18 Revised Page 88. To derive the total Anticipated Direct Cost of Gas of \$7,386,965, the
19 Company starts with the Unadjusted Anticipated Cost of Gas of \$7,284,571 and adds the
20 Net Adjustment totaling \$102,394.

1 **Q. What are the components of the Unadjusted Anticipated Cost of Gas?**

2 A. The Unadjusted Anticipated Cost of Gas consists of the following:

3	1. Purchased Gas Demand Costs	\$2,868,280
4	2. Purchased Gas Supply Costs	4,387,278
5	3. Produced Gas Costs	<u>29,014</u>
6	Total Unadjusted Anticipated Cost of Gas	** <u>\$7,284,572</u>

7 **Slightly off due to rounding

8 **Q. What are the components of the adjustments to the cost of gas?**

9 A. The adjustments to gas costs, listed on proposed Third Revised Page 88, are as follows:

10	1. Prior Period (Over)/Under Collection	\$105,886
11	2. Interest	<u>\$(3,492)</u>
12	Total Adjustments	<u>\$102,394</u>

13 **Q. How does the proposed average Residential Summer cost of gas rate in this filing**
 14 **compare to the initial cost of gas rate approved by the Commission for the 2020**
 15 **Summer Period?**

16 A. The cost of gas rate proposed in this filing is \$0.1372 per therm lower than the initial rate
 17 approved by the Commission for the 2019 Summer Period (\$0.4520 vs. \$0.3148)
 18 (Schedule 8, Bates 229). This decrease is primarily due to a \$1,779,560 lower estimated
 19 under-collection compared to the under-collection from the prior summer period.

20 **Q. Does this conclude your testimony?**

21 A. Yes, it does.

Program Cost-Effectiveness - 2021 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.70	0.83	1.57	921.3	451.9	850.1	542.7	-	-	-	-	-	84	2,442.2	52,284.1
A1 - Energy Star Homes	2.17	1.85	1.82	665.8	569.6	729.0	307.4	93.8	-	-	-	-	100	2,748.5	66,927.5
A2 - Home Performance with Energy	1.29	1.06	1.19	311.8	256.9	348.6	242.3	51.4	2.4	55.4	-	1.3	75	1,407.8	29,706.1
A3 - Energy Star Products	2.19	1.94	1.30	1,067.6	945.1	1,200.2	488.0	436.1	(3.4)	(65.4)	(0.3)	(0.2)	9,593	6,427.0	109,021.0
A4 - Residential Behavior	1.09	1.02	1.30	34.3	31.8	40.8	31.3	-	-	-	-	-	9,100	3,221.6	3,221.6
A6c - Res Education	-	-	-	-	-	-	26.8	-	-	-	-	-	-	-	-
A6e - Res Financing	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-
Sub-Total Residential	1.82	1.37	1.42	3,000.7	2,255.3	3,168.7	1,646.1	581.3	(1.1)	(9.9)	(0.3)	1.1	18,952	16,247.1	261,160.3
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	2.90	2.49	2.11	2,514.8	2,157.1	2,759.7	867.1	437.8	-	-	-	-	84	19,613.2	281,808.3
C2 - Small Business Energy Solutions	2.09	1.74	1.54	1,121.2	934.4	1,225.2	537.5	256.5	0.5	7.5	0.1	0.1	131	8,289.8	121,478.0
C6c - C&I Education	-	-	-	-	-	-	25.6	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.54	2.16	1.88	3,636.0	3,091.5	3,984.9	1,430.2	694.3	0.5	7.5	0.1	0.1	215	27,903.0	403,286.3
Total	2.16	1.74	1.64	6,636.7	5,346.8	7,153.6	3,076.3	1,275.6	(0.6)	(2.5)	(0.2)	1.3	19,167	44,150.1	664,446.5

Notes:

(1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.

(2) Utility and Customer Costs in 2021 Dollars

Annual Savings as a % of 2018 Sales	0.58%	Spending per Customer	Low-Income	\$	428.68
			Residential	\$	43.38
			C&I	\$	203.94

Present Value Benefits - 2021 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)						Non-Resource Benefits (\$000)			Environmental Benefits (\$000)	
				Electric Total Electric Benefit	Gas Benefit			Other Benefit		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits
	Granite State Test	Utility Cost Test	Secondary Granite State Test		Gas Benefit	Gas DRIPE	Total Gas Benefit	Other Fuels	Water Benefit					
Residential Programs														
B1 - Home Energy Assistance	\$ 921	\$ 452	\$ 850	\$ -	\$ 440	\$ 12	\$ 452	\$ 452	\$ 3	\$ 455	\$ 71	\$ 395	\$ 466	\$ -
A1 - Energy Star Homes	\$ 666	\$ 570	\$ 729	\$ -	\$ 556	\$ 14	\$ 570	\$ 570	\$ -	\$ 570	\$ 96	\$ 159	\$ 256	\$ -
A2 - Home Performance with Energy Star	\$ 312	\$ 257	\$ 349	\$ 11	\$ 250	\$ 7	\$ 257	\$ 257	\$ 3	\$ 271	\$ 40	\$ 75	\$ 115	\$ 2
A3 - Energy Star Products	\$ 1,068	\$ 945	\$ 1,200	\$ (5)	\$ 916	\$ 29	\$ 945	\$ 945	\$ -	\$ 940	\$ 128	\$ 263	\$ 391	\$ (3)
A4 - Residential Behavior	\$ 34	\$ 32	\$ 41	\$ -	\$ 30	\$ 2	\$ 32	\$ 32	\$ -	\$ 32	\$ 2	\$ 9	\$ 11	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 3,001	\$ 2,255	\$ 3,169	\$ 6	\$ 2,191	\$ 64	\$ 2,255	\$ 2,255	\$ 6	\$ 2,268	\$ 338	\$ 902	\$ 1,240	\$ (1)
Commercial/Industrial Programs														
C1 - Large Business Energy Solutions	\$ 2,515	\$ 2,157	\$ 2,760	\$ -	\$ 2,075	\$ 82	\$ 2,157	\$ 2,157	\$ 42	\$ 2,199	\$ 316	\$ 561	\$ 877	\$ -
C2 - Small Business Energy Solutions	\$ 1,121	\$ 934	\$ 1,225	\$ 1	\$ 901	\$ 34	\$ 934	\$ 934	\$ 46	\$ 982	\$ 140	\$ 243	\$ 383	\$ 0
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 3,636	\$ 3,092	\$ 3,985	\$ 1	\$ 2,976	\$ 115	\$ 3,092	\$ 3,092	\$ 88	\$ 3,181	\$ 455	\$ 804	\$ 1,260	\$ 0
Total	\$ 6,637	\$ 5,347	\$ 7,154	\$ 7	\$ 5,168	\$ 179	\$ 5,347	\$ 5,347	\$ 94	\$ 5,448	\$ 794	\$ 1,706	\$ 2,499	\$ (0)

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime MMBtu Savings	664,447	431,890		-	2.475%	-	\$ 76,139	\$ 95,174	\$ -	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	44,150	28,698		-	1.100%	-	\$ 33,840	\$ 42,300	\$ -	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 5,448,112			-						Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 3,076,332			-						Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 2,371,781	\$ 1,541,657	\$ -	-	1.925%	-	\$ 59,219	\$ 74,024	\$ -	Line 5 minus line 6
6 Total					5.500%	-	\$ 169,198	\$ 211,498	\$ -	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 6,636,722		Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 169,198	\$ -	from row 6 above
9 Total Utility Costs	\$ 3,076,332	\$ -	from row 4 above
10 Portfolio GST BCR	2.04	-	Row 7 Divided by Rows 8+9

Utility Costs 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.

Program Cost-Effectiveness - 2022 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.64	0.83	1.50	1,154.1	583.8	1,056.6	705.7	-	-	-	-	-	105	3,085.4	66,078.4
A1 - Energy Star Homes	2.33	1.98	1.94	955.3	810.3	1,037.2	410.1	124.9	-	-	-	-	140	3,825.0	93,175.0
A2 - Home Performance with Energy	1.24	1.01	1.15	352.9	287.6	392.5	284.2	56.9	7.0	68.8	3.2	3.5	85	1,552.5	32,524.4
A3 - Energy Star Products	2.35	2.07	1.38	1,328.9	1,168.1	1,484.1	565.5	508.1	(3.9)	(73.5)	(0.4)	(0.2)	11,187	7,829.4	131,753.2
A4 - Residential Behavior	1.44	1.34	1.71	45.1	41.7	53.4	31.2	-	-	-	-	-	9,100	4,177.5	4,177.5
A6c - Res Education	-	-	-	-	-	-	26.9	-	-	-	-	-	-	-	-
A6e - Res Financing	-	-	-	-	-	-	8.0	-	-	-	-	-	-	-	-
Sub-Total Residential	1.89	1.42	1.48	3,836.3	2,891.5	4,023.9	2,031.7	689.9	3.2	(4.7)	2.9	3.3	20,617	20,469.8	327,708.5
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.13	2.66	2.23	4,061.6	3,448.4	4,432.4	1,298.6	685.9	-	-	-	-	167	31,335.6	438,083.7
C2 - Small Business Energy Solutions	2.21	1.83	1.61	1,420.4	1,177.8	1,541.7	644.0	314.9	0.6	9.3	0.1	0.2	160	10,132.3	149,164.2
C6c - C&I Education	-	-	-	-	-	-	29.1	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.78	2.35	2.01	5,482.0	4,626.3	5,974.1	1,971.6	1,000.8	0.6	9.3	0.1	0.2	327	41,467.9	587,248.0
Total	2.33	1.88	1.76	9,318.4	7,517.8	9,997.9	4,003.3	1,690.8	3.8	4.6	3.0	3.5	20,943	61,937.8	914,956.4

Notes:
 (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
 (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Annual Savings as a % of 2018 Sales	0.82%	Spending per Customer	Low-Income	\$	557.44
			Residential	\$	52.14
			C&I	\$	281.13

Present Value Benefits - 2022 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)						Non-Resource Benefits (\$000)			Environmental Benefits (\$000)	
				Electric Total Electric Benefit	Gas Benefit			Non-Electric		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits
	Granite State Test	Utility Cost Test	Secondary Granite State Test		Gas Benefit	Gas DRIPE	Total Gas Benefit	Other Fuels	Water Benefit					
Residential Programs														
B1 - Home Energy Assistance	\$ 1,154	\$ 584	\$ 1,057	\$ -	\$ 568	\$ 16	\$ 584	\$ 584	\$ 3	\$ 587	\$ 97	\$ 469	\$ 567	\$ -
A1 - Energy Star Homes	\$ 955	\$ 810	\$ 1,037	\$ -	\$ 791	\$ 19	\$ 810	\$ 810	\$ -	\$ 810	\$ 145	\$ 227	\$ 372	\$ -
A2 - Home Performance with Energy Star	\$ 353	\$ 288	\$ 392	\$ 14	\$ 280	\$ 8	\$ 288	\$ 288	\$ 4	\$ 305	\$ 48	\$ 84	\$ 132	\$ 3
A3 - Energy Star Products	\$ 1,329	\$ 1,168	\$ 1,484	\$ (6)	\$ 1,132	\$ 36	\$ 1,168	\$ 1,168	\$ -	\$ 1,162	\$ 167	\$ 325	\$ 492	\$ (3)
A4 - Residential Behavior	\$ 45	\$ 42	\$ 53	\$ -	\$ 40	\$ 2	\$ 42	\$ 42	\$ -	\$ 42	\$ 3	\$ 12	\$ 15	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 3,836	\$ 2,892	\$ 4,024	\$ 8	\$ 2,810	\$ 81	\$ 2,892	\$ 2,892	\$ 7	\$ 2,906	\$ 461	\$ 1,118	\$ 1,578	\$ (0)
Commercial/Industrial Programs														
C1 - Large Business Energy Solutions	\$ 4,062	\$ 3,448	\$ 4,432	\$ -	\$ 3,316	\$ 133	\$ 3,448	\$ 3,448	\$ 87	\$ 3,536	\$ 526	\$ 897	\$ 1,422	\$ -
C2 - Small Business Energy Solutions	\$ 1,420	\$ 1,178	\$ 1,542	\$ 1	\$ 1,135	\$ 42	\$ 1,178	\$ 1,178	\$ 56	\$ 1,235	\$ 186	\$ 307	\$ 492	\$ 0
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 5,482	\$ 4,626	\$ 5,974	\$ 1	\$ 4,451	\$ 175	\$ 4,626	\$ 4,626	\$ 143	\$ 4,771	\$ 712	\$ 1,203	\$ 1,915	\$ 0
Total	\$ 9,318	\$ 7,518	\$ 9,998	\$ 9	\$ 7,261	\$ 257	\$ 7,518	\$ 7,518	\$ 150	\$ 7,677	\$ 1,172	\$ 2,321	\$ 3,493	\$ 0

Portfolio Planned Versus Actual Performance - 2022										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime MMBtu Savings	914,956	594,722		-	2.475%	-	\$ 99,083	\$ 123,853	\$ -	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	61,938	40,260		-	1.100%	-	\$ 44,037	\$ 55,046	\$ -	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 7,676,935			-						Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 4,003,345			-						Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 3,673,590	\$ 2,387,833	\$ -	-	1.925%	-	\$ 77,064	\$ 96,330	\$ -	Line 5 minus line 6
6 Total					5.500%	-	\$ 220,184	\$ 275,230	\$ -	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 9,318,374		Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 220,184	\$ -	from row 6 above
9 Total Utility Costs	\$ 4,003,345	\$ -	from row 4 above
10 Portfolio GST BCR	2.21	-	Row 7 Divided by Rows 8+9

Costs, Benefits and PI Expressed in 2021 dollars. Nominal PI (2022\$) is \$227,339.95.

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.

Program Cost-Effectiveness - 2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.71	0.87	1.55	1,471.5	752.3	1,339.7	862.6	-	1.2	22.0	0.4	-	130	3,889.9	83,213.0
A1 - Energy Star Homes	2.70	2.28	2.27	1,389.6	1,169.9	1,497.4	514.1	144.4	-	-	-	-	180	5,524.4	131,913.3
A2 - Home Performance with Energy	1.28	1.04	0.81	393.3	319.1	433.3	306.7	230.2	2.8	64.4	-	1.5	104	1,693.7	35,275.5
A3 - Energy Star Products	2.38	2.08	1.49	1,593.4	1,390.2	1,766.9	668.2	519.9	(4.3)	(81.7)	(0.4)	(0.2)	11,453	9,146.2	153,257.7
A4 - Residential Behavior	2.30	2.12	2.71	71.8	66.1	84.7	31.2	-	-	-	-	-	9,100	6,500.0	6,500.0
A6c - Res Education	-	-	-	-	-	-	18.6	-	-	-	-	-	-	-	-
A6e - Res Financing	-	-	-	-	-	-	8.0	-	-	-	-	-	-	-	-
Sub-Total Residential	2.04	1.53	1.55	4,919.5	3,697.6	5,122.0	2,409.4	894.6	(0.3)	4.7	(0.0)	1.3	20,967	26,754.2	410,159.5
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.19	2.70	2.53	5,779.7	4,891.9	6,265.9	1,810.8	669.1	-	-	-	-	200	43,109.6	603,542.6
C2 - Small Business Energy Solutions	1.82	1.51	1.78	1,798.1	1,484.6	1,936.0	986.4	101.3	-	-	-	-	189	12,450.3	183,538.8
C6c - C&I Education	-	-	-	-	-	-	30.5	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.68	2.26	2.28	7,577.9	6,376.5	8,201.9	2,827.7	770.4	-	-	-	-	389	55,559.9	787,081.4
Total	2.39	1.92	1.93	12,497.4	10,074.1	13,323.9	5,237.1	1,665.0	(0.3)	4.7	(0.0)	1.3	21,356	82,314.1	1,197,240.9

Notes:
 (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
 (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Annual Savings as a % of 2018 Sales	1.09%	Spending per Customer	Low-Income	\$	681.35
			Residential	\$	60.82
			C&I	\$	403.21

Present Value Benefits - 2023 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)						Non-Resource Benefits (\$000)			Environmental Benefits (\$000)	
				Electric Total Electric Benefit	Gas Benefit			Non-Electric		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits
	Granite State Test	Utility Cost Test	Secondary Granite State Test		Gas Benefit	Gas DRIPE	Total Gas Benefit	Other Fuels	Water Benefit					
Residential Programs														
B1 - Home Energy Assistance	\$ 1,471	\$ 752	\$ 1,340	\$ 2	\$ 732	\$ 20	\$ 752	\$ 752	\$ 4	\$ 758	\$ 133	\$ 581	\$ 714	\$ 1
A1 - Energy Star Homes	\$ 1,390	\$ 1,170	\$ 1,497	\$ -	\$ 1,142	\$ 28	\$ 1,170	\$ 1,170	\$ -	\$ 1,170	\$ 220	\$ 328	\$ 547	\$ -
A2 - Home Performance with Energy Star	\$ 393	\$ 319	\$ 433	\$ 14	\$ 310	\$ 9	\$ 319	\$ 319	\$ 4	\$ 338	\$ 56	\$ 93	\$ 149	\$ 2
A3 - Energy Star Products	\$ 1,593	\$ 1,390	\$ 1,767	\$ (7)	\$ 1,347	\$ 43	\$ 1,390	\$ 1,390	\$ -	\$ 1,383	\$ 210	\$ 387	\$ 598	\$ (3)
A4 - Residential Behavior	\$ 72	\$ 66	\$ 85	\$ -	\$ 63	\$ 3	\$ 66	\$ 66	\$ -	\$ 66	\$ 6	\$ 19	\$ 24	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 4,920	\$ 3,698	\$ 5,122	\$ 9	\$ 3,594	\$ 104	\$ 3,698	\$ 3,698	\$ 8	\$ 3,714	\$ 624	\$ 1,408	\$ 2,032	\$ 0
Commercial/Industrial Programs														
C1 - Large Business Energy Solutions	\$ 5,780	\$ 4,892	\$ 6,266	\$ -	\$ 4,702	\$ 190	\$ 4,892	\$ 4,892	\$ 102	\$ 4,994	\$ 786	\$ 1,272	\$ 2,058	\$ -
C2 - Small Business Energy Solutions	\$ 1,798	\$ 1,485	\$ 1,936	\$ -	\$ 1,432	\$ 53	\$ 1,485	\$ 1,485	\$ 65	\$ 1,550	\$ 248	\$ 386	\$ 634	\$ -
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 7,578	\$ 6,377	\$ 8,202	\$ -	\$ 6,134	\$ 243	\$ 6,377	\$ 6,377	\$ 167	\$ 6,544	\$ 1,034	\$ 1,658	\$ 2,692	\$ -
Total	\$ 12,497	\$ 10,074	\$ 13,324	\$ 9	\$ 9,728	\$ 346	\$ 10,074	\$ 10,074	\$ 175	\$ 10,258	\$ 1,658	\$ 3,066	\$ 4,724	\$ 0

Portfolio Planned Versus Actual Performance - 2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime MMBtu Savings	1,197,241	778,207		-	2.475%	-	\$ 129,617	\$ 162,022	\$ -	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	82,314	53,504		-	1.100%	-	\$ 57,608	\$ 72,010	\$ -	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 10,258,176			-						Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 5,237,061			-						Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 5,021,115	\$ 3,263,725	\$ -	-	1.925%	-	\$ 100,813	\$ 126,017	\$ -	Line 5 minus line 6
6 Total					5.500%	-	\$ 288,038	\$ 360,048	\$ -	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 12,497,391		Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 288,038	\$ -	from row 8 above
9 Total Utility Costs	\$ 5,237,061	\$ -	from row 6 above
10 Portfolio GST BCR	2.26	-	Row 7 Divided by Rows 8+9

Costs, Benefits and PI Expressed in 2021 dollars. Nominal PI (2023\$) is \$307,065.08.

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.

Program Cost-Effectiveness - 2021-2023 PLAN

	Benefit/Cost Ratios			Benefits (\$000)			Utility Costs (\$000 - 2021\$) ²	Customer Costs (\$000 - 2021\$) ²	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Granite State Test	Utility Cost Test	Secondary Granite State Test ¹									
Residential Programs															
B1 - Home Energy Assistance	1.68	0.85	1.54	3,546.9	1,788.0	3,246.4	2,111.005	-	1.2	22.0	0.4	-	319	9,417.5	201,575.5
A1 - Energy Star Homes	2.44	2.07	2.05	3,010.6	2,549.8	3,263.7	1,231.678	363.1	-	-	-	-	420	12,097.9	292,015.8
A2 - Home Performance with Energy	1.27	1.04	1.00	1,058.1	863.5	1,174.4	833.290	338.6	12.2	188.6	3.2	6.3	264	4,654.0	97,506.0
A3 - Energy Star Products	2.32	2.03	1.40	3,989.8	3,503.4	4,451.3	1,721.646	1,464.1	(11.6)	(220.6)	(1.1)	(0.6)	32,232	23,402.7	394,031.8
A4 - Residential Behavior	1.61	1.49	1.91	151.154	139.7	178.8	93.771	-	-	-	-	-	9,100	13,899.1	13,899.1
A6c - Res Education	-	-	-	-	-	-	72.298	-	-	-	-	-	-	-	-
Sub-Total Residential	1.93	1.45	1.49	11,756.6	8,844.4	12,314.5	6,087.199	2,165.8	1.8	(10.0)	2.5	5.8	42,335	63,471.2	999,028.2
Commercial, Industrial & Municipal															
C1 - Large Business Energy Solutions	3.11	2.64	2.33	12,356.2	10,497.4	13,458.0	3,976.533	1,792.9	-	-	-	-	451	94,058.4	1,323,434.6
C2 - Small Business Energy Solutions	2.00	1.66	1.66	4,339.7	3,596.9	4,702.8	2,167.914	672.7	1.1	16.8	0.2	0.3	480	30,872.4	454,181.0
C6c - C&I Education	-	-	-	-	-	-	85.092	-	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.68	2.26	2.09	16,695.9	14,094.3	18,160.8	6,229.539	2,465.6	1.1	16.8	0.2	0.3	931	124,930.8	1,777,615.6
Total	2.31	1.86	1.80	28,452.5	22,938.7	30,475.4	12,316.738	4,631.4	2.9	6.8	2.7	6.0	43,266	188,402.0	2,776,643.9

Notes:

- (1) For the Secondary Granite State Test a 10% NEI adder is applied to total benefits excluding water.
- (2) Utility and Customer Costs in 2021 Dollars and will not equal the nominal costs presented in the Costs and Performance Incentive tabs.

Cumulative Savings as a % of 2019 Sales	2.49%	Spending per Customer	Low-Income	\$	1,667.46
			Residential	\$	156.34
			C&I	\$	888.28

Present Value Benefits - 2021-2023 PLAN

	Total Benefits (\$000)			Resource Benefits (\$000)						Non-Resource Benefits (\$000)			Environmental Benefits (\$000)	
				Electric	Gas Benefit			Non-Electric		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits		Total Non-Resource Benefits
	Granite State Test	Utility Cost Test	Secondary Granite State Test	Total Electric Benefit	Gas Benefit	Gas DRIPE	Total Gas Benefit	Other Fuels	Water Benefit					
Residential Programs														
B1 - Home Energy Assistance	\$ 3,547	\$ 1,788	\$ 3,246	\$ 2	\$ 1,740	\$ 48	\$ 1,788	\$ 1,788	\$ 10	\$ 1,800	\$ 301	\$ 1,446	\$ 1,747	\$ 1
A1 - Energy Star Homes	\$ 3,011	\$ 2,550	\$ 3,264	\$ -	\$ 2,489	\$ 61	\$ 2,550	\$ 2,550	\$ -	\$ 2,550	\$ 461	\$ 714	\$ 1,175	\$ -
A2 - Home Performance with Energy Star	\$ 1,058	\$ 864	\$ 1,174	\$ 40	\$ 840	\$ 24	\$ 864	\$ 864	\$ 11	\$ 914	\$ 144	\$ 253	\$ 397	\$ 7
A3 - Energy Star Products	\$ 3,990	\$ 3,503	\$ 4,451	\$ (19)	\$ 3,394	\$ 109	\$ 3,503	\$ 3,503	\$ -	\$ 3,485	\$ 505	\$ 976	\$ 1,481	\$ (9)
A4 - Residential Behavior	\$ 151	\$ 140	\$ 179	\$ -	\$ 133	\$ 7	\$ 140	\$ 140	\$ -	\$ 140	\$ 11	\$ 39	\$ 51	\$ -
A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 11,757	\$ 8,844	\$ 12,315	\$ 23	\$ 8,595	\$ 249	\$ 8,844	\$ 8,844	\$ 21	\$ 8,888	\$ 1,423	\$ 3,427	\$ 4,850	\$ (1)
Commercial/Industrial Programs														
C1 - Large Business Energy Solutions	\$ 12,356	\$ 10,497	\$ 13,458	\$ -	\$ 10,093	\$ 404	\$ 10,497	\$ 10,497	\$ 231	\$ 10,729	\$ 1,627	\$ 2,729	\$ 4,357	\$ -
C2 - Small Business Energy Solutions	\$ 4,340	\$ 3,597	\$ 4,703	\$ 2	\$ 3,468	\$ 129	\$ 3,597	\$ 3,597	\$ 167	\$ 3,766	\$ 573	\$ 936	\$ 1,509	\$ 1
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 16,696	\$ 14,094	\$ 18,161	\$ 2	\$ 13,561	\$ 533	\$ 14,094	\$ 14,094	\$ 398	\$ 14,495	\$ 2,201	\$ 3,665	\$ 5,866	\$ 1
Total	\$ 28,452	\$ 22,939	\$ 30,475	\$ 25	\$ 22,157	\$ 782	\$ 22,939	\$ 22,939	\$ 420	\$ 23,383	\$ 3,624	\$ 7,092	\$ 10,716	\$ (0)

Portfolio Planned Versus Actual Performance - 2021-2023										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime MMBtu Savings	2,776,644	1,804,819		-	2.475%	-	\$ 304,839	\$ 381,049	\$ -	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	188,402	122,461		-	1.100%	-	\$ 135,484	\$ 169,355	\$ -	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 23,383,223			-						Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 12,316,738			-						Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 11,066,485	\$ 7,193,215	\$ -	-	1.925%	-	\$ 237,097	\$ 296,371	\$ -	Line 5 minus line 6
6 Total					5.500%	-	\$ 677,421	\$ 846,776	\$ -	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 28,452,488		Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 677,421	\$ -	from row 8 above
9 Total Utility Costs	\$ 12,316,738	\$ -	from row 6 above
10 Portfolio GST BCR	2.19	-	Row 7 Divided by Rows 8+9

Costs, Benefits and PI Expressed in 2021 dollars. Nominal PI is \$703,603.28.

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.

Program Summary - 2021 - 2023 PLAN

Home Energy Assistance			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
B1a - HEA (Weatherization)	Air Sealing, Gas	G21B1a001	67	84	104	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%	610	764	946	9,146	11,466	14,196
B1a - HEA (Weatherization)	Faucet Aerator, Gas	G21B1a002	100	110	115	7	7	7	100%	100%	100%	100%	100%	100%	91%	91%	91%	14	16	16	99	109	114
B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	G21B1a003	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	Insulation, Gas	G21B1a004	67	84	104	25	25	25	100%	100%	100%	100%	100%	100%	91%	91%	91%	1,524	1,911	2,366	38,106	47,775	59,150
B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	G21B1a005	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Linear	G21B1a006	-	-	-	10	10	10	100%	100%	100%	98%	98%	98%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Other Specialty	G21B1a007	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Bulb, Reflector	G21B1a008	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	LED Fixture	G21B1a009	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	G21B1a010	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	G21B1a011	34	40	45	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%	93	109	123	1,392	1,638	1,843
B1a - HEA (Weatherization)	Visual Audit	G21B1a012	-	-	-	1	1	1	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - SF	G21B1a013	50	60	70	1	1	1	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-
B1a - HEA (Weatherization)	Baseload Audit - MF	G21B1a014	-	-	-	1	1	1	100%	100%	100%	100%	100%	100%	91%	91%	91%	-	-	-	-	-	-
B1b - HEA (HVAC Systems)	Boiler Replacement, Gas	G21B1b001	4	6	10	20	20	20	100%	100%	100%	100%	100%	100%	91%	91%	91%	71	106	177	1,412	2,118	3,531
B1b - HEA (HVAC Systems)	Furnace Replacement, Gas	G21B1b002	3	5	8	18	18	18	100%	100%	100%	100%	100%	100%	91%	91%	91%	57	94	151	1,017	1,695	2,713
B1b - HEA (HVAC Systems)	Programmable Thermostat, Gas	G21B1b003	4	5	6	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%	24	30	36	360	450	541
B1b - HEA (HVAC Systems)	Wifi Thermostat, Gas	G21B1b004	10	11	15	15	15	15	100%	100%	100%	100%	100%	100%	91%	91%	91%	50	55	75	751	826	1,126
Home Energy Assistance Subtotal			2,442	3,085	3,890	52,284	66,078	83,213															

Energy Star Homes			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A1a - ES Homes	Cooling, Electric, SF	G21A1a001	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, SF	G21A1a002	35	40	50	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	945	1,080	1,350	23,625	27,000	33,750
A1a - ES Homes	Hot Water, Gas, SF	G21A1a003	18	20	25	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	63	70	88	945	1,050	1,313
A1a - ES Homes	Cooling, Electric, MF	G21A1a002	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	Heating, Gas, MF	G21A1a005	65	100	130	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,625	2,500	3,250	40,625	62,500	81,250
A1a - ES Homes	Hot Water, Gas, MF	G21A1a006	33	50	65	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	116	175	228	1,733	2,625	3,413
A1a - ES Homes	LED Bulb	G21A1a007	-	-	-	5	5	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	LED Fixture	G21A1a008	-	-	-	5	5	5	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	Clothes Washer	G21A1a009	-	-	-	14	14	14	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A1a - ES Homes	Residential New Construction Code Compliant	G21A1a010	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	35%	100%	35%	-	-	609	-	-	12,188
Energy Star Homes Subtotal																		2,749	3,825	5,524	66,928	93,175	131,913

Home Performance with Energy Star			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A2a - HPwES (Weatherization)	Air Sealing, Gas	G21A2a001	40	45	50	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	317	356	396	4,752	5,346	5,940
A2a - HPwES (Weatherization)	Faucet Aerator, Gas	G21A2a002	100	100	120	7	7	7	100%	100%	100%	99%	99%	99%	100%	104%	100%	15	16	19	108	112	130
A2a - HPwES (Weatherization)	Hand Held Showerhead, Gas	G21A2a003	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	104%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	Insulation, Gas	G21A2a004	40	43	46	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	871	937	1,002	21,780	23,414	25,047
A2a - HPwES (Weatherization)	LED Bulb, General Service Lamps	G21A2a005	-	129	-	2	2	2	100%	100%	100%	98%	98%	98%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	LED Bulb, Linear	G21A2a006	-	-	-	10	10	10	100%	100%	100%	98%	98%	98%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	LED Bulb, Other Specialty	G21A2a007	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	LED Bulb, Reflector	G21A2a008	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	LED Fixture	G21A2a009	-	-	-	2	2	2	100%	100%	100%	98%	98%	98%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	Low Flow Showerhead, Gas	G21A2a010	-	-	-	7	7	7	100%	100%	100%	99%	99%	99%	100%	104%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	Pipe Insulation - Hot Water, Gas	G21A2a011	20	23	25	15	15	15	100%	100%	100%	99%	99%	99%	100%	104%	100%	59	69	74	891	1,042	1,114
A2a - HPwES (Weatherization)	Baseload Audit - Electric Savings	G21A2a012	-	-	-	1	1	1	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	Baseload Audit - Thermal Savings	G21A2a013	-	-	-	1	1	1	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)	Visual Audit	G21A2a014	35	40	54	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2a - HPwES (Weatherization)			-	-	-	-	-	-	100%	0%	100%	99%	0%	99%	100%	0%	100%	-	-	-	-	-	-
A2b - HPwES (HVAC Systems)	Boiler Replacement, Gas	G21A2b001	-	-	-	25	25	25	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2b - HPwES (HVAC Systems)	Furnace Replacement, Gas	G21A2b002	-	-	-	20	20	20	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2b - HPwES (HVAC Systems)	Programmable Thermostat, Gas	G21A2b003	-	-	-	15	15	15	100%	100%	100%	99%	99%	99%	100%	100%	100%	-	-	-	-	-	-
A2b - HPwES (HVAC Systems)	Wifi Thermostat, Gas	G21A2b004	25	30	35	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	145	174	203	2,175	2,610	3,045
Home Performance with Energy Star Subtotal																		1,408	1,552	1,694	29,706	32,524	35,275

Energy Start Appliances			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A3b - ES Appliances	Early Replacement Boiler, FHW - EE 90	G21A3b001	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Early Replacement Boiler, FHW - Retirement	G21A3b002	-	-	-	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Early Replacement Boiler, Steam - EE: 82	G21A3b003	-	-	-	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Early Replacement Boiler, Steam - Retirement	G21A3b004	-	-	-	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Boiler Reset Controls	G21A3b005	4	6	10	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	20	31	51	306	459	765
A3b - ES Appliances	Condensing Boiler >= 90% AFUE (Up to 3	G21A3b006	15	18	20	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	182	218	242	3,267	3,920	4,356
A3b - ES Appliances	Condensing Boiler >= 95% AFUE (Up to 3	G21A3b007	65	75	80	19	19	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	962	1,110	1,184	18,278	21,090	22,496
A3b - ES Appliances	Furnace 95+ AFUE (<150) w/ECM Motor	G21A3b008	60	77	85	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	588	755	830	9,996	12,828	14,111
A3b - ES Appliances	Furnace 97+ AFUE (<150) w/ECM Motor	G21A3b009	50	20	22	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	515	204	224	8,755	3,467	3,814
A3b - ES Appliances	Heat Recovery Ventilator (~133 kWh pena	G21A3b010	7	8	8	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	54	59	65	1,078	1,186	1,304
A3b - ES Appliances	Programmable Thermostat	G21A3b011	50	80	100	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	175	280	350	2,625	4,200	5,250
A3b - ES Appliances	Indirect Water Heater (attached to ES FH	G21A3b012	15	22	24	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	60	88	97	1,200	1,760	1,936
A3b - ES Appliances	Integrated Water Heater w/Condensing B	G21A3b013	5	6	6	19	19	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	42	46	51	798	878	966
A3b - ES Appliances	Integrated Water Heater w/Condensing B	G21A3b014	80	100	120	19	19	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	880	1,100	1,320	16,720	20,900	25,080
A3b - ES Appliances	Condensing Water Heater (EF 0.95)	G21A3b015	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Stand Alone Storage Tank Water Heater	G21A3b016	-	-	-	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Tankless On-Demand Water Heater, >=	G21A3b017	-	-	-	19	19	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
A3b - ES Appliances	Tankless On-Demand Water Heater, >=	G21A3b018	80	90	100	19	19	19	100%	100%	100%	100%	100%	100%	100%	100%	100%	440	495	550	8,360	9,405	10,450
A3b - ES Appliances	WiFi Thermostat (Heating Only)	G21A3b019	510	700	850	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	2,509	3,444	4,182	37,638	51,660	62,730
A3b - ES Appliances	WiFi Thermostat (Heating & Cooling)	G21A3b020	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
Energy Star Appliances Subtotal																		6,427	7,829	9,146	109,021	131,753	153,258

Home Energy Reports			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
A4a - Residential Behavior	Home Energy Reports	G21A4a001	9,100	9,100	9,100	1	1	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	3,222	4,178	6,500	3,222	4,178	6,500
		Home Energy Reports Subtotal																3,222	4,178	6,500	3,222	4,178	6,500

Large Commercial and Industrial			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C1a - LCI Retrofit	Custom Large Hot Water Retro	G21C1a001	4	5	6	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,600	1,900	2,208	16,000	19,000	22,080
C1a - LCI Retrofit	Custom Large HVAC Retro	G21C1a002	4	6	8	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	2,667	3,800	4,907	53,333	76,000	98,133
C1a - LCI Retrofit	Custom Large Other Retro	G21C1a003	6	10	17	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	5,373	8,507	14,006	69,851	110,597	182,078
C1a - LCI Retrofit	Custom Large Process Retro	G21C1a004	3	4	6	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,800	2,280	3,312	23,400	29,640	43,056
C1a - LCI Retrofit	Faucet Aerator, Gas	G21C1a005	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Low Flow Showerhead With Thermostatic	G21C1a006	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Low Flow Showerhead, Gas	G21C1a007	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C1a008	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Pre Rinse Spray Valve, Gas	G21C1a009	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Boiler Reset Controls, Gas	G21C1a010	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Boiler Tune-Ups	G21C1a011	-	-	-	1	1	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Energy Management System, Gas	G21C1a012	-	1	2	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	750	1,500	-	11,250	22,500
C1a - LCI Retrofit	Pipe Insulation - Heating, Gas	G21C1a013	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	Steam Trap, Gas	G21C1a014	30	35	45	6	6	6	100%	100%	100%	100%	100%	100%	100%	100%	100%	366	427	549	2,196	2,562	3,294
C1a - LCI Retrofit	Programmable Thermostat, Gas	G21C1a015	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1a - LCI Retrofit	WiFi Thermostat (Heating & Cooling)	G21C1a016	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Custom Large Hot Water New	G21C1b001	1	4	5	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	600	2,280	2,760	6,000	22,800	27,600
C1b - LCI New Equipment and Cons	Custom Large HVAC New	G21C1b002	2	3	4	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,200	1,710	2,208	21,600	30,780	39,744
C1b - LCI New Equipment and Cons	Custom Large Other New	G21C1b003	2	4	5	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,200	2,280	2,760	15,600	29,640	35,880
C1b - LCI New Equipment and Cons	Custom Large Process New	G21C1b004	-	-	-	13	13	13	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Boiler 1701 to 2000 MBH 90 AFUE, Gas	G21C1b005	1	1	2	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	165	165	331	4,133	4,133	8,265
C1b - LCI New Equipment and Cons	Boiler 1000 to 1700 MBH 90 AFUE, Gas	G21C1b006	2	2	2	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	189	208	229	4,725	5,198	5,717
C1b - LCI New Equipment and Cons	Boiler 500 to 999 MBH 90 AFUE, Gas	G21C1b007	4	4	6	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	206	226	308	5,140	5,654	7,710
C1b - LCI New Equipment and Cons	Boiler 301 to 499 MBH 90 AFUE, Gas	G21C1b008	8	8	10	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	224	224	280	5,600	5,600	7,000
C1b - LCI New Equipment and Cons	Boiler to 300 MBH 90 AFUE, Gas	G21C1b009	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Boiler to 300 MBH 95 AFUE, Gas	G21C1b010	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Combo Condensing Boiler / Water Heater	G21C1b011	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Combo Furnace / Water Heater, Gas	G21C1b012	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Condensing Unit Heater, Gas	G21C1b013	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Furnace w/ ECM 95 AFUE, Gas	G21C1b014	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Furnace w/ ECM 97 AFUE, Gas	G21C1b015	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Infrared Heater, Gas	G21C1b016	8	9	10	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	96	106	116	1,632	1,795	1,975
C1b - LCI New Equipment and Cons	Faucet Aerator, Gas	G21C1b017	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Low Flow Showerhead With Thermostatic	G21C1b018	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Low Flow Showerhead, Gas	G21C1b019	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Pre Rinse Spray Valve, Gas	G21C1b020	-	55	61	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	627	690	-	5,016	5,518
C1b - LCI New Equipment and Cons	Combination Oven, Gas	G21C1b021	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Convection Oven, Gas	G21C1b022	2	2	1	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	68	68	34	811	811	406
C1b - LCI New Equipment and Cons	Conveyor Oven, Gas	G21C1b023	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Fryer, Gas	G21C1b024	4	4	4	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	313	313	313	3,758	3,758	3,758
C1b - LCI New Equipment and Cons	Griddle, Gas	G21C1b025	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Rack Oven, Gas	G21C1b026	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	Steam Cooker, Gas	G21C1b027	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1b - LCI New Equipment and Cons	C&I Large New Construction Code Compl	G21C1b028	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	42	-	-	839
C1c - LCI Midstream	Midstream Water Heater, Condensing Ga	G21C1c012	6	-	10	20	-	20	60%	0%	60%	100%	0%	100%	100%	0%	100%	108	-	181	2,167	-	3,612
C1c - LCI Midstream	Midstream Combination Oven, Gas	G21C1c001	8	12	14	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	747	1,121	1,307	8,964	13,447	15,688
C1c - LCI Midstream	Midstream Convection Oven, Gas	G21C1c002	6	9	10	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	169	253	282	2,027	3,041	3,379
C1c - LCI Midstream	Midstream Conveyor Oven, Gas	G21C1c003	-	-	2	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	257	-	-	3,085
C1c - LCI Midstream	Midstream Fryer, Gas	G21C1c004	18	20	22	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	1,174	1,304	1,435	14,088	15,654	17,219
C1c - LCI Midstream	Midstream Griddle, Gas	G21C1c005	-	2	2	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	63	63	-	758	758
C1c - LCI Midstream	Midstream Pre-Rinse Spray Valve, Gas	G21C1c006	-	-	-	8	8	8	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Rack Oven, Gas	G21C1c007	-	1	2	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	176	352	-	2,112	4,224
C1c - LCI Midstream	Midstream Steam Cooker, Gas	G21C1c008	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C1c - LCI Midstream	Midstream Indirect Water Heater, Gas	G21C1c009	6	9	10	15	15	15	89%	89%	89%	100%	100%	100%	100%	100%	100%	102	149	164	1,529	2,242	2,466
C1c - LCI Midstream	Midstream On Demand Tankless Water H	G21C1c010	14	16	18	20	20	20	89%														

Small Commercial and Industrial			Quantity			Measure Life			Net to Gross			In Service Rate			Non-Electric Realization Rate			Net Annual MMBtu Savings			Net Lifetime MMBtu Savings		
Subprogram	Measure	Measure ID	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
C2a - SCI Retrofit	Custom Small Hot Water Retro	G21C2a001	4	3	6	10	10	10	100%	100%	100%	100%	100%	100%	100%	100%	100%	462	329	637	4,615	3,288	6,369
C2a - SCI Retrofit	Custom Small HVAC Retro	G21C2a002	6	9	12	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,500	2,138	2,760	22,500	32,063	41,400
C2a - SCI Retrofit	Custom Small Other Retro	G21C2a003	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Custom Small Process Retro	G21C2a004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Faucet Aerator, Gas	G21C2a005	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Low Flow Showerhead With Thermostatic	G21C2a006	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Low Flow Showerhead, Gas	G21C2a007	35	40	45	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	93	106	119	649	742	835
C2a - SCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C2a008	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Pre Rinse Spray Valve, Gas	G21C2a009	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Boiler Reset Controls, Gas	G21C2a010	12	15	18	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	426	533	639	6,390	7,988	9,585
C2a - SCI Retrofit	Boiler Tune-Ups	G21C2a011	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Energy Management System, Gas	G21C2a012	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Pipe Insulation - Heating, Gas	G21C2a013	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	Steam Trap, Gas	G21C2a014	35	39	42	6	6	6	100%	100%	100%	100%	100%	100%	100%	100%	100%	294	323	356	1,764	1,940	2,134
C2a - SCI Retrofit	Programmable Thermostat, Gas	G21C2a015	-	-	-	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2a - SCI Retrofit	WiFi Thermostat (Heating & Cooling)	G21C2a016	20	25	30	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	62	78	93	933	1,166	1,400
C2b - SCI New Equipment and Cont	Custom Small Hot Water New	G21C2b001	20	28	35	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,067	1,419	1,717	12,800	17,024	20,608
C2b - SCI New Equipment and Cont	Custom Small HVAC New	G21C2b002	3	4	5	15	15	15	100%	100%	100%	100%	100%	100%	100%	100%	100%	1,050	1,330	1,610	15,750	19,950	24,150
C2b - SCI New Equipment and Cont	Custom Small Other New	G21C2b003	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Custom Small Process New	G21C2b004	-	-	-	-	-	-	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Boiler 1701 to 2000 MBH 90 AFUE, Gas	G21C2b005	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Boiler 1000 to 1700 MBH 90 AFUE, Gas	G21C2b006	3	3	5	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	284	312	473	7,088	7,796	11,813
C2b - SCI New Equipment and Cont	Boiler 500 to 999 MBH 90 AFUE, Gas	G21C2b007	8	9	10	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	411	452	498	10,280	11,308	12,439
C2b - SCI New Equipment and Cont	Boiler 301 to 499 MBH 90 AFUE, Gas	G21C2b008	4	4	5	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	112	123	136	2,800	3,080	3,388
C2b - SCI New Equipment and Cont	Boiler to 300 MBH 90 AFUE, Gas	G21C2b009	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Boiler to 300 MBH 95 AFUE, Gas	G21C2b010	15	20	25	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	266	354	443	6,638	8,850	11,063
C2b - SCI New Equipment and Cont	Combo Condensing Boiler / Water Heater	G21C2b011	-	-	-	25	25	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Combo Furnace / Water Heater, Gas	G21C2b012	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Condensing Unit Heater, Gas	G21C2b013	4	4	5	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	164	180	198	2,945	3,239	3,563
C2b - SCI New Equipment and Cont	Furnace w/ ECM 95 AFUE, Gas	G21C2b014	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Furnace w/ ECM 97 AFUE, Gas	G21C2b015	-	-	-	18	18	18	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Infrared Heater, Gas	G21C2b016	15	18	20	17	17	17	100%	100%	100%	100%	100%	100%	100%	100%	100%	180	216	240	3,060	3,672	4,080
C2b - SCI New Equipment and Cont	Faucet Aerator, Gas	G21C2b017	100	120	140	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	170	204	238	1,190	1,428	1,666
C2b - SCI New Equipment and Cont	Low Flow Showerhead With Thermostatic	G21C2b018	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Low Flow Showerhead, Gas	G21C2b019	-	-	-	7	7	7	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Pre Rinse Spray Valve, Gas	G21C2b020	-	-	-	8	8	8	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Combination Oven, Gas	G21C2b021	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Convection Oven, Gas	G21C2b022	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Conveyor Oven, Gas	G21C2b023	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Fryer, Gas	G21C2b024	1	2	3	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	78	157	235	940	1,879	2,819
C2b - SCI New Equipment and Cont	Griddle, Gas	G21C2b025	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Rack Oven, Gas	G21C2b026	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	Steam Cooker, Gas	G21C2b027	-	-	-	12	12	12	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2b - SCI New Equipment and Cont	C&I Small New Construction Code Compl	G21C2b028	1	1	1	20	20	20	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	-	23	-	-	452
C2c - SCI Midstream	Midstream Combination Oven, Gas	G21C2c001	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Convection Oven, Gas	G21C2c002	8	9	10	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	225	248	273	2,703	2,973	3,271
C2c - SCI Midstream	Midstream Conveyor Oven, Gas	G21C2c003	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Fryer, Gas	G21C2c004	15	17	18	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	978	1,109	1,184	11,740	13,306	14,206
C2c - SCI Midstream	Midstream Griddle, Gas	G21C2c005	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Pre-Rinse Spray Valve, Gas	G21C2c006	-	-	-	8	8	8	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Rack Oven, Gas	G21C2c007	1	1	1	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	176	194	213	2,112	2,323	2,556
C2c - SCI Midstream	Midstream Steam Cooker, Gas	G21C2c008	-	-	-	12	12	12	83%	83%	83%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream Indirect Water Heater, Gas	G21C2c009	-	-	-	15	15	15	31%	31%	31%	100%	100%	100%	100%	100%	100%	-	-	-	-	-	-
C2c - SCI Midstream	Midstream On Demand Tankless Water H	G21C2c010	7	8	8	20	20	20	60%	60%	60%	100%	100%	100%	100%	100%	100%	37	41	45	748	822	905
C2c - SCI Midstream	Midstream Volume Water Heater, Gas	G21C2c011	3	3	4	15	15	15	60%	60%	60%	100%	100%	100%	100%	100%	100%	147	162	178	2,209	2,429	2,672
C2c - SCI Midstream	Midstream Water Heater, Condensing Ga	G21C2c012	6	7																			

Northern Utilities, Inc. -- New Hampshire Division

EEC Budget

	Residential	Low-Income	Gen Service	Total
July-20	\$51,728	\$9,161	\$58,020	\$118,909
August-20	\$59,199	\$33,463	\$66,401	\$159,063
September-20	\$66,096	\$37,362	\$80,013	\$183,471
October-20	\$73,568	\$41,585	\$82,518	\$197,671
November-20	\$81,040	\$45,809	\$90,898	\$217,747
December-20	\$88,512	\$50,032	\$105,155	\$243,699
January-21	\$33,101	\$16,281	\$57,210	\$106,592
February-21	\$55,169	\$27,135	\$57,210	\$139,514
March-21	\$66,203	\$32,562	\$85,815	\$184,580
April-21	\$77,237	\$37,989	\$100,117	\$215,343
May-21	\$77,237	\$37,989	\$57,210	\$172,436
June-21	\$132,406	\$65,125	\$71,512	\$269,043
July-21	\$143,440	\$70,552	\$100,117	\$314,108
August-21	\$77,237	\$37,989	\$157,327	\$272,553
September-21	\$154,473	\$75,979	\$171,629	\$402,082
October-21	\$110,338	\$54,271	\$185,932	\$350,541
Total	\$1,346,983	\$673,283	\$1,527,084	\$3,547,351

**Budget with Low-Income Costs Allocated
to Residential and General Service Classes**

	Residential	Low-Income	Gen Service	Total
July-20	\$56,539	0	\$62,370	\$118,909
August-20	\$63,760	0	\$95,304	\$159,063
September-20	\$71,689	0	\$111,782	\$183,471
October-20	\$80,185	0	\$117,486	\$197,671
November-20	\$92,872	0	\$124,875	\$217,747
December-20	\$104,446	0	\$139,252	\$243,699
January-21	\$38,314	0	\$68,279	\$106,592
February-21	\$64,133	0	\$75,381	\$139,514
March-21	\$76,417	0	\$108,163	\$184,580
April-21	\$88,503	0	\$126,840	\$215,343
May-21	\$86,905	0	\$85,531	\$172,436
June-21	\$145,513	0	\$123,530	\$269,043
July-21	\$154,320	0	\$159,788	\$314,108
August-21	\$82,237	0	\$190,316	\$272,553
September-21	\$165,211	0	\$236,870	\$402,082
October-21	\$118,650	0	\$231,891	\$350,541
Total	\$1,489,693	\$0	\$2,057,658	\$3,547,351

EEC Charge Factor Calculation

EEC Charge Factors for Residential Customers

	Effective			
	November 1, 2020	November 1, 2021	November 1, 2022	
EEC Reconciliation Adjustment	\$276,963	(\$7,185)	\$0	Attachment J3 Page 3 Nov '20 Beginning Balance; Oct '21 Ending Balance
EEC Costs	\$1,096,392	\$1,326,609	\$1,604,183	Attachment J3 Page 3 Nov '20 - Oct '21 Totals; Company Budget
EEC Performance Incentive	\$56,430	\$72,866	\$88,127	Attachment J3 Page 3 Nov '20 - Oct '21 Totals; Company Budget-
EEC Low-Income Costs	\$121,129	\$147,759	\$189,074	Attachment J3 Page 3 Nov '20 - Oct '21 Totals; Company Budget-
EEC Allocated Low-Income Performance Incentive	\$6,532	\$8,943	\$11,401	Attachment J3 Page 3 Nov '20 - Oct '21 Totals; Company Budget-
Total	\$1,557,446	\$1,548,992	\$1,892,786	
Forecasted Annual Throughput Volumes for Residential Customers	20,133,234	20,341,869	20,727,239	Attachment J3 Page 3 Nov '20 - Oct '21 Totals; Company Forecast

Energy Efficiency Charge Factor for Residential Customers	\$0.0774	\$0.0761	\$0.0913
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EEC Charge Factors for Commercial and Industrial Customers (C&I)

EEC Reconciliation Adjustment	(\$60,459)	(\$10,794)	\$0	Attachment J3 Page 4 Nov '20 Beginning Balance; Oct '21 Ending Balance
EEC Costs	\$1,240,133	\$1,872,209	\$2,750,204	Attachment J3 Page 4 Nov '20 - Oct '21 Totals; Company Budget
EEC Performance Incentive	\$73,557	\$106,412	\$156,824	Attachment J3 Page 4 Nov '20 - Oct '21 Totals; Company Budget
EEC Low-Income Costs	\$430,584	\$551,139	\$699,944	Attachment J3 Page 4 Nov '20 - Oct '21 Totals; Company Budget
EEC Allocated Low-Income Performance Incentive	\$21,181	\$29,428	\$37,425	Attachment J3 Page 4 Nov '20 - Oct '21 Totals; Company Budget
Total	\$1,704,995	\$2,548,396	\$3,644,397	
Forecasted Annual Throughput Volumes for C&I Customers	52,446,711	54,440,281	55,734,520	Attachment J3 Page 4 Nov '20 - Oct '21 Totals; Company Forecast

Energy Efficiency Charge Factor for C&I Customers	\$0.0337	\$0.0470	\$0.0654
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Northern Utilities, Inc. New Hampshire Division Calculation of the EEC Charge, a Component of the Local Distribution Adjustment Charge To Be Effective November 1, 2020 through October 31, 2021 Residential Customers															
		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
August-19	Actual	\$107,098	\$0.0501	\$16,801	\$37,242	\$3,633	\$1,184	\$69	\$132,424	\$119,761	5.50%	\$559,430	\$132,983	335,427	31
September-19	Actual	\$132,983	\$0.0501	\$16,810	\$21,383	\$3,633	\$11,591	\$675	\$153,455	\$143,219	5.50%	\$647,430	\$154,102	335,597	30
October-19	Actual	\$154,102	\$0.0501	\$30,568	\$57,526	\$3,633	\$1,339	\$78	\$186,110	\$170,106	5.25%	\$758,490	\$186,868	610,233	31
November-19	Actual	\$186,868	\$0.0499	\$68,678	\$20,599	\$3,633	\$20,128	\$1,171	\$163,721	\$175,295	5.25%	\$1,262,240	\$164,984	1,373,589	30
December-19	Actual	\$164,984	\$0.0499	\$137,485	\$32,245	\$3,633	\$4,023	\$234	\$67,634	\$116,309	5.25%	\$518,610	\$68,152	2,755,471	31
January-20	Actual	\$68,152	\$0.0499	\$154,006	\$19,025	\$3,906	\$3,272	\$190	(\$59,461)	\$4,346	4.75%	\$17,480	(\$59,444)	3,086,303	31
February-20	Actual	\$556	\$0.0499	\$156,856	\$111,389	\$3,906	\$7,729	\$450	(\$32,826)	(\$16,135)	4.75%	\$3,668,730	(\$29,158)	3,143,380	29
March-20	Actual	\$45,842	\$0.0499	\$133,675	\$132,910	\$15,890	\$25,651	\$1,493	\$88,111	\$66,977	4.75%	\$1,674,790	\$89,786	2,678,854	31
April-20	Actual	\$89,786	\$0.0499	\$93,387	\$84,604	\$3,906	\$11,124	\$647	\$96,680	\$93,233	4.75%	\$413,570	\$97,093	1,871,517	30
May-20	Actual	\$97,093	\$0.0499	\$66,832	\$18,542	(\$976)	\$3,996	\$233	\$52,056	\$74,575	4.75%	\$300,030	\$52,356	1,339,252	31
June-20	Actual	\$52,356	\$0.0499	\$28,689	\$43,423	\$2,929	\$1,527	\$89	\$71,635	\$61,996	4.75%	\$241,380	\$71,877	574,945	30
July-20	Forecast	\$71,877	\$0.0499	\$20,894	\$51,728	\$2,929	\$4,811	\$234	\$110,685	\$91,281	3.25%	\$251,270	\$110,936	418,711	31
August-20	Forecast	\$110,936	\$0.0499	\$16,527	\$59,199	\$2,929	\$4,560	\$193	\$161,292	\$136,114	3.25%	\$374,690	\$161,666	331,195	31
September-20	Forecast	\$161,666	\$0.0499	\$18,846	\$66,096	\$2,929	\$5,592	\$212	\$217,651	\$189,659	3.25%	\$505,240	\$218,156	377,676	30
October-20	Forecast	\$218,156	\$0.0499	\$25,214	\$73,568	\$2,929	\$6,617	\$226	\$276,283	\$247,219	3.25%	\$680,530	\$276,963	505,288	31
November-20	Forecast	\$276,963	\$0.0774	\$115,178	\$81,040	\$2,929	\$11,832	\$367	\$257,953	\$267,458	3.25%	\$712,490	\$258,665	1,488,092	30
December-20	Forecast	\$258,665	\$0.0774	\$212,948	\$88,512	\$2,929	\$15,935	\$452	\$153,546	\$206,105	3.25%	\$567,350	\$154,113	2,751,261	31
January-21	Forecast	\$154,113	\$0.0774	\$261,213	\$33,101	\$5,057	\$5,212	\$796	(\$62,933)	\$45,590	3.25%	\$125,840	(\$62,807)	3,374,845	31
February-21	Forecast	(\$62,807)	\$0.0774	\$291,762	\$55,169	\$5,057	\$8,964	\$822	(\$284,557)	(\$173,682)	3.25%	(\$433,020)	(\$284,990)	3,769,530	28
March-21	Forecast	(\$284,990)	\$0.0774	\$245,174	\$66,203	\$5,057	\$10,214	\$780	(\$447,910)	(\$366,450)	3.25%	(\$1,011,500)	(\$448,921)	3,167,624	31
April-21	Forecast	(\$448,921)	\$0.0774	\$165,238	\$77,237	\$5,057	\$11,267	\$738	(\$519,861)	(\$484,391)	3.25%	(\$1,293,920)	(\$521,155)	2,134,862	30
May-21	Forecast	(\$521,155)	\$0.0774	\$93,796	\$77,237	\$5,057	\$9,668	\$633	(\$522,357)	(\$521,756)	3.25%	(\$1,440,190)	(\$523,797)	1,211,836	31
June-21	Forecast	(\$523,797)	\$0.0774	\$48,120	\$132,406	\$5,057	\$13,107	\$501	(\$420,846)	(\$472,321)	3.25%	(\$1,261,680)	(\$422,108)	621,702	30
July-21	Forecast	(\$422,108)	\$0.0774	\$30,763	\$143,440	\$5,057	\$10,880	\$384	(\$293,110)	(\$357,609)	3.25%	(\$987,100)	(\$294,097)	397,455	31
August-21	Forecast	(\$294,097)	\$0.0774	\$26,040	\$77,237	\$5,057	\$5,000	\$327	(\$232,516)	(\$263,306)	3.25%	(\$726,800)	(\$233,243)	336,440	31
September-21	Forecast	(\$233,243)	\$0.0774	\$28,829	\$154,473	\$5,057	\$10,738	\$352	(\$91,451)	(\$162,347)	3.25%	(\$433,670)	(\$91,885)	372,462	30
October-21	Forecast	(\$91,885)	\$0.0774	\$39,252	\$110,338	\$5,057	\$8,312	\$381	(\$7,049)	(\$49,467)	3.25%	(\$136,540)	(\$7,185)	507,126	31

Nov 20 thru Oct 21 Totals

\$1,558,312 \$1,096,392 \$56,430 \$121,129 \$6,532

20,133,234

Forecast therm Sales from Company Forecast as seen in Attachment 2 to Schedule 10 B, Page 2 of 3, filed on September 17, 2019 in the Cost of Gas Docket.
 Actual Performance Incentives includes reconciliations from prior year(s).
 footnote transfers

Northern Utilities, Inc. New Hampshire Division Calculation of the EEC Charge, a Component of the Local Distribution Adjustment Charge To Be Effective November 1, 2020 through October 31, 2021 General Service Customers															
		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
August-19	Actual	(\$704,375)	\$0.0264	\$63,986	\$29,331	\$4,684	\$8,553	\$498	(\$725,295)	(\$714,835)	5.50%	(\$3,339.16)	(\$728,634)	2,423,706	31
September-19	Actual	(\$728,634)	\$0.0264	\$62,483	\$110,426	\$4,684	\$81,746	\$4,758	(\$589,503)	(\$659,069)	5.50%	(\$2,979.35)	(\$592,483)	2,366,753	30
October-19	Actual	(\$592,483)	\$0.0264	\$83,920	\$220,316	\$4,684	\$6,982	\$406	(\$444,015)	(\$518,249)	5.25%	(\$2,310.82)	(\$446,326)	3,182,362	31
November-19	Actual	(\$446,326)	\$0.0247	\$114,869	\$248,775	\$4,684	\$66,982	\$3,898	(\$236,854)	(\$341,590)	5.25%	(\$1,458.61)	(\$238,312)	4,571,040	30
December-19	Actual	(\$238,312)	\$0.0247	\$158,016	\$190,099	\$4,684	\$9,339	\$544	(\$191,662)	(\$214,987)	5.25%	(\$958.61)	(\$192,621)	6,397,368	31
January-20	Actual	(\$192,621)	\$0.0247	\$177,242	\$53,455	\$5,336	\$7,606	\$443	(\$303,024)	(\$247,822)	4.75%	(\$997.04)	(\$304,021)	7,174,996	31
February-20	Actual	(\$198,021)	\$0.0247	\$177,778	\$72,005	\$5,336	\$17,680	\$1,029	(\$279,749)	(\$238,885)	4.75%	\$4,653.65	(\$275,096)	7,197,470	29
March-20	Actual	(\$125,096)	\$0.0247	\$155,281	\$54,638	(\$3,397)	\$60,197	\$3,504	(\$165,435)	(\$145,265)	4.75%	\$564.14	(\$164,871)	6,286,658	31
April-20	Actual	(\$164,871)	\$0.0247	\$112,351	\$30,445	\$5,336	\$27,036	\$1,574	(\$212,832)	(\$188,852)	4.75%	(\$735.28)	(\$213,567)	4,548,589	30
May-20	Actual	(\$213,567)	\$0.0247	\$87,004	\$71,762	(\$1,334)	\$10,511	\$612	(\$219,021)	(\$216,294)	4.75%	(\$870.20)	(\$219,891)	3,522,410	31
June-20	Actual	(\$219,891)	\$0.0247	\$60,861	\$41,870	\$4,002	\$6,546	\$381	(\$227,954)	(\$223,923)	4.75%	(\$871.83)	(\$228,826)	2,463,920	30
July-20	Forecast	(\$228,826)	\$0.0247	\$65,835	\$58,020	\$4,002	\$4,350	\$253	(\$228,035)	(\$228,431)	3.25%	(\$628.81)	(\$228,664)	2,125,963	31
August-20	Forecast	(\$228,664)	\$0.0247	\$51,849	\$66,401	\$4,002	\$28,903	\$1,226	(\$179,981)	(\$204,323)	3.25%	(\$562.45)	(\$180,544)	2,099,142	31
September-20	Forecast	(\$180,544)	\$0.0247	\$52,996	\$80,013	\$4,002	\$31,769	\$1,207	(\$116,548)	(\$148,546)	3.25%	(\$395.72)	(\$116,944)	2,145,572	30
October-20	Forecast	(\$116,944)	\$0.0247	\$65,953	\$82,518	\$4,002	\$34,968	\$1,194	(\$60,216)	(\$88,580)	3.25%	(\$243.84)	(\$60,459)	2,670,168	31
November-20	Forecast	(\$60,459)	\$0.0325	\$138,874	\$90,898	\$4,002	\$33,976	\$1,053	(\$69,404)	(\$64,932)	3.25%	(\$172.97)	(\$69,577)	4,273,046	30
December-20	Forecast	(\$69,577)	\$0.0325	\$191,330	\$105,155	\$4,002	\$34,097	\$968	(\$116,685)	(\$93,131)	3.25%	(\$256.36)	(\$116,941)	5,887,088	31
January-21	Forecast	(\$116,941)	\$0.0325	\$232,929	\$57,210	\$6,555	\$11,069	\$1,691	(\$273,345)	(\$195,143)	3.25%	(\$538.65)	(\$273,884)	7,167,043	31
February-21	Forecast	(\$273,884)	\$0.0325	\$248,358	\$57,210	\$6,555	\$18,172	\$1,666	(\$438,639)	(\$356,262)	3.25%	(\$888.21)	(\$439,528)	7,641,797	28
March-21	Forecast	(\$439,528)	\$0.0325	\$225,235	\$85,815	\$6,555	\$22,348	\$1,707	(\$548,338)	(\$493,933)	3.25%	(\$1,363.39)	(\$549,701)	6,930,321	31
April-21	Forecast	(\$549,701)	\$0.0325	\$164,566	\$100,117	\$6,555	\$26,723	\$1,750	(\$579,122)	(\$564,412)	3.25%	(\$1,507.68)	(\$580,630)	5,063,577	30
May-21	Forecast	(\$580,630)	\$0.0325	\$115,374	\$57,210	\$6,555	\$28,321	\$1,854	(\$602,063)	(\$591,346)	3.25%	(\$1,632.28)	(\$603,695)	3,549,981	31
June-21	Forecast	(\$603,695)	\$0.0325	\$80,188	\$71,512	\$6,555	\$52,018	\$1,987	(\$551,811)	(\$577,753)	3.25%	(\$1,543.31)	(\$553,354)	2,467,336	30
July-21	Forecast	(\$553,354)	\$0.0325	\$70,840	\$100,117	\$6,555	\$59,671	\$2,104	(\$455,747)	(\$504,551)	3.25%	(\$1,392.70)	(\$457,140)	2,179,685	31
August-21	Forecast	(\$457,140)	\$0.0325	\$72,143	\$157,327	\$6,555	\$32,989	\$2,160	(\$330,251)	(\$393,695)	3.25%	(\$1,086.71)	(\$331,338)	2,219,780	31
September-21	Forecast	(\$331,338)	\$0.0325	\$73,543	\$171,629	\$6,555	\$65,241	\$2,136	(\$159,320)	(\$245,329)	3.25%	(\$655.33)	(\$159,975)	2,262,857	30
October-21	Forecast	(\$159,975)	\$0.0325	\$91,136	\$185,932	\$6,555	\$45,959	\$2,106	(\$10,558)	(\$85,267)	3.25%	(\$235.36)	(\$10,794)	2,804,200	31

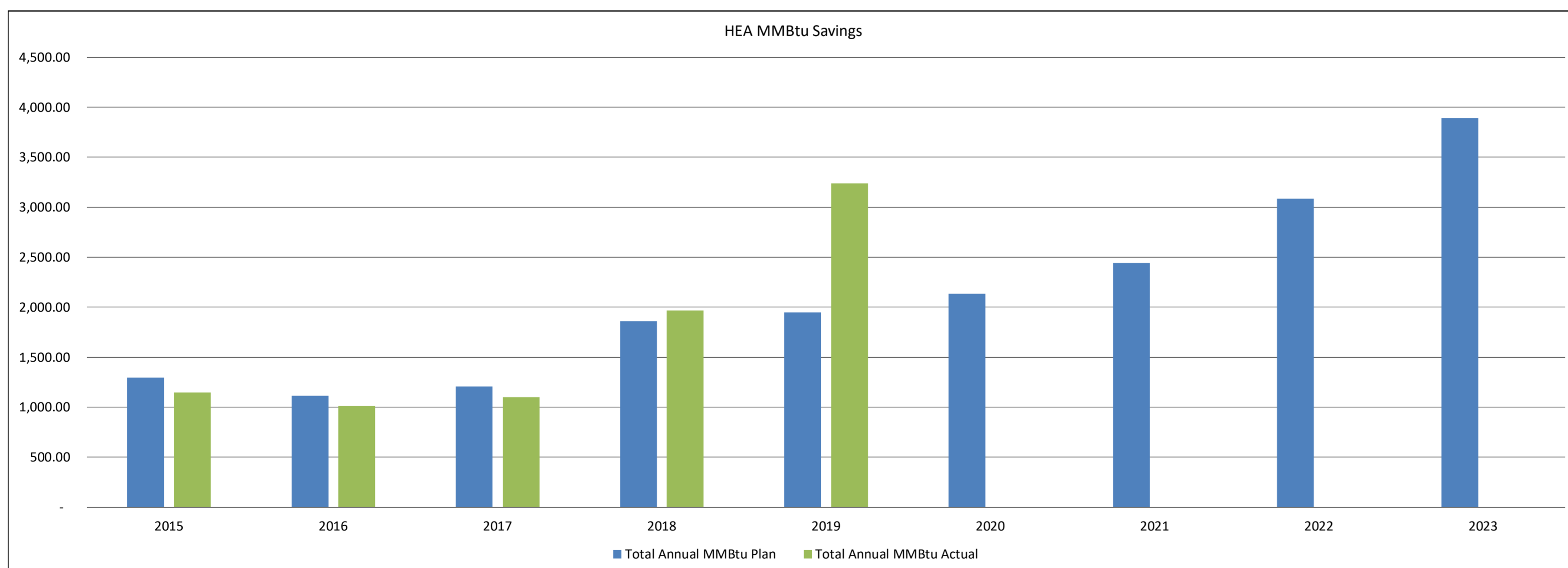
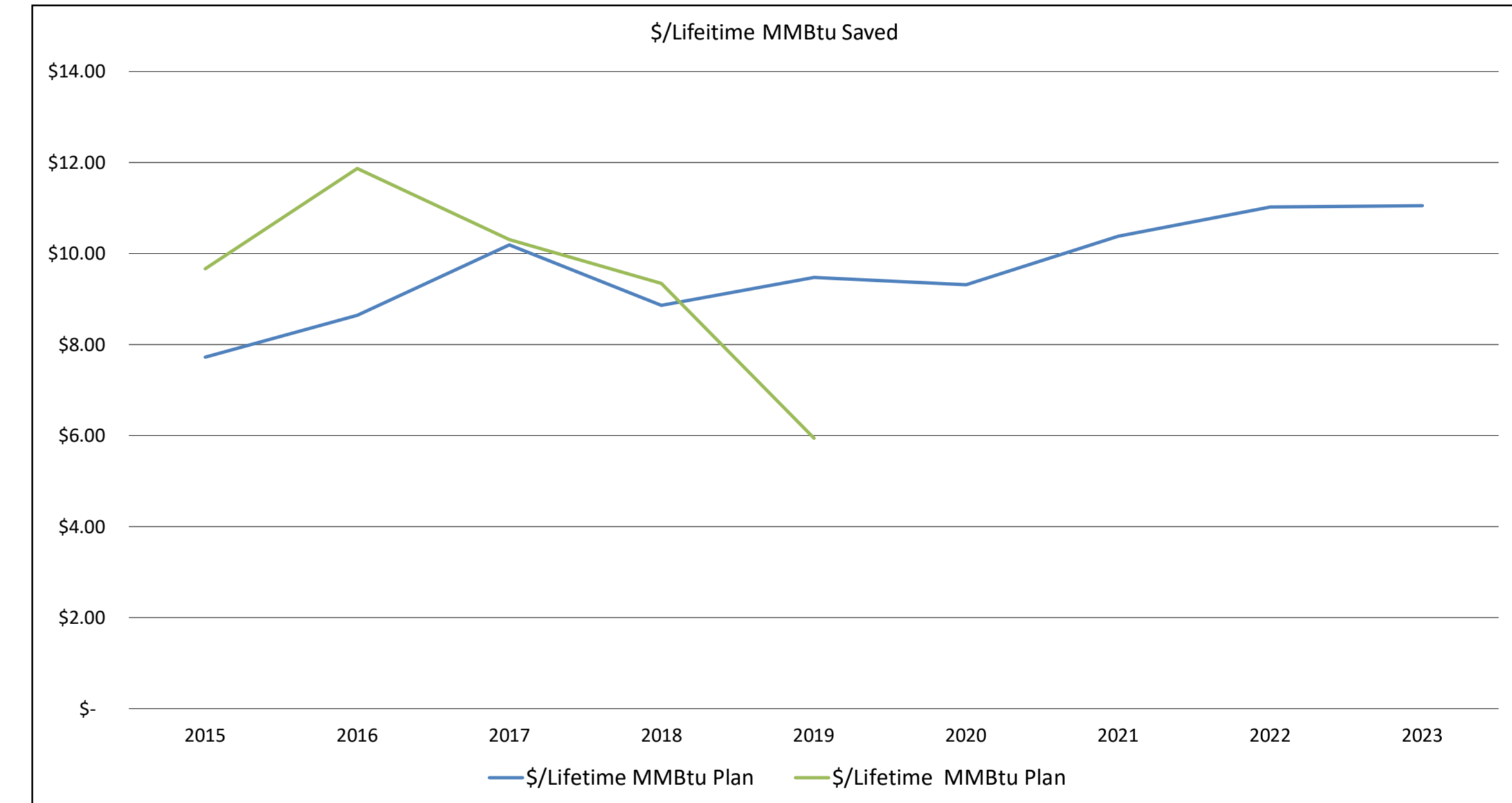
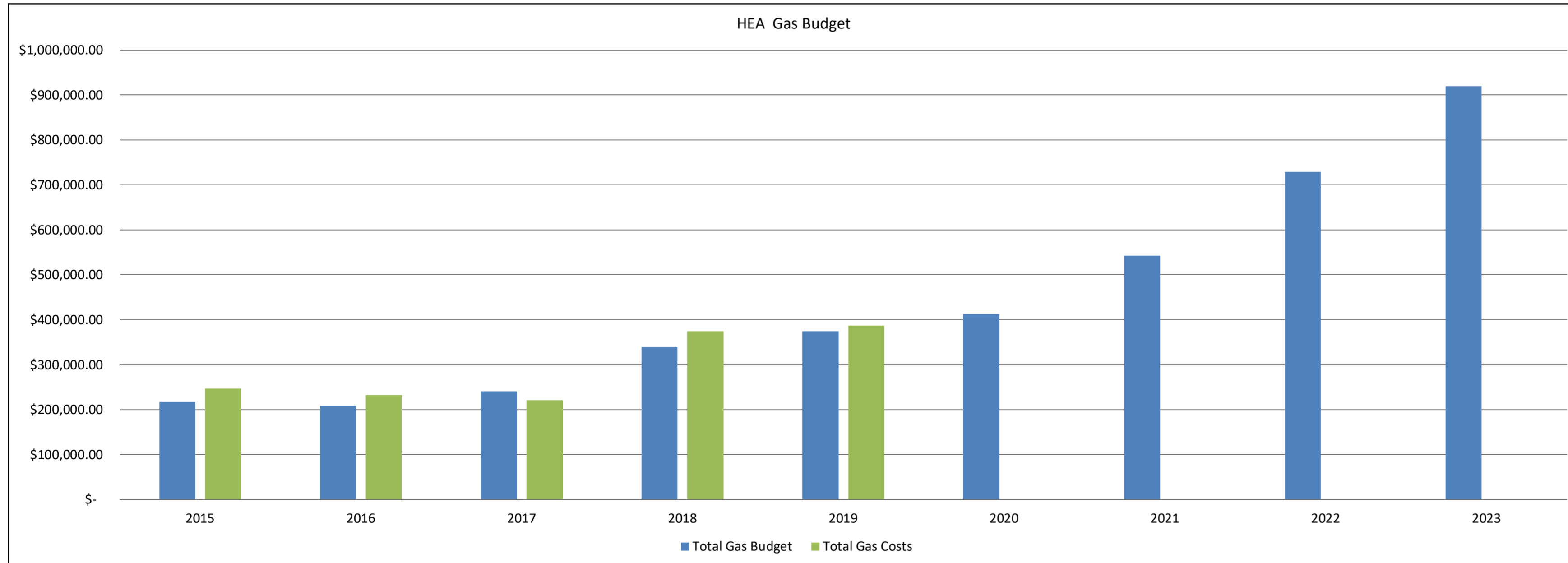
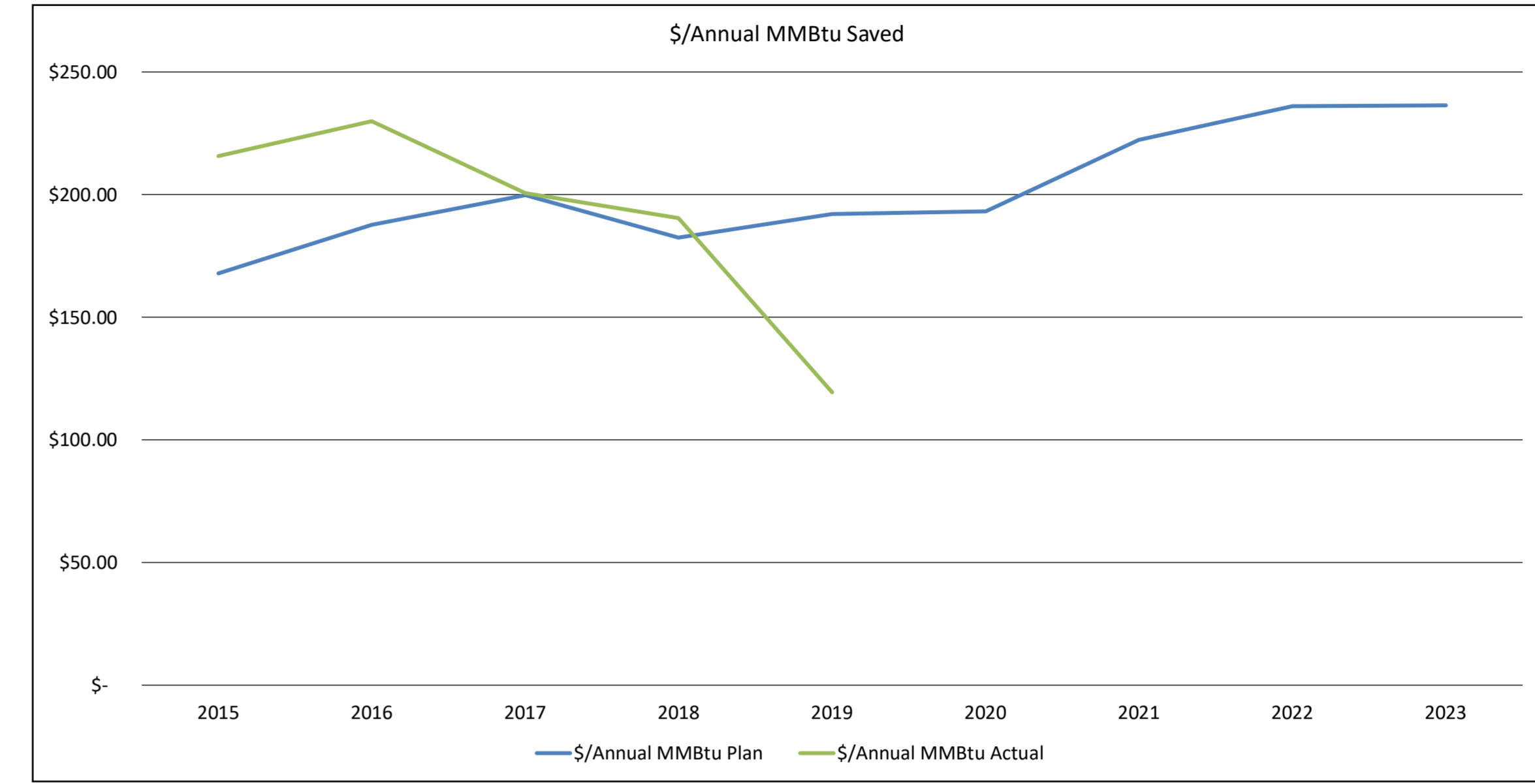
Nov 20 thru Oct 21 Totals	\$1,704,516	\$1,240,133	\$73,557	\$430,584	\$21,181	52,446,710
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Forecast therm Sales from Company Forecast as seen in Attachment 2 to Schedule 10 B, Page 2 of 3, filed on September 17, 2019 in the Cost of Gas Docket. Does not include Special Contracts.

Actual Performance Incentives includes reconciliations from prior year(s).

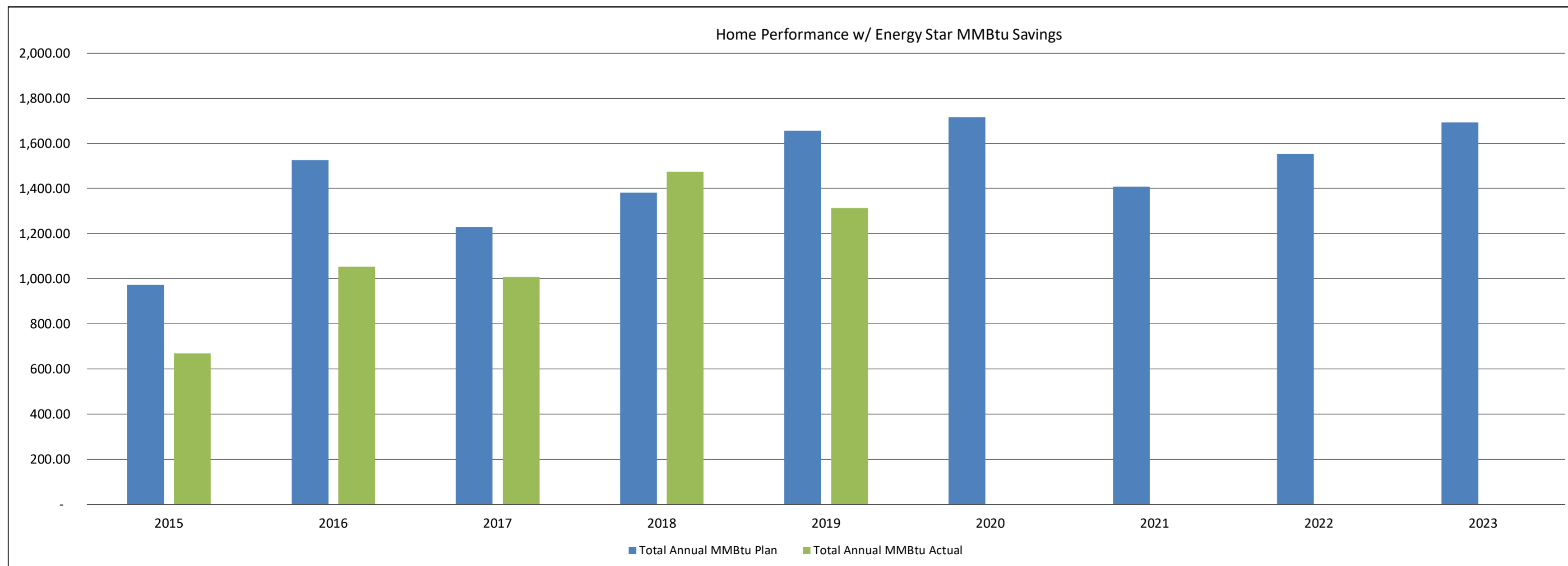
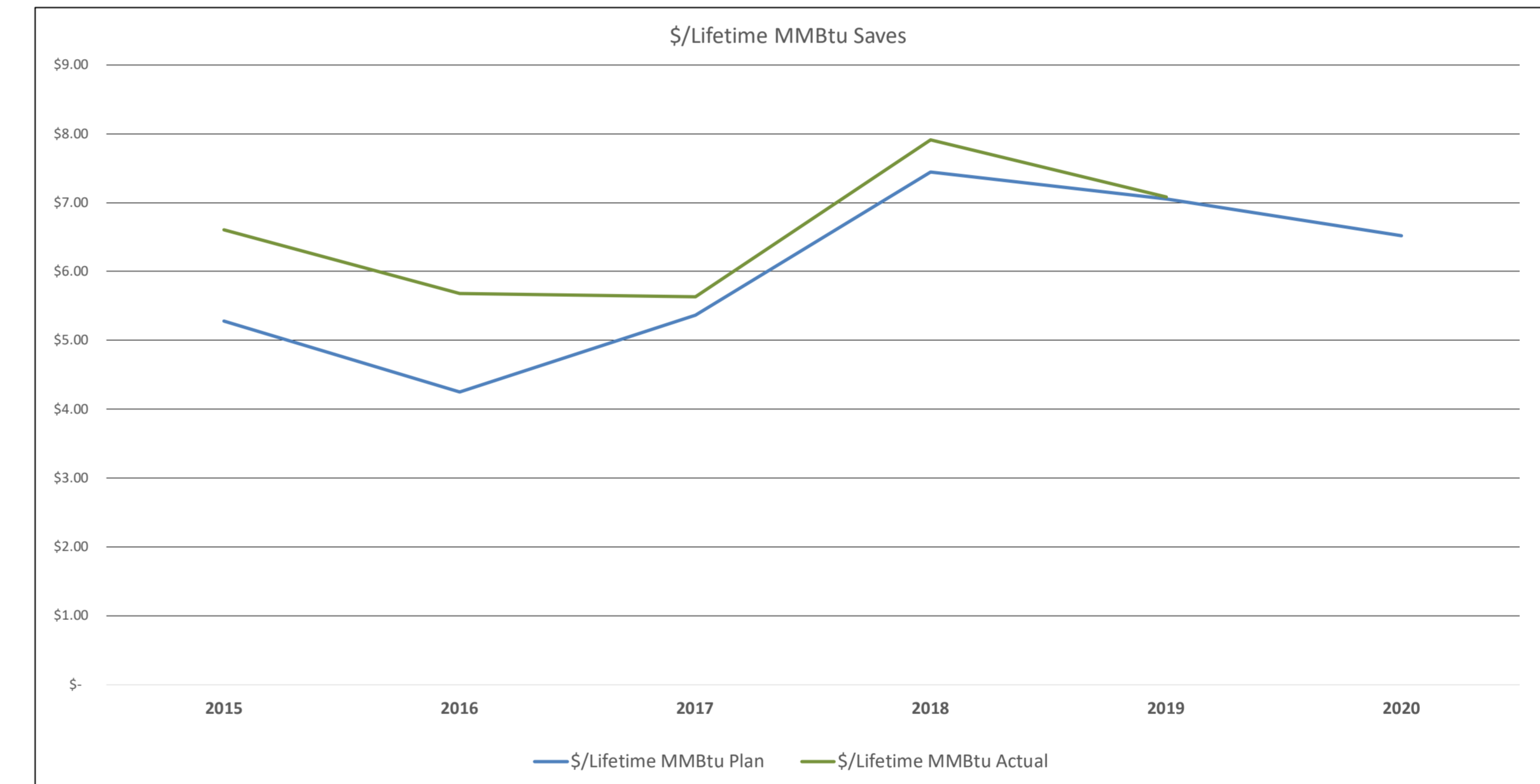
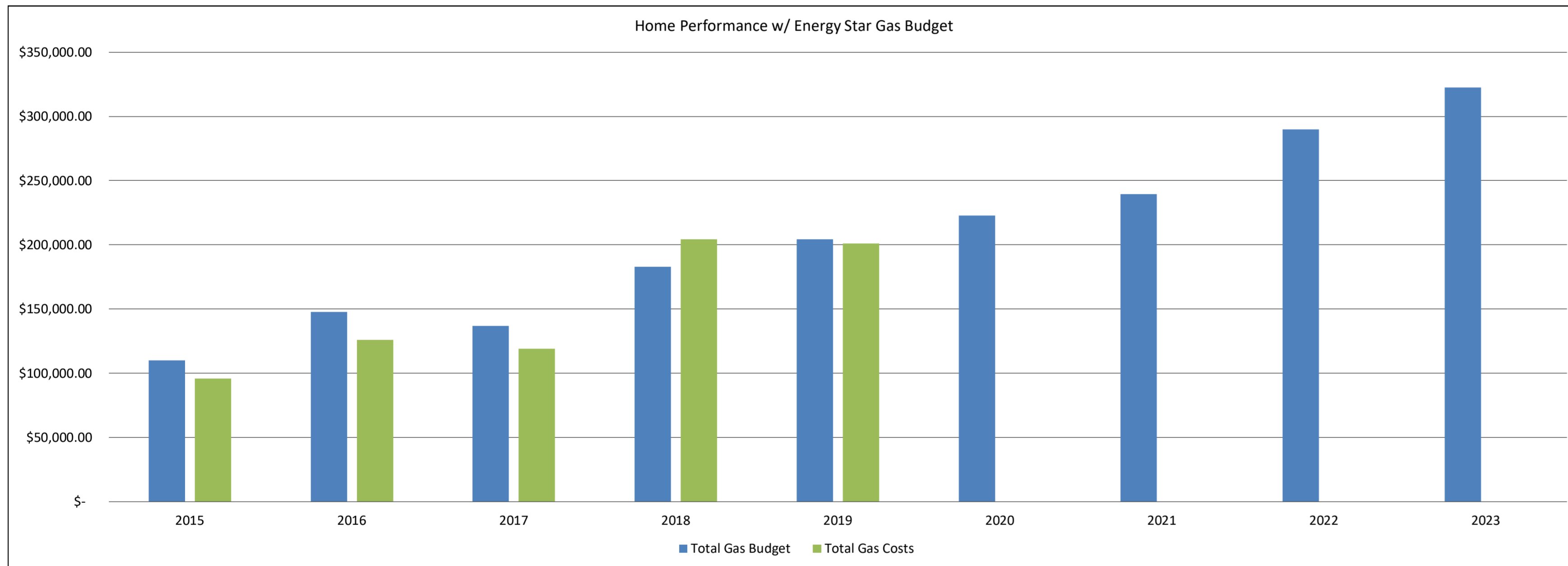
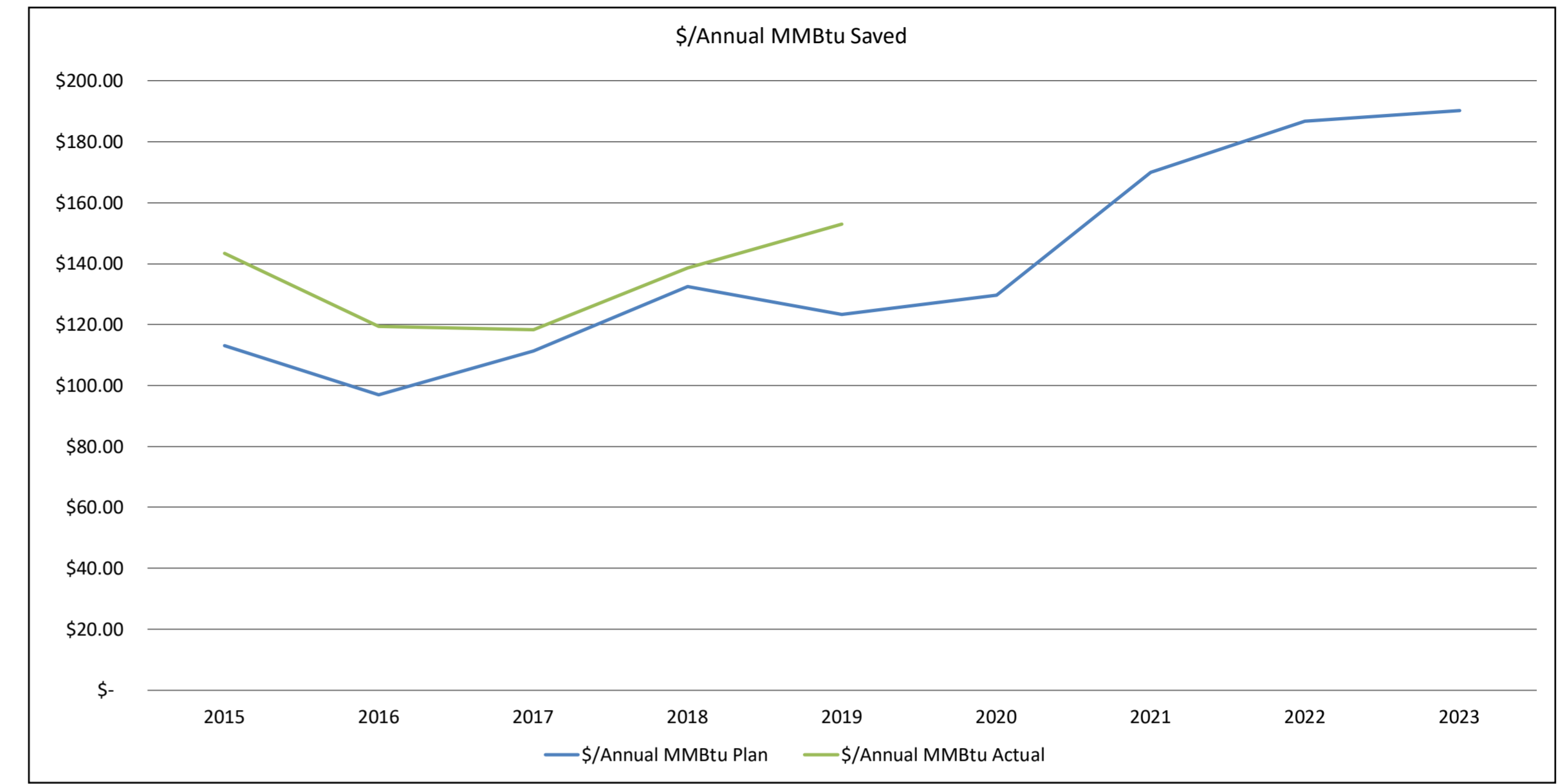
Home Energy Assistance

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 217,299.34	\$ 208,884.45	\$ 241,100.00	\$ 339,500.00	\$ 374,026.00	\$ 413,000.00	\$ 542,705.00	\$ 728,650.00	\$ 919,565.00
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ 19,500.00	\$ 19,100.00	\$ 11,828.83	\$ 12,266.80	\$ -	\$ -	\$ 1,223.04
2)	Total Gas Budget	\$ 217,299.34	\$ 208,884.45	\$ 241,100.00	\$ 339,500.00	\$ 374,026.00	\$ 413,000.00	\$ 542,705.00	\$ 728,650.00	\$ 919,565.00
	Total Lifetime MMBtu Plan	\$ 28,134.50	\$ 24,183.30	\$ 23,672.00	\$ 38,285.30	\$ 39,469.68	\$ 44,343.14	\$ 52,284.05	\$ 66,078.39	\$ 83,213.02
	\$/Lifetime MMBtu Plan	\$ 7.72	\$ 8.64	\$ 10.19	\$ 8.87	\$ 9.48	\$ 9.31	\$ 10.38	\$ 11.03	\$ 11.05
3)	Total Gas Budget	\$ 217,299.34	\$ 208,884.45	\$ 241,100.00	\$ 339,500.00	\$ 374,026.00	\$ 413,000.00	\$ 542,705.00	\$ 728,650.00	\$ 919,565.00
	Total Annual MMBtu Plan	\$ 1,294.23	\$ 1,112.44	\$ 1,206.60	\$ 1,859.40	\$ 1,947.41	\$ 2,136.81	\$ 2,442.17	\$ 3,085.41	\$ 3,889.92
	\$/Annual MMBtu Plan	\$ 167.90	\$ 187.77	\$ 199.82	\$ 182.59	\$ 192.06	\$ 193.28	\$ 222.22	\$ 236.16	\$ 236.40
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 246,875.44	\$ 232,458.52	\$ 221,117.77	\$ 374,000.00	\$ 386,835.96				
	Annual Electric Savings Actual (kWh)	-	-	4.01	16.90	4.28				
2)	Total Gas Costs	\$ 246,875.44	\$ 232,458.52	\$ 221,117.77	\$ 374,000.00	\$ 386,835.96				
	Total Lifetime MMBtu Actual	\$ 25,542.87	\$ 19,593.06	\$ 21,454.20	\$ 40,000.90	\$ 65,090.20				
	\$/Lifetime MMBtu Plan	\$ 9.67	\$ 11.86	\$ 10.31	\$ 9.35	\$ 5.94				
3)	Total Gas Costs	\$ 246,875.44	\$ 232,458.52	\$ 221,117.77	\$ 374,000.00	\$ 386,835.96				
	Total Annual MMBtu Actual	\$ 1,145.08	\$ 1,010.97	\$ 1,101.86	\$ 1,964.60	\$ 3,239.38				
	\$/Annual MMBtu Actual	\$ 215.60	\$ 229.94	\$ 200.68	\$ 190.37	\$ 119.42				



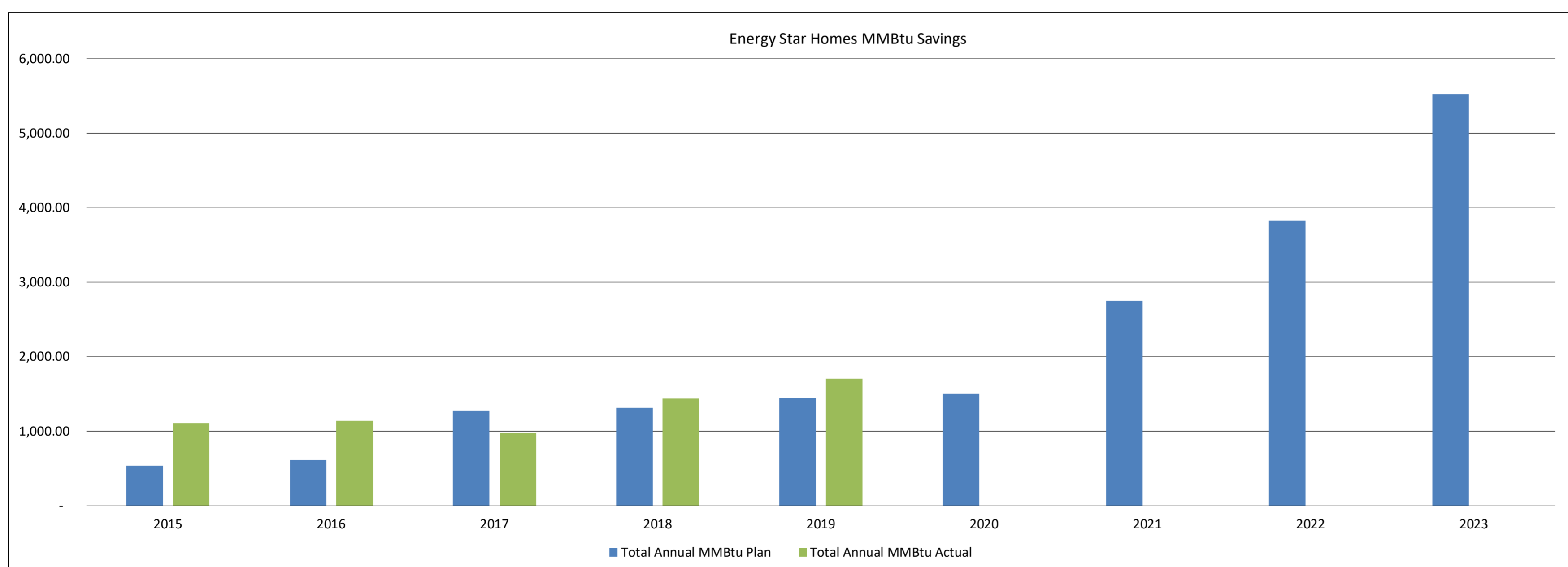
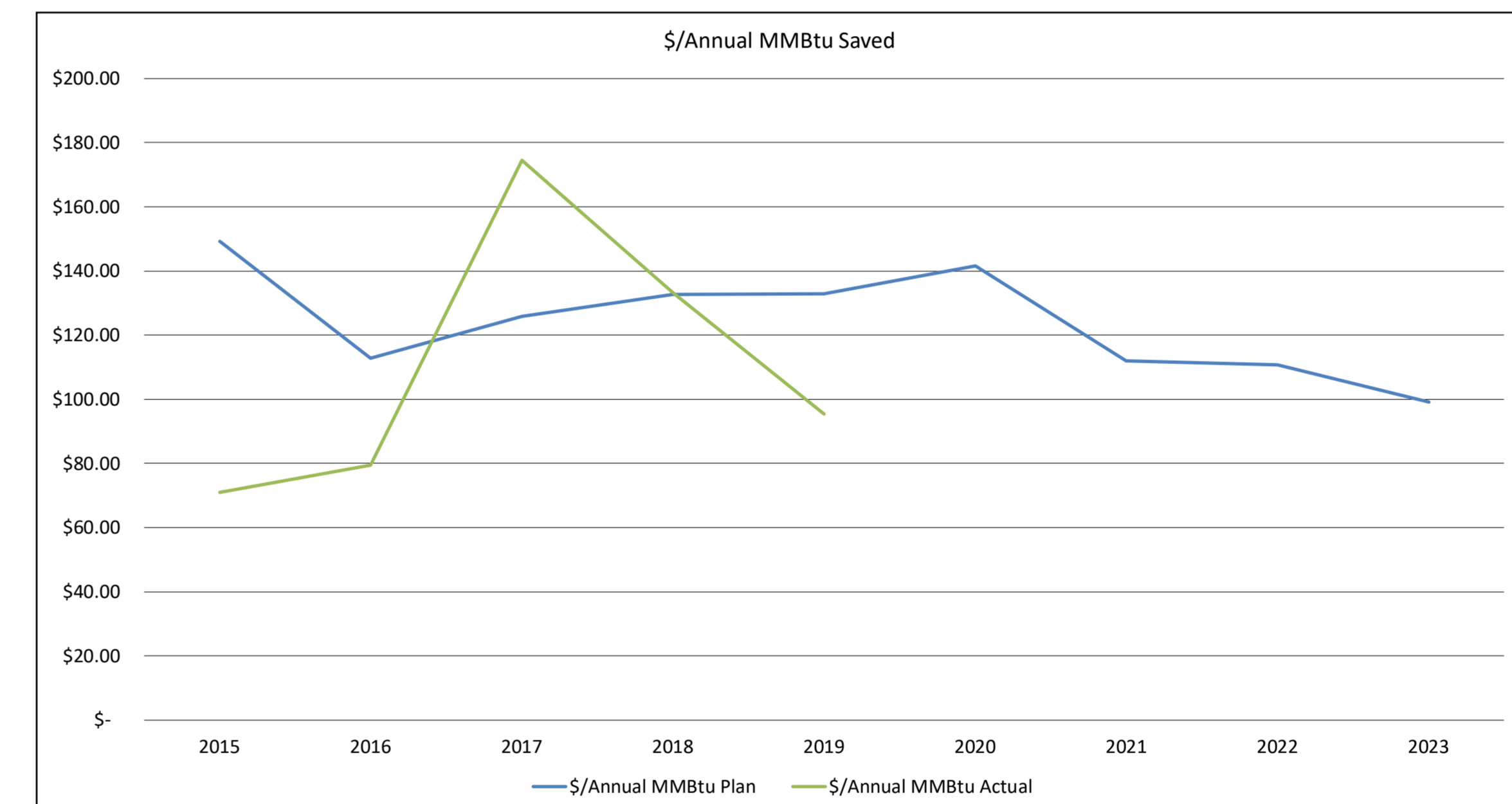
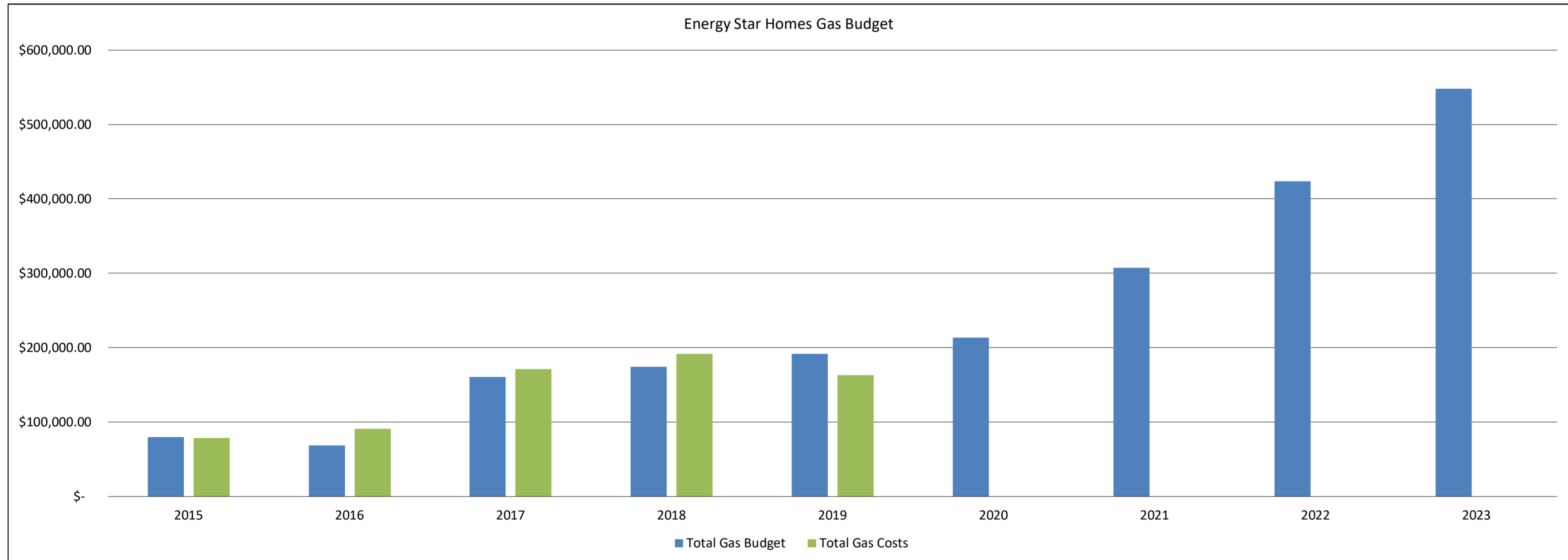
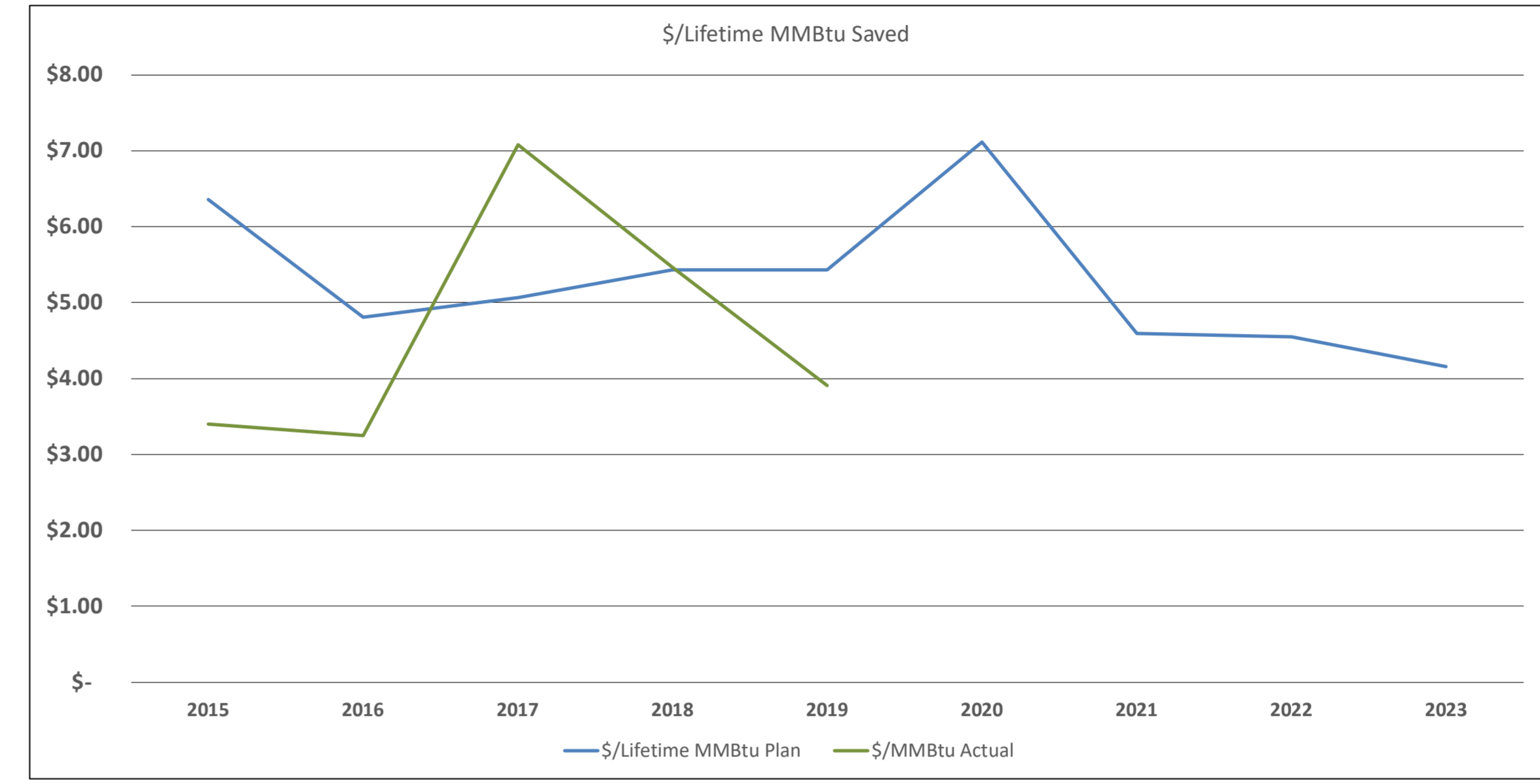
Home Performance w/Energy Star

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 110,000.00	\$ 147,740.00	\$ 136,800.00	\$ 183,000.00	\$ 204,236.93	\$ 222,642.42	\$ 239,330.00	\$ 289,874.25	\$ 322,364.00
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ 10,800.00	\$ 23,300.00	\$ 24,354.00	\$ 20,591.60	\$ 2,376.00	\$ 7,036.63	\$ 2,772.00
2)	Total Gas Budget	\$ 110,000.00	\$ 147,740.00	\$ 136,800.00	\$ 183,000.00	\$ 204,236.93	\$ 222,642.42	\$ 239,330.00	\$ 289,874.25	\$ 322,364.00
	Total Lifetime MMBtu Plan	20,824.99	34,783.42	25,504.00	24,573.30	28,946.40	34,137.18	29,706.11	32,524.40	35,275.48
	\$/Lifetime MMBtu Plan	\$ 5.28	\$ 4.25	\$ 5.36	\$ 7.45	\$ 7.06	\$ 6.52	\$ 8.06	\$ 8.91	\$ -
3)	Total Gas Budget	\$ 110,000.00	\$ 147,740.00	\$ 136,800.00	\$ 183,000.00	\$ 204,236.93	\$ 222,642.42	\$ 239,330.00	\$ 289,874.25	\$ 322,364.00
	Total Annual MMBtu Plan	972.51	1,525.46	1,228.80	1,381.30	1,655.20	1,716.46	1,407.84	1,552.50	1,693.66
	\$/Annual MMBtu Plan	\$ 113.11	\$ 96.85	\$ 111.33	\$ 132.48	\$ 123.39	\$ 129.71	\$ 170.00	\$ 186.71	\$ 190.34
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 95,886.98	\$ 125,902.87	\$ 119,165.42	\$ 204,200.00	\$ 201,021.15				
	Annual Electric Savings Actual (kWh)	-	-	3.27	19.40	17.21				
2)	Total Gas Costs	\$ 95,886.98	\$ 125,902.87	\$ 119,165.42	\$ 204,200.00	\$ 201,021.15				
	Total Lifetime MMBtu Actual	14,511.75	22,180.00	21,156.43	25,814.40	28,383.14				
	\$/Lifetime MMBtu Actual	\$ 6.61	\$ 5.68	\$ 5.63	\$ 7.91	\$ 7.08				
3)	Total Gas Costs	\$ 95,886.98	\$ 125,902.87	\$ 119,165.42	\$ 204,200.00	\$ 201,021.15				
	Total Annual MMBtu Actual	668.83	1,053.80	1,007.09	1,473.70	1,314.25				
	\$/Annual MMBtu Actual	\$ 143.37	\$ 119.48	\$ 118.33	\$ 138.56	\$ 152.96				



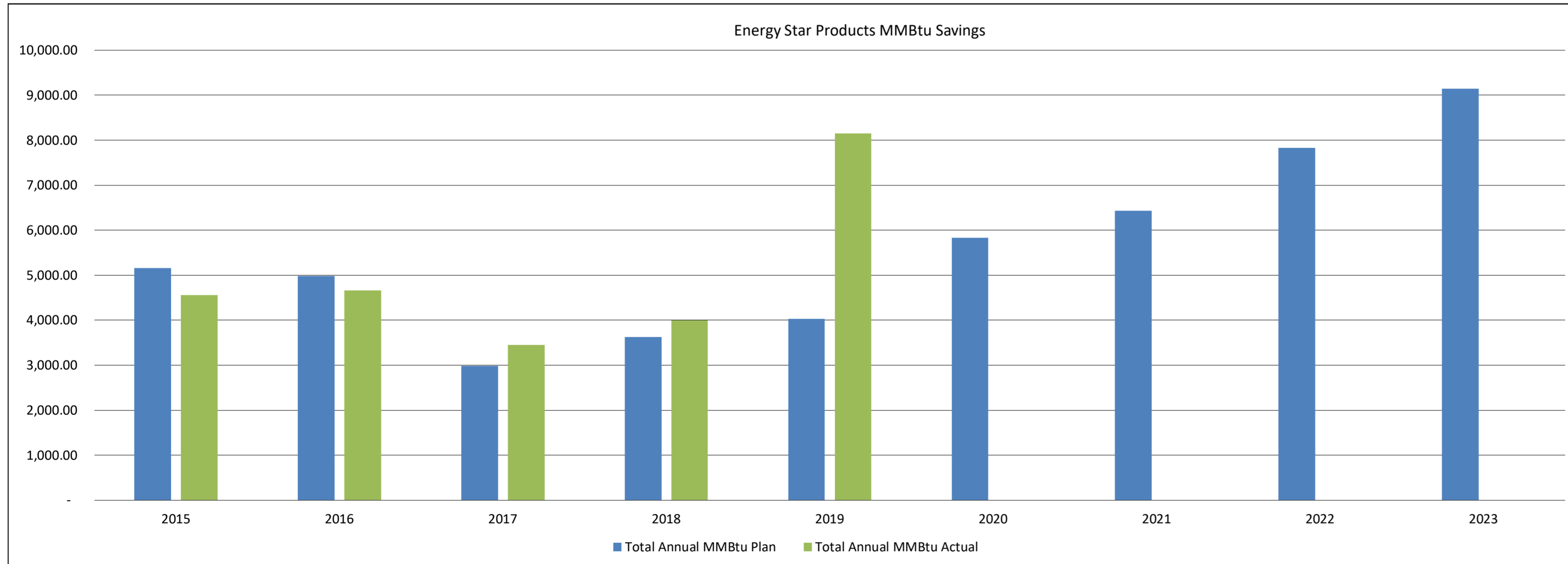
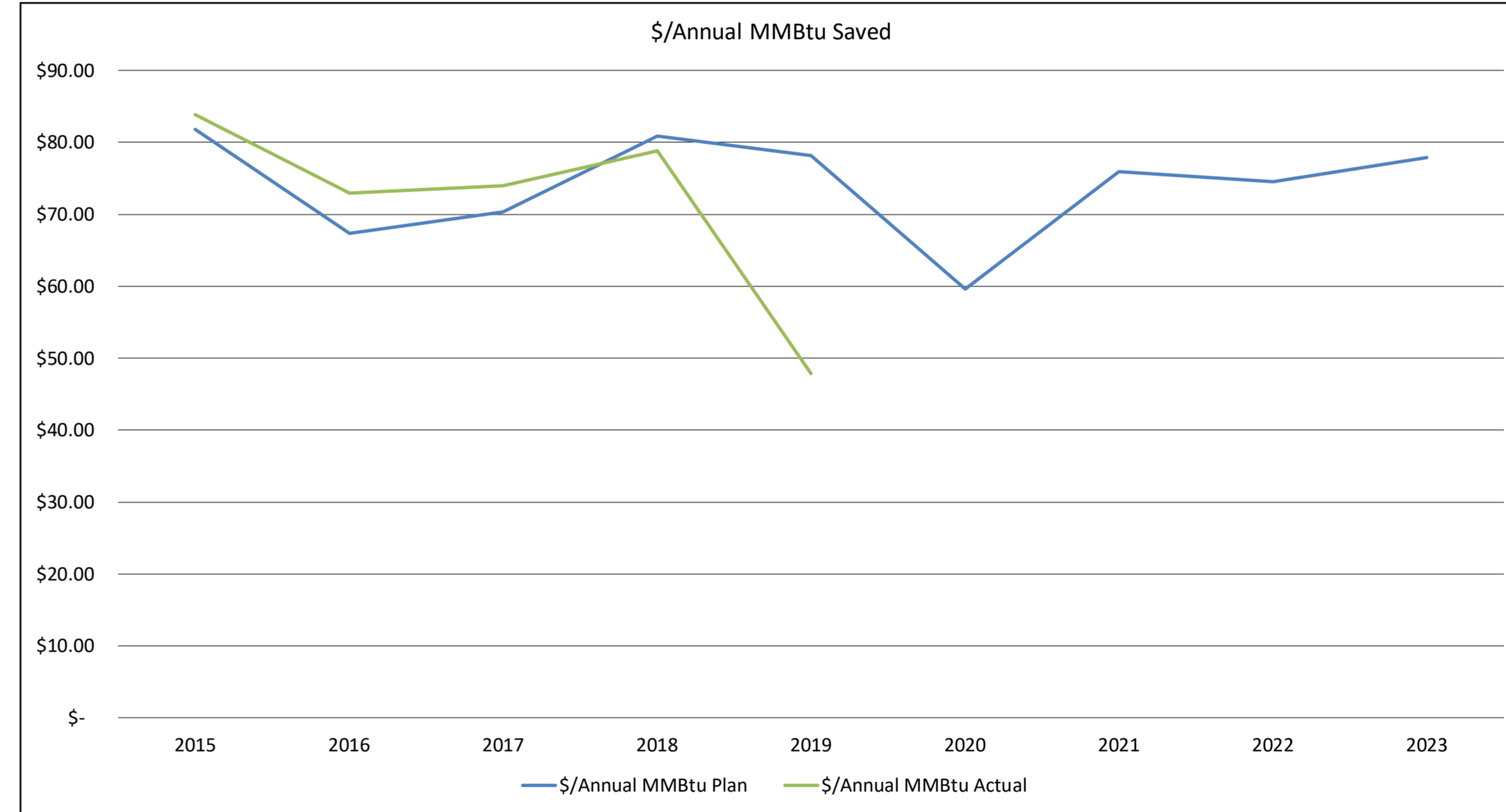
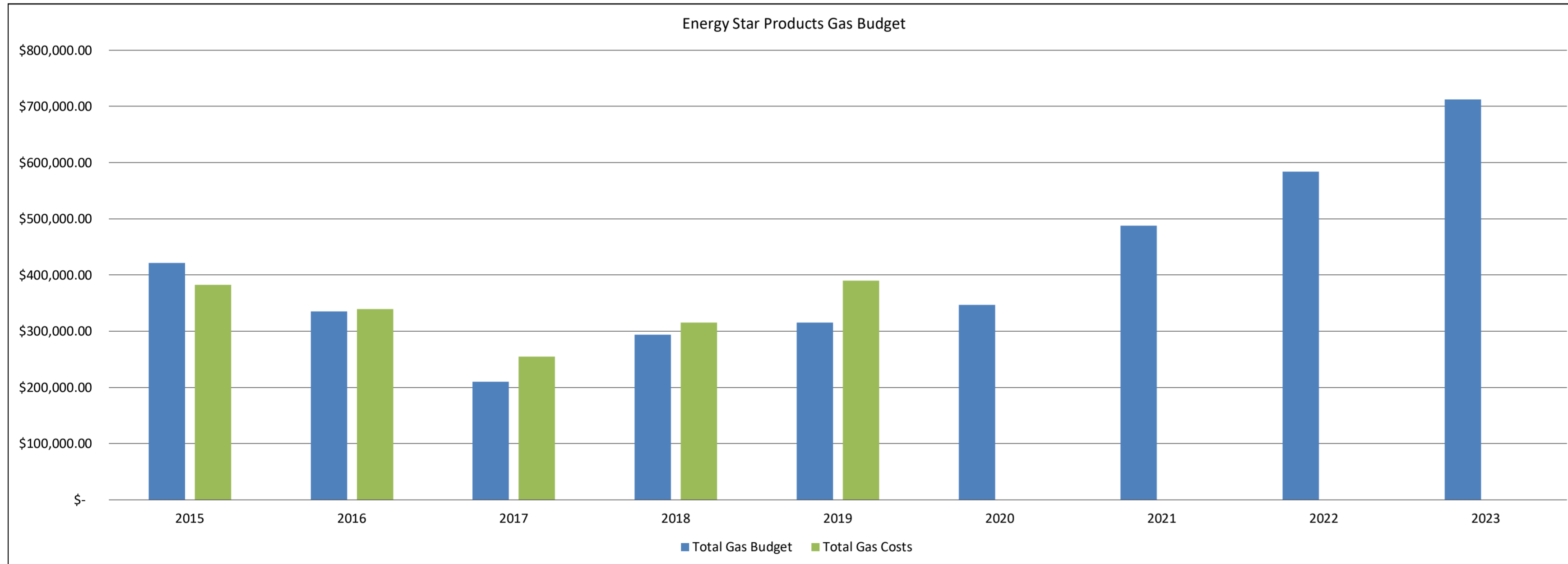
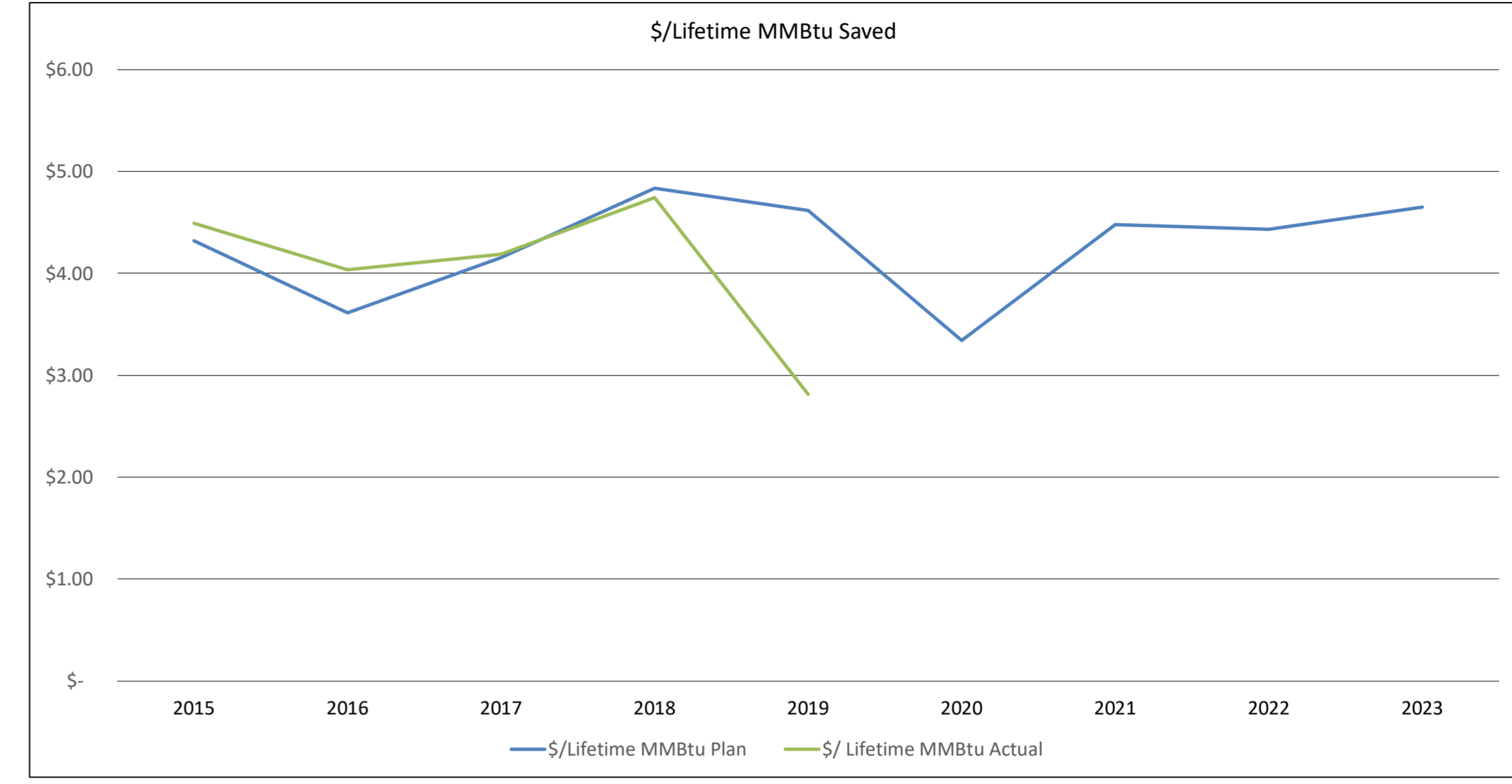
Energy Star Homes

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 80,000.00	\$ 68,750.00	\$ 160,500.00	\$ 174,000.00	\$ 191,400.00	\$ 213,187.00	\$ 307,438.00	\$ 423,477.00	\$ 548,051.55
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ 42,500.00	\$ 7,200.00	\$ 5,443.00	\$ 10,119.24	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 80,000.00	\$ 68,750.00	\$ 160,500.00	\$ 174,000.00	\$ 191,400.00	\$ 213,187.00	\$ 307,438.00	\$ 423,477.00	\$ 548,051.55
	Total Lifetime MMBtu Plan	12,588.69	14,308.80	31,681.50	32,046.00	35,260.00	29,950.00	66,927.50	93,175.00	131,913.33
	\$/Lifetime MMBtu Plan	\$ 6.35	\$ 4.80	\$ 5.07	\$ 5.43	\$ 5.43	\$ 7.12	\$ 4.59	\$ 4.54	\$ 4.15
3)	Total Gas Budget	\$ 80,000.00	\$ 68,750.00	\$ 160,500.00	\$ 174,000.00	\$ 191,400.00	\$ 213,187.00	\$ 307,438.00	\$ 423,477.00	\$ 548,051.55
	Total Annual MMBtu Plan	536.48	610.00	1,276.50	1,312.50	1,440.50	1,506.50	2,748.50	3,825.00	5,524.42
	\$/Annual MMBtu Plan	\$ 149.12	\$ 112.70	\$ 125.73	\$ 132.57	\$ 132.87	\$ 141.51	\$ 111.86	\$ 110.71	\$ 99.21
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 78,324.02	\$ 90,656.30	\$ 170,911.27	\$ 191,400.00	\$ 162,869.30				
	Annual Electric Savings Actual (kWh)	-	-	65.33	9.20	27.45				
2)	Total Gas Costs	\$ 78,324.02	\$ 90,656.30	\$ 170,911.27	\$ 191,400.00	\$ 162,869.30				
	Total Lifetime MMBtu Actual	23,054.30	27,939.00	24,140.00	35,031.00	41,663.42				
	\$/MMBtu Actual	\$ 3.40	\$ 3.24	\$ 7.08	\$ 5.46	\$ 3.91				
3)	Total Gas Costs	\$ 78,324.02	\$ 90,656.30	\$ 170,911.27	\$ 191,400.00	\$ 162,869.30				
	Total Annual MMBtu Actual	1,104.98	1,141.00	979.00	1,436.10	1,706.18				
	\$/Annual MMBtu Actual	\$ 70.88	\$ 79.45	\$ 174.58	\$ 133.28	\$ 95.46				



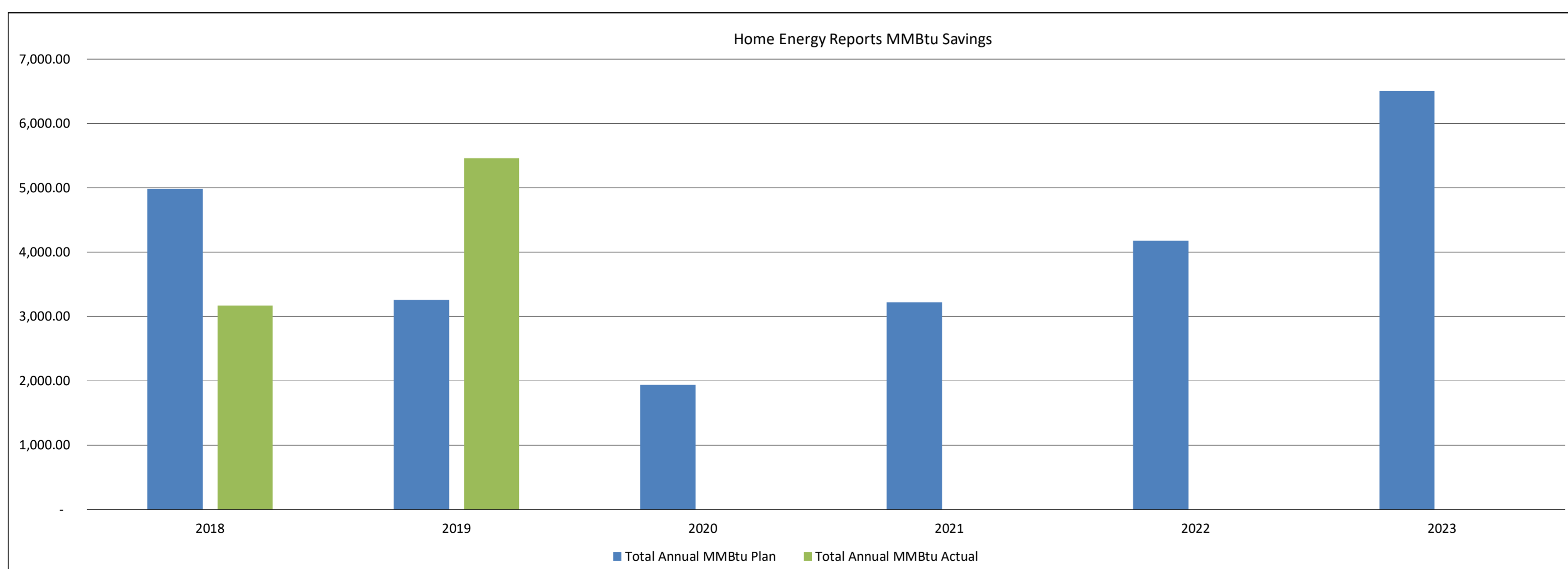
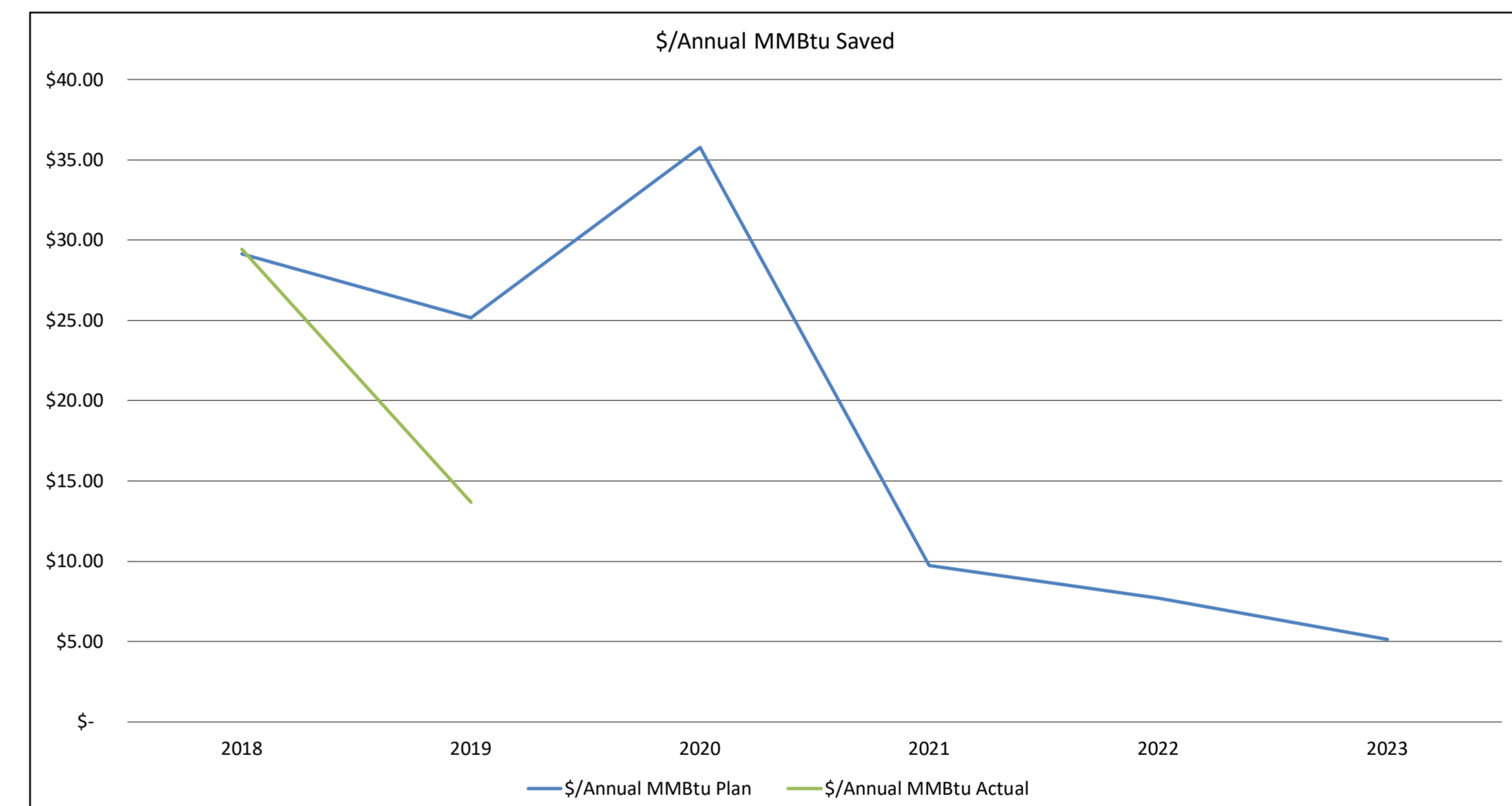
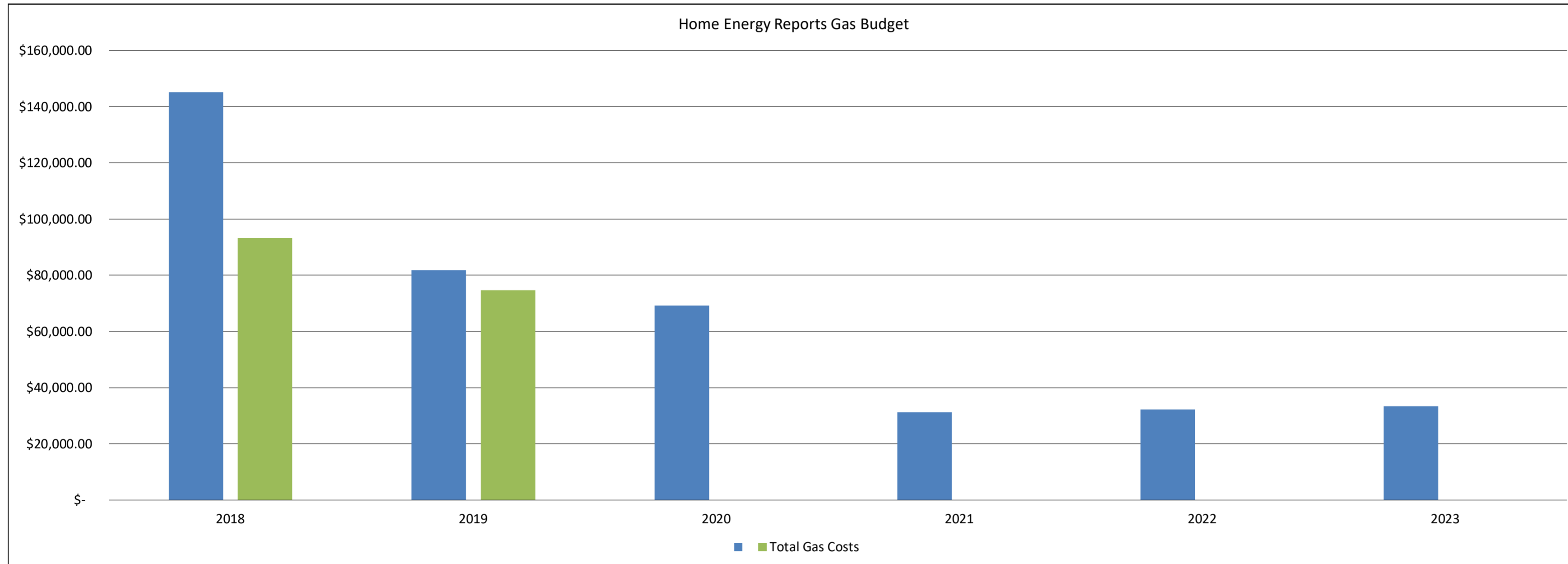
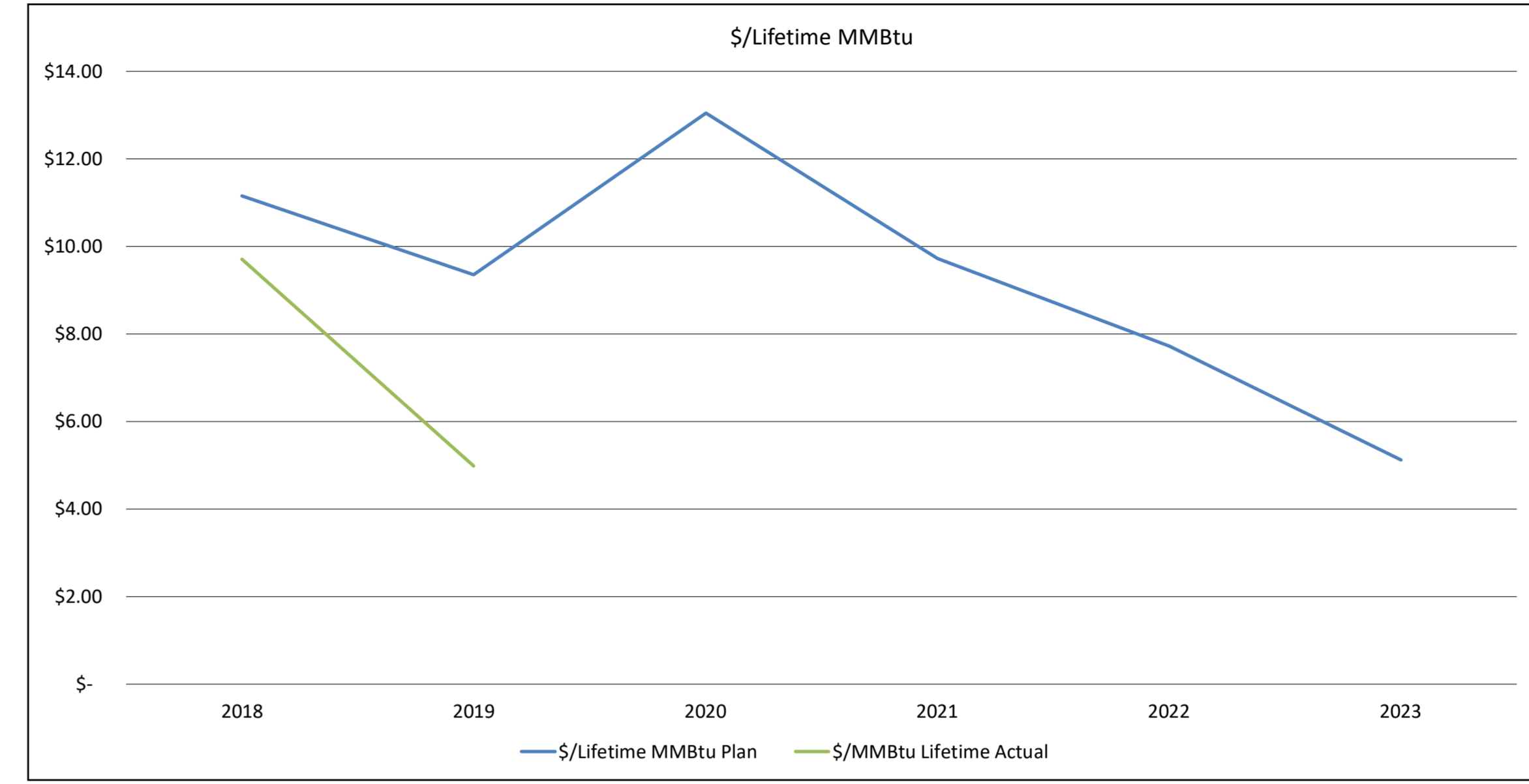
Energy Star Products

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 421,694.96	\$ 335,242.65	\$ 210,000.00	\$ 293,600.00	\$ 315,235.70	\$ 347,114.00	\$ 488,013.00	\$ 583,827.00	\$ 712,320.00
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ 18,500.00	\$ 17,000.00	\$ 22,628.00	\$ 12,455.00	\$ (3,440.00)	\$ (3,870.00)	\$ (4,300.00)
2)	Total Gas Budget	\$ 421,694.96	\$ 335,242.65	\$ 210,000.00	\$ 293,600.00	\$ 315,235.70	\$ 347,114.00	\$ 488,013.00	\$ 583,827.00	\$ 712,320.00
	Total Lifetime MMBtu Plan	\$ 97,573.24	\$ 92,742.44	\$ 50,524.90	\$ 60,691.60	\$ 68,316.20	\$ 103,963.60	\$ 109,021.00	\$ 131,753.18	\$ 153,257.66
	\$/Lifetime MMBtu Plan	\$ 4.32	\$ 3.61	\$ 4.16	\$ 4.84	\$ 4.61	\$ 3.34	\$ 4.48	\$ 4.43	\$ 4.65
3)	Total Gas Budget	\$ 421,694.96	\$ 335,242.65	\$ 210,000.00	\$ 293,600.00	\$ 315,235.70	\$ 347,114.00	\$ 488,013.00	\$ 583,827.00	\$ 712,320.00
	Total Annual MMBtu Plan	\$ 5,157.75	\$ 4,977.47	\$ 2,987.70	\$ 3,629.40	\$ 4,032.40	\$ 5,826.80	\$ 6,427.00	\$ 7,829.43	\$ 9,146.23
	\$/Annual MMBtu Plan	\$ 81.76	\$ 67.35	\$ 70.29	\$ 80.89	\$ 78.18	\$ 59.57	\$ 75.93	\$ 74.57	\$ 77.88
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 382,505.12	\$ 339,472.62	\$ 254,638.91	\$ 315,200.00	\$ 390,115.90				
	Annual Electric Savings Actual (kWh)	\$ -	\$ -	\$ -	\$ -	\$ -				
2)	Total Gas Costs	\$ 382,505.12	\$ 339,472.62	\$ 254,638.91	\$ 315,200.00	\$ 390,115.90				
	Total Lifetime MMBtu Actual	\$ 85,116.50	\$ 84,115.20	\$ 60,838.90	\$ 66,448.60	\$ 138,776.10				
	\$/ Lifetime MMBtu Actual	\$ 4.49	\$ 4.04	\$ 4.19	\$ 4.74	\$ 2.81				
3)	Total Gas Costs	\$ 382,505.12	\$ 339,472.62	\$ 254,638.91	\$ 315,200.00	\$ 390,115.90				
	Total Annual MMBtu Actual	\$ 4,559.70	\$ 4,655.70	\$ 3,444.20	\$ 4,000.80	\$ 8,154.30				
	\$/Annual MMBtu Actual	\$ 83.89	\$ 72.92	\$ 73.93	\$ 78.78	\$ 47.84				



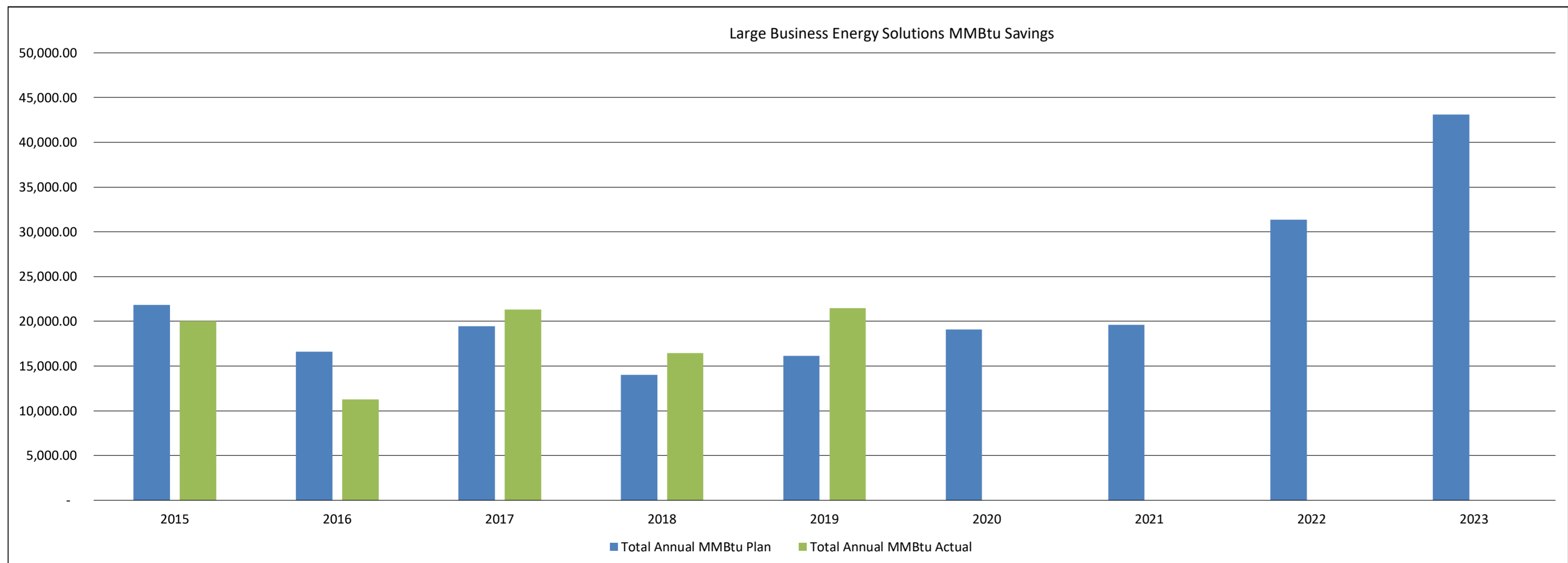
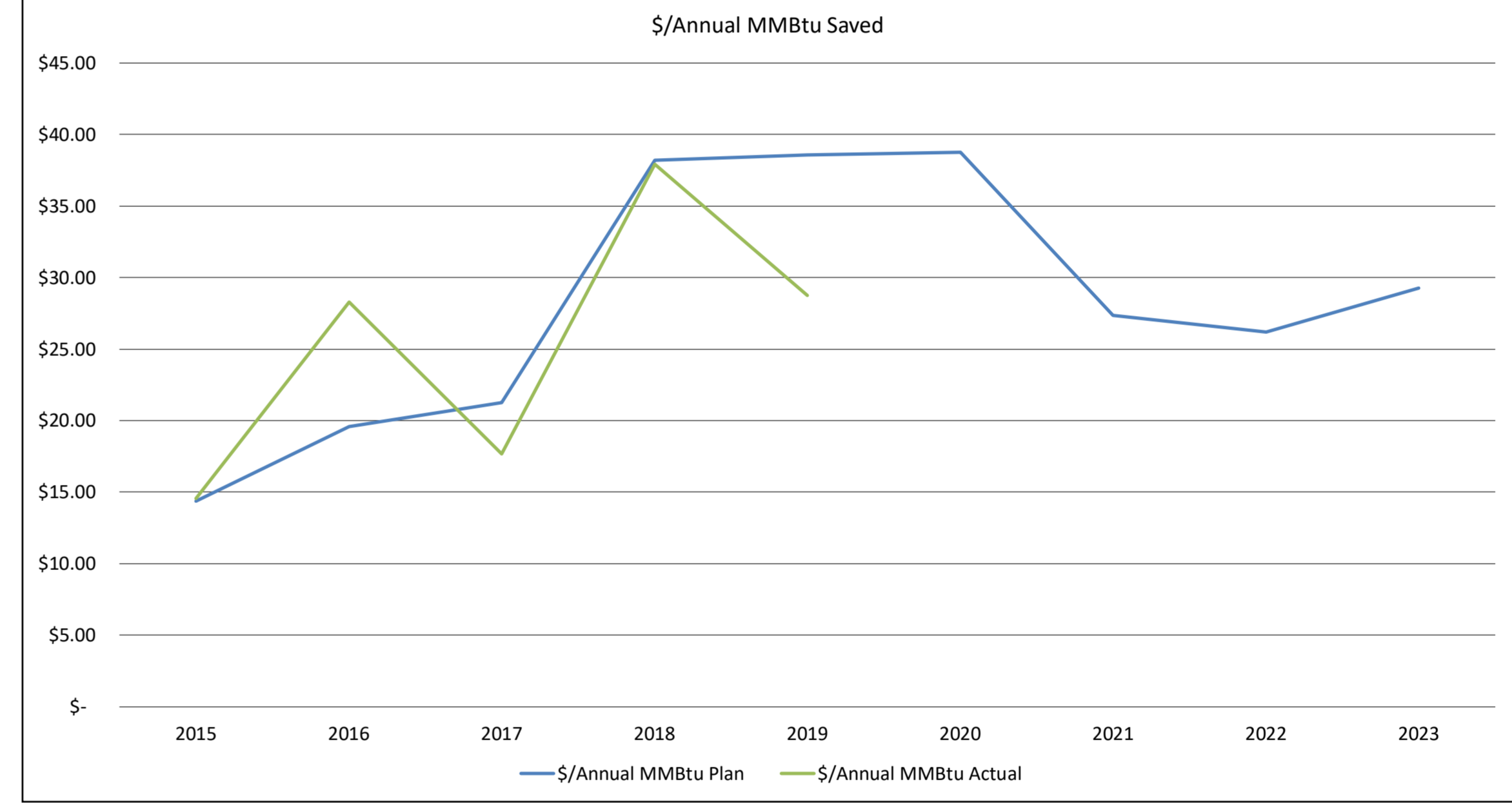
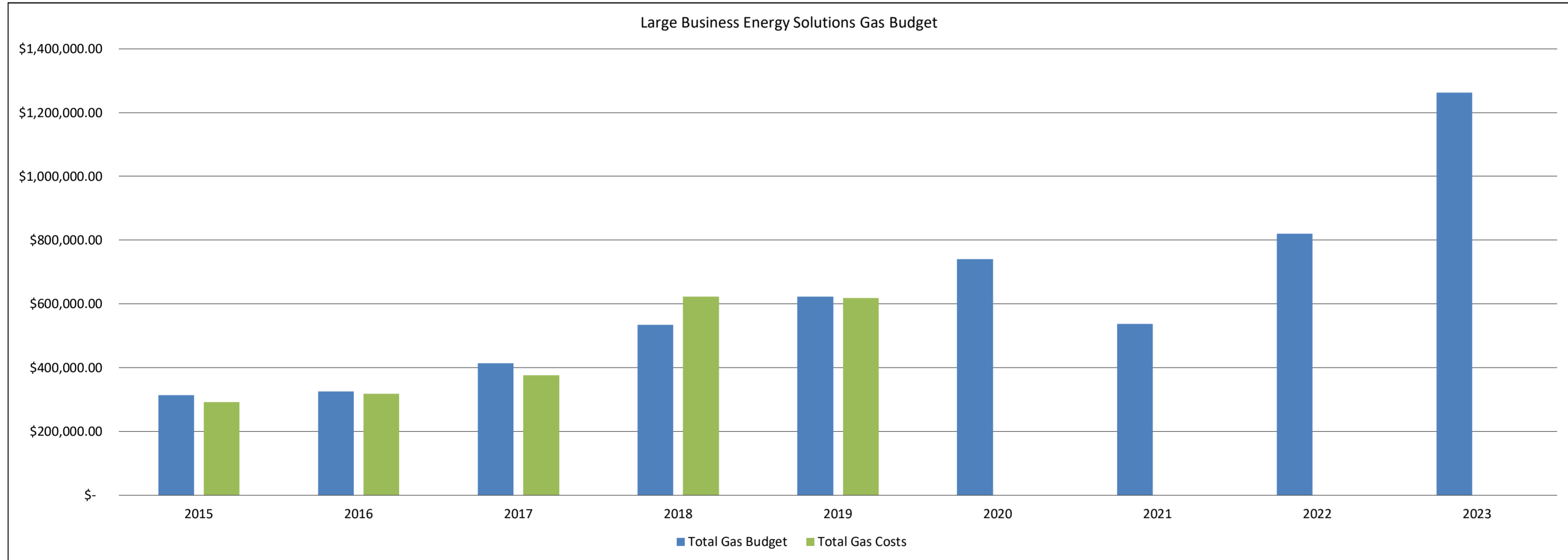
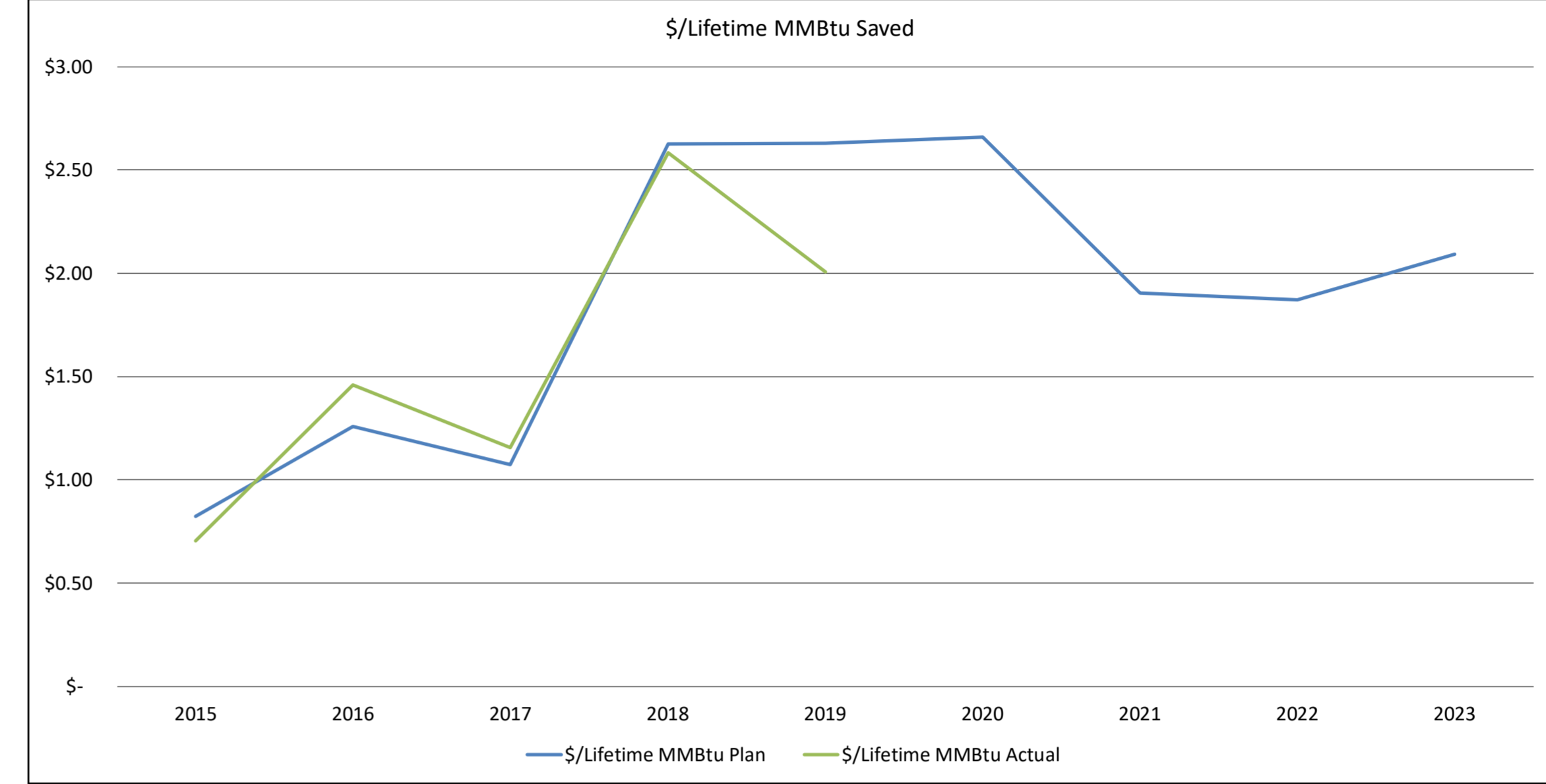
Home Energy Reports

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ -	\$ -	\$ -	\$ 145,100.00	\$ 81,756.00	\$ 69,206.00	\$ 31,300.00	\$ 32,250.00	\$ 33,300.00
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ -	\$ -	\$ -	\$ 145,100.00	\$ 81,756.00	\$ 69,206.00	\$ 31,300.00	\$ 32,250.00	\$ 33,300.00
	Total Lifetime MMBtu Plan	-	-	-	13,010.00	8,745.59	5,304.47	3,221.60	4,177.50	6,500.00
	\$/Lifetime MMBtu Plan	-	-	-	11.15	9.35	13.05	9.72	7.72	5.12
3)	Total Gas Budget	\$ -	\$ -	\$ -	\$ 145,100.00	\$ 81,756.00	\$ 69,206.00	\$ 31,300.00	\$ 32,250.00	\$ 33,300.00
	Total Annual MMBtu Plan	-	-	-	4,980.00	3,252.00	1,934.00	3,221.60	4,177.50	6,500.00
	\$/Annual MMBtu Plan	-	-	-	29.14	25.14	35.78	9.72	7.72	5.12
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ -	\$ -	\$ -	\$ 93,300.00	\$ 74,676.41				
	Annual Electric Savings Actual (kWh)	-	-	-	-	-				
2)	Total Gas Costs	\$ -	\$ -	\$ -	\$ 93,300.00	\$ 74,676.41				
	Total Lifetime MMBtu Actual	-	-	-	9,620.00	14,978.10				
	\$/MMBtu Lifetime Actual	-	-	-	9.70	4.99				
3)	Total Gas Costs	\$ -	\$ -	\$ -	\$ 93,300.00	\$ 74,676.41				
	Total Annual MMBtu Actual	-	-	-	3,170.00	5,461.00				
	\$/Annual MMBtu Actual	-	-	-	29.43	13.67				



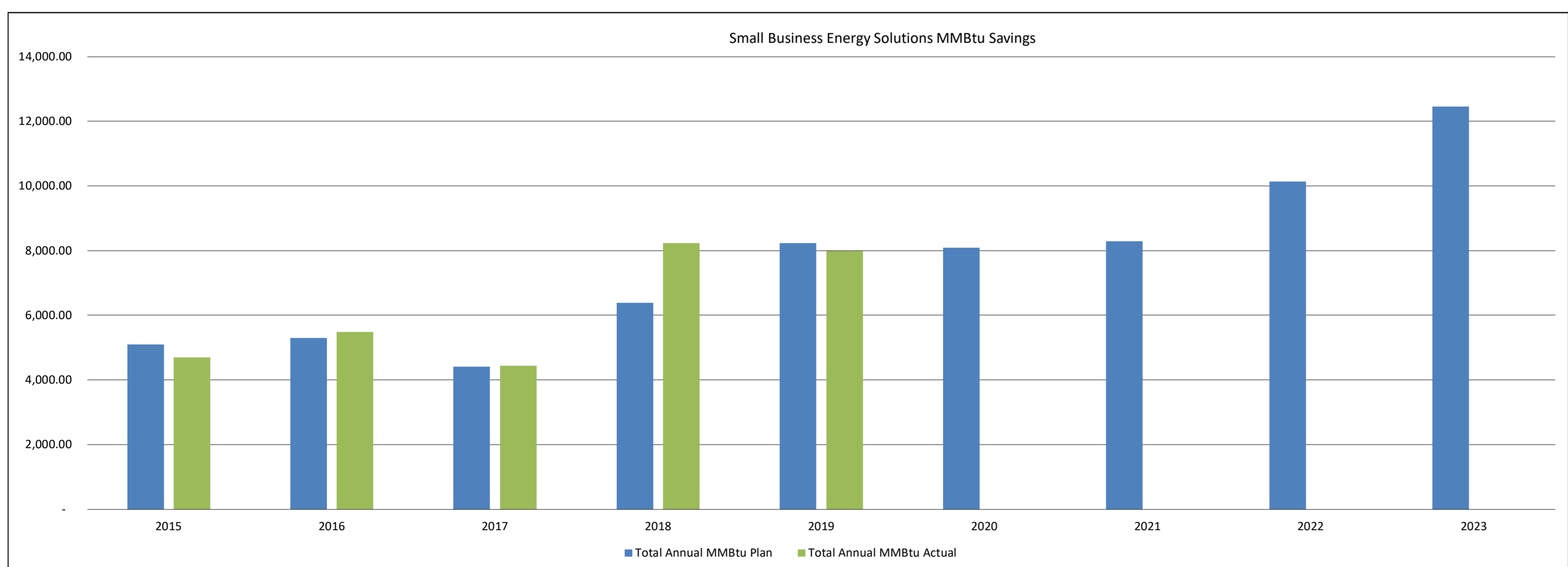
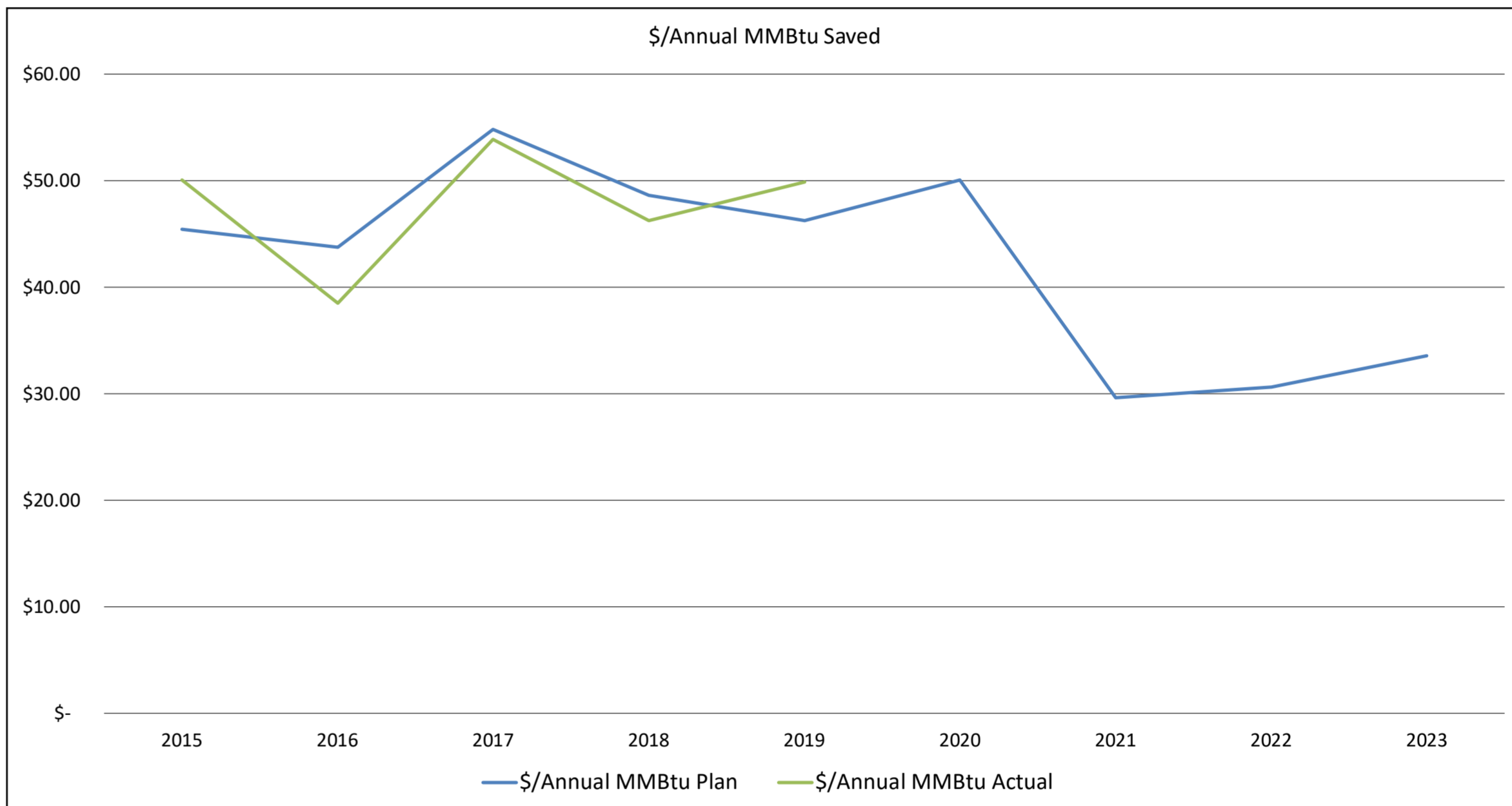
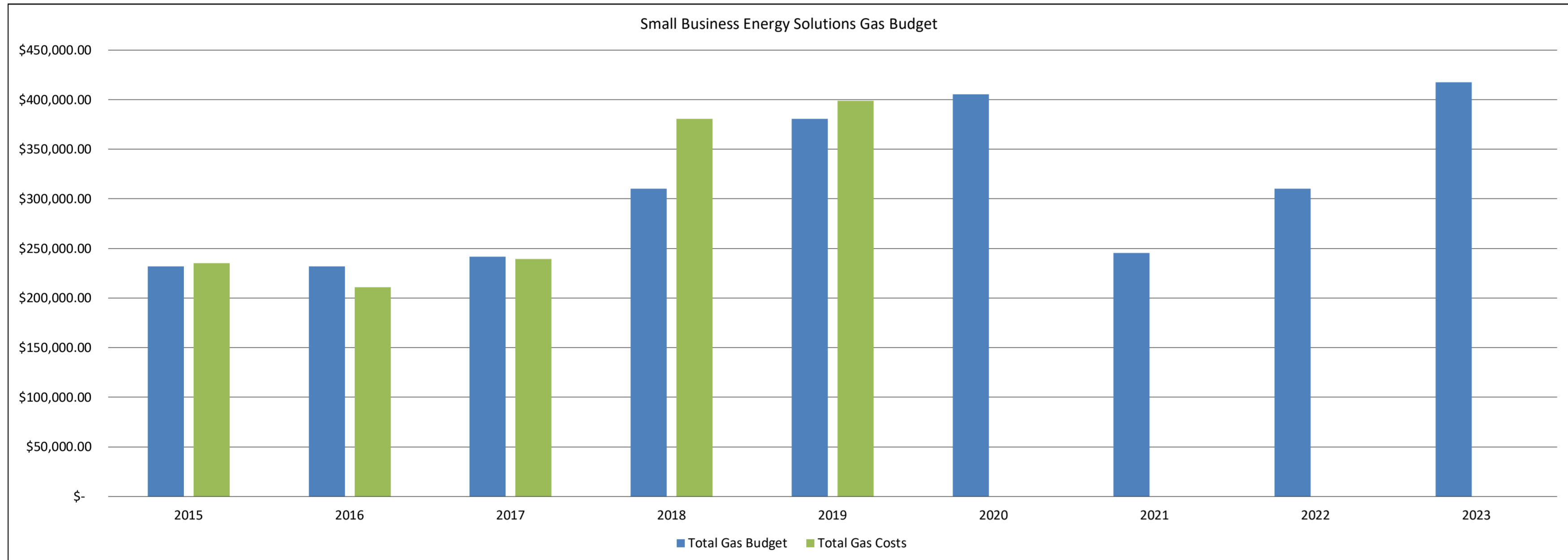
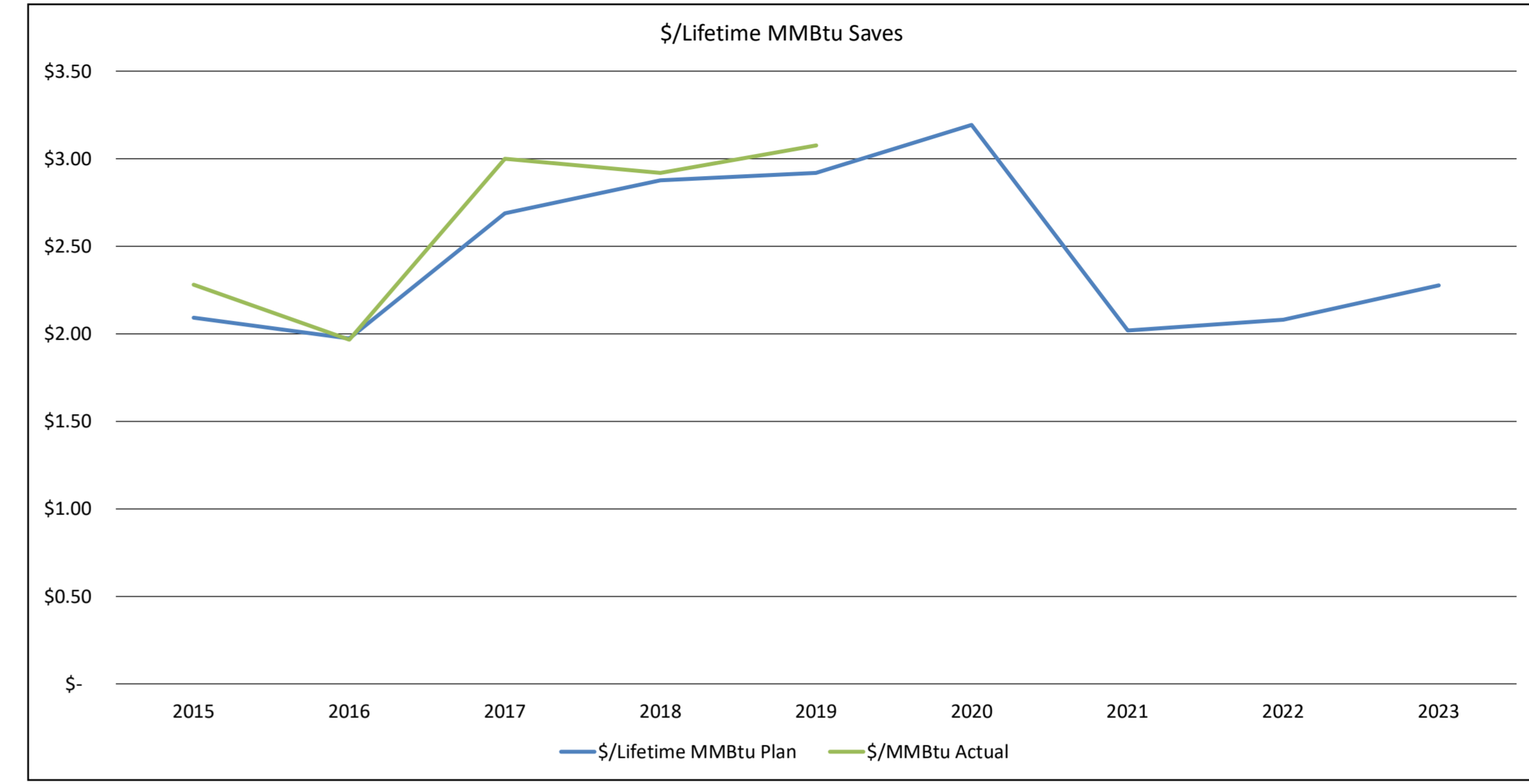
Large Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 313,214.41	\$ 325,307.89	\$ 413,800.00	\$ 535,000.00	\$ 623,034.90	\$ 740,393.00	\$ 536,980.60	\$ 820,534.80	\$ 1,262,746.00
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2)	Total Gas Budget	\$ 313,214.41	\$ 325,307.89	\$ 413,800.00	\$ 535,000.00	\$ 623,034.90	\$ 740,393.00	\$ 536,980.60	\$ 820,534.80	\$ 1,262,746.00
	Total Lifetime MMBtu Plan	381,065.08	258,334.09	385,820.20	203,586.70	236,973.53	278,343.20	281,808.27	438,083.74	603,542.64
	\$/Lifetime MMBtu Plan	\$ 0.82	\$ 1.26	\$ 1.07	\$ 2.63	\$ 2.63	\$ 2.66	\$ 1.91	\$ 1.87	\$ 2.09
3)	Total Gas Budget	\$ 313,214.41	\$ 325,307.89	\$ 413,800.00	\$ 535,000.00	\$ 623,034.90	\$ 740,393.00	\$ 536,980.60	\$ 820,534.80	\$ 1,262,746.00
	Total Annual MMBtu Plan	21,825.29	16,625.84	19,472.30	14,000.20	16,150.29	19,094.24	19,613.19	31,335.63	43,109.61
	\$/Annual MMBtu Plan	\$ 14.35	\$ 19.57	\$ 21.25	\$ 38.21	\$ 38.58	\$ 38.78	\$ 27.38	\$ 26.19	\$ 29.29
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 291,699.33	\$ 318,457.75	\$ 376,625.30	\$ 623,000.00	\$ 618,081.86				
	Annual Electric Savings Actual (kWh)	-	-	-	-	-				
2)	Total Gas Costs	\$ 291,699.33	\$ 318,457.75	\$ 376,625.30	\$ 623,000.00	\$ 618,081.86				
	Total Lifetime MMBtu Actual	414,162.70	218,055.92	325,854.48	241,209.70	307,893.58				
	\$/Lifetime MMBtu Actual	\$ 0.70	\$ 1.46	\$ 1.16	\$ 2.58	\$ 2.01				
3)	Total Gas Costs	\$ 291,699.33	\$ 318,457.75	\$ 376,625.30	\$ 623,000.00	\$ 618,081.86				
	Total Annual MMBtu Actual	20,038.00	11,251.91	21,305.39	16,432.70	21,486.38				
	\$/Annual MMBtu Actual	\$ 14.56	\$ 28.30	\$ 17.68	\$ 37.91	\$ 28.77				



Small Business Energy Solutions

Planned		2015	2016	2017	2018	2019	2020	2021	2022	2023
1)	Total Gas Budget	\$ 231,722.47	\$ 231,722.47	\$ 241,500.00	\$ 310,300.00	\$ 380,546.00	\$ 405,248.00	\$ 245,413.80	\$ 310,213.00	\$ 417,690.25
	Annual Electric Savings Plan (kWh)	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,512.00	\$ 1,905.96	\$ 497.20	\$ 621.50	\$ -
2)	Total Gas Budget	\$ 231,722.47	\$ 231,722.47	\$ 241,500.00	\$ 310,300.00	\$ 380,546.00	\$ 405,248.00	\$ 245,413.80	\$ 310,213.00	\$ 417,690.25
	Total Lifetime MMBtu Plan	110,728.17	117,452.34	89,832.30	107,870.90	130,383.66	126,923.40	121,478.01	149,164.22	183,538.77
	\$/Lifetime MMBtu Plan	\$ 2.09	\$ 1.97	\$ 2.69	\$ 2.88	\$ 2.92	\$ 3.19	\$ 2.02	\$ 2.08	\$ 2.28
3)	Total Gas Budget	\$ 231,722.47	\$ 231,722.47	\$ 241,500.00	\$ 310,300.00	\$ 380,546.00	\$ 405,248.00	\$ 245,413.80	\$ 310,213.00	\$ 417,690.25
	Total Annual MMBtu Plan	5,102.50	5,296.72	4,403.60	6,380.90	8,229.14	8,096.40	8,289.85	10,132.28	12,450.27
	\$/Annual MMBtu Plan	\$ 45.41	\$ 43.75	\$ 54.84	\$ 48.63	\$ 46.24	\$ 50.05	\$ 29.60	\$ 30.62	\$ 33.55
Actuals		2015	2016	2017	2018	2019				
1)	Total Gas Costs	\$ 234,948.98	\$ 210,948.60	\$ 239,187.58	\$ 380,500.00	\$ 398,639.86				
	Annual Electric Savings Actual (kWh)	-	-	-	-	-				
2)	Total Gas Costs	\$ 234,948.98	\$ 210,948.60	\$ 239,187.58	\$ 380,500.00	\$ 398,639.86				
	Total Lifetime MMBtu Actual	103,109.60	107,297.74	79,748.31	130,383.70	129,608.20				
	\$/MMBtu Actual	\$ 2.28	\$ 1.97	\$ 3.00	\$ 2.92	\$ 3.08				
3)	Total Gas Costs	\$ 234,948.98	\$ 210,948.60	\$ 239,187.58	\$ 380,500.00	\$ 398,639.86				
	Total Annual MMBtu Actual	4,694.80	5,482.74	4,439.84	8,229.10	7,988.66				
	\$/Annual MMBtu Actual	\$ 50.04	\$ 38.48	\$ 53.87	\$ 46.24	\$ 49.90				



Northern Utilities, Inc.					
Calculation of Lost Revenue Rate (LRR)					
Line	Sector	Effective			Reference
		November 1, 2020	November 1, 2021	November 1, 2022	
Residential Classes- R5, R6, R10, R11					
1	Sector Ending Balance-October 31	\$ 98,805	\$ (452)	\$ (55)	Page 2, Ln 2
2	Lost Distribution Revenue-November through October	344,524	458,582	604,191	Page 2, Ln 4, Total
3	Interest- November through October	(850)	(2,527)	(3,314)	Page 2, Ln 17, Total
4	Total to be recovered	\$ 442,479	\$ 455,603	\$ 600,821	Line 1 + Line 2 + Line 3
5	Sector Sales - Therms- November through October	<u>20,133,234</u>	<u>20,341,869</u>	<u>20,727,239</u>	Page 2, Line 7
6	Lost Revenue Rate (\$ per therm)	\$0.0220	\$0.0224	\$0.0290	Line 4 / Line 5
Commercial & Industrial Classes-G40/T40, G50/T50, G41/T41, G51/T51, G42/T42, G-52/T52					
7	Sector Ending Balance-October 31	(5,831)	(1,123)	(2,171)	Page 2, Ln 21
8	Lost Distribution Revenue-November through October	\$ 162,437	\$ 211,707	\$ 282,490	Page 2, Ln 24, Total
9	Interest- November through October	\$ (388)	\$ (438)	\$ (542)	Page 2, Ln 37, Total
10	Total to be recovered	\$ 156,217	\$ 210,146	\$ 279,777	Line 7 + Line 8 + Line 9
11	Sector Sales - Therms- November through October	<u>52,446,710</u>	<u>54,440,281</u>	<u>55,734,520</u>	Page 2, Line 27
12	Lost Revenue Rate (\$ per therm)	\$0.0030	\$0.0039	\$0.0050	Line 10 / Line 11

Northern Utilities, Inc.
Lost Revenue Reconciliation
2020

Line	Sector / Description	Unit	Actual Nov-19	Actual Dec-19	Estimate Jan-20	Estimate Feb-20	Estimate Mar-20	Estimate Apr-20	Estimate May-20	Estimate Jun-20	Estimate Jul-20	Estimate Aug-20	Estimate Sep-20	Estimate Oct-20	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ 51,276	\$ 58,859	\$ 47,805	\$ 33,086	\$ 18,072	\$ 8,767	\$ 9,173	\$ 13,589	\$ 27,557	\$ 44,192	\$ 62,340	\$ 80,938	
3	COSTS														
4	Lost Distribution Revenue	\$'s	\$ 20,120	\$ 20,120	\$ 20,348	\$ 20,726	\$ 21,180	\$ 21,709	\$ 19,640	\$ 20,442	\$ 21,310	\$ 21,777	\$ 22,712	\$ 23,380	\$ 253,465
5															
6	REVENUE														
7	Sector Sales	Therms	1,373,589	2,755,471	3,086,303	3,143,380	2,678,854	1,871,517	1,339,252	574,945	418,712	331,195	377,676	505,288	18,456,181
8	Lost Revenue Rate	\$/Therm	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	\$0.0114	
9	Revenue	\$'s	\$ 12,774	\$ 31,411	\$ 35,229	\$ 35,836	\$ 30,539	\$ 21,338	\$ 15,270	\$ 6,554	\$ 4,773	\$ 3,776	\$ 4,306	\$ 5,760	\$ 207,566
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 58,622	\$ 47,568	\$ 32,924	\$ 17,976	\$ 8,713	\$ 9,138	\$ 13,543	\$ 27,477	\$ 44,093	\$ 62,194	\$ 80,747	\$ 98,558	
12															
13	INTEREST														
14	Average Monthly Balance	\$	\$ 54,949	\$ 53,213	\$ 40,364	\$ 25,531	\$ 13,393	\$ 8,952	\$ 11,358	\$ 20,533	\$ 35,825	\$ 53,193	\$ 71,544	\$ 89,748	
15	Interest Rate-WSJ Prime Rate	Annual %	5.25%	5.25%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	29	31	30	31	30	31	31	30	31	366
17	Computed Interest	\$'s	\$ 237	\$ 237	\$ 162	\$ 96	\$ 54	\$ 35	\$ 46	\$ 80	\$ 99	\$ 146	\$ 191	\$ 247	\$ 1,630
18															
19	Ending Balance	\$'s	\$ 58,859	\$ 47,805	\$ 33,086	\$ 18,072	\$ 8,767	\$ 9,173	\$ 13,589	\$ 27,557	\$ 44,192	\$ 62,340	\$ 80,938	\$ 98,805	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (27,418)	\$ (24,343)	\$ (25,195)	\$ (27,303)	\$ (29,281)	\$ (29,268)	\$ (25,626)	\$ (24,861)	\$ (21,939)	\$ (18,150)	\$ (13,999)	\$ (9,598)	
22															
23	COSTS														
24	Lost Distribution Revenue	\$'s	\$ 11,295	\$ 11,413	\$ 11,624	\$ 11,804	\$ 12,075	\$ 12,391	\$ 7,558	\$ 7,694	\$ 7,884	\$ 8,183	\$ 8,509	\$ 8,862	\$ 119,293
25															
26	REVENUE														
27	Sector Sales	Therms	4,571,040	6,397,368	7,174,996	7,197,471	6,286,658	4,548,589	3,522,410	2,463,920	2,125,963	2,099,142	2,145,572	2,670,168	51,203,298
28	Lost Revenue Rate	\$/Therm	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
29	Revenue	\$'s	\$ 8,108	\$ 12,155	\$ 13,627	\$ 13,675	\$ 11,945	\$ 8,643	\$ 6,692	\$ 4,682	\$ 4,039	\$ 3,988	\$ 4,077	\$ 5,073	\$ 96,704
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ (24,231)	\$ (25,084)	\$ (27,198)	\$ (29,175)	\$ (29,151)	\$ (25,519)	\$ (24,760)	\$ (21,849)	\$ (18,095)	\$ (13,955)	\$ (9,567)	\$ (5,810)	
32															
33	INTEREST														
34	Average Monthly Balance	\$	\$ (25,825)	\$ (24,714)	\$ (26,196)	\$ (28,239)	\$ (29,216)	\$ (27,394)	\$ (25,193)	\$ (23,355)	\$ (20,017)	\$ (16,052)	\$ (11,783)	\$ (7,704)	
35	Interest Rate-WSJ Prime Rate	Annual %	5.25%	5.25%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	3.25%	3.25%	3.25%	3.25%	
36	Days per Month		30	31	31	29	31	30	31	30	31	31	30	31	366
37	Computed Interest	\$'s	\$ (111)	\$ (110)	\$ (105)	\$ (106)	\$ (118)	\$ (107)	\$ (101)	\$ (91)	\$ (55)	\$ (44)	\$ (31)	\$ (21)	\$ (1,002)
38															
39	Ending Balance	\$'s	\$ (24,343)	\$ (25,195)	\$ (27,303)	\$ (29,281)	\$ (29,268)	\$ (25,626)	\$ (24,861)	\$ (21,939)	\$ (18,150)	\$ (13,999)	\$ (9,598)	\$ (5,831)	

NOTES:

Line 1: DE 17-136 2019 Annual Report
Line 4: Page 3, Line 7
Line 21: DE 17-136 2019 Annual Report
Line 24: Page 3, Line 11

Northern Utilities, Inc.
Lost Revenue Reconciliation
2021

Line	Sector / Description	Unit	Estimate Nov-20	Estimate Dec-20	Estimate Jan-21	Estimate Feb-21	Estimate Mar-21	Estimate Apr-21	Estimate May-21	Estimate Jun-21	Estimate Jul-21	Estimate Aug-21	Estimate Sep-21	Estimate Oct-21	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ 98,805	\$ 93,400	\$ 60,767	\$ 14,588	\$ (39,942)	\$ (80,803)	\$ (98,360)	\$ (98,527)	\$ (84,693)	\$ (64,811)	\$ (42,951)	\$ (20,662)	
3	COSTS														
4	Lost Distribution Revenue	\$'s	\$ 27,078	\$ 27,683	\$ 27,963	\$ 28,432	\$ 28,993	\$ 29,649	\$ 26,764	\$ 27,757	\$ 28,832	\$ 29,410	\$ 30,568	\$ 31,395	\$344,524
5															
6	REVENUE														
7	Sector Sales	Therms	1,488,092	2,751,261	3,374,845	3,769,530	3,167,624	2,134,862	1,211,836	621,702	397,455	336,440	372,462	507,126	20,133,234
8	Lost Revenue Rate	\$/Therm	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	
9	Revenue	\$'s	\$ 32,738	\$ 60,528	\$ 74,247	\$ 82,930	\$ 69,688	\$ 46,967	\$ 26,660	\$ 13,677	\$ 8,744	\$ 7,402	\$ 8,194	\$ 11,157	442,931
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 93,144	\$ 60,555	\$ 14,484	\$ (39,910)	\$ (80,636)	\$ (98,121)	\$ (98,256)	\$ (84,448)	\$ (64,605)	\$ (42,802)	\$ (20,577)	\$ (423)	
12															
13	INTEREST														
14	Average Monthly Balance	\$	\$ 95,975	\$ 76,978	\$ 37,625	\$ (12,661)	\$ (60,289)	\$ (89,462)	\$ (98,308)	\$ (91,488)	\$ (74,649)	\$ (53,807)	\$ (31,764)	\$ (10,543)	
15	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
17	Computed Interest	\$'s	\$ 256	\$ 212	\$ 104	\$ (32)	\$ (166)	\$ (239)	\$ (271)	\$ (244)	\$ (206)	\$ (149)	\$ (85)	\$ (29)	\$ (850)
18															
19	Ending Balance	\$'s	\$ 93,400	\$ 60,767	\$ 14,588	\$ (39,942)	\$ (80,803)	\$ (98,360)	\$ (98,527)	\$ (84,693)	\$ (64,811)	\$ (42,951)	\$ (20,662)	\$ (452)	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (5,831)	\$ (3,380)	\$ (5,094)	\$ (10,471)	\$ (17,100)	\$ (21,336)	\$ (19,648)	\$ (20,061)	\$ (17,081)	\$ (13,036)	\$ (8,793)	\$ (4,332)	
22															
23	COSTS														
24	Lost Distribution Revenue	\$'s	\$ 15,282	\$ 15,960	\$ 16,145	\$ 16,331	\$ 16,609	\$ 16,933	\$ 10,292	\$ 10,431	\$ 10,626	\$ 10,933	\$ 11,267	\$ 11,629	162,437
25															
26	REVENUE														
27	Sector Sales	Therms	4,273,046	5,887,088	7,167,043	7,641,797	6,930,321	5,063,577	3,549,981	2,467,336	2,179,685	2,219,780	2,262,857	2,804,200	52,446,710
28	Lost Revenue Rate	\$/Therm	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	
29	Revenue	\$'s	\$ 12,819	\$ 17,661	\$ 21,501	\$ 22,925	\$ 20,791	\$ 15,191	\$ 10,650	\$ 7,402	\$ 6,539	\$ 6,659	\$ 6,789	\$ 8,413	157,340
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ (3,368)	\$ (5,082)	\$ (10,450)	\$ (17,066)	\$ (21,283)	\$ (19,593)	\$ (20,006)	\$ (17,032)	\$ (12,994)	\$ (8,763)	\$ (4,314)	\$ (1,115)	
32															
33	INTEREST														
34	Average Monthly Balance	\$	\$ (4,600)	\$ (4,231)	\$ (7,772)	\$ (13,768)	\$ (19,191)	\$ (20,464)	\$ (19,827)	\$ (18,546)	\$ (15,038)	\$ (10,899)	\$ (6,554)	\$ (2,724)	
35	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
36	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
37	Computed Interest	\$'s	\$ (12)	\$ (12)	\$ (21)	\$ (34)	\$ (53)	\$ (55)	\$ (55)	\$ (50)	\$ (42)	\$ (30)	\$ (18)	\$ (8)	\$ (388)
38															
39	Ending Balance	\$'s	\$ (3,380)	\$ (5,094)	\$ (10,471)	\$ (17,100)	\$ (21,336)	\$ (19,648)	\$ (20,061)	\$ (17,081)	\$ (13,036)	\$ (8,793)	\$ (4,332)	\$ (1,123)	

NOTES:

- Line 1: Page 2, Line 19
- Line 4: Page 3a, Line 7
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Northern Utilities, Inc.
Lost Revenue Reconciliation
2022

Line	Sector / Description	Unit	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	Estimate Feb-22	Estimate Mar-22	Estimate Apr-22	Estimate May-22	Estimate Jun-22	Estimate Jul-22	Estimate Aug-22	Estimate Sep-22	Estimate Oct-22	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ (452)	\$ 1,361	\$ (23,579)	\$ (61,594)	\$ (108,923)	\$ (142,508)	\$ (150,961)	\$ (143,405)	\$ (121,509)	\$ (92,583)	\$ (61,583)	\$ (29,880)	
3	COSTS														
4	Lost Distribution Revenue	\$'s	\$ 36,297	\$ 37,046	\$ 37,400	\$ 37,990	\$ 38,697	\$ 39,523	\$ 35,636	\$ 36,886	\$ 38,240	\$ 38,970	\$ 40,428	\$ 41,470	\$458,582
5															
6	REVENUE														
7	Sector Sales	Therms	1,539,490	2,765,843	3,361,516	3,799,359	3,211,440	2,124,312	1,235,437	653,425	402,658	346,257	384,100	518,031	20,341,869
8	Lost Revenue Rate	\$/Therm	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	\$0.0224	
9	Revenue	\$'s	\$ 34,485	\$ 61,955	\$ 75,298	\$ 85,106	\$ 71,936	\$ 47,585	\$ 27,674	\$ 14,637	\$ 9,020	\$ 7,756	\$ 8,604	\$ 11,604	455,658
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 1,360	\$ (23,548)	\$ (61,477)	\$ (108,710)	\$ (142,161)	\$ (150,569)	\$ (142,999)	\$ (121,156)	\$ (92,288)	\$ (61,370)	\$ (29,758)	\$ (14)	
12															
13	INTEREST														
14	Average Monthly Balance	\$	\$ 454	\$ (11,094)	\$ (42,528)	\$ (85,152)	\$ (125,542)	\$ (146,539)	\$ (146,980)	\$ (132,280)	\$ (106,899)	\$ (76,977)	\$ (45,670)	\$ (14,947)	
15	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
17	Computed Interest	\$'s	\$ 1	\$ (31)	\$ (117)	\$ (212)	\$ (347)	\$ (391)	\$ (406)	\$ (353)	\$ (295)	\$ (212)	\$ (122)	\$ (41)	\$ (2,527)
18															
19	Ending Balance	\$'s	\$ 1,361	\$ (23,579)	\$ (61,594)	\$ (108,923)	\$ (142,508)	\$ (150,961)	\$ (143,405)	\$ (121,509)	\$ (92,583)	\$ (61,583)	\$ (29,880)	\$ (55)	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (1,123)	\$ 1,377	\$ (1,560)	\$ (9,297)	\$ (18,875)	\$ (25,492)	\$ (24,052)	\$ (25,381)	\$ (22,000)	\$ (17,138)	\$ (11,846)	\$ (6,203)	
22															
23	COSTS														
24	Lost Distribution Revenue	\$'s	\$ 19,900	\$ 20,595	\$ 20,870	\$ 21,146	\$ 21,559	\$ 22,041	\$ 13,417	\$ 13,624	\$ 13,914	\$ 14,369	\$ 14,866	\$ 15,405	211,707
25															
26	REVENUE														
27	Sector Sales	Therms	4,461,453	6,033,757	7,331,503	7,868,875	7,209,005	5,265,433	3,763,681	2,610,132	2,307,251	2,317,233	2,358,947	2,913,010	54,440,281
28	Lost Revenue Rate	\$/Therm	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	\$0.0039	
29	Revenue	\$'s	\$ 17,400	\$ 23,532	\$ 28,593	\$ 30,689	\$ 28,115	\$ 20,535	\$ 14,678	\$ 10,180	\$ 8,998	\$ 9,037	\$ 9,200	\$ 11,361	212,317
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ 1,377	\$ (1,559)	\$ (9,282)	\$ (18,840)	\$ (25,431)	\$ (23,986)	\$ (25,313)	\$ (21,937)	\$ (17,084)	\$ (11,806)	\$ (6,179)	\$ (2,159)	
32															
33	INTEREST														
34	Average Monthly Balance	\$	\$ 127	\$ (91)	\$ (5,421)	\$ (14,068)	\$ (22,153)	\$ (24,739)	\$ (24,682)	\$ (23,659)	\$ (19,542)	\$ (14,472)	\$ (9,013)	\$ (4,181)	
35	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
36	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	Total 365
37	Computed Interest	\$'s	\$ 0	\$ (0)	\$ (15)	\$ (35)	\$ (61)	\$ (66)	\$ (68)	\$ (63)	\$ (54)	\$ (40)	\$ (24)	\$ (12)	\$ (438)
38															
39	Ending Balance	\$'s	\$ 1,377	\$ (1,560)	\$ (9,297)	\$ (18,875)	\$ (25,492)	\$ (24,052)	\$ (25,381)	\$ (22,000)	\$ (17,138)	\$ (11,846)	\$ (6,203)	\$ (2,171)	

NOTES:

- Line 1: Page 2a, Line 19
- Line 4: Page 3b, Line 7
- Line 21: Page 2a, Line 39
- Line 24: Page 3b, Line 11

Northern Utilities, Inc.
Lost Revenue Reconciliation
2023

Line	Sector / Description	Unit	Estimate Nov-22	Estimate Dec-22	Estimate Jan-23	Estimate Feb-23	Estimate Mar-23	Estimate Apr-23	Estimate May-23	Estimate Jun-23	Estimate Jul-23	Estimate Aug-23	Estimate Sep-23	Estimate Oct-23	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ (55)	\$ 2,206	\$ (31,015)	\$ (80,930)	\$ (141,611)	\$ (186,291)	\$ (198,289)	\$ (188,551)	\$ (159,817)	\$ (121,832)	\$ (81,065)	\$ (39,385)	
3	COSTS														
4	Lost Distribution Revenue	\$'s	\$ 47,899	\$ 48,843	\$ 49,305	\$ 50,076	\$ 51,001	\$ 52,081	\$ 46,950	\$ 48,584	\$ 50,354	\$ 51,308	\$ 53,214	\$ 54,576	\$604,191
5															
6	REVENUE														
7	Sector Sales	Therms	1,573,826	2,828,417	3,416,061	3,809,640	3,283,798	2,191,915	1,264,781	668,473	413,139	353,796	392,198	531,196	20,727,239
8	Lost Revenue Rate	\$/Therm	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	<u>\$0.0290</u>	
9	Revenue	\$'s	\$ 45,641	\$ 82,024	\$ 99,066	\$ 110,480	\$ 95,230	\$ 63,566	\$ 36,679	\$ 19,386	\$ 11,981	\$ 10,260	\$ 11,374	\$ 15,405	601,090
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 2,203	\$ (30,976)	\$ (80,776)	\$ (141,334)	\$ (185,839)	\$ (197,776)	\$ (188,018)	\$ (159,353)	\$ (121,444)	\$ (80,785)	\$ (39,224)	\$ (214)	
12															
13	INTEREST														
14	Average Monthly Balance	\$	1,074	(14,385)	(55,896)	(111,132)	(163,725)	(192,034)	(193,154)	(173,952)	(140,631)	(101,309)	(60,144)	(19,799)	
15	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
17	Computed Interest	\$'s	\$ 3	\$ (40)	\$ (154)	\$ (277)	\$ (452)	\$ (513)	\$ (533)	\$ (465)	\$ (388)	\$ (280)	\$ (161)	\$ (55)	\$ (3,314)
18															
19	Ending Balance	\$'s	\$ 2,206	\$ (31,015)	\$ (80,930)	\$ (141,611)	\$ (186,291)	\$ (198,289)	\$ (188,551)	\$ (159,817)	\$ (121,832)	\$ (81,065)	\$ (39,385)	\$ (269)	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (2,171)	\$ 1,168	\$ (2,814)	\$ (12,710)	\$ (24,710)	\$ (33,178)	\$ (30,910)	\$ (32,131)	\$ (27,193)	\$ (20,255)	\$ (12,779)	\$ (4,797)	
22															
23	COSTS														
24	Lost Distribution Revenue	\$'s	\$ 26,450	\$ 27,483	\$ 27,852	\$ 28,222	\$ 28,775	\$ 29,421	\$ 17,910	\$ 18,188	\$ 18,576	\$ 19,186	\$ 19,852	\$ 20,574	282,490
25															
26	REVENUE														
27	Sector Sales	Therms	4,621,894	6,292,648	7,545,388	8,035,087	7,432,800	5,413,466	3,808,871	2,634,146	2,314,395	2,332,967	2,369,358	2,933,500	55,734,520
28	Lost Revenue Rate	\$/Therm	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	<u>\$0.0050</u>	
29	Revenue	\$'s	\$ 23,109	\$ 31,463	\$ 37,727	\$ 40,175	\$ 37,164	\$ 27,067	\$ 19,044	\$ 13,171	\$ 11,572	\$ 11,665	\$ 11,847	\$ 14,667	278,673
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ 1,170	\$ (2,812)	\$ (12,688)	\$ (24,664)	\$ (33,099)	\$ (30,824)	\$ (32,044)	\$ (27,114)	\$ (20,189)	\$ (12,733)	\$ (4,773)	\$ 1,109	
32															
33	INTEREST														
34	Average Monthly Balance	\$	(501)	(822)	(7,751)	(18,687)	(28,904)	(32,001)	(31,477)	(29,622)	(23,691)	(16,494)	(8,776)	(1,844)	
35	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
36	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	Total 365
37	Computed Interest	\$'s	\$ (1)	\$ (2)	\$ (21)	\$ (47)	\$ (80)	\$ (85)	\$ (87)	\$ (79)	\$ (65)	\$ (46)	\$ (23)	\$ (5)	\$ (542)
38															
39	Ending Balance	\$'s	\$ 1,168	\$ (2,814)	\$ (12,710)	\$ (24,710)	\$ (33,178)	\$ (30,910)	\$ (32,131)	\$ (27,193)	\$ (20,255)	\$ (12,779)	\$ (4,797)	\$ 1,104	

Line 1: Page 2b, Line 19
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 Line 24: Page 3c, Line 11

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2019 to October 31, 2020

Northern Utilities Inc.
 NHPUC Docket No. 20-092
 Attachment J5 - (2021 - 2023 Plan)
 Page 3 of 6

Line	Description	10/31/2019	Actual	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Period
		Col. B	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Col. O	
1	Residential Annualized Savings	349,140	-	-	3,936	6,560	7,872	9,184	9,184	15,745	17,057	9,184	18,369	13,121		110,213
2	C&I Annualized Savings	616,273	65,423	7,159	10,876	10,876	16,314	19,033	10,876	13,595	19,033	29,910	32,629	35,348		271,073
3	Total		65,423	7,159	14,812	17,437	24,187	28,218	20,061	29,340	36,090	39,094	50,998	48,468		381,286
			Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20		Period LBR
4	Monthly Residential Savings		-	-	328	547	656	765	765	1,312	1,421	765	1,531	1,093		9,184
5	Cumulative Residential Savings	29,095	29,095	29,095	29,423	29,970	30,626	31,391	32,156	33,468	34,890	35,655	37,186	38,279		391,235
6	Average Residential Distribution Rate		0.6915	0.6915	0.6916	0.6916	0.6916	0.6916	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108		
7	Lost Residential Revenue		\$ 20,120	\$ 20,120	\$ 20,348	\$ 20,726	\$ 21,180	\$ 21,709	\$ 19,640	\$ 20,442	\$ 21,310	\$ 21,777	\$ 22,712	\$ 23,380		253,465
8	Monthly C&I Savings		5,452	597	906	906	1,360	1,586	906	1,133	1,586	2,492	2,719	2,946		22,589
9	Cumulative C&I Savings	51,356	56,808	57,405	58,311	59,217	60,577	62,163	63,069	64,202	65,788	68,281	71,000	73,946		760,767
10	Average C&I Distribution Rate		0.1988	0.1988	0.1993	0.1993	0.1993	0.1993	0.1198	0.1198	0.1198	0.1198	0.1198	0.1198		
11	Lost C&I Revenue		\$ 11,295	\$ 11,413	\$ 11,624	\$ 11,804	\$ 12,075	\$ 12,391	\$ 7,558	\$ 7,694	\$ 7,884	\$ 8,183	\$ 8,509	\$ 8,862		119,293
12	Total Lost Revenue		\$ 31,414	\$ 31,533	\$ 31,972	\$ 32,530	\$ 33,255	\$ 34,100	\$ 27,199	\$ 28,136	\$ 29,194	\$ 29,960	\$ 31,221	\$ 32,242		372,758

- Line 1: Page 4, Line 15
- Line 1: Page 4, Line 21
- Line 3: Line 1 + Line 2
- Line 4: Line 1 / 12
- Line 5: Prior Month Line 5 + Current Month Line 4
- Line 6: Page 5, Line 30, Col. 3; Page 5, Line 30, Col. 3
- Line 7: Line 5 x Line 6
- Line 8: Line 2 / 12
- Line 9: Prior Month Line 9 + Current Month Line 8
- Line 10: Page 5, Line 37, Col. 3; Page 5, Line 52, Col. 3
- Line 11: Line 9 x Line 10
- Line 12: Line 7 + Line 11

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2020 to October 31, 2021

Northern Utilities Inc.
 NHPUC Docket No. 20-092
 Attachment J5 - (2021 - 2023 Plan)
 Page 3a of 6

Line	Description	10/31/2020	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Period
		Col. B	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Col. O	Annual Savings
1	Residential Annualized Savings	459,352	10,496	10,496	4,874	8,124	9,748	11,373	11,373	19,497	21,121	11,373	22,746	16,247		157,469
2	C&I Annualized Savings	887,347	32,629	40,786	11,161	11,161	16,742	19,532	11,161	13,952	19,532	30,693	33,484	36,274		277,107
3	Total		43,125	51,282	16,035	19,285	26,490	30,905	22,534	33,448	40,653	42,066	56,230	52,521		434,576
			Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21		Period
																LBR
4	Monthly Residential Savings		875	875	406	677	812	948	948	1,625	1,760	948	1,895	1,354		13,122
5	Cumulative Residential Savings	38,279	39,154	40,029	40,435	41,112	41,924	42,872	43,820	45,444	47,205	48,152	50,048	51,402		531,597
6	Average Residential Distribution Rate		0.6916	0.6916	0.6916	0.6916	0.6916	0.6916	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108		
7	Lost Residential Revenue		\$ 27,078	\$ 27,683	\$ 27,963	\$ 28,432	\$ 28,993	\$ 29,649	\$ 26,764	\$ 27,757	\$ 28,832	\$ 29,410	\$ 30,568	\$ 31,395		344,524
8	Monthly C&I Savings		2,719	3,399	930	930	1,395	1,628	930	1,163	1,628	2,558	2,790	3,023		23,092
9	Cumulative C&I Savings	73,946	76,665	80,063	80,994	81,924	83,319	84,946	85,877	87,039	88,667	91,225	94,015	97,038		1,031,771
10	Average C&I Distribution Rate		0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1198	0.1198	0.1198	0.1198	0.1198	0.1198		
11	Lost C&I Revenue		\$ 15,282	\$ 15,960	\$ 16,145	\$ 16,331	\$ 16,609	\$ 16,933	\$ 10,292	\$ 10,431	\$ 10,626	\$ 10,933	\$ 11,267	\$ 11,629		162,437
12	Total Lost Revenue		\$ 42,360	\$ 43,642	\$ 44,109	\$ 44,762	\$ 45,602	\$ 46,582	\$ 37,056	\$ 38,188	\$ 39,458	\$ 40,343	\$ 41,835	\$ 43,024		506,960

- Line 1: Page 4, Line 15
- Line 1: Page 4, Line 21
- Line 3: Line 1 + Line 2
- Line 4: Line 1 / 12
- Line 5: Prior Month Line 5 + Current Month Line 4
- Line 6: Page 5, Line 30, Col. 3; Page 5, Line 30, Col. 3
- Line 7: Line 5 x Line 6
- Line 8: Line 2 / 12
- Line 9: Prior Month Line 9 + Current Month Line 8
- Line 10: Page 5, Line 37, Col. 3; Page 5, Line 52, Col. 3
- Line 11: Line 9 x Line 10
- Line 12: Line 7 + Line 11

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2021 to October 31, 2022

Northern Utilities Inc.
 NHPUC Docket No. 20-092
 Attachment J5 - (2021 - 2023 Plan)
 Page 3b of 6

Line	Description	10/31/2021	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Period
		Col. B	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Col. O	Annual Savings
1	Residential Annualized Savings	616,821	12,998	12,998	6,141	10,235	12,282	14,329	14,329	24,564	26,611	14,329	28,658	20,470		197,942
2	C&I Annualized Savings	1,164,454	33,484	41,855	16,587	16,587	24,881	29,028	16,587	20,734	29,028	45,615	49,761	53,908		378,054
3	Total		46,481	54,852	22,728	26,822	37,163	43,356	30,916	45,298	55,638	59,944	78,419	74,378		575,996
			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22		Period LBR
4	Monthly Residential Savings		1,083	1,083	512	853	1,023	1,194	1,194	2,047	2,218	1,194	2,388	1,706		16,495
5	Cumulative Residential Savings	51,402	52,485	53,568	54,080	54,933	55,956	57,150	58,344	60,391	62,609	63,803	66,191	67,897		707,407
6	Average Residential Distribution Rate		0.6916	0.6916	0.6916	0.6916	0.6916	0.6916	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108		
7	Lost Residential Revenue		\$ 36,297	\$ 37,046	\$ 37,400	\$ 37,990	\$ 38,697	\$ 39,523	\$ 35,636	\$ 36,886	\$ 38,240	\$ 38,970	\$ 40,428	\$ 41,470		458,582
8	Monthly C&I Savings		2,790	3,488	1,382	1,382	2,073	2,419	1,382	1,728	2,419	3,801	4,147	4,492		31,504
9	Cumulative C&I Savings	97,038	99,828	103,316	104,698	106,081	108,154	110,573	111,955	113,683	116,102	119,903	124,050	128,542		1,346,885
10	Average C&I Distribution Rate		0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1198	0.1198	0.1198	0.1198	0.1198	0.1198		
11	Lost C&I Revenue		\$ 19,900	\$ 20,595	\$ 20,870	\$ 21,146	\$ 21,559	\$ 22,041	\$ 13,417	\$ 13,624	\$ 13,914	\$ 14,369	\$ 14,866	\$ 15,405		211,707
12	Total Lost Revenue		\$ 56,196	\$ 57,641	\$ 58,270	\$ 59,136	\$ 60,257	\$ 61,565	\$ 49,052	\$ 50,510	\$ 52,154	\$ 53,339	\$ 55,295	\$ 56,875		670,289

- Line 1: Page 4, Line 15
- Line 1: Page 4, Line 21
- Line 3: Line 1 + Line 2
- Line 4: Line 1 / 12
- Line 5: Prior Month Line 5 + Current Month Line 4
- Line 6: Page 5, Line 30, Col. 3; Page 5, Line 30, Col. 3
- Line 7: Line 5 x Line 6
- Line 8: Line 2 / 12
- Line 9: Prior Month Line 9 + Current Month Line 8
- Line 10: Page 5, Line 37, Col. 3; Page 5, Line 52, Col. 3
- Line 11: Line 9 x Line 10
- Line 12: Line 7 + Line 11

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2022 to October 31, 2023

Northern Utilities Inc.
 NHPUC Docket No. 20-092
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Line	Description	10/31/2022	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Period
		Col. B	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Col. O	Annual Savings
	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	Residential Annualized Savings	814,763	16,376	16,376	8,026	13,377	16,053	18,728	18,728	32,105	34,781	18,728	37,456	26,754		257,487
2	C&I Annualized Savings	1,542,508	49,761	62,202	22,224	22,224	33,336	38,892	22,224	27,780	38,892	61,116	66,672	72,228		517,550
3	Total		66,137	78,578	30,250	35,601	49,388	57,620	40,952	59,885	73,672	79,844	104,128	98,982		775,038
			Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23		Period
4	Monthly Residential Savings		1,365	1,365	669	1,115	1,338	1,561	1,561	2,675	2,898	1,561	3,121	2,230		21,457
5	Cumulative Residential Savings	67,897	69,262	70,626	71,295	72,410	73,748	75,308	76,869	79,544	82,443	84,003	87,125	89,354		931,987
6	Average Residential Distribution Rate		0.6916	0.6916	0.6916	0.6916	0.6916	0.6916	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108		
7	Lost Residential Revenue		\$ 47,899	\$ 48,843	\$ 49,305	\$ 50,076	\$ 51,001	\$ 52,081	\$ 46,950	\$ 48,584	\$ 50,354	\$ 51,308	\$ 53,214	\$ 54,576		604,191
8	Monthly C&I Savings		4,147	5,183	1,852	1,852	2,778	3,241	1,852	2,315	3,241	5,093	5,556	6,019		43,129
9	Cumulative C&I Savings	128,542	132,689	137,873	139,725	141,577	144,355	147,596	149,448	151,763	155,004	160,097	165,653	171,672		1,797,447
10	Average C&I Distribution Rate		0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1198	0.1198	0.1198	0.1198	0.1198	0.1198		
11	Lost C&I Revenue		\$ 26,450	\$ 27,483	\$ 27,852	\$ 28,222	\$ 28,775	\$ 29,421	\$ 17,910	\$ 18,188	\$ 18,576	\$ 19,186	\$ 19,852	\$ 20,574		282,490
12	Total Lost Revenue		\$ 74,349	\$ 76,326	\$ 77,158	\$ 78,298	\$ 79,777	\$ 81,502	\$ 64,860	\$ 66,772	\$ 68,930	\$ 70,494	\$ 73,066	\$ 75,149		886,681

- Line 1: Page 4, Line 15
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- Line 10: Page 5, Line 37, Col. 3; Page 5, Line 52, Col. 3
- Line 11: Line 9 x Line 10
- Line 12: Line 7 + Line 11

**Northern Utilities, Inc.
 Gas Savings for LRR Calculation**

Planned Gas Savings - 2020		Annual
		Therms
1. Residential Programs		
2. Home Energy Assistance		21,368
3. EnergyStar Homes		15,065
4. Home Performance w/EnergyStar		17,165
5. EnergyStar Products		58,268
6. Residential Behavior		19,340
7. Residential		131,206
8.		
9. Commercial & Industrial Programs		
10. Large Business Energy Solutions		190,942
11. Small Business Energy Solutions		80,964
12. Education (Gas)		-
13. Commercial & Industrial		271,906

LBR Savings Allocation	Unit	Actual	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Nov-19 to Oct-20 Total	Jan-20 to Dec-20 Total
		Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20			
14. Residential Programs				<u>3.0%</u>	<u>5.0%</u>	<u>6.0%</u>	<u>7.0%</u>	<u>7.0%</u>	<u>12.0%</u>	<u>13.0%</u>	<u>7.0%</u>	<u>14.0%</u>	<u>10.0%</u>	<u>8.0%</u>	<u>8.0%</u>			
15. Annualized Therms	Therms	0	0	3,936	6,560	7,872	9,184	9,184	15,745	17,057	9,184	18,369	13,121	10,496	10,496	110,213	131,206	
16.																		
17. Monthly Incremental	Therms	0	0	328	547	656	765	765	1,312	1,421	765	1,531	1,093	875	875	9,184	10,934	
18. Monthly Cumulative	Therms	29,095	29,095	29,423	29,970	30,626	31,391	32,156	33,468	34,890	35,655	37,186	38,279	39,154	40,029	391,235	412,228	
19.																		
20. Commercial & Industrial Programs				<u>4.0%</u>	<u>4.0%</u>	<u>6.0%</u>	<u>7.0%</u>	<u>4.0%</u>	<u>5.0%</u>	<u>7.0%</u>	<u>11.0%</u>	<u>12.0%</u>	<u>13.0%</u>	<u>12.0%</u>	<u>15.0%</u>			
21. Annualized Therms	Therms	65,423	7,159	10,876	10,876	16,314	19,033	10,876	13,595	19,033	29,910	32,629	35,348	32,629	40,786	271,073	271,906	
22.																		
23. Monthly Incremental	Therms	5,452	597	906	906	1,360	1,586	906	1,133	1,586	2,492	2,719	2,946	2,719	3,399	22,589	22,659	
24. Monthly Cumulative	Therms	56,808	57,405	58,311	59,217	60,577	62,163	63,069	64,202	65,788	68,281	71,000	73,946	76,665	80,063	760,767	803,281	

**Northern Utilities, Inc.
 Gas Savings for LRR Calculation**

Planned Gas Savings - 2021		Annual Therms
1. Residential Programs		
2. Home Energy Assistance		24,422
3. EnergyStar Homes		27,485
4. Home Performance w/EnergyStar		14,078
5. EnergyStar Products		64,270
6. Residential Behavior		32,216
7. Residential		162,471
8.		
9. Commercial & Industrial Programs		
10. Large Business Energy Solutions		196,132
11. Small Business Energy Solutions		82,898
12. Education (Gas)		-
13. Commercial & Industrial		279,030

LBR Savings Allocation		Unit	Estimate Nov-20	Estimate Dec-20	Estimate Jan-21	Estimate Feb-21	Estimate Mar-21	Estimate Apr-21	Estimate May-21	Estimate Jun-21	Estimate Jul-21	Estimate Aug-21	Estimate Sep-21	Estimate Oct-21	Estimate Nov-21	Estimate Dec-21	Nov-20 to Oct- 21 Total	Jan-21 to Dec- 21 Total
14. Residential Programs			8.0%	8.0%	3.0%	5.0%	6.0%	7.0%	7.0%	12.0%	13.0%	7.0%	14.0%	10.0%	8.0%	8.0%		100.0%
15. Annualized Therms	Therms		10,496	10,496	4,874	8,124	9,748	11,373	11,373	19,497	21,121	11,373	22,746	16,247	12,998	12,998	157,469	162,471
16.																		
17. Monthly Incremental	Therms		875	875	406	677	812	948	948	1,625	1,760	948	1,895	1,354	1,083	1,083	13,122	13,539
18. Monthly Cumulative	Therms		39,154	40,029	40,435	41,112	41,924	42,872	43,820	45,444	47,205	48,152	50,048	51,402	52,485	53,568	531,597	558,467
19.																		
20. Commercial & Industrial Programs			12.0%	15.0%	4.0%	4.0%	6.0%	7.0%	4.0%	5.0%	7.0%	11.0%	12.0%	13.0%	12.0%	15.0%		100.0%
21. Annualized Therms	Therms		32,629	40,786	11,161	11,161	16,742	19,532	11,161	13,952	19,532	30,693	33,484	36,274	33,484	41,855	277,107	279,030
22.																		
23. Monthly Incremental	Therms		2,719	3,399	930	930	1,395	1,628	930	1,163	1,628	2,558	2,790	3,023	2,790	3,488	23,092	23,253
24. Monthly Cumulative	Therms		76,665	80,063	80,994	81,924	83,319	84,946	85,877	87,039	88,667	91,225	94,015	97,038	99,828	103,316	1,031,771	1,078,186

**Northern Utilities, Inc.
Gas Savings for LRR Calculation**

Northern Utilities, Inc.
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Planned Gas Savings - 2022		Annual
		Therms
1. Residential Programs		
2. Home Energy Assistance		30,854
3. EnergyStar Homes		38,250
4. Home Performance w/EnergyStar		15,525
5. EnergyStar Products		78,294
6. Residential Behavior		41,775
7. Residential		204,698
8.		
9. Commercial & Industrial Programs		
10. Large Business Energy Solutions		313,356
11. Small Business Energy Solutions		101,323
12. Education (Gas)		-
13. Commercial & Industrial		414,679

LBR Savings Allocation		Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Nov-21 to Oct-22 Total	Jan-22 to Dec-22 Total
		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22			
14. Residential Programs		8.0%	8.0%	3.0%	5.0%	6.0%	7.0%	7.0%	12.0%	13.0%	7.0%	14.0%	10.0%	8.0%	8.0%			
15. Annualized Therms	Therms	12,998	12,998	6,141	10,235	12,282	14,329	14,329	24,564	26,611	14,329	28,658	20,470	16,376	16,376	197,942	204,698	
16.																		
17. Monthly Incremental	Therms	1,083	1,083	512	853	1,023	1,194	1,194	2,047	2,218	1,194	2,388	1,706	1,365	1,365	16,495	17,058	
18. Monthly Cumulative	Therms	52,485	53,568	54,080	54,933	55,956	57,150	58,344	60,391	62,609	63,803	66,191	67,897	69,262	70,626	707,407	741,242	
19.																		
20. Commercial & Industrial Programs		12.0%	15.0%	4.0%	4.0%	6.0%	7.0%	4.0%	5.0%	7.0%	11.0%	12.0%	13.0%	12.0%	15.0%			
21. Annualized Therms	Therms	33,484	41,855	16,587	16,587	24,881	29,028	16,587	20,734	29,028	45,615	49,761	53,908	49,761	62,202	378,054	414,679	
22.																		
23. Monthly Incremental	Therms	2,790	3,488	1,382	1,382	2,073	2,419	1,382	1,728	2,419	3,801	4,147	4,492	4,147	5,183	31,504	34,557	
24. Monthly Cumulative	Therms	99,828	103,316	104,698	106,081	108,154	110,573	111,955	113,683	116,102	119,903	124,050	128,542	132,689	137,873	1,346,885	1,414,302	

Northern Utilities, Inc.
Gas Savings for LRR Calculation

Northern Utilities, Inc.
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Planned Gas Savings - 2023		Annual
		Therms
1. Residential Programs		
2. Home Energy Assistance		38,899
3. EnergyStar Homes		55,244
4. Home Performance w/EnergyStar		16,937
5. EnergyStar Products		91,462
6. Residential Behavior		65,000
7. Residential		267,542
8.		
9. Commercial & Industrial Programs		
10. Large Business Energy Solutions		431,096
11. Small Business Energy Solutions		124,503
12. Education (Gas)		-
13. Commercial & Industrial		555,599

LBR Savings Allocation		Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Nov-22 to Oct-23 Total	Jan-23 to Dec-23 Total
		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23			
14. Residential Programs		8.0%	8.0%	3.0%	5.0%	6.0%	7.0%	7.0%	12.0%	13.0%	7.0%	14.0%	10.0%	8.0%	8.0%			
15. Annualized Therms	Therms	16,376	16,376	8,026	13,377	16,053	18,728	18,728	32,105	34,781	18,728	37,456	26,754	21,403	21,403	257,487	267,542	
16.																		
17. Monthly Incremental	Therms	1,365	1,365	669	1,115	1,338	1,561	1,561	2,675	2,898	1,561	3,121	2,230	1,784	1,784	21,457	22,295	
18. Monthly Cumulative	Therms	69,262	70,626	71,295	72,410	73,748	75,308	76,869	79,544	82,443	84,003	87,125	89,354	91,138	92,921	931,987	976,158	
19.																		
20. Commercial & Industrial Programs		12.0%	15.0%	4.0%	4.0%	6.0%	7.0%	4.0%	5.0%	7.0%	11.0%	12.0%	13.0%	12.0%	15.0%			
21. Annualized Therms	Therms	49,761	62,202	22,224	22,224	33,336	38,892	22,224	27,780	38,892	61,116	66,672	72,228	66,672	83,340	517,550	555,599	
22.																		
23. Monthly Incremental	Therms	4,147	5,183	1,852	1,852	2,778	3,241	1,852	2,315	3,241	5,093	5,556	6,019	5,556	6,945	43,129	46,300	
24. Monthly Cumulative	Therms	132,689	137,873	139,725	141,577	144,355	147,596	149,448	151,763	155,004	160,097	165,653	171,672	177,228	184,172	1,797,447	1,888,285	

Northern Utilities, Inc.

Summary of Average Distribution Rate for Lost Revenue

Calculation of Average Distribution Rate for Lost Revenue (Detail)

Line		(1)	(2)	(3)=(1)X(2)	(4)		(5)		(6) = (4) X (5)	(7)		(8)		(9) = (7) X (8)
		Number of	Customer	Calculated	Billing Determinants - Winter		Winter Distribution Rates		Winter	Billing Determinants - Summer		Summer Distribution Rates		Summer
		Customers	Charge	Customer	First	Excess	First	Excess	Distribution	First	Excess	First	Excess	Distribution
			Charge	Charge	Therms	Therms	Therms \$/thm	Therms \$/thm	Revenue	Therms	Therms	Therms \$/thm	Therms \$/thm	Revenue
8	R-5 Residential, Heating	298,631	\$22.20	\$6,629,608	6,478,926	9,001,237	\$ 0.6920	\$ 0.6920	\$10,712,273	2,834,361	443,163	\$ 0.6099	\$ 0.6099	\$1,998,962
9	R-10 Residential Heating, Low Income	8,632	\$8.88	\$76,652	220,721	233,658	\$ 0.6920	\$ 0.6920	\$314,430	76,929	10,603	\$ 0.6099	\$ 0.6099	\$53,386
10	R-6 Residential, Non-Heating	15,334	\$22.20	\$340,415	52,030	102,959	\$ 0.6470	\$ 0.6470	\$100,278	50,338	31,354	\$ 0.6470	\$ 0.6470	\$52,855
11	Total Residential Service	322,597		\$7,046,675	6,751,677	9,337,854			\$11,126,981	2,961,628	485,120			\$2,105,202
13	G-40 Low Annual, High Winter Use	60,426	\$75.09	\$4,537,388	1,992,261	7,546,425	\$ 0.1865	\$ 0.1865	\$1,778,965	764,224	873,989	\$ 0.1865	\$ 0.1865	\$305,527
14	G-50 Low Annual, Low Winter Use	9,931	\$75.09	\$745,719	222,671	971,369	\$ 0.1865	\$ 0.1865	\$222,688	215,924	504,561	\$ 0.1865	\$ 0.1865	\$134,370
15	G-41 Medium Annual, High Winter Use	8,238	\$222.64	\$1,834,108	11,812,715		\$ 0.2425		\$2,864,583	2,550,957		\$ 0.1895		\$483,406
16	G-51 Medium Annual, Low Winter Use	3,357	\$222.64	\$747,402	1,848,039	1,299,553	\$ 0.1712	\$ 0.1399	\$498,192	1,394,554	800,973	\$ 0.1337	\$ 0.1087	\$273,518
17	G-42 High Annual, High Winter Use	377	\$1,335.81	\$503,600	4,461,198		\$ 0.1984		\$885,102	1,555,205		\$ 0.1206		\$187,558
18	G-52 High Annual, Low Winter Use	395	\$1,335.81	\$527,645	8,729,046		\$ 0.1720		\$1,501,396	8,525,494		\$ 0.0792		\$675,219
19	Total General Service	82,724		\$8,895,863	29,065,930	9,817,347			\$7,750,926	15,006,358	2,179,523			\$2,059,598
21	Total Company	405,321		\$15,942,538	35,817,607	19,155,201			\$18,877,907	17,967,986	2,664,643			\$4,164,800

Notes:
 24 Column (1), Column (4) and Column (7): 2018 actual billing determinants.
 25 Column (2), Column (5) and Column (8): Winter and Summer distribution rates effective May 1, 2019.
 26 R-11 Rate Class is closed May 1, 2017. R-11 Rate Class Customers migrated to R-6 Rate Class.

Calculation of Average Distribution Rate for Lost Revenue Winter and Summer (Summary)

	(10)=(3)	(11) = (6) + (9)	12=(10)+(11)	(13)=(4)+(7)
	Total Calculated Customer Revenue	Total Volumetric Revenue	Total Distribution Revenue	Total Annual Therms
R-5	\$6,629,608	\$12,711,235	\$19,340,843	18,757,687
R-10	\$76,652	\$367,816	\$444,468	541,911
R-6	\$340,415	\$153,133	\$493,547	236,681
Total Residential Service	\$7,046,675	\$13,232,183	\$20,278,858	19,536,279
G-40	\$4,537,388	\$2,084,492	\$6,621,880	11,176,899
G-50	\$745,719	\$357,059	\$1,102,778	1,914,525
G-41	\$1,834,108	\$3,347,990	\$5,182,098	14,363,672
G-51	\$747,402	\$771,709	\$1,519,112	5,343,119
G-42	\$503,600	\$1,072,659	\$1,576,260	6,016,403
G-52	\$527,645	\$2,176,615	\$2,704,260	17,254,540
Total General Service	\$8,895,863	\$9,810,524	\$18,706,387	56,069,158
Total Company	\$15,942,538	\$23,042,707	\$38,985,246	75,605,437

Based on Actual Billing Determinants for 2019 at Current Distribution Rates- Winter

	(1) Total Volumetric Revenue	(2) Total Winter Therms	(3)=(1)X(2) Average Distribution Rate \$/therm
R-5	\$10,712,273	15,480,163	\$0.6920
R-10	\$314,430	454,379	\$0.6920
R-6	\$100,278	154,989	\$0.6470
Total Residential Service	\$11,126,981	16,089,531	\$0.6916
G-40	\$1,778,965	9,538,686	\$0.1865
G-50	\$222,688	1,194,040	\$0.1865
G-41	\$2,864,583	11,812,715	\$0.2425
G-51	\$498,192	3,147,592	\$0.1583
G-42	\$885,102	4,461,198	\$0.1984
G-52	\$1,501,396	8,729,046	\$0.1720
Total General Service	\$7,750,926	38,883,277	\$0.1993

Based on Actual Billing Determinants for 2019 at Current Distribution Rates- Summer

	(1) Total Volumetric Revenue	(2) Total Summer Therms	(3)=(1)X(2) Average Distribution Rate \$/therm
R-5	\$1,998,962	3,277,524	\$0.6099
R-10	\$53,386	87,532	\$0.6099
R-6	\$52,855	81,692	\$0.6470
Total Residential Service	\$2,105,202	3,446,748	\$0.6108
G-40	\$305,527	1,638,213	\$0.1865
G-50	\$134,370	720,485	\$0.1865
G-41	\$483,406	2,550,957	\$0.1895
G-51	\$273,518	2,195,527	\$0.1246
G-42	\$187,558	1,555,205	\$0.1206
G-52	\$675,219	8,525,494	\$0.0792
Total General Service	\$2,059,598	17,185,881	\$0.1198
Total	\$ 23,042,707	75,605,437	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Summary of EEC/LRR Typical Bill Analysis

Energy Efficiency Charge/Lost Revenue Rate (\$/therm)	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>	<u>2022-2023</u>
Residential	\$0.0613	\$0.0994	\$0.0985	\$0.1203
Commercial & Industrial	\$0.0266	\$0.0367	\$0.0509	\$0.0704

<u>Bill per period</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	Winter	Summer	Winter	Summer
Residential Heat - R-5	\$965.88	\$253.49	\$989.78	\$258.50	\$989.22	\$258.38	\$1,002.89	\$261.24
Residential Non-Heat - R-6	\$293.77	\$190.71	\$298.54	\$193.02	\$298.43	\$192.97	\$301.16	\$194.29
G-40 Commercial & Industrial	\$1,883.32	\$595.65	\$1,901.21	\$598.63	\$1,926.36	\$602.81	\$1,960.89	\$608.57
G-41 Commercial & Industrial	\$15,873.32	\$3,247.96	\$16,042.98	\$3,287.04	\$16,281.51	\$3,341.98	\$16,609.07	\$3,417.42
G-51 Commercial & Industrial	\$8,115.57	\$4,059.16	\$8,217.05	\$4,135.37	\$8,359.72	\$4,242.53	\$8,555.63	\$4,389.67

Change from prior period - \$ per period

Residential Heat - R-5			\$23.90	\$5.01	(\$0.56)	(\$0.12)	\$13.68	\$2.86
Residential Non-Heat - R-6			\$4.77	\$2.31	(\$0.11)	(\$0.05)	\$2.73	\$1.32
G-40 Commercial & Industrial			\$17.89	\$2.98	\$25.15	\$4.19	\$34.53	\$5.75
G-41 Commercial & Industrial			\$169.66	\$39.08	\$238.53	\$54.94	\$327.56	\$75.45
G-51 Commercial & Industrial			\$101.47	\$76.21	\$142.67	\$107.15	\$195.92	\$147.15

Change from prior period - %

Residential Heat - R-5			2.47%	1.97%	-0.06%	-0.05%	1.38%	1.11%
Residential Non-Heat - R-6			1.62%	1.21%	-0.04%	-0.03%	0.91%	0.69%
G-40 Commercial & Industrial			0.95%	0.50%	1.32%	0.70%	1.79%	0.95%
G-41 Commercial & Industrial			1.07%	1.20%	1.49%	1.67%	2.01%	2.26%
G-51 Commercial & Industrial			1.25%	1.88%	1.74%	2.59%	2.34%	3.47%

**STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

Docket No. DE 20-092

2021-2023 Triennial Energy Efficiency Plan
System Benefits Charge Testimony

DIRECT TESTIMONY

OF

CHRISTOPHER J. GOULDING,

ERICA L. MENARD,

HEATHER M. TEBBETTS,

AND

CAROL M. WOODS

September 1, 2020

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1 **I. INTRODUCTION AND BACKGROUND**

2 **Q. Mr. Goulding, please state your full name, business address, and position.**

3 A. My name is Christopher J. Goulding. My business address is 6 Liberty Lane West,
4 Hampton, New Hampshire 03842. I am the Director of Rates and Revenue Requirements
5 for Unitil Service Corp. (“Unitil Service”), a subsidiary of Unitil Corporation that
6 provides managerial, financial, regulatory and engineering services to Unitil
7 Corporation’s utility subsidiaries including Fitchburg Gas and Electric Light Company
8 d/b/a Unitil (hereinafter referred to as “Unitil”, the “Company”, or “FG&E”, as
9 appropriate). My responsibilities include all rate and regulatory filings related to the
10 financial requirements of FG&E and Unitil’s other subsidiaries.

11 **Q. Please describe your educational background and training.**

12 A. I earned a Bachelor of Science degree in Business Administration with a concentration in
13 Accounting from Northeastern University in 2000 and a Master’s in Business
14 Administration from Boston College in 2009.

15 **Q. Please describe your professional experience.**

16 A. In 2000 I was hired by NSTAR Electric & Gas Company (“NSTAR,” now Eversource
17 Energy) and held various positions with increasing responsibilities in Accounting,
18 Corporate Finance and Regulatory. I was hired by Unitil Service Corp. in early 2019 to
19 perform my current job responsibilities.

1 **Q. Have you previously testified before the New Hampshire Public Utilities**
2 **Commission?**

3 A. Yes, I have testified on multiple occasions before the New Hampshire Public Utilities
4 Commission (“Commission”).

5 **Q. Ms. Menard, please state your full name, business address, and position.**

6 A. My name is Erica L. Menard. My business address is 780 North Commercial Street,
7 Manchester, NH. I am employed by Eversource Energy Service Company as the Manager
8 of New Hampshire Revenue Requirements and in that position, I provide rate
9 calculations and regulatory services to Public Service Company of New Hampshire d/b/a
10 Eversource Energy (“Eversource” or the “Company”).

11 **Q. Please state your educational background and training.**

12 A. I graduated from the University of Maine in 1997 with a Bachelor of Arts degree in
13 Economics and Business Administration with a concentration in Finance and from the
14 University of New Hampshire in 2007 with a Master’s in Business Administration.

15 **Q. Please describe your professional experience.**

16 A. I was hired by Public Service Company of New Hampshire (now Eversource) in 2003
17 and have held various positions in the Company with increasing levels of responsibility. I
18 was appointed to my current position of Manager, Revenue Requirements –NH in April
19 2019. Prior to my current role, I held positions in the Financial Planning & Analysis,
20 Business Planning, Economic Development and Load Forecasting areas. Prior to joining
21 Eversource, I held various positions at ICF Consulting in Fairfax, Virginia with

1 responsibilities for implementing load profiling and load settlement software at various
2 utilities around the world.

3 **Q. Have you previously testified before the Commission?**

4 A. Yes, I have testified on multiple occasions before the Commission.

5 **Q. Ms. Tebbetts, please state your full name, business address, and position.**

6 A. My name is Heather M. Tebbetts and my business address is 15 Buttrick Road,
7 Londonderry, New Hampshire. I am Manager of Rates and Regulatory Affairs for
8 Liberty and am responsible for providing rate-related services for EnergyNorth and
9 Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities (“Granite State”).

10 **Q. Please describe your educational background and training.**

11 A. I graduated from Franklin Pierce University in 2004 with a Bachelor of Science degree in
12 Finance. I received a Master of Business Administration from Southern New Hampshire
13 University in 2007.

14 **Q. Please describe your professional background.**

15 A. I joined Liberty in October 2014. Prior to my employment at Liberty, I was employed by
16 Public Service Company of New Hampshire (“PSNH”) as a Senior Analyst in NH
17 Revenue Requirements from 2010 to 2014. Prior to my position in NH Revenue
18 Requirements, I was a Staff Accountant in PSNH’s Property Tax group from 2007 to
19 2010 and a Customer Service Representative III in PSNH’s Customer Service
20 Department from 2004 to 2007.

1 **Q. Have you previously testified before the Commission?**

2 A. Yes, I have testified on numerous occasions before the Commission, most recently in
3 Docket No. DE 19-064, which was Granite State's most recent distribution rate case.

4 **Q. Ms. Woods, please state your full name, business address, and position.**

5 A. My name is Carol M. Woods and my business address is 579 Tenney Mountain
6 Highway Plymouth, New Hampshire. I am an Energy Solutions Executive for New
7 Hampshire Electric Cooperative. My responsibilities include management of planning
8 and regulatory support for the company's energy efficiency programs.

9 **Q. Please describe your educational background and training.**

10 A. I graduated from Plymouth State University in 1996 with a Bachelor of Science Degree
11 in Accounting. I received a Master of Business Administration from Southern New
12 Hampshire University in 2008.

13 **Q. Please describe your professional experience.**

14 A. I was hired by New Hampshire Electric Cooperative in 2001 to perform my current job
15 responsibilities.

16 **Q. Have you previously testified before the New Hampshire Public Utilities
17 Commission?**

18 A. Yes, I have testified on multiple occasions before the Commission.

1 **Q. What is the purpose of your testimony?**

2 A. The purpose of our testimony is: (1) to present and support the calculation of the annual
3 rates for the Energy Efficiency (“EE”) component of the System Benefits Charge
4 (“SBC”) proposed for effect on January 1, 2021, January 1, 2022, and January 1, 2023;
5 and (2) to present and support the calculation of the annual rates for the lost base revenue
6 (“LBR”) component of the SBC proposed for effect January 1, 2021, January 1, 2022,
7 and January 1, 2023. Our testimony explains what is contained in Attachments E3, F3,
8 G3, and H3, which provide the calculations of the EE and LBR rate components for each
9 electric distribution utility. In addition, the testimony will also present the Energy
10 Efficiency Charge (“EEC”) and Lost Revenue Rate (“LRR”) for Northern. These rate
11 calculations are presented in Attachments J3 (EEC) and J5 (LRR) and are being provided
12 for informational purposes. The proposed EEC and LRR will be filed in Northern’s
13 upcoming annual Cost of Gas filing that will be submitted to the Commission on or
14 before September 15, 2020.

15 EnergyNorth is providing a reconciliation of lost revenues in Attachment I4 as the
16 Company’s decoupling mechanism approved in Order No. 26,122 in Docket No. DG 17-
17 048, thus the lost revenue mechanism is no longer effective outside of the reconciliation
18 of previous periods.

1 **II. EE COMPONENT OF THE SBC**

2 **Q. Please explain the changes to the EE component of the SBC rate for the 2021-2023**
 3 **plan.**

4 A. The 2021-2023 plan will now provide an EE component separated by sector, residential
 5 and commercial, rather than continue with a single rate for all sectors. The utilities are
 6 also filing separate EE component rates, contrary to the filings of the past. Table 1
 7 provides a snapshot of EE component rates by utility:

Table 1. Energy Efficiency Component Rates (\$/kWh)

2021	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00651	\$0.00838	\$0.00568	\$0.00615
Commercial	\$0.01029	\$0.00906	\$0.00561	\$0.00867
2022	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00646	\$0.00873	\$0.00864	\$0.00773
Commercial	\$0.01498	\$0.01036	\$0.00843	\$0.01070
2023	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00673	\$0.08530	\$0.00922	\$0.00767
Commercial	\$0.02062	\$0.01004	\$0.01061	\$0.01333

8
 9 **Q. How was the EE rate calculated?**

10 A. With a statewide savings target of 5% of 2019 sales to be achieved over the course of the
 11 2021-2023 triennium, translating to 525,333 MWh in expected annual savings across the
 12 term and 6.7 billion lifetime kWh, the total required funding is \$369.787 million. Please
 13 see the table below providing a breakdown of funding mechanisms for each utility. These
 14 calculations are further broken down by each utility on page 1 of Attachments E3
 15 (Eversource), F3 (Liberty), G3 (NHEC), and H3 (Unitil).

Table 2. Funding by Program

		HEA					
2021	Sector	Carryover	Carryover	RGGI	FCM	SBC Funds	Total
Eversource	Residential	\$0	\$0	\$377,341	\$1,557,889	\$20,673,489	\$22,608,719
	C&I	\$0	\$0	\$1,531,542	\$3,635,073	\$46,577,169	\$51,743,785
NHEC	Residential	\$407,827	\$0	\$34,612	\$30,000	\$3,934,561	\$4,407,000
	C&I	\$28,157	\$0	\$172,873	\$70,000	\$2,710,970	\$2,982,000
Liberty	Residential	\$598,262	\$19,796	\$44,153	\$263,079	\$1,636,452	\$2,561,742
	C&I	\$755,404	\$0	\$177,584	\$348,732	\$3,571,782	\$4,853,502
Unitil	Residential	\$480,100	\$0	\$56,687	\$168,524	\$3,972,213	\$4,677,524
	C&I	(\$111,241)	\$0	\$228,000	\$393,222	\$4,382,004	\$4,891,985
		HEA					
2022	Sector	Carryover	Carryover	RGGI	FCM	SBC Funds	Total
Eversource	Residential	\$0	\$0	\$362,535	\$1,433,201	\$20,620,060	\$22,415,796
	C&I	\$0	\$0	\$1,531,542	\$3,344,136	\$67,090,791	\$71,966,469
NHEC	Residential	\$0	\$0	\$34,612	\$30,000	\$4,100,388	\$4,165,000
	C&I	\$0	\$0	\$172,873	\$70,000	\$3,100,127	\$3,343,000
Liberty	Residential	\$0	\$0	\$42,420	\$233,584	\$2,496,480	\$2,772,483
	C&I	\$0	\$0	\$177,584	\$309,634	\$5,398,895	\$5,886,113
Unitil	Residential	(\$879)	\$0	\$54,463	\$140,137	\$4,964,828	\$5,158,548
	C&I	(\$852)	\$0	\$228,000	\$326,985	\$5,633,809	\$6,187,942
		HEA					
2023	Sector	Carryover	Carryover	RGGI	FCM	SBC Funds	Total
Eversource	Residential	\$0	\$0	\$347,726	\$1,198,252	\$21,735,949	\$23,281,927
	C&I	\$0	\$0	\$1,531,542	\$2,795,920	\$91,149,205	\$95,476,667
NHEC	Residential	\$0	\$0	\$34,612	\$30,000	\$4,006,388	\$4,071,000
	C&I	\$0	\$0	\$172,873	\$70,000	\$3,005,127	\$3,248,000
Liberty	Residential	\$0	\$0	\$40,687	\$150,966	\$2,651,629	\$2,843,282
	C&I	\$0	\$0	\$177,584	\$200,117	\$6,770,979	\$7,148,680
Unitil	Residential	\$0	\$0	\$52,238	\$133,129	\$5,159,285	\$5,344,652
	C&I	\$0	\$0	\$228,000	\$310,634	\$7,212,807	\$7,751,441

1

2

3

4

5

Page 2 of Attachments E3 (Eversource) and H3 (Unitil) provides actual and forecasted monthly revenues and expenses for the 2020 program year. The forecasted monthly revenue and expenses for the 2021 through 2023 program years are provided on pages 3 through 8 of Attachment E3 (Eversource), pages 2 through 4 of Attachment F3 (Liberty),

1 pages 2 through 7 of Attachment G3 (NHEC). Page 3 of Attachment H3 (Unitil) provides
2 forecasted monthly revenue and expenses for 2021.

3 **Q. Please explain why the utilities are filing a three-year plan with set EE component**
4 **SBC rates for each year.**

5 A. In previous plans, the utilities filed an Annual Update to the triennial plan each year
6 which included updated and reconciled SBC rate components. In this three-year plan, the
7 structure of the EERS is moving further toward the cumulative achievement of goals over
8 the course of the 36 month triennium, without the start and stop of an annual plan update
9 filing. Therefore the utilities are proposing the EE component of SBC rates for each of the
10 three years for approval in this 2021-2023 Energy Efficiency Plan filing.

11 **Q. Why are there differences in EE component rates between sectors and between**
12 **utilities?**

13 A. The primary goal of the EERS and the 2021-2023 Plan is a three-year statewide energy
14 savings goal, measured as a percentage of the 2019 Annual kWh sales for the electric
15 programs and as a percentage of the 2019 Annual Therm sales for the natural gas
16 programs. Different utility territories and sectors have a varying ability to contribute
17 toward the statewide energy savings targets. The utilities have targeted their plans and
18 budgets to accomplish the joint goal based on analysis of where the savings can be
19 achieved.

20 **Q. Is there precedent for setting different EE rates between sectors and utilities?**

21 A. Yes. The Natural Gas programs have used this approach for many years.

1 **Q. How will the utilities maintain receiving enough funding each year for their**
2 **programs if the EE component of the SBC rate was set too low?**

3 A. The utilities are proposing an annual “trigger mechanism” to allow the EE component of
4 the SBC rate to be increased or decreased by no greater than ten percent over the
5 approved rate for a given year if needed based on reconciliation of actual sales and
6 revenues compared to forecast, or if the budget is increased for the upcoming year to
7 accommodate increased program costs.

8 **Q. Is this trigger mechanism a new concept?**

9 A. No. EnergyNorth Natural Gas utilizes this same type of mechanism during the winter
10 months for when the cost of gas rate is projected to be over or under collection for the
11 period no greater than 25 percent and has since 1998.

12 **Q. How does the annual update filing using the trigger mechanism work?**

13 A. In Docket No. DR 98-015, the Commission approved in Order No. 22,890, a monthly
14 adjustment to the cost of gas that does not require a filing for rate approval. It provides
15 the ability to adjust the approved cost of gas rate upward or downward monthly based on
16 the Company’s calculation of the projected over or under collection for the period and
17 applied on a bills rendered basis. The adjusted cost of gas rate would not increase or
18 decrease more than plus or minus ten percent of the approved unit cost of gas. In 2000,
19 Order No. 23,580 increased that maximum allowed to 20 percent. In 2009, Order No.
20 24,963 increased that maximum to 25 percent.

1 Utilizing this same structure for the EE component of the SBC rate would provide
2 flexibility for the utilities to increase or decrease the rate by no more than ten percent of
3 the approved rate without the need for a formal procedure and hearing. It also provides
4 the opportunity to avoid a high over or under collection after the three year plan is
5 completed. The trigger mechanism is not a requirement, meaning if the EE component of
6 the SBC rate is sufficient to continue approved funding requirements for the following
7 year, the rate does not need to be changed. In addition, Puc 1203.02(f) affords rates to be
8 adjusted as frequently as determined by the Commission. While the practice has been for
9 a full adjudicated process annually for the SBC rate, given that the utilities are filing a
10 rate up to three years in advance, this potential yearly adjustment is consistent with the
11 Commission's statutory obligations and administrative rules.

12 If there is reason to change the rate and the rate is within the ten percent threshold, the
13 requirement would be the utility requesting the change will file a technical statement with
14 the projected over or under calculation, along with the resulting EE portion of the SBC
15 rate by December 10 each year as the SBC rate goes in to effect January 1 of the
16 following year. The utility will also file a revised tariff page reflecting the change.

17 At the end of the three-year period, a final reconciliation will be filed to reconcile the
18 final three-year program budget and expenses.

1 **Q. What if the budget requirements are such that the ten percent increase to the rate is**
 2 **not sufficient?**

3 A. If there is reason to change the rate and the rate is outside of the ten percent threshold, the
 4 utility will need to make a full reconciliation filing, similar to how it was filed in the
 5 annual reconciliations in Docket No. 17-136, by October 10. A formal adjudicative
 6 process will be conducted to receive approval of the EE portion of the SBC rate.

7 **III. LBR COMPONENT OF THE SBC**

8 **Q. What is the proposed LBR Component of the SBC?**

9 A. The proposed LBR rates differ by utility as shown in the table below. Eversource and
 10 Unitil are both proposing a separate LBR rate for Residential and C&I sectors for all
 11 three years, similar to the EE portion of the SBC rate and aligns the LBR rate with the
 12 sector where the savings are being achieved. Lost revenues do not apply to NHEC;
 13 therefore, an LBR rate is not utilized by NHEC.

2021	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00065	N/A	\$0.00068	\$0.00120
C&I	\$0.00091	N/A	\$0.00068	\$0.00129
2022	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00102	N/A	N/A	\$0.00145
C&I	\$0.00159	N/A	N/A	\$0.00121
2023	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00118	N/A	N/A	\$0.00186
C&I	\$0.00220	N/A	N/A	\$0.00130

14

1 **Q. Has Liberty included an LBR rate in this filing?**

2 A. Yes, but only to collect an under recovery for 2019 and recover LBR for 2020. In Docket
3 No. DE 17-136, Liberty's 2020 LBR rate was not approved. Subsequently in the
4 Company's rate case, Docket No. DE 19-064, the Settlement Agreement provided that

5 In return for Liberty agreeing to a later date to implement
6 decoupling, the parties agree that Liberty shall be permitted
7 to continue the Lost Revenue Adjustment Mechanism
8 (LRAM) for calendar years 2019 and 2020. Final
9 determination of the LRAM and SBC for billing will be
10 made in DE 17-136, or subsequent energy efficiency
11 dockets. The Settling Parties shall review and approve tariff
12 language implementing the decoupling mechanism prior to
13 Liberty's submission of the decoupling tariff to the
14 Commission in sufficient time for the scheduled July 1,
15 2021, implementation.

16 The Company is providing the calculation of LBR in compliance with the Agreement and
17 the order approving it.

18 **Q. Please explain how the LBR rate was calculated?**

19 A. As shown on page 9 of Attachment E3 (Eversource) and page 4 of Attachment H3
20 (Unitil), the sum of the forecast lost base revenue, plus the prior year balance, plus
21 current year interest, is divided by the forecast deliveries to arrive at the proposed rate.
22 Pages 10 through 13 of Attachment E3 (Eversource) and page 5 of Attachment H3
23 (Unitil) provides the supporting savings calculations for the 2020 through 2023 projected
24 lost revenues. Page 14 of Attachment E3 (Eversource) and page 6 of Attachment H3
25 (Unitil) provides a reconciliation of the actual and forecasted monthly revenues collected
26 from the LBR rate during 2020. Pages 15 and 16 of Attachment E3 (Eversource)
27 provides a reconciliation of the actual and forecasted monthly revenues collected from

1 the LBR rate during 2021. Page 17 of Attachment E3 (Eversource) and page 8 of
2 Attachment H3 (Unitil) provides a computation of the average sector distribution rates for
3 use in the lost revenue calculation. Additional details supporting the average rate
4 calculation starts on page 19 of Attachment E3 (Eversource) and page 10 of Attachment
5 H3 (Unitil).

6 **Q. Are there changes in the way that lost base revenue is calculated in the 2020-2023**
7 **time period?**

8 A. The 2021-2023 LBR is calculated consistent with the methodology used in the 2020 LBR
9 calculation. However, Eversource and Unitil are proposing a separate LBR calculation
10 for the Residential and C&I sectors to align the LBR rate with the sector producing the
11 lost revenues. As demonstrated on pages 10 through 13 of Attachments E3 (Eversource)
12 and page 5 of Attachment H3 (Unitil), measures installed after 2018 have their lost base
13 revenue calculated by adding two “separate” calculations; the kWh savings are multiplied
14 by the sector’s kWh LBR Average Distribution Rate, then the kW savings are multiplied
15 by the sector’s kW LBR Average Distribution Rate. The addition of these two
16 calculations results in the total lost base revenue for measures installed. For all measures
17 installed on or after January 1, 2019, this method is used to calculate lost base revenue for
18 the life of the measure. Further details are provided within the August 29, 2018 NH LBR
19 Working Group Report¹.

¹ August 29, 2018 Working Group Report in Docket No. DE 17-136 EERS LBR Working Group
https://www.puc.nh.gov/EESE%20Board/EERS_WG/20180829-EERS-WG-LBR-Report-On-LBR.docx

1 **Q. Is a specific annual LBR rate being proposed for approval for the 2021-2023 period,**
2 **consistent with the EE portion of the SBC rate?**

3 A. Yes, a specific rate for LBR by sector is being proposed for Eversource and Unitil. The
4 LBR portion of the SBC rate would utilize an annual “trigger mechanism” approach,
5 similar to the EE portion of the SBC rate. If the LBR rate increases or decreases by ten
6 percent, the utility would file a technical statement on December 10 without an
7 adjudicative process. If the LBR rate changes by more than plus or minus ten percent, the
8 utility would make a formal filing by October 10 and an adjudicative process would be
9 conducted to approve the increase or decrease in the rate for effect January 1 of the
10 following year.

11 **IV. TOTAL SBC AND BILL IMPACTS**

12 **Q. What is the total proposed SBC?**

13 A. Table 4 below provides the total proposed SBC with Attachments E3 (Eversource), F3
14 (Liberty), G3 (NHEC), and H3 (Unitil) providing the full calculation of the rates,
15 including the EE, EAP and LBR components of the SBC rate.

2021	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00866	\$0.00988	\$0.00719	\$0.00885
Commercial	\$0.01270	\$0.01056	\$0.00712	\$0.01146
2022	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00898	\$0.01023	\$0.01014	\$0.01068
Commercial	\$0.01807	\$0.01186	\$0.00993	\$0.01341
2023	Eversource	NHEC	Liberty	Unitil
Residential	\$0.00941	\$0.01003	\$0.01072	\$0.01103
Commercial	\$0.02432	\$0.01155	\$0.01211	\$0.01613

1

2 **Q. Have you provided bill impacts associated with the proposed SBC?**

3 A. Yes. The bill impact for a typical residential and C&I customer is provided on Page 18 of
4 Attachment E3 (Eversource), Page 6 of Attachment F3 (Liberty), Page 8 of Attachment
5 G3 (NHEC), and Page 9 of Attachment H3 (Unitil).

6 **Q. Do the utilities require Commission approval of the SBC billed to customers by a
7 specific date?**

8 A. Yes, the utilities request approval of the SBC by December 28, 2020, in order to
9 implement the new rate for service rendered on and after January 1, 2021.

10 **V. NORTHERN'S EEC AND LRR**

11 **Q. Turning to gas, what is Northern presenting for the EEC and LRR?**

12 A. Northern is presenting the EEC and LRR in Attachments J3 (EEC) and J5 (LRR). These
13 attachments are being provided for informational purposes only at this time. The final
14 proposed rates will be filed in Northern's upcoming Annual Cost of Gas filing due on or
15 before September 15, 2020.

1 **Q. What is the purpose of the EEC?**

2 A. The purpose of the EEC is to recover from firm ratepayers Energy Efficiency program
3 costs and performance incentives.

4 **Q. What are the changes to the EEC?**

5 A. The EEC for the residential classes is projected to increase from \$0.0499 per therm to
6 \$0.0774 per therm, and the EEC is projected to increase from \$0.0247 per therm to
7 \$0.0337 per therm for the commercial and industrial customer classes effective
8 November 1, 2020. The rate calculation is provided on Attachment J3, Page 2 of 4.

9 **Q. Please describe the reason for these changes to and describe the derivation of the
10 EEC.**

11 A. The changes to the EEC are necessitated by the implementation of Northern's calendar
12 year 2020 energy efficiency program budget. That budget is provided in Attachment J3,
13 Page 1 of 4. The EEC is provided on Page 2 of 4. As shown, the rate is derived by
14 customer class and includes an annual reconciliation of the program costs and
15 performance incentives with an adjustment for the low-income discount costs. The
16 projected reconciliation of costs and revenues is provided on Pages 3 and 4 for the
17 residential classes and commercial and industrial classes, respectively.

18 **Q. What is the LRR calculated for effect November 1, 2020?**

19 A. The calculated LRR for the residential classes is \$0.0220 per therm and the LRR for the
20 Commercial classes is \$0.0030. This is an increase of \$0.0106 from the currently

1 effective rate of \$0.0114 for Residential Customers and an increase of \$0.0011 from the
2 currently effective rate of \$0.0019 for C&I Customers.

3 **Q. Please explain the calculation of the proposed LRR?**

4 A. The calculation of the LRR is provided on Attachment J5. As shown on Page 1 of 6, the
5 LRR for each sector (residential and commercial/industrial) is derived by dividing the
6 projected annual lost revenue, plus the reconciliation balance, plus projected interest, by
7 forecast firm annual throughput. Page 2 of 6 provides the projected reconciliation of costs
8 and revenue for the period November 2019 through October 2020. Pages 2a through 2c
9 provide forecast reconciliations of November through October, 2020 – 2021, 2021 – 2022
10 and 2022 – 2023. Pages 3-3c provide the calculation of estimated lost distribution
11 revenue based on estimated savings. Page 4 of 6 provides further detail for the estimated
12 savings that are used in the calculation of lost revenue on Page 2 of 6. Page 5 of 6
13 provides the calculation of the Company's average distribution rates by sector that is used
14 in the calculation of estimated lost revenue beginning January 1, 2020 Page 6 of 6
15 provides bill impacts for the 2021 – 2023 period.

16 **Q. Will Northern be updating the EEC and LRR?**

17 A. Yes. As previously indicated, Northern is providing the EEC and LRR schedules for
18 informational purposes only and is not seeking approval the EEC and LLR through this
19 docket. The EEC and LRR will be filed in the upcoming Annual 2020 Cost of Gas Filing
20 that will be submitted to the Commission on, or before, September 15, 2020.

1 VI. **CONCLUSION**

2 Q. **Does this conclude your testimony?**

3 A. Yes, it does.

PSNH d/b/a Eversource Energy

C&I Savings - New Component for Year 2021

Line	Description	Eversource
1	Gross Annualized kWh Savings	93,121,456
2	Maximum Demand Factor (MDF)	Varies based on measure mix
3	Extended Max. Load Reduction kW	16,535.5
4	% kW Demand Reduction at Customer Peak	Varies based on measure mix
5	Sub-Total Customer Peak kW Reduction	11,141.1
6	% Net to Gross	Varies based on measure mix
7	Sub-Total Customer Peak kW Reduction	10,721.6
8	% In-Service Rate	Varies based on measure mix
9	Sub-Total Customer Peak kW Reduction	10,662.8
10	% kW Realization Rate	Varies based on measure mix
11	Sub-Total Customer Peak kW Reduction	10,637.5
12	% Billing Adjustment to Reflect Ratchets (1)	100.00%
13	Sub-Total Customer Peak kW Reduction	10,637.5
14	% Retirement Adjustment	100.00%
15	Total Customer Peak kW Reduction, Full Year	10,637.5
16	% Annual Savings Achieved in First Year	50.00%
17	Total Customer Peak Red. in First Year	10,194
18	Annualized (x12)	127,650
19	Average Distribution Rate (ADR)	\$ 6.46
20	Total C&I kW LBR	\$ 412,233

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

PSNH d/b/a Eversource Energy

C&I Savings - New Component for Year 2022

Line	Description	Eversource
1	Gross Annualized kWh Savings	118,548,300
2	Maximum Demand Factor (MDF)	Varies based on measure mix
3	Extended Max. Load Reduction kW	20,447.4
4	% kW Demand Reduction at Customer Peak	Varies based on measure mix
5	Sub-Total Customer Peak kW Reduction	13,499.8
6	% Net to Gross	Varies based on measure mix
7	Sub-Total Customer Peak kW Reduction	13,017.8
8	% In-Service Rate	Varies based on measure mix
9	Sub-Total Customer Peak kW Reduction	12,976.3
10	% kW Realization Rate	Varies based on measure mix
11	Sub-Total Customer Peak kW Reduction	12,958.1
12	% Billing Adjustment to Reflect Ratchets (1)	100.00%
13	Sub-Total Customer Peak kW Reduction	12,958.1
14	% Retirement Adjustment	100.00%
15	Total Customer Peak kW Reduction, Full Year	12,958.1
16	% Annual Savings Achieved in First Year	50.00%
17	Total Customer Peak Red. in First Year	12,418
18	Annualized (x12)	155,497
19	Average Distribution Rate (ADR)	\$ 6.46
20	Total C&I kW LBR	\$ 502,161

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

PSNH d/b/a Eversource Energy

C&I Savings - New Component for Year 2023

Line	Description	Eversource
1	Gross Annualized kWh Savings	149,242,141
2	Maximum Demand Factor (MDF)	Varies based on measure mix
3	Extended Max. Load Reduction kW	25,290.7
4	% kW Demand Reduction at Customer Peak	Varies based on measure mix
5	Sub-Total Customer Peak kW Reduction	16,408.9
6	% Net to Gross	Varies based on measure mix
7	Sub-Total Customer Peak kW Reduction	16,009.3
8	% In-Service Rate	Varies based on measure mix
9	Sub-Total Customer Peak kW Reduction	15,987.8
10	% kW Realization Rate	Varies based on measure mix
11	Sub-Total Customer Peak kW Reduction	15,822.3
12	% Billing Adjustment to Reflect Ratchets (1)	100.00%
13	Sub-Total Customer Peak kW Reduction	15,822.3
14	% Retirement Adjustment	100.00%
15	Total Customer Peak kW Reduction, Full Year	15,822.3
16	% Annual Savings Achieved in First Year	50.00%
17	Total Customer Peak Red. in First Year	15,163
18	Annualized (x12)	189,868
19	Average Distribution Rate (ADR)	\$ 6.46
20	Total C&I kW LBR	\$ 613,160

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

PSNH d/b/a Eversource Energy

Calculation for LBR New Methodology for Year 2021

Line	Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018): (1)						
1	Program Year 2017 LBR Savings (2)	-	-	-	-	Company Records
2	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
3	Sub-Total LBR	\$ -	\$ -	\$ -	\$ -	Line 1 * Line 2
4	Program Year 2018 LBR Savings (2)	7,121,114	38,157,478	-		Company Records
5	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
6	Sub-Total LBR	\$ 313,354	\$ 1,067,675	\$ -	\$ 1,381,029	Line 4 * Line 5
7	Sub-Total Legacy Methodology LBR	\$ 313,354	\$ 1,067,675	\$ -	\$ 1,381,029	Line 3 + Line 6
New Methodology (Measures Installed in 2019 and forward): (3)						
8	Program Year 2019 LBR Savings	18,035,905	70,845,870	127,768		Company Records
9	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
10	Sub-Total LBR	\$ 793,642	\$ 794,264	\$ 825,226	\$ 2,413,132	Line 8 * Line 9
11	Program Year 2020 LBR Savings estimated	26,377,578	58,915,156	117,072		Company Forecast
12	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
13	Sub-Total LBR	\$ 1,160,705	\$ 660,507	\$ 756,144	\$ 2,577,356	Line 11 * Line 12
14	Program Year 2021 LBR Savings estimated (annualized)	18,910,761	91,761,370	127,650		Company Forecast
15	Program Year 2021 LBR Savings in 2021	9,455,380	45,880,685	63,825		Company Forecast
16	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
17	Sub-Total LBR	\$ 416,069	\$ 514,375	\$ 412,233	\$ 1,342,678	Line 15 * Line 16
18	Sub-Total New Methodology LBR	\$ 2,370,417	\$ 1,969,146	\$1,993,604	\$ 6,333,166	Line 10 + Line 13 + Line 17
19	Total LBR - Year 2021	\$ 2,683,770	\$ 3,036,821	\$1,993,604	\$ 7,714,195	Line 7 + Line 18

*Numbers may not add due to rounding.

Comments

- (1) Legacy portion utilizes old methodology for calculating LBR i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
- (2) Actual LBR Savings reset as part of DE 19-057 Rate Case
- (3) New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17.36 (Order No. 26,095)

PSNH d/b/a Eversource Energy

Calculation for LBR New Methodology for Year 2022

Line	Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018): (1)						
1	Program Year 2017 LBR Savings (2)	-	-	-	-	Company Records
2	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
3	Sub-Total LBR	\$ -	\$ -	\$ -	\$ -	Line 1 * Line 2
4	Program Year 2018 LBR Savings (2)	6,795,031	38,157,478	-		Company Records
5	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
6	Sub-Total LBR	\$ 299,005	\$ 1,067,675	\$ -	\$ 1,366,680	Line 4 * Line 5
7	Sub-Total Legacy Methodology LBR	\$ 299,005	\$ 1,067,675	\$ -	\$ 1,366,680	Line 3 + Line 6
New Methodology (Measures Installed in 2019 and forward): (3)						
8	Program Year 2019 LBR Savings	14,909,999	70,845,870	127,768		Company Records
9	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
10	Sub-Total LBR	\$ 656,092	\$ 794,264	\$ 825,226	\$ 2,275,582	Line 8 * Line 9
11	Program Year 2020 LBR Savings estimated	26,377,578	58,915,156	117,072		Company Forecast
12	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
13	Sub-Total LBR	\$ 1,160,705	\$ 660,507	\$ 756,144	\$ 2,577,356	Line 11 * Line 12
14	Program Year 2021 LBR Savings estimated	18,910,761	91,761,370	127,650		Company Forecast
15	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
16	Sub-Total LBR	\$ 832,139	\$ 1,028,751	\$ 824,466	\$ 2,685,356	Line 14 * Line 15
17	Program Year 2022 LBR Savings estimated (annualized)	14,193,803	116,764,842	155,497		Company Forecast
18	Program Year 2022 LBR Savings in 2022	7,096,901	58,382,421	77,748		Company Forecast
19	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
20	Sub-Total LBR	\$ 312,288	\$ 654,534	\$ 502,161	\$ 1,468,984	Line 18 * Line 19
21	Sub-Total New Methodology LBR	\$ 2,961,224	\$ 3,138,055	\$ 2,907,998	\$ 9,007,277	Line 10 + Line 13 + Line 16 + Line 20
22	Total LBR - Year 2022	\$ 3,260,229	\$ 4,205,731	\$ 2,907,998	\$ 10,373,957	Line 7 + Line 21

*Numbers may not add due to rounding.

Comments

- (1) Legacy portion utilizes old methodology for calculating LBR i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
- (2) Actual LBR Savings reset as part of DE 19-057 Rate Case
- (3) New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-36 (Order No. 26,095)

PSNH d/b/a Eversource Energy

Calculation for LBR New Methodology for Year 2023

Line	Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018): (1)						
1	Program Year 2017 LBR Savings (2)	-	-	-	-	Company Records
2	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
3	Sub-Total LBR	\$ -	\$ -	\$ -	\$ -	Line 1 * Line 2
4	Program Year 2018 LBR Savings (2)	6,684,435	38,157,478	-		Company Records
5	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.02798	N/A		Attachment E3
6	Sub-Total LBR	\$ 294,138	\$ 1,067,675	\$ -	\$ 1,361,814	Line 4 * Line 5
7	Sub-Total Legacy Methodology LBR	\$ 294,138	\$ 1,067,675	\$ -	\$ 1,361,814	Line 3 + Line 6
New Methodology (Measures Installed in 2019 and forward): (3)						
8	Program Year 2019 LBR Savings	13,767,029	70,845,870	127,768		Company Records
9	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
10	Sub-Total LBR	\$ 605,797	\$ 794,264	\$ 825,226	\$ 2,225,287	Line 8 * Line 9
11	Program Year 2020 LBR Savings estimated	26,377,578	58,915,156	117,072		Company Forecast
12	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
13	Sub-Total LBR	\$ 1,160,705	\$ 660,507	\$ 756,144	\$ 2,577,356	Line 11 * Line 12
14	Program Year 2021 LBR Savings estimated	18,910,761	91,761,370	127,650		Company Forecast
15	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
16	Sub-Total LBR	\$ 832,139	\$ 1,028,751	\$ 824,466	\$ 2,685,356	Line 14 * Line 15
17	Program Year 2022 LBR Savings estimated	14,193,803	116,764,842	155,497		Company Forecast
18	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
19	Sub-Total LBR	\$ 624,576	\$ 1,309,068	\$1,004,323	\$ 2,937,968	Line 17 * Line 18
20	Program Year 2023 LBR Savings estimated (annualized)	13,211,175	147,526,270	189,868		Company Forecast
21	Program Year 2023 LBR Savings in 2023	6,605,587	73,763,135	94,934		Company Forecast
22	Average Distribution Rate (ADR)	\$ 0.04400	\$ 0.01121	\$ 6.46		Attachment E3
23	Sub-Total LBR	\$ 290,669	\$ 826,970	\$ 613,160	\$ 1,730,798	Line 21 * Line 22
24	Sub-Total New Methodology LBR	\$ 3,513,886	\$ 4,619,559	\$4,023,319	\$12,156,765	Line 10 + Line 13 + Line 16 + Line 19 + Line 23
25	Total LBR - Year 2023	\$ 3,808,024	\$ 5,687,235	\$4,023,319	\$13,518,578	Line 7 + Line 24

*Numbers may not add due to rounding.

Comments

- (1) Legacy portion utilizes old methodology for calculating LBR i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
- (2) Actual LBR Savings reset as part of DE 19-057 Rate Case
- (3) New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-36 (Order No. 26,095)

Unitil Energy Systems, Inc.

C&I Savings - New Component for Year 2021

Line	Description	Unitil
1	Gross Annualized kWh Savings	10,616,063
2	Maximum Demand Factor (MDF)	<u>Varies based on measure mix</u>
3	Extended Max. Load Reduction kW	1,440.2
4	% kW Demand Reduction at Customer Peak	<u>Varies based on measure mix</u>
5	Sub-Total Customer Peak kW Reduction	816.0
6	% Net to Gross	<u>Varies based on measure mix</u>
7	Sub-Total Customer Peak kW Reduction	766.5
8	% In-Service Rate	<u>Varies based on measure mix</u>
9	Sub-Total Customer Peak kW Reduction	766.5
10	% kW Realization Rate	<u>Varies based on measure mix</u>
11	Sub-Total Customer Peak kW Reduction	766.5
12	% Billing Adjustment to Reflect Ratchets (1)	100.00%
13	Sub-Total Customer Peak kW Reduction	766.5
14	% Retirement Adjustment	100.00%
15	Total Customer Peak kW Reduction, Full Year	766.5
16	% Annual Savings Achieved in First Year	51%
17	Total Customer Peak Red. in First Year	388.2
18	Annualized (x12)	4,659.0
19	Average Distribution Rate (ADR)	\$ 9.16
20	Total C&I kW LBR	<u>\$ 42,676</u>

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

Unitil Energy Systems, Inc.

C&I Savings - New Component for Year 2022

Line	Description	Unitil
1	Gross Annualized kWh Savings	12,339,688
2	Maximum Demand Factor (MDF)	<u>Varies based on measure mix</u>
3	Extended Max. Load Reduction kW	1,166.2
4	% kW Demand Reduction at Customer Peak	<u>Varies based on measure mix</u>
5	Sub-Total Customer Peak kW Reduction	612.8
6	% Net to Gross	<u>Varies based on measure mix</u>
7	Sub-Total Customer Peak kW Reduction	571.7
8	% In-Service Rate	<u>Varies based on measure mix</u>
9	Sub-Total Customer Peak kW Reduction	571.7
10	% kW Realization Rate	<u>Varies based on measure mix</u>
11	Sub-Total Customer Peak kW Reduction	571.7
12	% Billing Adjustment to Reflect Ratchets (1)	100.00%
13	Sub-Total Customer Peak kW Reduction	571.7
14	% Retirement Adjustment	100.00%
15	Total Customer Peak kW Reduction, Full Year	571.7
16	% Annual Savings Achieved in First Year	50%
17	Total Customer Peak Red. in First Year	285.9
18	Annualized (x12)	3,430.4
19	Average Distribution Rate (ADR)	\$ 9.16
20	Total C&I kW LBR	<u>\$ 31,423</u>

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

Unitil Energy Systems, Inc.

C&I Savings - New Component for Year 2023

Line	Description	Unitil
1	Gross Annualized kWh Savings	14,862,555
2	Maximum Demand Factor (MDF)	<u>Varies based on measure mix</u>
3	Extended Max. Load Reduction kW	1,236.5
4	% kW Demand Reduction at Customer Peak	<u>Varies based on measure mix</u>
5	Sub-Total Customer Peak kW Reduction	625.6
6	% Net to Gross	<u>Varies based on measure mix</u>
7	Sub-Total Customer Peak kW Reduction	588.6
8	% In-Service Rate	<u>Varies based on measure mix</u>
9	Sub-Total Customer Peak kW Reduction	588.6
10	% kW Realization Rate	<u>Varies based on measure mix</u>
11	Sub-Total Customer Peak kW Reduction	588.6
12	% Billing Adjustment to Reflect Ratchets (1)	<u>100.00%</u>
13	Sub-Total Customer Peak kW Reduction	588.6
14	% Retirement Adjustment	<u>100.00%</u>
15	Total Customer Peak kW Reduction, Full Year	588.6
16	% Annual Savings Achieved in First Year	<u>50%</u>
17	Total Customer Peak Red. in First Year	294.3
18	Annualized (x12)	3,531.6
19	Average Distribution Rate (ADR)	<u>\$ 9.16</u>
20	Total C&I kW LBR	<u><u>\$ 32,349</u></u>

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

DE 20-092 EXHIBIT 1 Part 3 & 4

DE 20-092
 Calculation of the Estimated LBR for 2021 (cumulative 2017-2021)
 Unitil Energy Systems, Inc.

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Calculation of the Estimated LBR for 2022 (cumulative 2017-2021)
 Page 1 of 1

Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018):	(Note 1)				
1. Program Year 2017 Actual LBR Savings	1,344,216	6,004,884	-	7,349,100	DE 14-216, 2017 Annual Report, P. 3
2. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
3. Sub-Total LBR	\$ 47,827	\$ 193,177	\$ -	\$ 241,004	Line 1 * Line 2
4. Program Year 2018 Actual LBR Savings	(Note 2)				
5. Program Year 2018 Actual Retired LBR Savings	2,868,216	6,708,144	-	9,576,360	DE 17-136, 2018 Annual Report, P. 3
6. Average Distribution Rate (ADR)	(385,652)	-	-	(385,652)	DE 17-136, 2019 Annual Report, P. 3
7. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
8. Sub-Total Legacy Savings (Measures Installed in 2017 and 2018)	\$ 88,330	\$ 215,801	\$ -	\$ 304,130	(Line 4 + Line 5) * Line 6
New Methodology (Measures Installed in 2019 and forward):	(Note 3)				
9. Program Year 2019 Actual LBR Savings	4,692,054	6,410,154	13,686	11,115,894	DE 17-136, 2019 Annual Report, P. 3
10. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
11. Sub-Total LBR	\$ 166,943	\$ 1,538	\$ 125,362	\$ 293,843	Line 9 * Line 10
12. Program Year 2020 Estimated LBR Savings	3,214,309	10,734,644	13,216	13,962,169	DE 17-136, 2020 Planned Savings
13. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
14. Sub-Total LBR	\$ 114,365	\$ 2,576	\$ 121,061	\$ 238,003	Line 12 * Line 13
15. Program Year 2021 Estimated LBR Savings (annualized)	5,418,938	10,495,391	9,318	15,923,647	DE 20-092 Planned Savings
16. Program Year 2021 Estimated LBR Savings in 2021	2,745,144	5,316,790	4,659	8,066,593	DE 20-092 Attachment H3
17. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
18. Sub-Total LBR	\$ 97,672	\$ 1,276	\$ 42,676	\$ 141,624	Line 16 * Line 17
19. Sub-Total "New Method" LBR - 2019 Forward	\$ 378,981	\$ 5,391	\$ 289,099	\$ 673,470	Line 11 + Line 14 + Line 18
20. Total 2021 Estimated LBR	\$ 515,137	\$ 414,369	\$ 289,099	\$ 1,218,605	Line 8 + Line 19

Comments

1. Legacy portion utilizes old methodology for calculating LBR - i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
2. Actual LBR Savings differ from program savings as the 110% LBR cap was reached
3. New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-136 (Order No. 26,095).

DE 20-092 EXHIBIT 1 Part 3 & 4

DE 20-092
 Calculation of the Estimated LBR for 2022 (cumulative 2017-2022)
 Unifil Energy Systems, Inc.

Unifil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Calculation of the Estimated LBR for 2022 (cumulative 2017-2022)
 Page 1 of 1

Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018):	(Note 1)				
1. Program Year 2017 Actual LBR Savings	1,344,216	6,004,884	-	7,349,100	DE 14-216, 2017 Annual Report, P. 3
2. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
3. Sub-Total LBR	\$ 47,827	\$ 193,177	\$ -	\$ 241,004	Line 1 * Line 2
4. Program Year 2018 Actual LBR Savings	(Note 2)				
5. Program Year 2018 Actual Retired LBR Savings	2,868,216	6,708,144	-	9,576,360	DE 17-136, 2018 Annual Report, P. 3
6. Average Distribution Rate (ADR)	(385,652)	-	-	(385,652)	DE 17-136, 2019 Annual Report, P. 3
7. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
	\$ 88,330	\$ 215,801	\$ -	\$ 304,130	(Line 4 + Line 5) * Line 6
8. Sub-Total Legacy Savings (Measures Installed in 2017 and 2018)	\$ 136,157	\$ 408,978	\$ -	\$ 545,135	Line 3 + Line 7
New Methodology (Measures Installed in 2019 and forward):	(Note 3)				
9. Program Year 2019 Actual LBR Savings	4,692,054	6,410,154	13,686	11,115,894	DE 17-136, 2019 Annual Report, P. 3
10. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
11. Sub-Total LBR	\$ 166,943	\$ 1,538	\$ 125,362	\$ 293,843	Line 9 * Line 10
12. Program Year 2020 Estimated LBR Savings	3,214,309	10,734,644	13,216	13,962,169	DE 17-136, 2020 Planned Savings
13. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
14. Sub-Total LBR	\$ 114,365	\$ 2,576	\$ 121,061	\$ 238,003	Line 12 * Line 13
15. Program Year 2021 Estimated LBR Savings	5,418,938	10,495,391	9,318	15,923,647	DE 20-092 Planned Savings
16. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
17. Sub-Total LBR	\$ 192,806	\$ 2,519	\$ 85,352	\$ 280,677	Line 15 * Line 16
18. Program Year 2022 Estimated LBR Savings (annualized)	4,986,468	12,163,006	6,861	17,156,334	DE 20-092 Planned Savings
19. Program Year 2022 Estimated LBR Savings in 2022	2,526,062	6,161,576	3,430	8,691,068	DE 20-092 Attachment H3
20. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
21. Sub-Total LBR	\$ 89,877	\$ 1,479	\$ 31,423	\$ 122,779	Line 19 * Line 20
22. Sub-Total "New Method" LBR - 2019 Forward	\$ 563,991	\$ 8,112	\$ 363,198	\$ 935,302	Line 11 + Line 14 + Line 17 + Line 21
23. Total 2022 Estimated LBR	\$ 700,148	\$ 417,090	\$ 363,198	\$ 1,480,436	Line 8 + Line 22

Comments

1. Legacy portion utilizes old methodology for calculating LBR - i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
2. Actual LBR Savings differ from program savings as the 110% LBR cap was reached
3. New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-136 (Order No. 26,095).

DE 20-092 EXHIBIT 1 Part 3 & 4

DE 20-092
 Calculation of the Estimated LBR for 2023 (cumulative 2017-2023)
 Unitil Energy Systems, Inc.

Unitil Energy Systems, Inc.
 NHPUC Docket No. DE 20-092
 Calculation of the Estimated LBR for 2022 (cumulative 2017-2023)
 Page 1 of 1

Description	Residential kWh	Commercial kWh	C&I kW	Total	Reference
Legacy (Measures Installed in 2017 and 2018):	(Note 1)				
1. Program Year 2017 Actual LBR Savings	1,344,216	6,004,884	-	7,349,100	DE 14-216, 2017 Annual Report, P. 3
2. Average Distribution Rate (ADR)	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
3. Sub-Total LBR	\$ 47,827	\$ 193,177	\$ -	\$ 241,004	Line 1 * Line 2
4. Program Year 2018 Actual LBR Savings	(Note 2)				
5. Program Year 2018 Actual Retired LBR Savings	2,868,216	6,708,144	-	9,576,360	DE 17-136, 2018 Annual Report, P. 3
6. Average Distribution Rate (ADR)	(385,652)	-	-	(385,652)	DE 17-136, 2019 Annual Report, P. 3
7. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.03217</u>	-		DE 20-092, Attachment H3 Page 8
8. Sub-Total Legacy Savings (Measures Installed in 2017 and 2018)	\$ 88,330	\$ 215,801	\$ -	\$ 304,130	(Line 4 + Line 5) * Line 6
New Methodology (Measures Installed in 2019 and forward):	(Note 3)				
9. Program Year 2019 Actual LBR Savings	(Note 2)				
10. Average Distribution Rate (ADR)	4,692,054	6,410,154	13,686	11,115,894	DE 17-136, 2019 Annual Report, P. 3
11. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
12. Program Year 2020 Estimated LBR Savings	\$ 166,943	\$ 1,538	\$ 125,362	\$ 293,843	Line 9 * Line 10
13. Average Distribution Rate (ADR)	3,214,309	10,734,644	13,216	13,962,169	DE 17-136, 2020 Planned Savings
14. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
15. Program Year 2021 Estimated LBR Savings	\$ 114,365	\$ 2,576	\$ 121,061	\$ 238,003	Line 12 * Line 13
16. Average Distribution Rate (ADR)	5,418,938	10,495,391	9,318	15,923,647	DE 20-092 Planned Savings
17. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
18. Program Year 2022 Estimated LBR Savings	\$ 192,806	\$ 2,519	\$ 85,352	\$ 280,677	Line 15 * Line 16
19. Average Distribution Rate (ADR)	4,986,468	12,163,006	6,861	17,156,334	DE 20-092 Planned Savings
20. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
21. Program Year 2023 Estimated LBR Savings (annualized)	\$ 177,419	\$ 2,919	\$ 62,845	\$ 243,183	Line 18 * Line 19
22. Program Year 2023 Estimated LBR Savings in 2023	5,690,806	14,624,676	7,063	20,322,545	DE 20-092 Planned Savings
23. Average Distribution Rate (ADR)	2,882,867	7,408,617	3,532	10,295,016	DE 20-092 Attachment H3
24. Sub-Total LBR	<u>\$0.03558</u>	<u>\$0.00024</u>	<u>\$9.16</u>		DE 20-092, Attachment H3 Page 8
25. Sub-Total "New Method" LBR - 2019 Forward	\$ 102,572	\$ 1,778	\$ 32,349	\$ 136,700	Line 22 * Line 23
26. Total 2023 Estimated LBR	\$ 754,105	\$ 11,331	\$ 426,969	\$ 1,192,405	Line 11 + Line 14 + Line 17 + Line 20
	\$ 890,262	\$ 420,309	\$ 426,969	\$ 1,737,540	Line 8 + Line 25

Comments

1. Legacy portion utilizes old methodology for calculating LBR - i.e. it utilizes a combined ADR for measures installed in 2017 and 2018.
2. Actual LBR Savings differ from program savings as the 110% LBR cap was reached
3. New methodology disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-136 (Order No. 26,095).

Description	Therm Savings			Ref.
	Residential	C&I	Total	
Measures Installed in 2017:				
1. Program Year 2017 Actual Therm Savings (Nov - Apr)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
2. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
3. Sub-Total LBR	\$ 24,466	\$ 26,470	\$ 50,936	Ln 1 * Ln 2
4. Program Year 2017 Actual Therm Savings (May - Oct)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
5. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
6. Sub-Total LBR	\$ 21,608	\$ 15,914	\$ 37,522	Ln 4 * Ln 5
7. Total LBR (Measures Installed in 2017)	\$ 46,074	\$ 42,383	\$ 88,458	Ln 3 + Ln 6
Measures Installed in 2018:				
8. Program Year 2018 Actual Therm Savings (Nov - Apr)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
9. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
10. Sub-Total LBR	\$ 40,031	\$ 18,152	\$ 58,182	Ln 8 * Ln 9
11. Program Year 2018 Actual Therm Savings (May - Oct)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
12. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
13. Sub-Total LBR	\$ 35,354	\$ 10,913	\$ 46,267	Ln 11 * Ln 12
14. Total LBR (Measures Installed in 2018)	\$ 75,385	\$ 29,065	\$ 104,450	Ln 10 + Ln 13
Measures Installed in 2019:				
15. Program Year 2019 Estimated Therm Savings (Nov - Apr)	81,308	120,580	201,888	2019 Annual Reports, P2, Annualized Savings/12*6
16. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
17. Sub-Total LBR	\$ 56,230	\$ 24,036	\$ 80,266	Ln 15 * Ln 16
18. Program Year 2019 Estimated Therm Savings (May - Oct)	81,308	120,580	201,888	2019 Update, Att J5, P4 & P5, Annualized Therms
19. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
20. Sub-Total LBR	\$ 49,661	\$ 14,451	\$ 64,112	Ln 18 * Ln 19
21. Total LBR (Measures Installed in 2019)	\$ 105,891	\$ 38,487	\$ 144,378	Ln 17 + Ln 20
Measures Installed in 2020:				
22. Program Year 2020 Estimated Therm Savings (Nov - Apr)	64,728	132,554	197,283	Attachment J5, P4
23. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
24. Sub-Total LBR	\$ 44,764	\$ 26,423	\$ 71,187	Ln 22 * Ln 23
25. Program Year 2020 Estimated Therm Savings (May - Oct)	65,603	135,953	201,556	Attachment J5, P4
26. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
27. Sub-Total LBR	\$ 40,069	\$ 16,293	\$ 56,362	Ln 25 * Ln 26
28. Total LBR (Measures Installed in 2020)	\$ 84,833	\$ 42,716	\$ 127,549	Ln 24 + Ln 27
Measures Installed in 2021:				
29. Program Year 2021 Estimated Therm Savings (Nov - Apr)	6,228	10,929	17,157	Attachment J5, P4
30. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
31. Sub-Total LBR	\$ 4,307	\$ 2,179	\$ 6,486	Ln 29 * Ln 30
32. Program Year 2021 Estimated Therm Savings (May - Oct)	45,898	63,479	109,378	Attachment J5, P4
33. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
34. Sub-Total LBR	\$ 28,034	\$ 7,608	\$ 35,641	Ln 32 * Ln 33
35. Total LBR (Measures Installed in 2021)	\$ 32,341	\$ 9,786	\$ 42,127	Ln 31 + Ln 34
36. Grand Total Forecasted LBR (Nov 2020 to Oct 2021)	\$ 344,524	\$ 162,437	\$ 506,960	Ln 7 + Ln 14 + Ln 21 + Ln 28 + Ln 35

*November 2020 through October 2021

Description	Therm Savings			Ref.
	Residential	C&I	Total	
Measures Installed in 2017:				
1. Program Year 2017 Actual Therm Savings (Nov - Apr)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
2. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
3. Sub-Total LBR	\$ 24,466	\$ 26,470	\$ 50,936	Ln 1 * Ln 2
4. Program Year 2017 Actual Therm Savings (May - Oct)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
5. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
6. Sub-Total LBR	\$ 21,608	\$ 15,914	\$ 37,522	Ln 4 * Ln 5
7. Total LBR (Measures Installed in 2017)	\$ 46,074	\$ 42,383	\$ 88,458	Ln 3 + Ln 6
Measures Installed in 2018:				
8. Program Year 2018 Actual Therm Savings (Nov - Apr)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
9. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
10. Sub-Total LBR	\$ 40,031	\$ 18,152	\$ 58,182	Ln 8 * Ln 9
11. Program Year 2018 Actual Therm Savings (May - Oct)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
12. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
13. Sub-Total LBR	\$ 35,354	\$ 10,913	\$ 46,267	Ln 11 * Ln 12
14. Total LBR (Measures Installed in 2018)	\$ 75,385	\$ 29,065	\$ 104,450	Ln 10 + Ln 13
Measures Installed in 2019:				
15. Program Year 2019 Estimated Therm Savings (Nov - Apr)	81,308	120,580	201,888	2019 Annual Reports, P2, Annualized Savings/12*6
16. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
17. Sub-Total LBR	\$ 56,230	\$ 24,036	\$ 80,266	Ln 15 * Ln 16
18. Program Year 2019 Estimated Therm Savings (May - Oct)	81,308	120,580	201,888	2019 Update, Att J5, P4 & P5, Annualized Therms
19. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
20. Sub-Total LBR	\$ 49,661	\$ 14,451	\$ 64,112	Ln 18 * Ln 19
21. Total LBR (Measures Installed in 2019)	\$ 105,891	\$ 38,487	\$ 144,378	Ln 17 + Ln 20
Measures Installed in 2020:				
22. Program Year 2020 Estimated Therm Savings (Nov - Apr)	65,603	135,953	201,556	Attachment J5, P4
23. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
24. Sub-Total LBR	\$ 45,369	\$ 27,101	\$ 72,469	Ln 22 * Ln 23
25. Program Year 2020 Estimated Therm Savings (May - Oct)	65,603	135,953	201,556	Attachment J5, P4
26. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
27. Sub-Total LBR	\$ 40,069	\$ 16,293	\$ 56,362	Ln 25 * Ln 26
28. Total LBR (Measures Installed in 2020)	\$ 85,438	\$ 43,394	\$ 128,831	Ln 24 + Ln 27
Measures Installed in 2021:				
29. Program Year 2021 Estimated Therm Savings (Nov - Apr)	80,152	136,027	216,180	Attachment J5, P4
30. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
31. Sub-Total LBR	\$ 55,431	\$ 27,115	\$ 82,546	Ln 29 * Ln 30
32. Program Year 2021 Estimated Therm Savings (May - Oct)	81,236	139,515	220,751	Attachment J5, P4
33. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
34. Sub-Total LBR	\$ 49,617	\$ 16,720	\$ 66,337	Ln 32 * Ln 33
35. Total LBR (Measures Installed in 2021)	\$ 105,048	\$ 43,835	\$ 148,883	Ln 31 + Ln 34
Measures Installed in 2022:				
36. Program Year 2022 Estimated Therm Savings (Nov - Apr)	7,847	16,242	24,088	Attachment J5, P4
37. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
38. Sub-Total LBR	\$ 5,427	\$ 3,238	\$ 8,664	Ln 36 * Ln 37
39. Program Year 2022 Estimated Therm Savings (May - Oct)	57,827	94,340	152,167	Attachment J5, P4
40. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
41. Sub-Total LBR	\$ 35,320	\$ 11,306	\$ 46,626	Ln 39 * Ln 40
42. Total LBR (Measures Installed in 2022)	\$ 40,746	\$ 14,543	\$ 55,290	Ln 38 + Ln 41
43. Grand Total Forecasted LBR (Nov 2021 to Oct 2022)	\$ 458,582	\$ 211,707	\$ 670,289	Ln 7 + Ln 14 + Ln 21 + Ln 28 + Ln 35 + Ln 42

*November 2021 through October 2022

Description	Therm Savings			Ref.
	Residential	C&I	Total	
Measures Installed in 2017:				
1. Program Year 2017 Actual Therm Savings (Nov - Apr)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
2. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
3. Sub-Total LBR	\$ 24,466	\$ 26,470	\$ 50,936	Ln 1 * Ln 2
4. Program Year 2017 Actual Therm Savings (May - Oct)	35,378	132,787	168,165	2017 Annual Report, P2, Annualized Savings/12*6
5. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
6. Sub-Total LBR	\$ 21,608	\$ 15,914	\$ 37,522	Ln 4 * Ln 5
7. Total LBR (Measures Installed in 2017)	\$ 46,074	\$ 42,383	\$ 88,458	Ln 3 + Ln 6
Measures Installed in 2018:				
8. Program Year 2018 Actual Therm Savings (Nov - Apr)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
9. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
10. Sub-Total LBR	\$ 40,031	\$ 18,152	\$ 58,182	Ln 8 * Ln 9
11. Program Year 2018 Actual Therm Savings (May - Oct)	57,884	91,060	148,944	2018 Annual Reports, P2, Annualized Savings/12*6
12. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
13. Sub-Total LBR	\$ 35,354	\$ 10,913	\$ 46,267	Ln 11 * Ln 12
14. Total LBR (Measures Installed in 2018)	\$ 75,385	\$ 29,065	\$ 104,450	Ln 10 + Ln 13
Measures Installed in 2019:				
15. Program Year 2019 Estimated Therm Savings (Nov - Apr)	81,308	120,580	201,888	2019 Annual Reports, P2, Annualized Savings/12*6
16. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
17. Sub-Total LBR	\$ 56,230	\$ 24,036	\$ 80,266	Ln 15 * Ln 16
18. Program Year 2019 Estimated Therm Savings (May - Oct)	81,308	120,580	201,888	2019 Update, Att J5, P4 & P5, Annualized Therms
19. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
20. Sub-Total LBR	\$ 49,661	\$ 14,451	\$ 64,112	Ln 18 * Ln 19
21. Total LBR (Measures Installed in 2019)	\$ 105,891	\$ 38,487	\$ 144,378	Ln 17 + Ln 20
Measures Installed in 2020:				
22. Program Year 2020 Estimated Therm Savings (Nov - Apr)	65,603	135,953	201,556	Attachment J5, P4
23. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
24. Sub-Total LBR	\$ 45,369	\$ 27,101	\$ 72,469	Ln 22 * Ln 23
25. Program Year 2020 Estimated Therm Savings (May - Oct)	65,603	135,953	201,556	Attachment J5, P4
26. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
27. Sub-Total LBR	\$ 40,069	\$ 16,293	\$ 56,362	Ln 25 * Ln 26
28. Total LBR (Measures Installed in 2020)	\$ 85,438	\$ 43,394	\$ 128,831	Ln 24 + Ln 27
Measures Installed in 2021:				
29. Program Year 2021 Estimated Therm Savings (Nov - Apr)	81,236	139,515	220,751	Attachment J5, P4
30. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
31. Sub-Total LBR	\$ 56,180	\$ 27,811	\$ 83,991	Ln 29 * Ln 30
32. Program Year 2021 Estimated Therm Savings (May - Oct)	81,236	139,515	220,751	Attachment J5, P4
33. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
34. Sub-Total LBR	\$ 49,617	\$ 16,720	\$ 66,337	Ln 32 * Ln 33
35. Total LBR (Measures Installed in 2021)	\$ 105,797	\$ 44,531	\$ 150,327	Ln 31 + Ln 34
Measures Installed in 2022:				
36. Program Year 2022 Estimated Therm Savings (Nov - Apr)	100,985	202,156	303,141	Attachment J5, P4
37. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
38. Sub-Total LBR	\$ 69,838	\$ 40,297	\$ 110,135	Ln 36 * Ln 37
39. Program Year 2022 Estimated Therm Savings (May - Oct)	102,349	207,340	309,689	Attachment J5, P4
40. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
41. Sub-Total LBR	\$ 62,513	\$ 24,848	\$ 87,361	Ln 39 * Ln 40
42. Total LBR (Measures Installed in 2022)	\$ 132,350	\$ 65,146	\$ 197,496	Ln 38 + Ln 41
Measures Installed in 2023:				
43. Program Year 2023 Estimated Therm Savings (Nov - Apr)	10,256	21,761	32,017	Attachment J5, P4
44. Average Distribution Rates (ADR) (Nov - Apr)	\$0.6916	\$0.1993		Attachment J5, P3
45. Sub-Total LBR	\$ 7,093	\$ 4,338	\$ 11,430	Ln 43 * Ln 44
46. Program Year 2023 Estimated Therm Savings (May - Oct)	75,581	126,399	201,979	Attachment J5, P4
47. Average Distribution Rates (ADR) (May - Oct)	\$0.6108	\$0.1198		Attachment J5, P3
48. Sub-Total LBR	\$ 46,163	\$ 15,148	\$ 61,311	Ln 46 * Ln 47
49. Total LBR (Measures Installed in 2023)	\$ 53,256	\$ 19,486	\$ 72,741	Ln 45 + Ln 48
43. Grand Total Forecasted LBR (Nov 2022 to Oct 2023)	\$ 604,191	\$ 282,490	\$ 886,681	Ln 7 + Ln 14 + Ln 21 + Ln 28 + Ln 35 + Ln 42
	\$ 604,191	\$ 282,490	\$ 886,681	

*November 2022 through October 2023

Attachment M: Bill and Rate Impacts of 2021-2023 Plan

The regulated utilities estimated the following bill and rate impacts of the 2021-2023 plan using Synapse Energy Economics' bill and rate impact model, which is still in the process of being finalized, and is meant to calculate the impacts of the proposed energy efficiency programs relative to a scenario with no energy efficiency programs. As proposed, the 2021- 2023 energy efficiency programs are expected to reduce the regulated electric utilities' revenue requirements by -1.36% on average, or -\$410.4M in total, over the life of the measures installed during the 2021-2023 term and across all programs. The regulated gas utilities' revenue requirements are expected to reduce by -2.24% on average, or -\$72.5M in total. Table 1 provides changes in revenue requirements by utility.

This rate and bill impact analysis reflects changes in electric and gas utility rates and bills and does not account for the significant fuel neutral savings to customers consuming oil, propane, or other unregulated fuels.

Table 1. Long-term Revenue Requirement Changes due to 2021-2023 Plan, by Utility

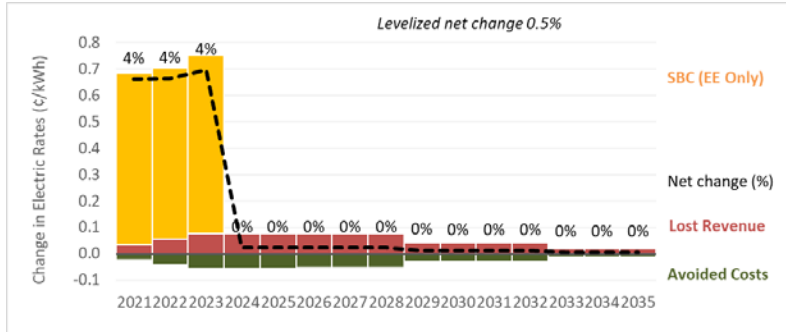
Utility	Percent Change	Dollar Change (millions)
Eversource	-1.5%	-\$348.4
Liberty Electric	-1.7%	-\$50.1
Unitil Electric	-0.3%	-\$11.9
Electric Total	-1.36%	-\$410.4
Liberty Gas	-2.3%	-\$51.5
Unitil Gas	-2.2%	-\$21.0
Gas Total	-2.27%	-\$72.5

The graphs below show long-term bill and rate impacts over the life of the installed measures for each of four customer segments: residential, low-income, small C&I, and large C&I. Bill impacts are shown separately for the following types of customers:

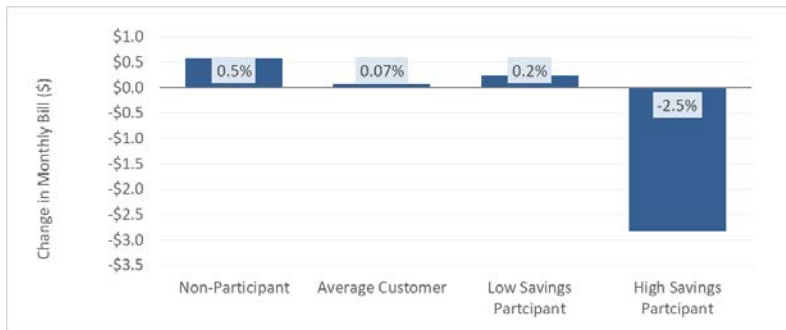
- non-participant—customers who do not participate in any year of the term
- low savings participant—For Electric – an illustrative residential participant (e.g. a customer swapping out their lighting for LEDs) who saves 1% of usage, or C&I participant (e.g. a customer performing a few off-the shelf offerings) who saves 5% of usage during year 1 of the plan; For Gas, an illustrative low savings residential participant would save 1% of their usage, and a low savings C&I participant would save 5% of their usage.
- high savings participant— For Electric – an illustrative residential participant (e.g. a customer performing a comprehensive HPwES project including weatherization and HVAC) who saves 10% of usage, or C&I participant (e.g. a customer performing a comprehensive custom project) who saves 20% of usage during year 1 of the plan; For Gas, an illustrative high savings residential participant would save 7% of their usage, and a high savings C&I participant would save 10% of their usage.
- average customer—a hypothetical blend between non-participants and participants, calculated based on the segment's program savings divided by the segment's total customers.

Eversource Electric

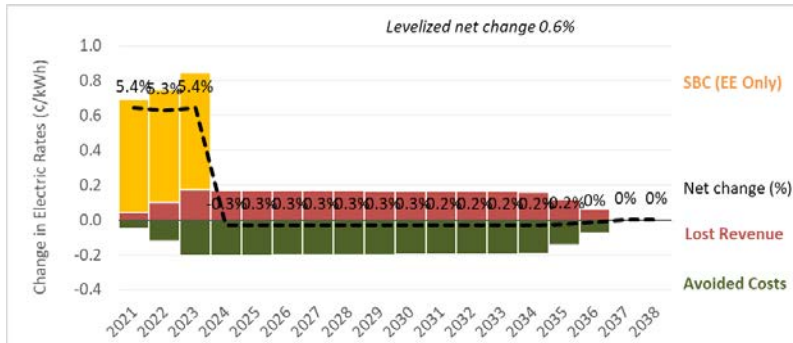
Residential, Change in Rates Over the Life of the Measures



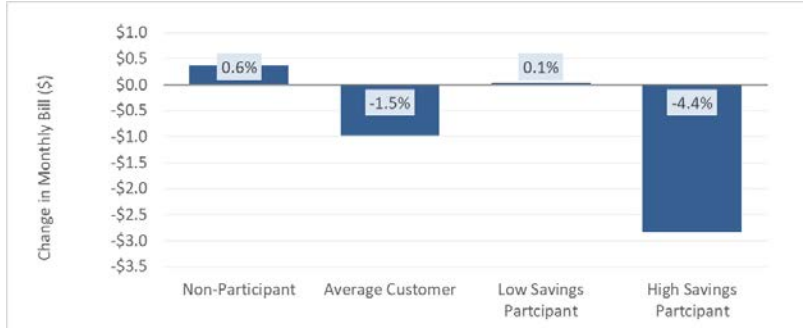
Residential, Long-Term Average Change in Bills Over the Life of the Measures



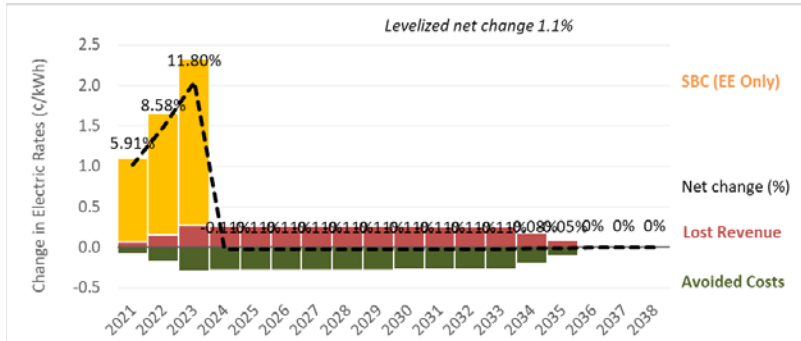
Low-Income, Change in Rates Over the Life of the Measures



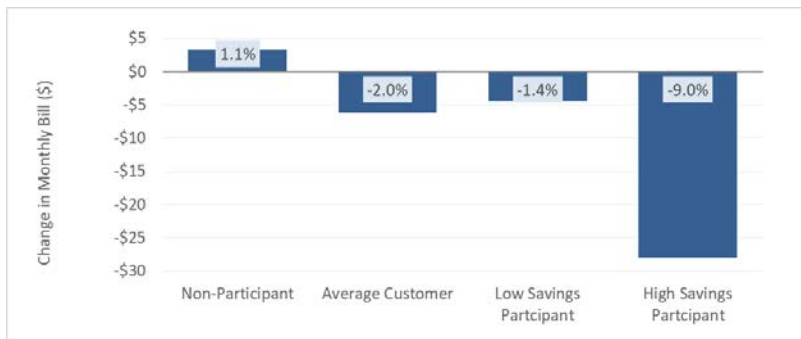
Low-Income, Long-Term Average Change in Bills Over the Life of the Measures



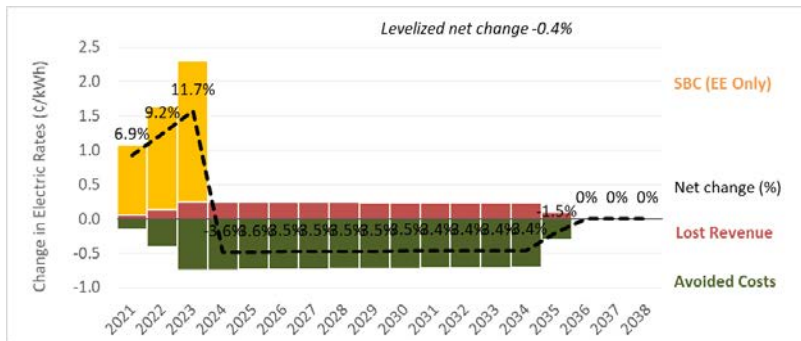
Small C&I, Change in Rates Over the Life of the Measures



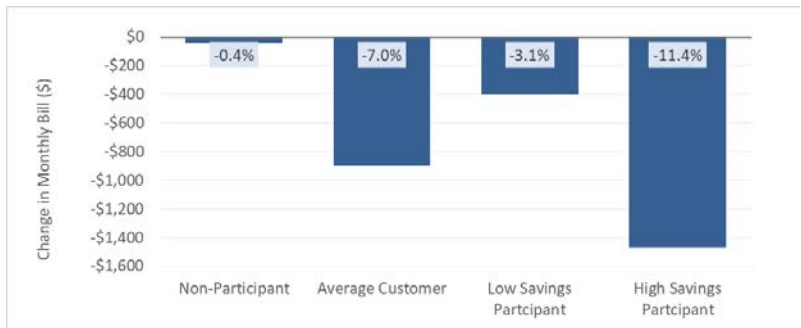
Small C&I, Long-Term Average Change in Bills Over the Life of the Measures



Large C&I, Change in Rates Over the Life of the Measures

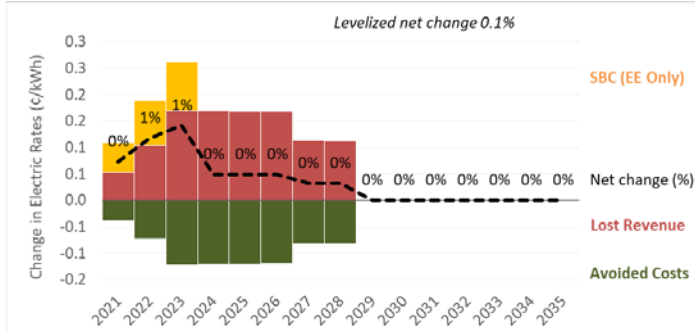


Large C&I, Long-Term Average Change in Bills Over the Life of the Measures



Liberty Electric

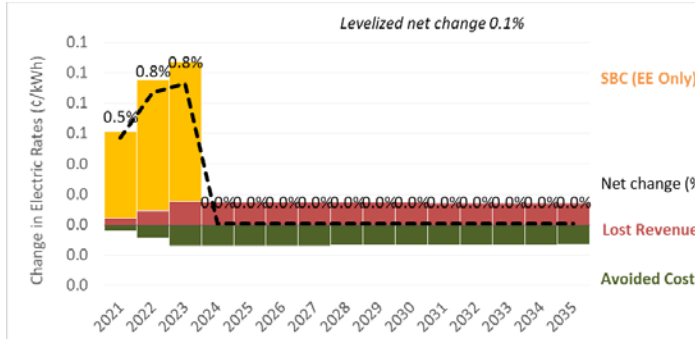
Residential, Change in Rates Over the Life of the Measures



Residential, Long-Term Average Change in Bills Over the Life of the Measures



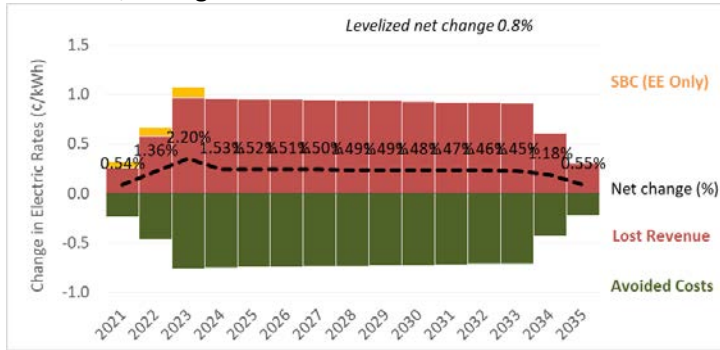
Low-Income, Change in Rates Over the Life of the Measures



Low-Income, Long-Term Average Change in Bills Over the Life of the Measures



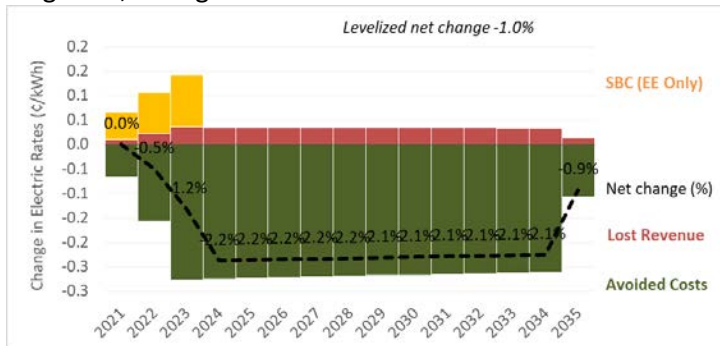
Small C&I, Change in Rates Over the Life of the Measures



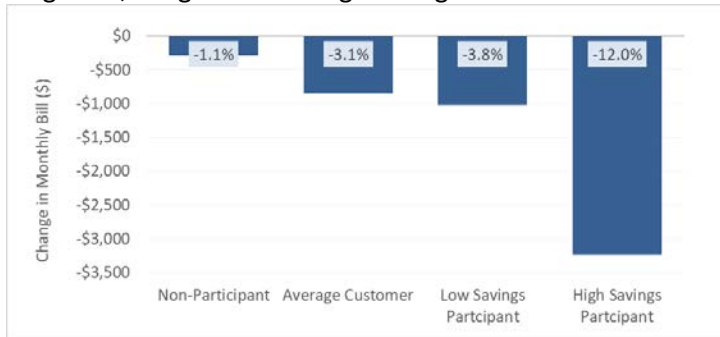
Small C&I, Long-Term Average Change in Bills Over the Life of the Measures



Large C&I, Change in Rates Over the Life of the Measures

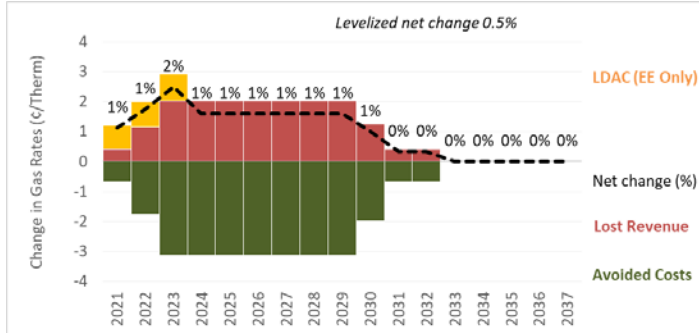


Large C&I, Long-Term Average Change in Bills Over the Life of the Measures

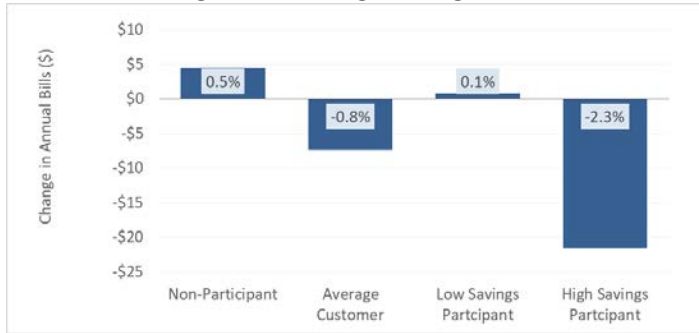


Liberty Gas

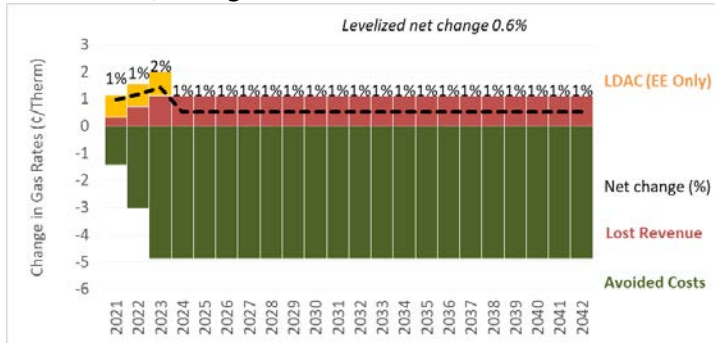
Residential, Change in Rates Over the Life of the Measures



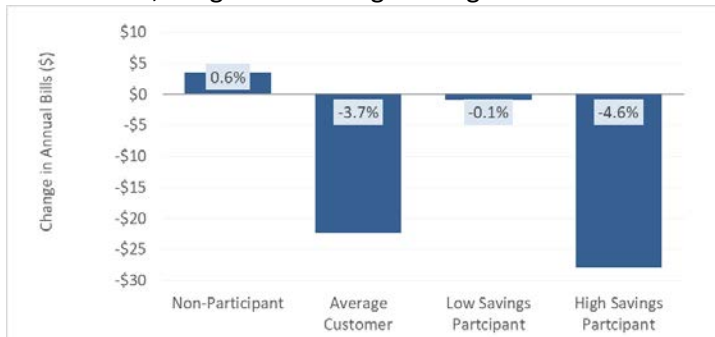
Residential, Long-Term Average Change in Bills Over the Life of the Measures



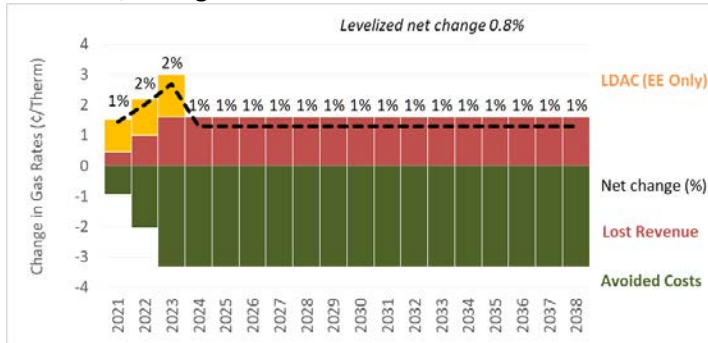
Low-Income, Change in Rates Over the Life of the Measures



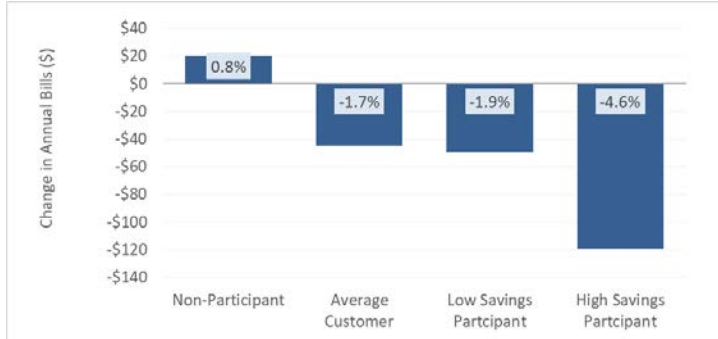
Low-Income, Long-Term Average Change in Bills Over the Life of the Measures



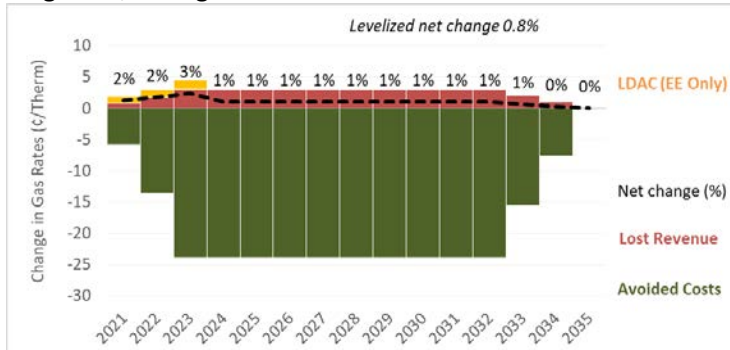
Small C&I, Change in Rates Over the Life of the Measures



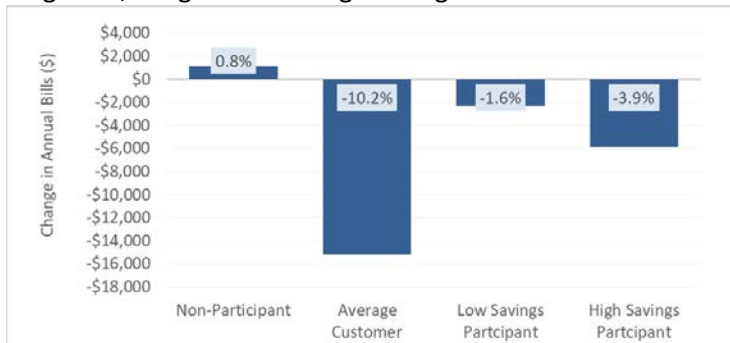
Small C&I, Long-Term Average Change in Bills Over the Life of the Measures



Large C&I, Change in Rates Over the Life of the Measures

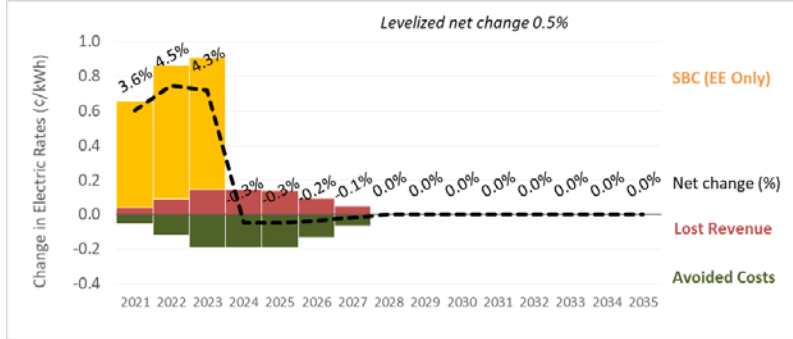


Large C&I, Long-Term Average Change in Bills Over the Life of the Measures



Unitil Energy Systems, Inc.

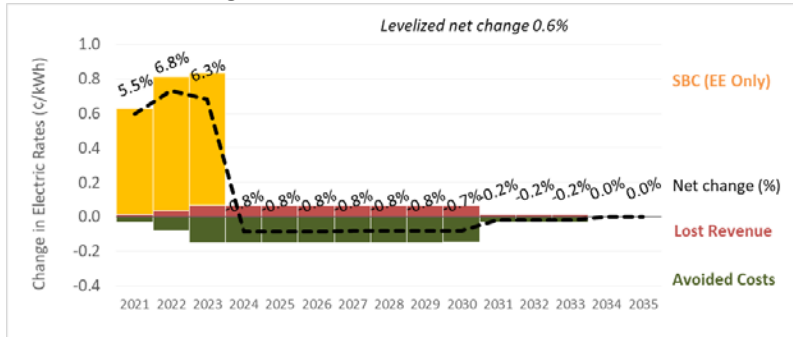
Residential, Change in Rates Over the Life of the Measures



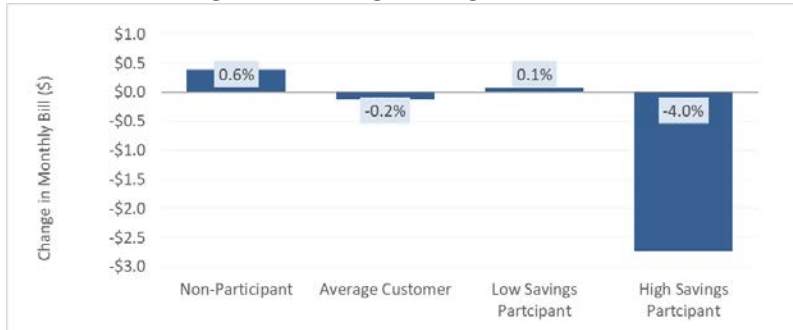
Residential, Long-Term Average Change in Bills Over the Life of the Measures



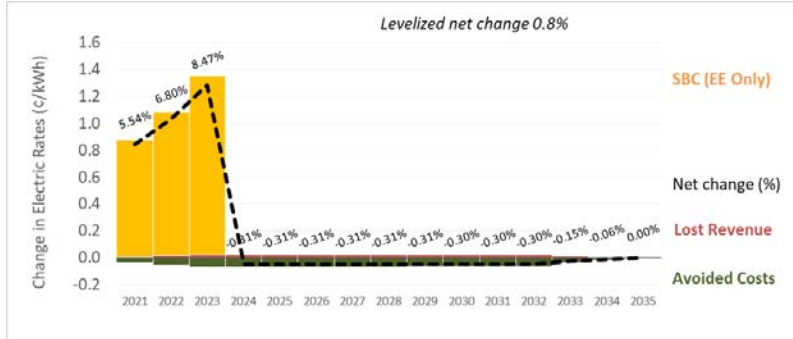
Low Income, Change in Rates Over the Life of the Measures



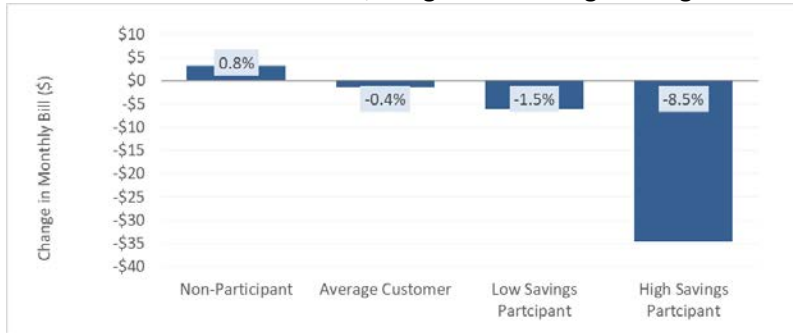
Low-Income, Long-Term Average Change in Bills Over the Life of the Measures



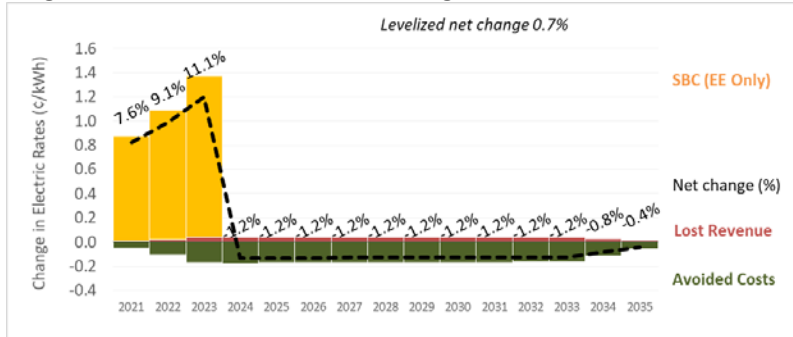
Small Commercial & Industrial, Change in Rates Over the Life of the Measures



Small Commercial & Industrial, Long-Term Average Change in Bills Over the Life of the Measures



Large Commercial & Industrial, Change in Rates Over the Life of the Measures

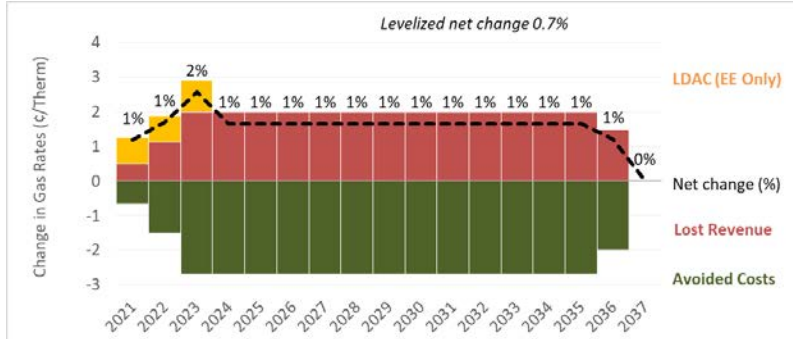


Large Commercial & Industrial, Long-Term Average Change in Bills Over the Life of the Measures

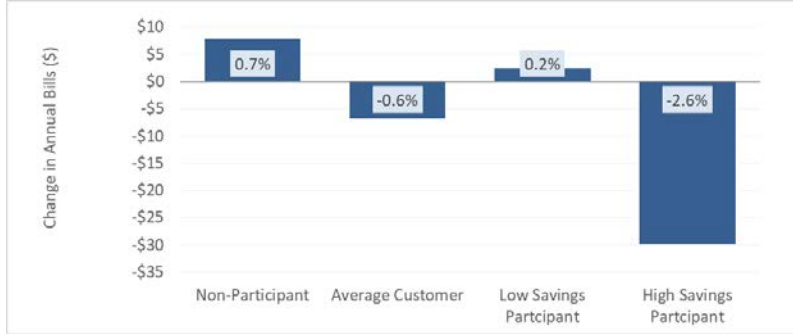


Northern Utilities, Inc.

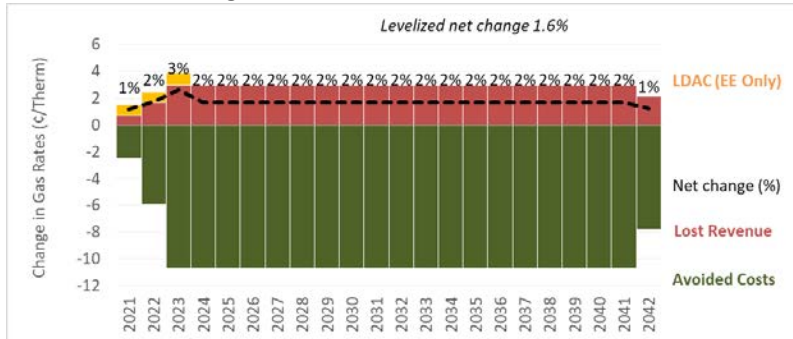
Residential, Change in Rates Over the Life of the Measures



Residential, Long-Term Average Change in Bills Over the Life of the Measures



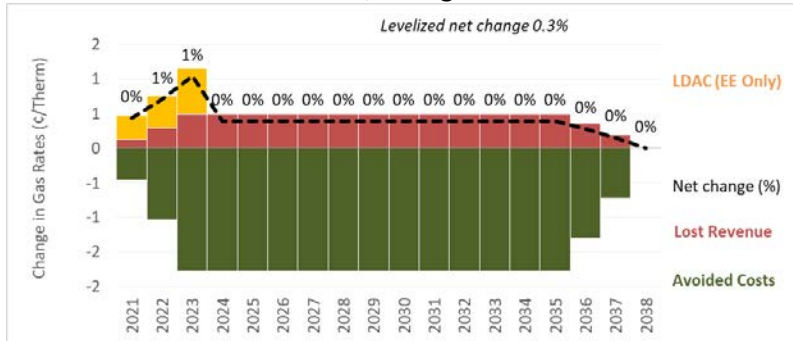
Low Income, Change in Rates Over the Life of the Measures



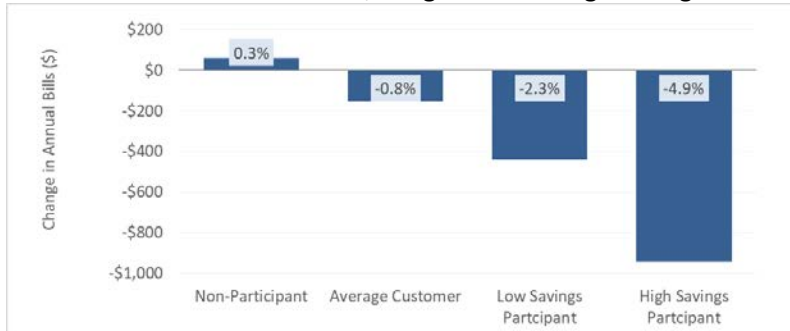
Low Income, Long-Term Average Change in Bills Over the Life of the Measures



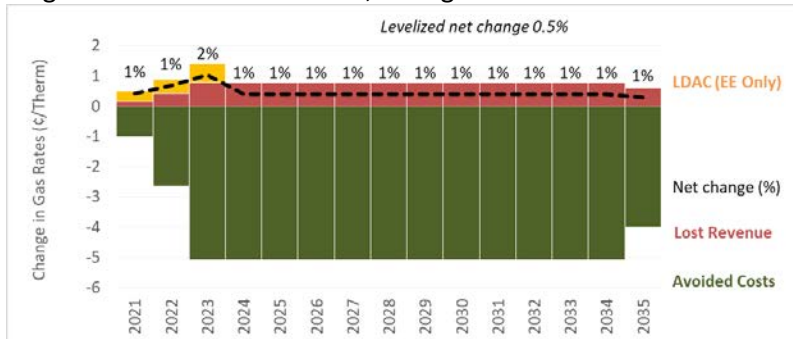
Small Commercial & Industrial, Change in Rates Over the Life of the Measures



Small Commercial & Industrial, Long-Term Average Change in Bills Over the Life of the Measures



Large Commercial & Industrial, Change in Rates Over the Life of the Measures



Large Commercial & Industrial, Long-Term Average Change in Bills Over the Life of the Measures

