Program Performance, GST & TRC - 2022

	Impact from Synapse NH Cost-Effectiveness Review	Reference	Granite State Test	Total Resource Cost Test	Total Portfolio	B1 - Home Energy Assistance	A1 - Energy Star Homes	A2 - Home Performance with Energy Star	A3 - Energy Star Products	A4 - Residential Behavior	A6b - Res ISO Forward Capacity	A6c - Residential Education	C1 - Large Business Energy Solutions	C2 - Small Business Energy Solutions	C3 - Municipal Energy Solutions	C6b - C&I ISO Forward Capacity	C6c - C&I Education
	Utility System Costs																
1	Measure costs (utility portion)	Rebate/Services costs, Costs tab	✓	✓	**$ 3,340,105**	$ 858,954	$ 157,647	$ 416,644	$ 248,803	$ 87,059	$ -	$ 15,892	$ 627,417	$ 794,783	$ 129,007	$ -	$ 3,899
2	Other financial or technical support costs	Included in Measure costs (utility portion)	✓	✓	Included in line 1	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
3	Other program and administrative costs	Internal Admin, External Admin, Implementation, and Marking costs, Costs tab	✓	✓	**$ 539,342**	$ 122,242	$ 26,644	$ 45,349	$ 36,570	$ 8,909	$ 591	$ 2,265	$ 144,733	$ 129,733	$ 12,058	$ 783	$ 9,467
4	EM&V costs	EM&V costs, Costs tab	✓	✓	**$ 141,280**	$ 22,997	$ 4,131	$ 11,833	$ 8,573	$ 2,119	$ 13,725	$ 701	$ 27,351	$ 28,397	$ 2,568	$ 18,193	$ 693
5	Performance incentives[1]	Performance Incentive calculation, 3. Att E1 PI tab	✓	✓	**$ 208,223**	$ 52,005	$ 9,758	$ 24,538	$ 15,223	$ 5,080	$ 741	$ 977	$ 41,404	$ 49,349	$ 7,438	$ 983	$ 728
	Utility System Benefits																
6	Avoided energy costs	2. Att E1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	**$ 5,171,447**	$ 146,442	$ 773,005	$ 100,008	$ 226,617	$ 79,680	$ -	$ -	$ 2,370,956	$ 1,224,346	$ 250,393	$ -	$ -
	Winter Peak	*2. Att E1 Ben tab*	✓	✓	**$ 1,834,303**	*$ 47,244*	*$ 335,000*	*$ 32,008*	*$ 77,305*	*$ 32,027*	*$ -*	*$ -*	*$ 820,520*	*$ 407,276*	*$ 82,923*	*$ -*	*$ -*
	Winter Off Peak	*2. Att E1 Ben tab*	✓	✓	**$ 1,551,701**	*$ 48,021*	*$ 434,552*	*$ 37,511*	*$ 86,073*	*$ 26,349*	*$ -*	*$ -*	*$ 564,174*	*$ 295,955*	*$ 59,065*	*$ -*	*$ -*
	Summer Peak	*2. Att E1 Ben tab*	✓	✓	**$ 1,053,499**	*$ 25,910*	*$ 1,796*	*$ 16,616*	*$ 33,914*	*$ 12,349*	*$ -*	*$ -*	*$ 572,914*	*$ 323,447*	*$ 66,553*	*$ -*	*$ -*
	Summer Off Peak	*2. Att E1 Ben tab*	✓	✓	**$ 731,944**	*$ 25,267*	*$ 1,656*	*$ 13,873*	*$ 29,324*	*$ 8,955*	*$ -*	*$ -*	*$ 413,347*	*$ 197,670*	*$ 41,852*	*$ -*	*$ -*
7	Avoided generating capacity costs	2. Att E1 Ben tab (does not include avoided line losses and wholesale risk premium for uncleared capacity)	✓	✓	**$ 401,479**	$ 15,297	$ 1,746	$ 1,281	$ 30,211	$ 10,300	$ -	$ -	$ 270,349	$ 51,886	$ 20,408	$ -	$ -
8	Avoided reserves	Embedded in avoided generating capacity costs	✓	✓	Included in line 7	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
9	Avoided transmission costs	2. Att E1 Ben tab	✓	✓	**$ 742,965**	$ 29,269	$ 3,178	$ 2,296	$ 59,345	$ 17,387	$ -	$ -	$ 492,591	$ 100,045	$ 38,854	$ -	$ -
10	Avoided distribution costs	2. Att E1 Ben tab	✓	✓	**$ 766,790**	$ 30,208	$ 3,280	$ 2,370	$ 61,248	$ 17,944	$ -	$ -	$ 508,388	$ 103,253	$ 40,100	$ -	$ -
11	Avoided T&D line losses	Calculated based on 8% line loss factor applied to Avoided energy, generating capacity, and DRIPE	✓	✓	**$ 495,269**	$ 14,552	$ 67,446	$ 8,943	$ 22,784	$ 8,082	$ -	$ -	$ 233,824	$ 115,276	$ 24,363	$ -	$ -
12	Avoided ancillary services	In the short term, value at $0 - over time, will determine whether this impact is enough to monetize	✓		**$ -**	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
13	Intrastate price suppression effects (DRIPE)	2. Att E1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	**$ 392,829**	$ 13,654	$ 35,955	$ 6,240	$ 17,993	$ 7,494	$ -	$ -	$ 177,827	$ 110,983	$ 22,683	$ -	$ -
14	Avoided compliance with RPS requirements	Embedded in avoided energy costs	✓	✓	Included in line 6	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
15	Avoided environmental compliance costs (embedded)	Embedded in avoided energy costs	✓	✓	Included in line 6	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
16	Avoided credit and collection costs	Embedded in income eligible (participant non-energy benefits)	✓		Included in line 23	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
17	Reduced risk	Calculated based on 8% wholesale risk premium applied to avoided energy, DRIPE, and uncleared avoided generating capacity	✓	✓	**$ 465,568**	$ 13,421	$ 67,299	$ 8,846	$ 20,555	$ 7,322	$ -	$ -	$ 213,869	$ 111,406	$ 22,852	$ -	$ -
18	Increased reliability[2]	2. Att E1 Ben tab	✓[2]		**$ -**	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
19	Market transformation[3]	Net-to-gross rates constitute a negative benefit adjustment that is included in avoided energy and capacity costs	✓	✓[3]	Included in lines 6-13	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
	Non-Utility System Impacts																
20	Other fuel	2. Att E1 Ben tab	✓	✓	**$ 4,215,603**	$ 753,140	$ 1,934,338	$ 1,355,724	$ 80,709	$ -	$ -	$ -	$ -	$ -	$ 91,693	$ -	$ -
21	Water resource	2. Att E1 Ben tab	✓	✓	**$ 34,755**	$ 3,520	$ 1,708	$ 3,305	$ 26,222	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
22	Income eligible (participant costs)	1. Att E1 Cost Eff tab	✓	✓	**$ 11**	$ 11	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
23	Income eligible (participant non-energy benefits)	2. Att E1 Ben tab	✓	✓	**$ 2,339,526**	$ 2,339,526	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -
24	Participant costs	1. Att E1 Cost Eff tab		✓	**$ 2,097,972**	$ -	$ 104,380	$ 119,109	$ 52,010	$ -	$ -	$ -	$ 687,887	$ 690,004	$ 444,582	$ -	$ -
25	Participant non-energy benefits	2. Att E1 Ben tab		✓	**$ 1,919,540**	$ -	$ 721,561	$ 371,427	$ 129,865	$ 37,052	$ -	$ -	$ 426,780	$ 181,720	$ 51,134	$ -	$ -
26	Environmental, NH fossil fuel proxy	2. Att E1 Ben tab	✓	✓	**$ 258,698**	$ 46,987	$ 99,367	$ 101,963	$ 5,672	$ -	$ -	$ -	$ -	$ -	$ 4,709	$ -	$ -
	Granite State Test																
27	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22)	✓		**$ 4,006,423**	$ 1,004,204	$ 188,422	$ 473,826	$ 293,946	$ 98,086		$ 18,857	$ 799,501	$ 952,913	$ 143,633	$ 18,976	$ 14,059

Program Performance, GST & TRC - 2022

	Impact from Synapse NH Cost-Effectiveness Review	Reference	Granite State Test	Total Resource Cost Test	Total Portfolio	B1 - Home Energy Assistance	A1 - Energy Star Homes	A2 - Home Performance with Energy Star	A3 - Energy Star Products	A4 - Residential Behavior	A6b - Res ISO Forward Capacity	A6c - Residential Education	C1 - Large Business Energy Solutions	C2 - Small Business Energy Solutions	C3 - Municipal Energy Solutions	C6b - C&I ISO Forward Capacity	C6c - C&I Education
28	Benefits	Utility System Benefits (lines 6-19); Non-Utility System Impacts (excluding Participant costs and Participant non-energy benefits) (lines 20-21, 23, 26)	✓		**$ 15,284,929**	$ 3,406,015	$ 2,987,320	$ 1,590,975	$ 551,354	$ 148,210		$ -	$ 4,267,805	$ 1,817,196	$ 516,053	$ -	$ -
29	BC Ratio	Line 28 / Line 27	✓		**3.82**	$ 3	$ 16	$ 3	$ 2	$ 2		$ -	$ 5	$ 2	$ 4	$ -	$ -
	Total Resource Cost Test																
30	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22); Participant Costs (line 24)		✓	**$ 6,104,395**	$ 1,004,204	$ 292,802	$ 592,935	$ 345,956	$ 98,086		$ 18,857	$ 1,487,388	$ 1,642,917	$ 588,215	$ 18,976	$ 14,059
31	Benefits	Utility System Benefits (lines 6-11, 13-15, 17, 19[2]); Non-Utility System Impacts (lines 20-21, 23, 25-26)		✓	**$ 17,204,469**	$ 3,406,015	$ 3,708,882	$ 1,962,402	$ 681,219	$ 185,262		$ -	$ 4,694,585	$ 1,998,916	$ 567,187	$ -	$ -
32	BC Ratio	Line 31 / Line 30		✓	**2.82**	3.39	12.67	3.31	1.97	1.89		-	3.16	1.22	0.96	-	-

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1. Program Performance Incentives estimated based on share of total budget
2. Reliability was included in the Synapse recommendation for the Granite State Test components, but is not included per stakeholder concerns
3. The NH Utilities apply free-ridership and spillover to gross savings to account for market transformation, and while these factors were not applied in the pre-2021 total resource cost test, they will be going forward to comply with the NH TRM

Utility Discount Rates - 2022

#	Category	Value	Details Justifying Application
1	**Employee Benefit Plans – Pension, SERP, non-SERP, PBOP, etc.**		
	Pension	5.56%	The discount rate was chosen by the plan sponsor using the Ryan ALM Above Median Yield Curve, under which the plan's projected benefit payments are matched against a series of spot rates derived from a market basket of high quality fixed income securities.
	OPEB	5.55%	The discount rate was chosen by the plan sponsor using the Ryan ALM Above Median Yield Curve, under which the plan's projected benefit payments are matched against a series of spot rates derived from a market basket of high quality fixed income securities.
2	**Leases**	5.32%	The rate is different for each lease since we use the discount rate associated with the specific lease term. The rate shown is for a 3-year lease term. Lease discount rates are based on BBB Utility Curve, which is the current credit quality of Liberty Utilities. Generally Accepted Accounting Principles (GAAP) on lease account provides the following guidance - "the discount rate used should reflect a borrowing cost over a term equivalent to the lease term. In many cases, this may take the form of selecting or developing a rate curve based upon the credit quality of the entity".
3	**AFUDC - Effective annual rates with semi-annual compounding**		
	Debt	2.87%	Docket # DE 19-064, Order #26,376
	Equity	4.73%	Docket # DE 19-064, Order #26,376
4	**ROE/WACC**		
	WACC GSE		Docket # DE 19-064, Order #26,376

Rate of Return Calculation	Portion	After-Tax Cost	Weighted Rate	Pre-Tax WACC
Equity	52.0%	9.10%	4.737%	6.49%
Debt	48.0%	5.97%	2.87%	2.87%
	100.0%		7.60%	9.36%

#					
5	**Carried interest charge**				See response to #6.
6	**EE Discount Rate**	**2021**	**2022**	**2023**	The Energy Efficiency real discount rate is calculated in accordance with the methodology outlined in the Avoided Energy Supply Components 2021 study (AESC 2021). The calculation is Real Discount Rate = [(1 + Nominal Discount Rate)/(1 + Inflation Rate)] – 1. AESC 2021 uses a Real Discount Rate of 0.81% based on default calculated values of 2.82% for the Nominal Discount Rate and 2.00% for the Inflation Rate. AESC 2021 also provides tools for users to insert their own input assumptions for these rates to calculate avoided costs. Following precedent established in previously approved filings, the Utilities use Nominal Discount Rates and Inflation Rates that are updated for the year in which measures will be installed, and were updated as of June 2021 for program years 2022 and 2023. The effect of using these rates resulted in a Real Discount Rate of 1.19%, a lower risk rate than the AESC 2021 default of 0.81%. These are very low risk investments that are customer owned and operated and due to the nature of the investments, and confirmed by routine study of baselines and savings, are very reliable in terms of producing the expected reduction.
	Nominal Discount Rate	3.25%	3.25%	3.25%	Updated October 18, 2021. Based on the June 2021 Prime Rate in accordance with the Final Energy Efficiency Group Report, dated July 6, 1999 in DR 96-150. Retrieved from http://www.moneycafe.com/personal-finance/prime-rate/
	Inflation	1.81%	2.03%	2.03%	Updated October 18, 2021. Based on the inflation rate from Q1 2020 to Q1 2021, Retrieved from https://fred.stlouisfed.org/data/GDPDEF.txt
	Real Discount Rate	1.41%	1.19%	1.19%	Calculated: Real Discount Rate = [(1 + Nominal Discount Rate)/(1 + Inflation Rate)] – 1

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Plan & Actual Energy Savings - 2022

	Program Costs ($)		Rebate / Services ($)		Net Annual Energy (MWh)		Net Lifetime Energy (MWh)		Net Annual MMBtu		Net Lifetime MMBtu	
Program/Sector	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned
A - Residential	**$ 1,087,453**	**$ 1,410,189**	**$ 926,045**	**$ 1,188,178**	**2,630.1**	**2,075.9**	**22,600.0**	**13,679.9**	**4,999.1**	**4,683.0**	**114,201.0**	**117,027.2**
A1 - Energy Star Homes	**$ 188,422**	**$ 170,047**	**$ 157,647**	**$ 144,355**	**592.7**	**194.1**	**14,547.0**	**4,592.3**	**2,160.1**	**791.1**	**54,220.7**	**19,681.6**
A2 - Home Performance with Energy Star	**$ 473,826**	**$ 617,374**	**$ 416,644**	**$ 522,868**	**133.3**	**56.6**	**2,045.8**	**1,175.7**	**2,570.4**	**4,188.4**	**56,022.0**	**95,184.3**
A3 - Energy Star Products	**$ 293,946**	**$ 461,898**	**$ 248,803**	**$ 392,111**	**438.6**	**672.6**	**4,541.8**	**6,759.1**	**268.6**	**(296.5)**	**3,958.3**	**2,161.3**
A4 - Residential Behavior	**$ 98,086**	**$ 105,350**	**$ 87,059**	**$ 89,433**	**1,465.4**	**1,152.7**	**1,465.4**	**1,152.7**	**-**	**-**	**-**	**-**
A6b - Res ISO Forward Capacity Market Expenses	**$ 14,315**	**$ 9,095**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
A6c - Residential Education	**$ 18,857**	**$ 46,425**	**$ 15,892**	**$ 39,411**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B - Low-Income	**$ 1,004,193**	**$ 1,176,716**	**$ 858,954**	**$ 996,647**	**391.8**	**452.0**	**3,627.4**	**4,464.5**	**1,231.0**	**884.9**	**25,753.2**	**25,830.2**
B1 - Home Energy Assistance	**$ 1,004,193**	**$ 1,176,716**	**$ 858,954**	**$ 996,647**	**391.8**	**452.0**	**3,627.4**	**4,464.5**	**1,231.0**	**884.9**	**25,753.2**	**25,830.2**
C - Commercial & Industrial	**$ 1,929,081**	**$ 2,999,995**	**$ 1,555,106**	**$ 2,528,720**	**6,297.7**	**7,562.8**	**81,079.5**	**104,787.0**	**102.8**	**(2,442.8)**	**2,570.0**	**(27,330.2)**
C1 - Large Business Energy Solutions	**$ 799,501**	**$ 1,264,081**	**$ 627,417**	**$ 1,073,095**	**3,610.9**	**4,113.2**	**50,313.9**	**57,620.9**	**-**	**(1,645.9)**	**-**	**(21,273.0)**
C2 - Small Business Energy Solutions	**$ 952,913**	**$ 1,532,407**	**$ 794,783**	**$ 1,300,880**	**2,225.8**	**3,161.4**	**25,527.3**	**43,887.4**	**-**	**(1,057.5)**	**-**	**(13,216.4)**
C3 - Municipal Energy Solutions	**$ 143,633**	**$ 157,337**	**$ 129,007**	**$ 133,565**	**461.0**	**288.3**	**5,238.3**	**3,278.8**	**102.8**	**260.7**	**2,570.0**	**7,159.2**
C6b - C&I ISO Forward Capacity Market Expenses	**$ 18,976**	**$ 21,221**	**$ -**	**$ -**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
C6c - C&I Education	**$ 14,059**	**$ 24,950**	**$ 3,899**	**$ 21,180**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Grand Total	**$ 4,020,727**	**$ 5,586,900**	**$ 3,340,105**	**$ 4,713,545**	**$ 9,320**	**$ 10,091**	**$ 107,307**	**$ 122,931**	**$ 6,333**	**$ 3,125**	**$ 142,524**	**$ 115,527**

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Portfolio Planned Versus Actual Performance - 2022

	Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	*125% of Planned PI*	Actual PI	Actual Coefficient w/ 100% Threshold	PI w/ 100% Threshold	Source
1	Lifetime kWh Savings	122,931,394	*92,198,545*	107,306,996	87%	1.925%	1.680%	$ 107,548	*$ 134,435*	$ 67,562	0.000%	$ -	Program Cost Effectiveness (Page 1 of 6)
2	Annual kWh Savings	10,090,780	*7,568,085*	9,319,648	92%	0.550%	0.508%	$ 30,728	*$ 38,410*	$ 20,424	0.000%	$ -	Program Cost Effectiveness (Page 1 of 6)
3	Summer Peak Demand kW	1,119	*728*	843	75%	0.660%	0.497%	$ 36,874	*$ 46,092*	$ 19,996	0.000%	$ -	Program Cost Effectiveness (Page 1 of 6)
4	Winter Peak Demand kW	1,114	*724*	1,046	94%	0.440%	0.413%	$ 24,582	*$ 30,728*	$ 16,611	0.000%	$ -	Program Cost Effectiveness (Page 1 of 6)
5	Total Resource Benefits	$ 13,607,181		$ 12,686,705	93%								Present Value Benefits (Page 2 of 6)
6	Total Utility Costs[1]	$ 5,586,900		$ 4,020,727	72%								Program Cost Effectiveness (Page 1 of 6)
7	Net Benefits	$ 8,020,281	*$ 6,015,210*	$ 8,665,978	108%	1.925%	2.080%	$ 107,548	*$ 134,435*	$ 83,630	2.080%	$ 83,630	Line 5 minus line 6
8	Total					5.500%	5.179%	$ 307,280	*$ 384,099*	$ 208,223	**2.080%**	**$ 83,630**	

		Granite State Test Planned	Granite State Test Actual	Source
9	Total Benefits	$ 14,589,401	$ 15,284,929	Program Cost Effectiveness (Page 1 of 6)
10	Performance Incentive	$ 307,280	$ 208,223	from row 8 above
11	Total Utility Costs	$ 5,586,900	$ 4,020,727	from row 6 above
12	**Portfolio GST BCR**	**2.48**	**3.61**	row 9 divided by rows 10+11

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Costs, Benefits, and PI Expressed in 2022 Dollars.

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

Contractor/Consultant Expenses by State & Country - 2022			
Country	**State / Province**	**Total Expenses**	**Customer Rebate Portion**
US	CA	$ 134,154	$ -
US	CO	$ 26,572	$ -
US	CT	$ 29,881	$ 12,630
US	IL	$ 4,135	$ -
US	MA	$ 300,388	$ 264,539
US	ME	$ 5,269	$ 5,269
US	NH	$ 1,669,300	$ 1,285,259
US	NJ	$ 78,635	$ 78,635
US	NY	$ 16,472	$ 2,120
US	RI	$ 19,639	$ 19,639
US	TX	$ 76,416	$ -
US	VT	$ 7,680	$ -
US	WI	$ 482,256	$ 153,974
CA	Ontario	$ 15,486	$ -
Total		**$ 2,866,281.74**	**$ 1,822,064.71**

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Notes:
Liberty (Electric) has provided the information as requested but notes that the data provided in and of itself does not accurately reflect the full impact of the programs at large. Some caveats include:

-The business address of a given contractor or vendor is not necessarily reflective of the location of the individual(s) who work with the NHSaves brand. For example, there are vendors with corporate addresses located outside of New Hampshire which have employees the Utilities contract and work with within New Hampshire.

-There are contractors who the Utilities work with who hire subcontractors from other entities to obtain materials and supplies or install and fulfill projects for customers.

-Contractor and vendor payments are not reflective of the full economic impact of the projects performed.

-Additional Federal dollars were invested into the income-eligible projects completed.

Contractor/Consultants by State & Country - 2022

Vendor	Street	City	State	Zip Code	Country
ADM ASSOCIATES INC	3239 Ramos Circle	Sacramento	CA	95827	US
ANB SYSTEMS INC	4771 Sweetwater Blvd., Ste. 151	Sugarland	TX	77479	US
APEX ANALYTICS LLC	1717 Blubell Avenue	Boulder	CO	80302	US
ARCA RECYCLING, INC.	8051 S Willow Street	Manchester	NH	03103	US
BENCHMARK GRAPHICS	175 East Bare Hill Rd	Harvard	MA	01451	US
BIRCH CREEK BUILDING & DEVELOPMENT	PO Box 882	Windham	NH	03087	US
CAPITOL LIGHT	PO Box 290241	Wethersfield	CT	06129	US
CLEARESULT CONSULTING INC.	50 Washington Street	Westborough	MA	01581	US
DC DEVELOPMENT	9 Bobcat Way, Unit 1	Sandown	NH	03873	US
DMI DEMAND MANAGEMENT INSTITUTE INC	300 Chestnut Street, Suite 150	Needham	MA	02492	US
E SOURCE COMPANIES LLC	1745 38th Street	Boulder	CO	80301	US
EFFICIENCY FORWARD, INC.	10 High Street, Ste. 10	Medford	MA	02155	US
EISENBERG, VITAL, & RYZE LLC DBA EVR ADVERTISING	155 Dow Street, Ste. 301	Manchester	NH	03101	US
ENERGY CODE ADVISORS, LLC	24 Joppa Hill Road	Bedford	NH	03110	US
ENERGY FEDERATION INC	40 Washington Street, Ste 2000	Westborough	MA	01752	US
ENERGY MANAGEMENT CONSULTANTS INC.	55 Industrial Way	Portland	ME	04103	US
ENERGYX SOLUTIONS INC	212 King St. W, Ste. 600	Toronto	Ontario	60021	CA
FRANKLIN ENERGY SERVICES LLC	102 North Franklin Street	Port Washington	WI	53074	US
GDS ASSOCIATES	1155 Elm Street, Suite 702	Manchester	NH	03101	US
GEOFFREY EMBREE	32 BANNER RD	Ottawa	Ontario	K2H 8L2	CA
HORIZON-RESIDENTIAL ENERGY SERVICES NH, LLC	75 South Main Street	Concord	NH	03301	US
J.R. DEVELOPMENT LLC	1971 Western Ave	Albany	NY	12203	US
K&M DEVELOPERS LLC	46 Lowell Rd	Hudson	NH	03051	US
KCL HOMES LLC	PO Box 514	Windham	NH	03087	US
KDS PROPERTIES, LLC	54 Jericho Rd	Pelham	NH	03076	US
KEMA INC.	5202 Payshere Circle	Chicago	IL	60674	US
LAKES REGION COMMUNITY COLLEGE	379 Belmont Road	Laconia	NH	03246	US
LED CONVERSIONS INC.	50B Northwestern Drive	Salem	NH	03709	US
LIVE WIRE, LLC	134 Lowell Rd	Salem	NH	03079	US
LUMINOUS ENERGY DESIGNS	16 Holmes Rd	Boxford	MA	01921	US
MORGAN ELECTRIC LLC	372 Meriden Rd	Lebanon	NH	03766	US
NATIONAL RESOURCE MANAGEMENT INC	480 Neponset St Bldg 2	Canton	MA	02021	US
NEW HAMPSHIRE HOME BUILDERS ASSOCIA	119 Airport Rd	Concord	NH	03301	US
NEW HAMPSHIRE SUSTAINABLE ENERGY ASSOCIATION DBA CLEAN ENERGY NH	14 Dixon Avenue, Ste 202	Concord	NH	03301	US
NH DEPARTMENT OF ENERGY	21 South Fruit Street, Ste. 10	Concord	NH	03301	US
NMR GROUP INC	50-2 Howard Street	Somerville	MA	02144	US
ORACLE AMERICA INC.	500 Oracle Pkwy	Redwood	CA	94065	US
PERFORMANCE SYSTEMS DEVELOPMENT	124 Brindley Street	Ithaca	NY	14850	US
PLAN NH - THE FOUNDATION FOR SHAPING THE BUILT ENVIRONMENT	273 Corporate Drive, Suite 100	Portsmouth	NH	03801	US
PLYMOUTH AREA RENEWABLE ENERGY INITIATIVE	79 Highland Street	Plymouth	NH	03264	US
RESILIENT BUILDINGS GROUP, INC.	46 S Main Street, Suite 7	Concord	NH	03301	US
RISE ENGINEERING	1341 Elmwood Avenue	Cranston	RI	02910	US
RIVER ENERGY ASSOCIATES	271 Albany Street	Fall River	MA	02720	US
SAFARI CONSTRUCTION MANAGEMENT LLC	7 Wall St, Suite 200B	Windham	NH	03087	US
SOUTH MIDDLESEX OPPORTUNITY COUNCIL INC	7 Bishop Street	Framingham	MA	01702	US
SOUTHERN NEW HAMPSHIRE SERVICE INC	40 Pine Street	Manchester	NH	03103	US
SOUTHWESTERN COMMUNITY SERVICES	63 Community Way	Keene	NH	03431	US
STEPHEN J DOHERTY DBA DC DEVELOPMENT & CONSTRUCTION, LLC	9 Bobcat Way, Unit 1	Sandown	NH	03873	US
THE NATURE CONSERVANCY	22 Bridge Street, 4th Floor	Concord	NH	03301	US
THE NEW HAMPSHIRE CHAPTER OF THE AMERICAN INST OF ARCHITECTS	310 Marlboro Street, #2	Keene	NH	03431	US
TMO LEBANON I, LLC	PO Box 9008	Camden	NJ	08101	US
TRC ENVIRONMENTAL CORPORATION	21 Griffin Road North	Windsor	CT	06095	US
TRI COUNTY COMMUNITY ACTION	30 Exchange Street	Berlin	NH	03570	US
VERMONT ENERGY EDUCATION PROGRAM DBA NHEEP	79 River Street	Montpelier	VT	05602	US
ZAANA-17 LLC	1105 Lakeview Avenue	Dracut	MA	01826	US

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Projects by Municipality - 2022				
City / Town	Number of Customers per City / Town	Number of Participants[1]	Spend ($)	Spend ($) per Customer
ACWORTH	197	28	$7,084.89	$35.96
ALSTEAD	1,103	359	$30,306.32	$27.48
ATKINSON	2	-	$0.00	$0.00
BATH	11	4	$0.00	$0.00
CANAAN	1,565	466	$42,785.45	$27.34
CHARLESTOWN	1,738	362	$75,649.57	$43.53
CHICHESTER	1	-	$0.00	$0.00
CORNISH	116	36	$284.27	$2.45
DERRY	136	48	$1,891.96	$13.91
DREWSVILLE	55	14	$186.08	$3.38
ENFIELD	2,687	668	$27,816.33	$10.35
ETNA	387	120	$10,168.11	$26.27
GRAFTON	18	1	$0.00	$0.00
HANOVER	3,220	756	$161,263.41	$50.08
LANGDON	290	75	$79,734.91	$274.95
LEBANON	8,715	2,034	$1,274,983.27	$146.30
MARLOW	6	2	$40.27	$6.71
MERIDEN	235	89	$14,815.67	$63.05
MONROE	240	79	$1,774.43	$7.39
ORANGE	33	12	$0.00	$0.00
PELHAM	6,008	386	$159,032.42	$26.47
PLAINFIELD	371	113	$3,760.84	$10.14
SALEM	15,522	4,569	$513,675.01	$33.09
SURRY	39	7	$120.81	$3.10
WALPOLE	2,097	497	$87,396.72	$41.68
WINDHAM	1,227	315	$48,618.66	$39.62
#N/A[2]	-	106	$9,459.03	$89.40
Grand Total	46,019	11,145	$2,550,848.40	$55.43

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[1]Participant counts include Home Energy Report recipients

[2] Participant count reflects non-identifiable retail lighting

Projects by Subsidy Level - 2022			
Subsidy (%)	**Number of Projects[1]**	**Total Project Cost**	**Total Incentive**
100%	10,211	$ 1,016,644	$ 1,016,644
80% - 99%	229	$ 278,884	$ 251,403
60% - 79%	206	$ 864,629	$ 640,969
40% - 59%	211	$ 675,180	$ 338,814
20% - 39%	223	$ 799,848	$ 225,114
1% - 19%	66	$ 1,184,803	$ 164,962
Total	11,145	$ 4,819,989	$ 2,637,907

[1] Number of projects include Home Energy Report recipients

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NPV of EE Measures/Services Provided at No Cost					
Program	**Subsidy %**	**Total Participants**	**Total Project Cost**	**Total Incentive**	**Analysis for 100% Incentive**
2022 Energy Star Homes	100%	38	$1,900	$1,900	Project audit fees
2022 Energy Star Products	100%	825	$147,438	$147,438	The projects at 100% subsidy are those where the incentive provided is equal to the estimated incremental cost of upgrading from the standard efficiency appliance to the energy efficient model. Measures include heat pumps, clothes dryers, room AC, refrigerators, and air purifiers.
2022 Home Energy Assistance	100%	1,284	$751,556	$751,556	HEA projects are done at no cost to the customer.
2022 Home Energy Reports	100%	8,023	$87,059	$87,059	Customers receive personalized, energy analysis reports at no cost
2022 Home Performance w/Energy Star	100%	41	$28,691	$28,691	The projects at 100% subsidy are 'baseload' or Visual Audit projects where non-weatherization measure such as LED light bulbs, Wi-Fi thermostats, faucet aerators, and low-flow showerheads are directly installed at no cost to the customer.
Total		**10,211**	**$1,016,644**	**$1,016,644**	

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Explanation of Market Barriers

The attached worksheet includes a reproduction of the market barriers tables by sector (C&I and Residential, inclusive of income eligible customers) from the 2022-2023 Plan, as well as the planned interventions and program objectives. To this list, Liberty (Gas) has included a column detailing the cost of the intervention for program year 2022, where such delineation is possible. A description of the source (e.g., the benefit cost ("BC") model for 2022 reporting, or the Q4 2022 report) is included in a separate column.

The budgeting of expenditures related to the energy efficiency programs has not been explicitly tied to overcoming specific market barriers, nor are the general ledger accounts used by the utilities designed to track these costs. Therefore, granular estimates of either planned or actual costs to overcome the specific market barriers identified in planning are, in most cases, not quantifiable. The energy efficiency programs budgets and expenditures have been organized across six budget categories, described in Table 1-13 on Bates 23 of the 2022-2023 Plan. The six cost categories have served as the basis of planning and reporting of expenses related to the regulated New Hampshire energy efficiency programs since 2002. They are

a) Internal Administration
b) External Administration
c) Customer Rebates and Services
d) Internal Implementation Services
e) Marketing
f) Evaluation

The method of accounting for expenditures for the NH Energy Efficiency programs has been audited annually by the previous Public Utility Commission Audit Staff and now the Department of Energy Audit Staff. Also, the organization of expenditures, by cost category and program, is displayed most clearly in the Cost Table worksheet of each Company's B/C model, as well as in Attachment C the plan filed with and approved by the Commission. Because program year 2021 budgets were based on program year 2020 (see PUC Order 26,440 in Docket 17-136), the breakdown of planned costs by program and budget activity for 2021 is most closely associated with the 2020 Update Plan, Attachment C.

Not all energy efficiency program expenditures relate to identified market barriers or program interventions. Costs related to other activities include the following:

EM&V Costs

While the Market Barriers listed in the 2022-2023 Plan do not explicitly include activities related to Evaluation, Measurement and Verification, ("EM&V"), expenditures related to the Evaluation cost category are essential to the effective operation and continual improvement of program design and delivery. By reviewing how savings are calculated, how customers are using efficient equipment, and otherwise verifying that savings claims based on the best available information, independent third party evaluation ensures that reporting to the Commission is accurate and that offerings continue to be cost-effective. Evaluation activities also lead to continual evolution and improvements to the design and delivery of programs and help to ensure that customers are well served. Evaluation also supports the participation of utility staff in the EM&V Working Group as well as the cost of retaining a team of expert EM&V advisors whose services are competitively procured by the DOE. Finally, the evaluation cost category reflects expenditures associated with setting up and maintaining each utility's tracking systems as well as internal and external personnel engaged in data tracking activities.

Internal and External Admin Costs

While the Market Barriers listed in the 2022-2023 Plan do not explicitly include activities related to internal and external administration of programs, expenditures related to that cost category provide essential management oversight and administration of programs required to effectively comply with evolving regulatory requirements of the NHSaves programs. Docket administration, report preparation, meetings with stakeholder groups such as the Energy Efficiency and Sustainable Energy ("EESE") Board, development of new plans, budgets, bill impacts, lost base revenue calculations, benefit cost modeling, presentations, and more are covered under this budget category. These expenditures are essential to the administration of programs and ensure that program activity is fully transparent to the Commission, DOE and other stakeholders, and that the programs are responsive to the evolving policy and regulatory environment in New Hampshire.

Line	C&I Market Barrier	Program Interventions	Program Objectives	Cost of Intervention $2022	Description of the Cost / Source
1	Incremental price difference between standard and high-efficiency goods and services.	1. Provide rebates to give effective price signals to help cover incremental first cost.	Customers consider operating costs and not just price tag when making purchase/investment decisions.	$1,069,716	C&I Rebates/Services total minus that provided for Education and midstream measures (included elsewhere).
2		2. Offer low-interest or interest-free loans to allow customers to finance their portion of energy efficiency investment.	Market penetration of high-efficiency equipment and services increases.	$54,346	*On-bill financing. Please note, this is not from the annual budget, but is from the RLF.*
3		3. Provide information about alternative sources of funding for their high-efficiency investments (state and federal rebates or tax credits).			
4		4. Provide information/training/proformas about the importance of looking at life-cycle costs on website and in communication.			
5	Lack of **customer** awareness related to: • benefits of energy efficiency • existence of high-efficiency alternatives • where to purchase high-efficiency equipment/quality installation * how and when to reduce demand during system peaks.	1. Promote energy-efficient options in store/online/at point of purchase.	Customers learn to look for and demand high-efficiency options.	$0	*Cost of circuit riders, included in line 1.*
6		2. Keep information on NHSaves website up to date.	Market sales of high-efficiency equipment and services increases.	$9,234	All C&I program marketing and customer engagement initiative expenses
7		3. Engage and train contractor network to improve understanding of/familiarity with new, high-efficiency technologies.	System peak usage is reduced.		
8		4. Provide information to target customer audience through case studies, one-on-one contact, technical assistance, and building assessments.	Customer iCAP charges are reduced.	$229,704	All C&I program implementation services expenses, less education
9		5. Co-market with contractors and retailers.			
10		6. Refer customers to Program Administrator vetted turnkey service providers.			
11	Midstream (retailers/ distributors) fail to stock high-efficiency products. • Lower turnover * stocking cost * lack of awareness / experience	1. Include retailer training and recruitment in midstream program offering.	Greater availability/visibility of high-efficiency equipment at point of sale.		Midstream C&I rebate/services
12		2. Communicate attributes of emerging or improving high efficiency equipment stock.	Engaged and motivated retailers committed and rewarded for selling high-efficiency products.	$0	
13		3. Provide proper price signals to retailers who stock/sell targeted equipment.	Market share of high-efficiency equipment and services increases.		
14		4. Co-market available incentives to customers.			
15	**Building trades** lack sufficient cadre of trained personnel, awareness, experience, or commitment to high-efficiency practices, both for existing building renovations and new construction.	1. No-cost training in best practices provided to builders and trade allies.	Build confidence and competence in high-efficiency building practices. 2. Improve the industry standard practice in building design.	$9,075	Education rebate/services and implementation expenses.
16		2. Incentives provided for exceeding commercial building energy efficiency code and appliance standards.	Improve the industry standard practice in building design.	$481,491	Large and Small C&I new equipment and construction rebate/services expenses
17		3. Case studies developed and promoted to highlight exceptional builders and homes.	Reward and celebrate builders and other professionals who demonstrate commitment to high-efficiency building design.		
18		4. Collaboration with professional associations to promote the program and the benefits of high-efficiency homes.	Capture opportunity at time of building/renovation for energy savings over the life of building.		
19			Increase the industry standard practice for high-efficiency design/build/renovation.		
			Total Cost	**$1,799,221**	
			Total NPV Costs C&I Sector 2022	**$1,933,409**	
			Unaccounted for Other Expenses	**$134,189**	All internal admin, EM&V, and external admin expenses
				$81,351	EM&V
				$50,974	Internal Admin
				$1,864	External Admin
				$134,189	Total

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Line	Residential Market Barrier	Program Interventions	Program Objectives	Cost of Intervention $2022	Description of the Cost / Source
1	Incremental price difference between standard and high-efficiency goods and services.	1. Provide rebates to give effective price signals to help cover incremental first cost.	Customers consider operating costs and not just price tag when making purchase/investment decisions.	$1,503,399	Total Rebates / Services from Cost Table for Low Income and Res programs, minus behavior, and lighting offers (which are listed below)
2		2. Offer low-interest or interest-free loans to allow customers to finance their portion of larger investments in weatherization and heating systems.	Market penetration of high-efficiency equipment and services increases, allowing the transition to market-based measure offering.	$2,000	*On-bill financing. Please note, this is not from the annual budget, but is from the RLF.*
3		3. Provide customers information about alternative sources of funding for their high efficiency investments (state and federal rebates or tax credits).		$0	Interest rate buy-downs paid.
4		4. Provide information/training about the importance of looking at life-cycle costs on website and in communication.			
5	Lack of **customer** awareness related to: • benefits of energy efficiency • existence of high-efficiency alternatives. • where to purchase high-efficiency equipment • how and when to reduce demand during system peaks.	1. Promote energy-efficient options in store/online/at point of purchase.	Customers learn to look for and demand high-efficiency options.	$17,251	*Cost of circuit riders, included in line 1.*
6		2. Use NH Saves/EnergyStar product labeling at point of purchase.	Market sales of high-efficiency equipment and services increases.	$9,500	All residential program marketing and customer engagement initiative expenses
7		3. Keep information on NHSaves website up to date.	System peak usage is reduced.	$193,203	All residential program implementation services expenses
8		4. Provide customers access to pre-vetted online marketplace for energy efficiency goods and services.			
9		5. Send Home Energy Reports directly to customers though mail and email.		$87,059	Rebates and services for behavior program (subtracted from row 1 rebate total)
10		6. Provide information to target audience at trade and home shows.			
11		7. Co-market with contractors and retailers.			
12		8. Directly control thermostat settings to reduce air conditioning use during system peaks.			
13	Midstream (retailers/ distributors) fail to stock high-efficiency products.	1. Provide retailer training and recruitment in midstream program offering.	Greater availability/ visibility of high-efficiency equipment at point of sale • Engaged and motivated retailers committed and rewarded for selling high-efficient products.	$786	Midstream retail lighting rebate/services
14	• Lower turnover	2. Communicate attributes of emerging or improving high-efficiency equipment stock.	Market share of high- efficiency equipment and services increases.		
15	• Stocking cost	3. Provide proper price signals to retailers who stock/ sell targeted equipment.			
16	• Lack of awareness/ experience	4. Co-market available incentives to customers.			
17	**Building trades** lack sufficient cadre of trained personnel, awareness, experience, or commitment to high-efficiency practices.	1. No-cost training in best practices provided to builders and trade allies.	Build competence and confidence in high-efficiency building practices	$18,857	Residential education and training expenses are embedded in the C&I Education expenses for 2021, but are charged to residential beginning in 2022.
18		2. Incentives provided for meeting Energy Star Homes standards and for other above-energy code practices. 3. Case studies developed and promoted to highlight exceptional builders and homes.	Improve the industry standard practice in building design	$157,647	ES Homes rebate/services expenses
19		4. Collaboration with professional associations to promote the program and the benefits of high-efficiency homes.	Reward and celebrate builders and other professionals who demonstrate commitment to high-efficiency building design		
20			Capture opportunity at time of building/renovation for energy savings over the life of a building or home		
			Total Cost	$1,987,702	
			Total NPV Costs Res Sector 2022	$2,087,318	
			Unaccounted for Other Expenses	**$99,616**	All internal admin, EM&V, and external admin expenses
				$59,928	EM&V
				$38,173	Internal Admin
				$1,515	External Admin
				$99,616	Total

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Energy Efficiency Cost Categories

Tracking Activity	Description
Administration—Internal	Internal utility costs associated with program design, development, regulatory support, and quality assurance. Costs include employee labor, benefits, expenses, materials, and supplies.
Administration—External	External costs associated with program administration. This includes contractors and consultants used in support of program design, development, regulatory support, and quality assurance.
Customer Rebates and Services	Costs associated with incentives that reduce the cost of equipment as well as costs for services to speed adoption. This includes direct rebate dollars paid to distinct participants, as well as indirect incentives for equipment discounts. It also includes services such as technical audits, employee and contractor labor to install measures, expenses, materials, and supplies.
Internal Implementation Services	Tracking of internal utility costs associated with delivering programs to customers, including labor, benefits, expenses, materials, and supplies.
Marketing	Costs for marketing, advertising, trade shows, toll-free numbers, and NHSaves website. Types of expenses include labor, benefits, consultants, contractors, expenses, materials, and supplies.
Evaluation	Costs for EM&V activities including labor, benefits, expenses, materials, supplies, consultants, contractors, and tracking systems.

Program Budget and Expenses by Category

Plan or Actual	Year	Utility	Sector	Program	Evaluation	Internal Administration	Internal Implementation	Marketing	Rebates-Services	External Administration	Performance Incentive	Total
Actual	2016	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 9,251	$ 3,529	$ 40,534	$ -	$ 261,644	$ -	$ -	$ 314,958
Actual	2016	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 11,419	$ 4,388	$ 15,731	$ 2,405	$ 52,044	$ -	$ -	$ 85,987
Actual	2016	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 10,782	$ 5,631	$ 22,157	$ 3,252	$ 114,156	$ -	$ -	$ 155,978
Actual	2016	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 6,242	$ 2,972	$ 36,425	$ 11,405	$ 171,603	$ -	$ -	$ 228,648
Actual	2016	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 8,228	$ 6,070	$ -	$ -	$ -	$ -	$ -	$ 14,297
Actual	2016	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 18,299	$ 5,735	$ 96,653	$ 4,902	$ 546,112	$ -	$ -	$ 671,701
Actual	2016	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 14,447	$ 3,845	$ 63,147	$ 5,931	$ 208,364	$ -	$ -	$ 295,733
Actual	2016	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 7,088	$ 1,243	$ 23,792	$ 1,239	$ 129,680	$ -	$ -	$ 163,042
Actual	2016	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 10,907	$ 8,046	$ -	$ -	$ -	$ -	$ -	$ 18,952
Actual	2016	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ -	$ -	$ -	$ 1,600	$ 8,864	$ -	$ -	$ 10,464
Actual	2016	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 81,196	$ 81,196
Actual	2016	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 114,780	$ 114,780
Actual	**2016**	**Liberty - Electric**	**Total Portfolio**		**$ 96,663**	**$ 41,460**	**$ 298,439**	**$ 30,732**	**$ 1,492,466**	**$ -**	**$ 195,976**	**$ 2,155,736**
Plan	2016	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 23,141	$ 6,612	$ 59,506	$ -	$ 241,330	$ -	$ -	$ 330,589
Plan	2016	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 8,026	$ 2,293	$ 20,637	$ 5,733	$ 77,964	$ -	$ -	$ 114,653
Plan	2016	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 13,133	$ 3,752	$ 33,770	$ 9,381	$ 127,577	$ -	$ -	$ 187,613
Plan	2016	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 15,322	$ 4,378	$ 39,399	$ 10,944	$ 148,840	$ -	$ -	$ 218,882
Plan	2016	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 10,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,500
Plan	2016	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 45,367	$ 12,962	$ 116,658	$ 32,405	$ 440,709	$ -	$ -	$ 648,101
Plan	2016	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 29,489	$ 8,425	$ 75,828	$ 21,063	$ 286,461	$ -	$ -	$ 421,266
Plan	2016	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 11,465	$ 3,276	$ 29,482	$ 8,189	$ 111,376	$ -	$ -	$ 163,788
Plan	2016	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 24,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 24,500
Plan	2016	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ -	$ -	$ -	$ 1,620	$ 9,181	$ -	$ -	$ 10,802
Plan	2016	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 64,668	$ 64,668
Plan	2016	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 95,134	$ 95,134
Plan	**2016**	**Liberty - Electric**	**Total Portfolio**		**$ 180,942**	**$ 41,698**	**$ 375,280**	**$ 89,335**	**$ 1,443,437**	**$ -**	**$ 159,802**	**$ 2,290,495**
Actual	2017	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 13,421	$ 4,750	$ 57,788	$ 10,163	$ 266,151	$ 715	$ -	$ 352,987
Actual	2017	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 7,958	$ 902	$ 12,597	$ 4,031	$ 27,652	$ 219	$ -	$ 53,360
Actual	2017	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 6,468	$ 3,227	$ 11,971	$ 8,948	$ 119,569	$ 338	$ -	$ 150,522
Actual	2017	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 9,335	$ 3,656	$ 45,632	$ 13,718	$ 179,582	$ 438	$ -	$ 252,360
Actual	2017	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 6,410	$ 3,847	$ -	$ -	$ -	$ -	$ -	$ 10,257
Actual	2017	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 24,726	$ 7,102	$ 118,409	$ 17,463	$ 553,372	$ 1,281	$ -	$ 722,353
Actual	2017	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 24,272	$ 4,451	$ 75,402	$ 11,390	$ 306,994	$ 812	$ -	$ 423,319
Actual	2017	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 9,611	$ 1,338	$ 29,350	$ 4,471	$ 116,407	$ 328	$ -	$ 161,505
Actual	2017	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 8,497	$ 5,099	$ -	$ -	$ -	$ -	$ -	$ 13,597
Actual	2017	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ -	$ 575	$ -	$ -	$ 16,174	$ -	$ -	$ 16,748
Actual	2017	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 51,812	$ 51,812
Actual	2017	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 91,955	$ 91,955
Actual	**2017**	**Liberty - Electric**	**Total Portfolio**		**$ 110,699**	**$ 34,946**	**$ 351,149**	**$ 70,184**	**$ 1,585,900**	**$ 4,130**	**$ 143,767**	**$ 2,300,775**
Plan	2017	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 19,608	$ 9,804	$ 47,060	$ 19,608	$ 296,087	$ -	$ -	$ 392,168
Plan	2017	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 6,002	$ 3,001	$ 14,404	$ 6,002	$ 90,623	$ -	$ -	$ 120,031
Plan	2017	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 9,275	$ 4,638	$ 22,260	$ 9,275	$ 140,054	$ -	$ -	$ 185,503
Plan	2017	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 12,003	$ 6,002	$ 28,807	$ 12,003	$ 181,247	$ -	$ -	$ 240,062
Plan	2017	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 8,550	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,550
Plan	2017	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 35,152	$ 10,546	$ 87,881	$ 35,152	$ 534,318	$ -	$ -	$ 703,050
Plan	2017	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 22,263	$ 6,679	$ 55,658	$ 22,263	$ 338,401	$ -	$ -	$ 445,265
Plan	2017	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 9,000	$ 2,700	$ 22,499	$ 9,000	$ 136,793	$ -	$ -	$ 179,990
Plan	2017	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 19,950	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,950
Plan	2017	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 1,172	$ 352	$ 2,929	$ 1,172	$ 17,811	$ -	$ -	$ 23,435
Plan	2017	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 52,047	$ 52,047
Plan	2017	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 75,443	$ 75,443
Plan	**2017**	**Liberty - Electric**	**Total Portfolio**		**$ 142,975**	**$ 43,720**	**$ 281,499**	**$ 114,475**	**$ 1,735,334**	**$ -**	**$ 127,490**	**$ 2,445,494**

Program Budget and Expenses by Category

Plan or Actual	Year	Utility	Sector	Program	Evaluation	Internal Administration	Internal Implementation	Marketing	Rebates-Services	External Administration	Performance Incentive	Total
Actual	2018	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 17,970	$ 12,559	$ 14,310	$ 11,646	$ 262,918	$ 244	$ -	$ 319,646
Actual	2018	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 5,430	$ 7,695	$ 15,455	$ 3,378	$ 109,937	$ 74	$ -	$ 141,968
Actual	2018	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 7,039	$ 3,472	$ 13,317	$ 4,871	$ 169,539	$ 96	$ -	$ 198,334
Actual	2018	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 26,375	$ 3,535	$ 14,024	$ 11,299	$ 187,570	$ 104	$ -	$ 242,908
Actual	2018	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 4,939	$ 4,159	$ 8,065	$ 2,472	$ 145,000	$ 67	$ -	$ 164,703
Actual	2018	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 14,926	$ 1,260	$ -	$ -	$ -	$ -	$ -	$ 16,186
Actual	2018	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 30,722	$ 9,616	$ 91,241	$ 12,684	$ 595,088	$ 415	$ -	$ 739,766
Actual	2018	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 24,962	$ 7,958	$ 61,547	$ 10,044	$ 447,204	$ 316	$ -	$ 552,031
Actual	2018	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 6,079	$ 1,378	$ 18,651	$ 2,331	$ 139,469	$ 76	$ -	$ 167,985
Actual	2018	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 19,786	$ 1,670	$ -	$ -	$ -	$ -	$ -	$ 21,456
Actual	2018	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 231	$ 19	$ 24	$ 272	$ 11,549	$ 15	$ -	$ 12,110
Actual	2018	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 70,902	$ 70,902
Actual	2018	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 90,106	$ 90,106
Actual	**2018**	**Liberty - Electric**	**Total Portfolio**		**$ 158,460**	**$ 53,321**	**$ 236,634**	**$ 58,998**	**$ 2,068,274**	**$ 1,405**	**$ 161,008**	**$ 2,738,100**
Plan	2018	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 22,818	$ 16,107	$ 69,797	$ 21,476	$ 405,683	$ 1,017	$ -	$ 536,898
Plan	2018	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 6,895	$ 4,867	$ 21,091	$ 6,489	$ 122,585	$ 307	$ -	$ 162,235
Plan	2018	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 8,938	$ 6,309	$ 27,340	$ 8,412	$ 158,907	$ 399	$ -	$ 210,304
Plan	2018	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 9,704	$ 6,850	$ 29,683	$ 9,133	$ 172,528	$ 433	$ -	$ 228,331
Plan	2018	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 1,850	$ 1,250	$ 4,850	$ 1,750	$ 137,000	$ 250	$ -	$ 146,950
Plan	2018	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 19,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,500
Plan	2018	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 38,788	$ 27,380	$ 118,645	$ 36,506	$ 689,603	$ 1,729	$ -	$ 912,651
Plan	2018	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 29,579	$ 20,879	$ 90,477	$ 27,839	$ 525,885	$ 1,319	$ -	$ 695,978
Plan	2018	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 7,130	$ 5,033	$ 21,808	$ 6,710	$ 126,756	$ 318	$ -	$ 167,755
Plan	2018	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 45,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 45,500
Plan	2018	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 1,395	$ 985	$ 4,268	$ 1,313	$ 24,806	$ 62	$ -	$ 32,829
Plan	2018	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 71,732	$ 71,732
Plan	2018	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 102,009	$ 102,009
Plan	**2018**	**Liberty - Electric**	**Total Portfolio**		**$ 192,097**	**$ 89,659**	**$ 387,957**	**$ 119,629**	**$ 2,363,753**	**$ 5,835**	**$ 173,741**	**$ 3,332,671**
Actual	2019	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 32,298	$ 50,253	$ 42,822	$ 11,171	$ 533,885	$ 93		$ 670,522
Actual	2019	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 8,662	$ 8,705	$ 9,306	$ 3,608	$ 137,659	$ 25	$ -	$ 167,964
Actual	2019	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 16,611	$ 26,828	$ 21,123	$ 8,574	$ 241,239	$ 48	$ -	$ 314,424
Actual	2019	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 13,637	$ 6,141	$ 14,851	$ 5,759	$ 278,041	$ 18	$ -	$ 318,447
Actual	2019	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 3,022	$ 3,015	$ 5,230	$ 2,055	$ 117,595	$ 8	$ -	$ 130,924
Actual	2019	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 17,940	$ 628	$ -	$ -	$ -	$ -	$ -	$ 18,568
Actual	2019	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 56,697	$ 13,725	$ 96,804	$ 14,281	$ 786,599	$ 166	$ -	$ 968,272
Actual	2019	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 40,422	$ 12,184	$ 78,836	$ 13,939	$ 740,628	$ 118	$ -	$ 886,127
Actual	2019	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 7,693	$ 2,481	$ 14,509	$ 2,174	$ 139,966	$ 20	$ -	$ 166,842
Actual	2019	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 23,781	$ 833	$ -	$ -	$ -	$ -	$ -	$ 24,614
Actual	2019	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 2,943	$ 1,394	$ 7,651	$ 438	$ 41,882	$ 8	$ -	$ 54,316
Actual	2019	Liberty - Electric	A - Residential	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 89,337	$ 89,337
Actual	2019	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 106,662	$ 106,662
Actual	**2019**	**Liberty - Electric**	**Total Portfolio**		**$ 223,707**	**$ 126,185**	**$ 291,131**	**$ 62,000**	**$ 3,017,494**	**$ 503**	**$ 196,000**	**$ 3,917,019**
Plan	2019	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 34,517	$ 23,102	$ 89,745	$ 27,614	$ 514,309	$ 1,060	$ -	$ 690,348
Plan	2019	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 9,257	$ 6,195	$ 24,068	$ 7,406	$ 137,928	$ 284	$ -	$ 185,138
Plan	2019	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 17,753	$ 11,882	$ 46,157	$ 14,202	$ 264,515	$ 545	$ -	$ 355,054
Plan	2019	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 15,081	$ 10,093	$ 39,210	$ 12,064	$ 224,701	$ 463	$ -	$ 301,612
Plan	2019	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 2,550	$ 1,550	$ 5,300	$ 2,150	$ 117,500	$ 250	$ -	$ 129,300
Plan	2019	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 19,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,500
Plan	2019	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 61,561	$ 41,201	$ 160,057	$ 49,248	$ 917,253	$ 1,891	$ -	$ 1,231,211
Plan	2019	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 43,889	$ 29,374	$ 114,112	$ 35,111	$ 653,949	$ 1,348	$ -	$ 877,784
Plan	2019	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 8,352	$ 5,590	$ 21,716	$ 6,682	$ 124,451	$ 257	$ -	$ 167,048

Program Budget and Expenses by Category

Plan or Actual	Year	Utility	Sector	Program	Evaluation	Internal Administration	Internal Implementation	Marketing	Rebates-Services	External Administration	Performance Incentive	Total
Plan	2019	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 45,500	$ -	$ -	$ -	$ -	$ -	$ -	$ 45,500
Plan	2019	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 2,919	$ 1,953	$ 7,588	$ 2,335	$ 43,488	$ 90	$ -	$ 58,373
Plan	2019	Liberty - Electric	A - Residential	Performance Incentive		$ -	$ -	$ -	$ -	$ -	$ 92,452	$ 92,452
Plan	2019	Liberty - Electric	C - Commercial & Industrial	Performance Incentive	$ -	$ -	$ -	$ -	$ -	$ -	$ 130,895	$ 130,895
Plan	**2019**	**Liberty - Electric**	**Total Portfolio**		**$ 260,878**	**$ 130,941**	**$ 507,954**	**$ 156,813**	**$ 2,998,093**	**$ 6,189**	**$ 223,348**	**$ 4,284,216**
Actual	2020	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 40,458	$ 7,915	$ 120,643	$ 17,740	$ 730,624	$ 4,197	$ -	$ 921,576
Actual	2020	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 12,092	$ 2,346	$ 29,769	$ 5,257	$ 125,543	$ 1,254	$ -	$ 176,261
Actual	2020	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 19,429	$ 3,174	$ 36,611	$ 7,112	$ 496,887	$ 2,015	$ -	$ 565,229
Actual	2020	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 12,369	$ 2,346	$ 23,854	$ 10,225	$ 489,463	$ 1,283	$ -	$ 539,539
Actual	2020	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 4,012	$ 1,315	$ 9,182	$ -	$ 90,502	$ 386	$ -	$ 105,397
Actual	2020	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 16,508	$ 454	$ -	$ -	$ -	$ -	$ -	$ 16,962
Actual	2020	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 63,125	$ 12,427	$ 147,269	$ 19,697	$ 1,371,224	$ 6,631	$ -	$ 1,620,373
Actual	2020	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 44,074	$ 8,618	$ 106,338	$ 12,566	$ 1,325,891	$ 5,634	$ -	$ 1,503,121
Actual	2020	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 5,083	$ 1,492	$ 11,420	$ 1,382	$ 145,536	$ 449	$ -	$ 165,361
Actual	2020	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 21,882	$ 602	$ -	$ -	$ -	$ -	$ -	$ 22,484
Actual	2020	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 2,665	$ 974	$ 7,092	$ 800	$ 17,388	$ 254	$ -	$ 29,173
Actual	2020	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio	$ -	$ -	$ -	$ -	$ -	$ -	$ 320,987	$ 320,987
Actual	**2020**	**Liberty - Electric**	**Total Portfolio**		**$ 241,698**	**$ 41,662**	**$ 492,178**	**$ 74,778**	**$ 4,793,058**	**$ 22,103**	**$ 320,987**	**$ 5,986,464**
Plan	2020	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 60,092	$ 39,661	$ 156,240	$ 60,092	$ 883,359	$ 2,404	$ -	$ 1,201,849
Plan	2020	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 17,960	$ 11,853	$ 46,695	$ 3,592	$ 278,376	$ 718	$ -	$ 359,195
Plan	2020	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 28,858	$ 17,892	$ 72,145	$ 35,056	$ 422,056	$ 1,154	$ -	$ 577,162
Plan	2020	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 18,372	$ 12,125	$ 44,092	$ 12,860	$ 279,251	$ 735	$ -	$ 367,436
Plan	2020	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 6,065	$ 4,003	$ 15,163	$ -	$ 95,827	$ 243	$ -	$ 121,300
Plan	2020	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 21,646	$ 1,623	$ -	$ -	$ -	$ 3,788	$ -	$ 27,057
Plan	2020	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 94,941	$ 62,661	$ 227,859	$ 37,976	$ 1,471,589	$ 3,798	$ -	$ 1,898,824
Plan	2020	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 60,444	$ 39,893	$ 145,065	$ 24,177	$ 936,876	$ 2,418	$ -	$ 1,208,872
Plan	2020	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 8,336	$ 5,502	$ 21,673	$ 8,336	$ 122,534	$ 333	$ -	$ 166,713
Plan	2020	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 50,507	$ 3,788	$ -	$ -	$ -	$ 8,839	$ -	$ 63,134
Plan	2020	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 3,638	$ 2,401	$ 9,458	$ 3,638	$ 53,475	$ 146	$ -	$ 72,756
Plan	2020	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio	$ -	$ -	$ -	$ -	$ -	$ -	$ 333,536	$ 333,536
Plan	**2020**	**Liberty - Electric**	**Total Portfolio**		**$ 370,858**	**$ 201,403**	**$ 738,390**	**$ 185,728**	**$ 4,543,343**	**$ 24,575**	**$ 333,536**	**$ 6,397,833**
Actual	2021	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 24,357	$ 11,383	$ 90,591	$ 18,643	$ 982,737	$ 610	$ -	$ 1,128,321
Actual	2021	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 8,747	$ 3,571	$ 26,738	$ 5,169	$ 113,379	$ 1,022	$ -	$ 158,626
Actual	2021	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 11,697	$ 5,043	$ 43,358	$ 9,155	$ 548,757	$ 293	$ -	$ 618,302
Actual	2021	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 7,446	$ 5,613	$ 28,941	$ 5,288	$ 446,317	$ 187	$ -	$ 493,790
Actual	2021	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 2,246	$ 2,792	$ 6,038	$ -	$ 67,875	$ 44	$ -	$ 78,995
Actual	2021	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 12,656	$ 491	$ -	$ -	$ -	$ -	$ -	$ 13,147
Actual	2021	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 39,357	$ 31,719	$ 128,587	$ 30,741	$ 1,108,668	$ 964	$ -	$ 1,340,036
Actual	2021	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 25,214	$ 11,139	$ 112,359	$ 19,965	$ 1,438,530	$ 792	$ -	$ 1,608,000
Actual	2021	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 2,783	$ 2,180	$ 9,587	$ 1,889	$ 150,257	$ 44	$ -	$ 166,740
Actual	2021	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 16,777	$ 651	$ -	$ -	$ -	$ -	$ -	$ 17,428
Actual	2021	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 1,508	$ 1,778	$ 7,006	$ 1,282	$ 10,409	$ 37	$ -	$ 22,021
Actual	2021	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio	$ -	$ -	$ -	$ -	$ -	$ -	$ 335,189	$ 335,189
Actual	**2021**	**Liberty - Electric**	**Total Portfolio**		**$ 152,787**	**$ 76,360**	**$ 453,205**	**$ 92,131**	**$ 4,866,928**	**$ 3,994**	**$ 335,189**	**$ 5,980,595**
Plan	2021	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 60,092	$ 61,294	$ 88,937	$ 30,046	$ 959,076	$ 2,404	$ -	$ 1,201,849
Plan	2021	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 17,960	$ 18,319	$ 26,221	$ 8,980	$ 286,997	$ 718	$ -	$ 359,195
Plan	2021	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 28,858	$ 29,435	$ 42,133	$ 14,429	$ 461,152	$ 1,154	$ -	$ 577,162
Plan	2021	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 18,372	$ 18,739	$ 26,823	$ 9,186	$ 293,581	$ 735	$ -	$ 367,436
Plan	2021	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 6,065	$ 3,396	$ 3,639	$ 1,213	$ 106,744	$ 243	$ -	$ 121,300
Plan	2021	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 24,811	$ 758	$ 1,488	$ -	$ -	$ -	$ -	$ 27,057
Plan	2021	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 94,941	$ 96,840	$ 138,614	$ 47,471	$ 1,517,160	$ 3,798	$ -	$ 1,898,823

Program Budget and Expenses by Category

Plan or Actual	Year	Utility	Sector	Program	Evaluation	Internal Administration	Internal Implementation	Marketing	Rebates-Services	External Administration	Performance Incentive	Total
Plan	2021	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 60,444	$ 61,652	$ 88,248	$ 30,222	$ 965,889	$ 2,418	$ -	$ 1,208,872
Plan	2021	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 8,336	$ 8,502	$ 12,170	$ 4,168	$ 133,204	$ 333	$ -	$ 166,713
Plan	2021	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 57,894	$ 1,768	$ 3,472	$ -	$ -	$ -	$ -	$ 63,134
Plan	2021	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 3,638	$ 3,711	$ 5,311	$ 1,819	$ 58,132	$ 146	$ -	$ 72,756
Plan	2021	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio	$ -	$ -	$ -	$ -	$ -	$ -	$ 333,536	$ 333,536
Plan	**2021**	**Liberty - Electric**	**Total Portfolio**		**$ 381,410**	**$ 304,415**	**$ 437,056**	**$ 147,533**	**$ 4,781,934**	**$ 11,948**	**$ 333,536**	**$ 6,397,833**
Actual	2022	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 22,997	$ 17,876	$ 101,116	$ 2,557	$ 858,954	$ 692		$ 1,004,193
Actual	2022	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 4,131	$ 4,181	$ 19,062	$ 3,224	$ 157,647	$ 178		$ 188,422
Actual	2022	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 11,833	$ 6,882	$ 36,898	$ 1,228	$ 416,644	$ 341		$ 473,826
Actual	2022	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 8,573	$ 6,909	$ 26,956	$ 2,477	$ 248,803	$ 229		$ 293,946
Actual	2022	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 2,119	$ 1,747	$ 7,094	$ -	$ 87,059	$ 68		$ 98,086
Actual	2022	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 9,575	$ 412	$ -	$ -	$ -	$ -		$ 9,987
Actual	2022	Liberty - Electric	A - Residential	A6c - Residential Education	$ 701	$ 167	$ 2,077	$ 13	$ 15,892	$ 8		$ 18,857
Actual	2022	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 27,351	$ 20,264	$ 119,431	$ 4,040	$ 627,417	$ 998		$ 799,501
Actual	2022	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 28,397	$ 23,310	$ 100,940	$ 4,731	$ 794,783	$ 753		$ 952,913
Actual	2022	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 2,568	$ 2,324	$ 9,333	$ 321	$ 129,007	$ 79		$ 143,633
Actual	2022	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 22,342	$ 961	$ -	$ -	$ -	$ -		$ 23,304
Actual	2022	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 693	$ 4,115	$ 5,176	$ 141	$ 3,899	$ 34		$ 14,059
Actual	2022	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio							$ 208,223	$ 208,223
Actual	**2022**	**Liberty - Electric**	**Total Portfolio**		**$ 141,280**	**$ 89,147**	**$ 428,083**	**$ 18,734**	**$ 3,340,105**	**$ 3,379**	**$ 208,223**	**$ 4,228,950**
Plan	2022	Liberty - Electric	B - Low-Income	B1 - Home Energy Assistance	$ 41,793	$ 39,666	$ 62,468	$ 35,301	$ 996,647	$ 840		$ 1,176,716
Plan	2022	Liberty - Electric	A - Residential	A1 - Energy Star Homes	$ 5,710	$ 5,732	$ 9,027	$ 5,101	$ 144,355	$ 121		$ 170,047
Plan	2022	Liberty - Electric	A - Residential	A2 - Home Performance with Energy Star	$ 21,958	$ 20,811	$ 32,774	$ 18,521	$ 522,868	$ 441		$ 617,374
Plan	2022	Liberty - Electric	A - Residential	A3 - Energy Star Products	$ 15,509	$ 15,570	$ 24,521	$ 13,857	$ 392,111	$ 330		$ 461,898
Plan	2022	Liberty - Electric	A - Residential	A4 - Residential Behavior	$ 3,537	$ 3,551	$ 5,593	$ 3,161	$ 89,433	$ 75		$ 105,350
Plan	2022	Liberty - Electric	A - Residential	A6b - Res ISO Forward Capacity Market Expenses	$ 5,275	$ -	$ 3,820	$ -	$ -	$ -		$ 9,095
Plan	2022	Liberty - Electric	A - Residential	A6c - Residential Education	$ 1,559	$ 1,565	$ 2,465	$ 1,393	$ 39,411	$ 33		$ 46,425
Plan	2022	Liberty - Electric	C - Commercial & Industrial	C1 - Large Business Energy Solutions	$ 42,444	$ 42,611	$ 67,106	$ 37,922	$ 1,073,095	$ 903		$ 1,264,081
Plan	2022	Liberty - Electric	C - Commercial & Industrial	C2 - Small Business Energy Solutions	$ 51,453	$ 51,656	$ 81,351	$ 45,972	$ 1,300,880	$ 1,094		$ 1,532,407
Plan	2022	Liberty - Electric	C - Commercial & Industrial	C3 - Municipal Energy Solutions	$ 5,283	$ 5,304	$ 8,353	$ 4,720	$ 133,565	$ 112		$ 157,337
Plan	2022	Liberty - Electric	C - Commercial & Industrial	C6b - C&I ISO Forward Capacity Market Expenses	$ 12,308	$ -	$ 8,913	$ -	$ -	$ -		$ 21,221
Plan	2022	Liberty - Electric	C - Commercial & Industrial	C6c - C&I Education	$ 838	$ 841	$ 1,325	$ 749	$ 21,180	$ 18		$ 24,950
Plan	2022	Liberty - Electric	D - Portfolio	Performance Incentive - Portfolio							$ 307,280	$ 307,280
Plan	**2022**	**Liberty - Electric**	**Total Portfolio**		**$ 207,667**	**$ 187,309**	**$ 307,714**	**$ 166,698**	**$ 4,713,545**	**$ 3,968**	**$ 307,280**	**$ 5,894,180**

Note: Liberty (Electric) did not expend any program dollars on "Subsidiaries," as the Company does not have any subsidiaries.

Information depicted is preliminary, pending issuance of the 2022 Annual Report

Program Funding by Category				
Plan or Actual	**Year**	**Utility**	**Category**	**Amount**
Plan	2016	Liberty - Electric	System Benefits Charge	$1,714,102
Plan	2016	Liberty - Electric	Carryforward	$147,654
Plan	2016	Liberty - Electric	RGGI	$218,739
Plan	2016	Liberty - Electric	FCM	$210,000
Plan	**2016**	**Liberty - Electric**	**Total**	**$2,290,495**
Actual	2016	Liberty - Electric	System Benefits Charge	$1,638,441
Actual	2016	Liberty - Electric	RGGI Funding	$195,761
Actual	2016	Liberty - Electric	FCM Payments	$213,930
Actual	2016	Liberty - Electric	Interest	$9,447
Plan	**2016**	**Liberty - Electric**	**Total**	**$2,057,580**
Plan	2017	Liberty - Electric	System Benefits Charge	$1,874,309
Plan	2017	Liberty - Electric	Carryforward	$132,282
Plan	2017	Liberty - Electric	RGGI	$221,401
Plan	2017	Liberty - Electric	FCM	$217,502
Plan	**2017**	**Liberty - Electric**	**Total**	**$2,445,494**
Actual	2017	Liberty - Electric	System Benefits Charge	$1,761,647
Actual	2017	Liberty - Electric	RGGI Funding	$215,199
Actual	2017	Liberty - Electric	FCM Payments	$448,999
Actual	2017	Liberty - Electric	Interest	$15,295
Plan	**2017**	**Liberty - Electric**	**Total**	**$2,441,140**
Plan	2018	Liberty - Electric	System Benefits Charge	$2,486,071
Plan	2018	Liberty - Electric	Carryforward	$22,660
Plan	2018	Liberty - Electric	RGGI	$217,087
Plan	2018	Liberty - Electric	FCM	$606,853
Plan	**2018**	**Liberty - Electric**	**Total**	**$3,332,671**
Actual	2018	Liberty - Electric	System Benefits Charge	$2,494,292
Actual	2018	Liberty - Electric	RGGI Funding	$210,395
Actual	2018	Liberty - Electric	FCM Payments	$669,230
Actual	2018	Liberty - Electric	Interest	$44,241
Plan	**2018**	**Liberty - Electric**	**Total**	**$3,418,158**
Plan	2019	Liberty - Electric	System Benefits Charge	$3,424,682
Plan	2019	Liberty - Electric	Carryforward	$13,024
Plan	2019	Liberty - Electric	RGGI	$213,985
Plan	2019	Liberty - Electric	FCM	$632,524
Plan	**2019**	**Liberty - Electric**	**Total**	**$4,284,216**
Actual	2019	Liberty - Electric	System Benefits Charge	$3,311,243
Actual	2019	Liberty - Electric	RGGI Funding	$216,196
Actual	2019	Liberty - Electric	FCM Payments	$738,156
Actual	2019	Liberty - Electric	Interest	$91,899
Plan	**2019**	**Liberty - Electric**	**Total**	**$4,357,494**

Program Funding by Category				
Plan or Actual	**Year**	**Utility**	**Category**	**Amount**
Plan	2020	Liberty - Electric	System Benefits Charge	$4,882,641
Plan	2020	Liberty - Electric	Carryforward	$693,083
Plan	2020	Liberty - Electric	RGGI	$212,954
Plan	2020	Liberty - Electric	FCM	$609,155
Plan	**2020**	**Liberty - Electric**	**Total**	**$6,397,833**
Actual	2020	Liberty - Electric	System Benefits Charge	$4,614,349
Actual	2020	Liberty - Electric	RGGI Funding	$214,280
Actual	2020	Liberty - Electric	FCM Payments	$623,179
Actual	2020	Liberty - Electric	Interest	$76,676
Plan	**2020**	**Liberty - Electric**	**Total**	**$5,528,484**
Plan	2021	Liberty - Electric	System Benefits Charge	$4,882,641
Plan	2021	Liberty - Electric	Carryforward	$693,083
Plan	2021	Liberty - Electric	RGGI	$212,954
Plan	2021	Liberty - Electric	FCM	$609,155
Plan	**2021**	**Liberty - Electric**	**Total**	**$6,397,833**
Actual	2021	Liberty - Electric	System Benefits Charge	$4,762,864
Actual	2021	Liberty - Electric	RGGI Funding	$217,037
Actual	2021	Liberty - Electric	FCM Payments	$599,079
Actual	2021	Liberty - Electric	Interest	$60,747
Plan	**2021**	**Liberty - Electric**	**Total**	**$5,639,727**
Plan	2022	Liberty - Electric	System Benefits Charge	$4,574,590
Plan	2022	Liberty - Electric	Carryforward	$562,199
Plan	2022	Liberty - Electric	RGGI	$207,114
Plan	2022	Liberty - Electric	FCM	$550,278
Plan	**2022**	**Liberty - Electric**	**Total**	**$5,894,180**
Actual	2022	Liberty - Electric	System Benefits Charge	$4,375,968
Actual	2022	Liberty - Electric	RGGI Funding	$266,112
Actual	2022	Liberty - Electric	FCM Payments	$551,700
Actual	2022	Liberty - Electric	Interest	$86,755
Plan	**2022**	**Liberty - Electric**	**Total**	**$5,280,536**

Information depicted is preliminary, pending issuance of the 2022 Annual Report

HEA Projects, By Incentive Level - 2022		
Rebate Range	**Owner Occupied Dwelling**	**Renter Occupied Dwelling**
$0-$9K	1089	184
$9K-$12K	4	1
$12K-$15K	4	2
$15K+	0	0

Information depicted is preliminary, pending issuance of the 2022 Annual Report

Notes

(1) The Company has not historically required internal tracking of renter vs. owner-occupied projects, and therefore cannot guarantee the accuracy of this field.
(2) It is assumed by the Utilities that 100% of the benefits from these projects flow to the occupant of the home.

HEA Projects, Incentive Above $15,000 - 2022					
Project	**Sq Ft**	**Dwelling Type**	**Owner/Renter**	**Heating System Replacement**	**Details**
1	n/a	n/a	n/a	n/a	n/a

There are no 2022 HEA projects with an incentive above $15,000

Information depicted is preliminary, pending issuance of the 2022 Annual Report

Template for the Annual Certification of Accuracy of Measurement and Verification Documents Form – to be completed and signed by the Lead Participant and returned to ISO-NE by May 26, 2022 (new due date: July 6, 2022)

In accordance with the ISO-NE requirement to annually provide a statement to certify the accuracy of the performance of Demand Capacity Resources I hereby certify:

- that the Demand Capacity Resource projects for which the Project Sponsor is requesting compensation continue to perform in accordance with the submitted Measurement and Verification Documents reviewed by the ISO

- that the calculation of the demand reduction performance complies with the minimum statistical significance requirements described in Section 7.2.2 of Manual MVDR

- that compliance with the submitted Measurement and Verification Plan was reviewed by the independent third party listed here

  ADM Associates, Inc.
  Curtis Robbins
  3239 Romas Circle
  1-775-229-4433
  Sacramento, CA 95827
  Curtis.robbins@admenergy.com

- that for projects for which I cannot certify compliance with the approved Measurement and Verification Plan or, for projects using statistical sampling where there are deviations from minimum statistical significance requirements, the corresponding projects have been specified in the independent third party report included with this certification and are listed here:
  - Resource ID: not applicable

Included with this certification is a copy of the detailed audit report as well as the supporting documentation that was used in conducting the audit/evaluation and developing the certification.

Signed

Eric M Stanley
Authorized Market Participant Signature

June 6, 2022
Date

Title: Manager, Energy Efficiency and Customer Programs
Print Name: Eric Stanley
Email: Eric.Stanley@libertyutilities.com

ISO-NE Forward Capacity Market Annual Certification

Prepared for:

Liberty Utilities (Granite State Electric)

June 2022

Prepared by:

ADM Associates, Inc.

TABLE OF CONTENTS

INTRODUCTION

This report presents the findings of the annual measurement and verification (M&V) certification for the Independent System Operator – New England Forward Capacity Market (ISO-NE-FCM). The estimates provided represent the statistical accuracy of demand reduction values (DRVs) available for the thirteenth ISO-NE Forward Capacity Auction (FCA13). Estimates are for eligible equipment that has been installed due to energy efficiency program participation. Eligible measures are considered that have not reached the end of their effective useful life as of June 1, 2022. The statistical accuracy of the DRVs complies with the requirements as specified in ISO-NE Measurement and Verification of On-Peak Demand Resources and Seasonal Peak Demand Resources manual (M-MVDR) for ISO-NE-FCM submittal. Certification of DRVs was accomplished through a program data review, measure specific algorithm review, a verification of a sample of projects and a statistical analysis. Certification ensures offerings are within 10% precision at an 80% confidence interval.

Liberty's demand reduction calculation methodology, as described in Liberty's M&V Plan, determines gross kilowatt reduction (kW) through equipment verification, short-term on-site monitoring, and industry approved engineering calculations. Gross kW values are adjusted based on stipulated factors from the public utility commission (PUC) approved benefit cost model. DRVs are evaluated through a state-wide third-party evaluation effort.

PROGRAM DATA REVIEW

Certification for ISO-NE includes the review of M&V practices as specified in the ISO-NE M-MVDR. As described in Liberty's M&V plan, energy and demand savings are generated by accounting for data associated with every installed measure or groups of installed measures. The summation of measures installed comprises the DRV estimate. Liberty performs quality controls of data, including program administrator staff review, to identify outliers, missing data, and determine eligibility. All tracking system data and supporting data are available at Liberty for audit purposes.

ADM conducted a review of the program tracking data, measure specific gross demand reduction algorithms, and adjusted gross stipulations. Program tracking data was reviewed for accuracy and consistency across data fields such as business sector, measure life, and program classification. Energy savings programs during the program year covering 2021 included Home Energy Assistance, EnergyStar® Homes, EnergyStar® Products, Home Performance with EnergyStar®, Large Business Energy Solutions, Small Business Energy Solutions, and Municipal. Program delivery mechanisms included direct-install, downstream and midstream. Program offerings were consistent with statewide offerings.

The provided program tracking data underwent a series of checks for completeness and systematic errors that can often arise from developing a subset of program information. ADM did not find any systematic issues with the provided program tracking data.

While ADM selected a random sample to represent statistical precision, additional measures with demand reductions higher or lower than expected were also reviewed. These measures (LED bulbs and fixtures, Room AC, thermostat) were mostly part of the Home Energy Assistance Program where savings algorithms are built into the implementation software tool TREAT (Targeted Retrofit Energy Analysis Tool). Results are then reported through the statewide reporting tool known as OTTER. As part of program implementation, 10% of installations undergo post-installation quality assurance verifications to confirm proper data entry into TREAT.

SAMPLE PROJECT VERIFICATION

Verification of DRV accuracy was achieved through stratified sampling across sector types Residential, Low Income, and Commercial. Statistical representation of the population was achieved through determination of a sample size consistent with the ISO-NE M-MVDR. Projects were selected randomly by strata, with three strata based on winter kW for commercial lighting, two strata based on winter kW for commercial non-lighting, and two strata for each non-commercial program based on winter kW. There were 13 strata in total accounting for measures within 9 sampled commercial projects, and 30 sampled residential measures (accounting for over 300 sampled residential line items). With these measures considered as sampled, the sample size was 351 program tracking data line items.[1]

Residential

Max peak demand reduction for residential projects was verified through a review of the applicable measure algorithms from the New Hampshire Technical Reference Manual (NH TRM). The NH TRM provides algorithms, algorithm inputs, and deemed values to calculate the change in connected load (ΔkW) as well as adjustment factors including In-Service Rates, Realization Rates, Net-to-gross Rates, and Coincidence Factors to calculate winter peak demand reduction and summer peak demand reduction. All measures selected randomly in the M&V Certification sample were included in the NH TRM.

Provided Coincidence Factors (CF) from the NH TRM for both summer and winter peak demand reduction were used in ADM's analysis. ADM reviewed the statewide Benefit-Cost Analysis Model's (BCA Tool) and found some inconsistent results with gross savings adjustment factors when compared to the NH TRM..

ADM verified winter and summer On-Peak reductions for the following measures:

- LED Lighting
- Refrigerator Recycling
- Thermostats
- Room AC
- Room Purifiers
- Central Air Source Heat Pump (ASHP)
- Boiler Circulator Pump
- Clothes Washers and Dryers
- Dehumidifiers
- Pool Pumps
- Faucet Aerators and Showerheads
- Pipe Insulation

[1] A line item refers to a line in the program tracking data representing an aggregated count of an individual measure within an individual commercial project or residence.

Commercial

Project documentation was acquired for commercial projects, including invoices, savings calculators, inspection reports and specification sheets. M&V efforts as well as deemed industry standards were considered for gross winter and summer peak demand reduction. Nine commercial projects were chosen for detailed review; two non-lighting projects and seven lighting projects (including Large Commercial, Small Commercial, New Construction, and Retrofit).

Commercial Lighting

ADM found max demand reductions to be consistent with the provided lighting calculators. The lighting calculators provided documentation of inspections and equipment specifications. Inspections provided photographic evidence of equipment as well as quantities and model type verification. Provided invoices allowed ADM to verify quantities. Calculator reviews included confirmation of baseline and efficient condition wattages, ballast factors, and space types. The provided lighting calculators use measure type factors to account for ballast factor impacts. ADM found this table of factors to be consistent with industry standard references. ADM adjusted the max gross demand reduction based on M&V findings and the NH TRM.

For one lighting project with various lighting measures, ADM believes that the reported winter peak demand reduction for exterior lighting within the project included all line items of the project (various lighting measures).

ADM found variances in adjustment factors for summer and winter peak demand reduction compared to the BCA Model. Minor differences were found in realization rates and In-Service Rates. Larger differences were found between the NH TRM Coincidence Factors and the BCA Model load shape factors. It was not clear if the BCA Model was used in any of the reported calculations, but results from ADM's use of the NH TRM adjustment factors resulted in differences for both summer and winter peak demand reduction.

ADM's analysis found results from lighting measures to vary from 89% to 103% of reported summer peak demand reduction. For winter peak demand reduction, ADM found lighting measures to vary from 21% to 101%. Across the seven projects, ADM found a higher aggregated summer kW result and lower aggregated winter kW values compared to the program tracking data. In general, the winter peak period coincidence factors from the NH TRM are lower than the BCA Model.

In addition, ADM found variance in measure level Adjusted Measure Life (AML) between the NH TRM and the BCA Model. While the new measures from 2021 have no impact on the FCA13

offering, there will be future implications. In general, the lighting AMLs in the NH TRM are lower than the BCA Model.

Commercial Non-Lighting

ADM performed verification analysis on two commercial non-lighting projects consisting of high efficiency refrigeration case replacements, adding doors to open refrigeration units, and an air-to-air ducted heat pump system.

ADM found consistency in the M&V and calculations of maximum demand reduction for the heat pump system. The reported summer peak demand reduction appears to claim the maximum demand reduction. ADM applied the NH TRM Coincidence Factors related to heat pump systems resulting in a reduction in summer peak demand reduction of 67% and reduction in winter peak demand reduction of 5%.

Regarding the refrigeration project, ADM found a similar maximum load reduction as the reported calculations based on an annual energy savings analysis. The result is a summer peak demand reduction 6% higher than reported and a winter peak demand reduction 1% higher than reported.

Liberty reports their DRV to ISO-NE through the ISO-NE Energy Efficiency Measure Database. Liberty is available for any auditing that ISO-NE feels is necessary and continues to provide an independent annual certification of their DRV through annual reporting.

STATISTICAL APPROACH

Certification for ISO-NE includes calculating the statistical precision of peak demand reduction of the evaluated portfolio as specified in ISO-NE M-MVDR. Results are calculated within 10% precision at the 80% confidence interval. The statistical review is applied to the claimed adjusted gross summer and winter peak demand reductions. A random stratified sample was drawn from current year projects to represent the population with precision combining all DRV inputs and stipulations (such as in-service rates, realization rates, and coincidence factors). Statistical precision is designed to meet ISO-NE M-MVDR for all eligible DRV from current and past program participation.

Statistical precision of eligible DRV includes the assurance of equipment installation, operation, and accountability of baseline conditions. Liberty Utilities performs post-inspection protocols on all commercial projects, ensuring the accuracy of inputs for DRV calculations. As described in the sample project verification, prescriptive algorithms reference the NH TRM, when applicable, and use industry approved algorithms when not available.

Prior certifications were reviewed for their statistical approach to incorporate statistical precision from past projects that remain eligible for FCA13. Some prior certification's used chaining and pooling statistical approaches which adhere to our sampling methods for this year. In the stratified approach, a relative precision is calculated for each stratum, using a *t* value of 1.282, which corresponds to a two tailed 80% confidence interval. A coefficient of variation of 0.5 was applied to each stratum. Relative precision for each stratum was calculated as:

$$RP = 1.282 * \mathrm{CV} * \sqrt{1/n - 1/\mathrm{N}}$$

Where:

RP is the relative precision.

CV is the coefficient of variation for reported project demand impacts.

N is the population size for the stratum and,

n is the achieved sample size.

Relative precision for each sector and for the portfolio across projects in service from June 2021 until present was calculated. This was achieved through the application of the root sum squared across the aggregated relative precision and aggregated demand reductions of all strata.

STATISTICAL SIGNIFICANCE

Results for summer and winter peak demand reductions, across all sectors, are shown in Table 1. Results are based on eligible DRV from FCA5 through FCA13. Results from this year's certification sample yielded a higher calculated summer kW and a lower winter kW for measures added to the offering. The differences appear to be driven by variance in load shape factors from the statewide BCA Tool compared to the NH TRM or M&V findings relating to usage during the peak periods. The differences found represent a 9.85% decrease in winter kW and a 0.74% increase in summer kW for measures added to the FCA13 offering from the previous analysis for the FCA12 offering. When combined with all measures in the FCA13 offering, Liberty utilities has met the ISO-NE requirements as shown in Table 1.

Table 1: Summary of Results

Season	Demand Reduction (kW)	Error Bound	Relative Precision
Winter	9,871.1	583.2	5.91%
Summer	7,783.1	532.7	6.84%

Relative precision and error bound were determined by sector from projects with eligible DRV from FCA5 through FCA13. Results are shown in Table 2. Residential energy efficiency measures have a larger influence on winter demand reduction compared to summer demand reduction. This is driven by the large influence of lighting. The measure type with the largest influence on commercial DRV is also lighting (seconded by HVAC measures), however, operating schedules for commercial applications somewhat level DRV between summer and winter demand reduction.

Table 2: Savings and Precision by Sector

Season	Demand Reduction (kW)	Error Bound	Relative Precision
Summer			
C&I	6,602.7	486.4	7.37%
Low Income	150.6	30.4	20.18%
Residential	1,827.6	215.2	11.78%
Summer Totals	**7,783.1**	**532.7**	**6.84%**
Winter			
C&I	5,177.2	301.0	5.81%
Low Income	348.6	91.1	26.15%
Residential	4,345.3	491.1	11.30%
Winter Totals	**9,871.1**	**583.2**	**5.91%**

CONCLUSIONS AND RECOMMENDATIONS

Based on results from the statistical analysis review, Liberty Utilities (Granite State Electric) has met the +/- 10% precision requirement at the 80% confidence interval set forth by ISO-NE. Liberty Utilities M&V Practices coincide with ISO-NE M-MVDR requirements.

Liberty Utilities participates in the filing of 3-year NHSaves New Hampshire Energy Efficiency Programs Plans (NH EEP) for approval with the New Hampshire Public Utilities Commission (NHPUC). The NH EEP provides details of the NHSaves energy efficiency programs with are delivered jointly by the utilities throughout New Hampshire, as well as several utility-specific programs. The annual NH EEP also includes a discussion of the role of monitoring and evaluation in program development and for ISO-NE FCM purposes. The responsibility for monitoring and evaluation activities in NH is a collaborative effort between the NHPUC, utility companies, and other stakeholders.

ADM would like to provide the following recommendations:

- A review of consistency between the statewide BCA Tool and the NH TRM for gross savings adjustments to account for the ISO-NE peak demand periods, and adjusted measure lives (AML).
- A review of the NH TRM for eligible demand reduction calculations. There are instances where an equation for demand reduction is not explicitly provided.
- Continue activity with state-wide and regional impact evaluation studies as well as updating measure level savings algorithms (NH TRM) to account for current market conditions. Two energy efficiency federal baseline changes will occur within the next year:
    - EISA 2023 will allow for the enforcement of 45 lumen/watt minimum efficacy of general service lighting.
    - Federal mechanical system minimum efficiency requirements will be updated.

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 05/31/2023

SCHEDULE 1. IDENTIFICATION

SURVEY CONTACTS: Persons to contact with question about this form

RESPONSE DUE DATE: Please submit by April 30th following the close of calendar year

Contact Pamela Moriarty
Title: Senior Accountant
Phone: (603) 216-3661 FAX: Email: pamela.moriarty@libertyutilities.com

REPORT FOR: Liberty Utilities (Granite State Electric) Corp 26510
REPORTING PERIOD: 2021

Supervisor Erin OBrien
Title: Director of Accounting
Phone: (603) 247-8636 FAX: Email: erin.obrien@libertyutilities.com

Logged By / Date:
Logged In: ☐ Receipt Date (mm/dd/yyyy):

1	Legal Name of Industry Participant	Liberty Utilities (Granite State Electric) Corp	**Submission Status/Date:** Submitted	04/29/2022
2	Current Address of Principal Business Office	15 Buttrick Road Londonderry NH 03053		
3	Preparer's Legal Name Operator (if different than line 1)			
4	Current Address of Preparer's Office (if different than line 2)			
5	Respondent Type (Check One)	☐ Federal ☐ Political Subdivision ☐ Municipal Marketing Authority ☐ Cooperative ☐ Independent Power Producer or Qualifying Facility ☐ State ☐ Municipal ☒ Investor-Owned ☐ Retail Power Marketer (or Energy Service Provider) ☐ Community Choice Aggregator ☐ Transmission ☐ Behind the Meter ☐ Wholesale Power Marketer ☐ DSM Administrator		

For questions or additional information about the Form EIA-861 contact the Survey Manager: Fax: (202) 287 - 1938 Email: EIA-861@eia.gov
Stephen Scott Phone: (202) 586-5140 Email: stephen.scott@eia.gov

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 05/31/2023

REPORT FOR: Liberty Utilities (Granite State Electric) Corp 26510

REPORT PERIOD ENDING: 2021

SCHEDULE 2. PART A. GENERAL INFORMATION

LINE NO.

1 Regional North American Electric Reliability Council (Not applicable for power marketers)

- [ ] TRE (formerly ERCOT)
- [x] NPCC
- [ ] SPP
- [ ] FRCC
- [ ] RFC (formerly ECAR, MAIN. MAAC)
- [ ] WECC
- [ ] MRO
- [ ] SERC

2 Name of RTO or ISO

- [ ] California ISO
- [ ] Southwest Power Pool
- [ ] Electric Reliability Council of Texas
- [ ] Midwest ISO
- [ ] PJM Interconnection
- [X] ISO New England
- [ ] New York ISO
- [ ] None

3 (For EIA Use Only) Identify the North American Electric Reliability Council where you are physically located: NPCC

4 Did Your Company Operate Generating Plants(s)?

- [ ] Yes
- [x] No

5 Identify The Activities Your Company Was Engaged In During The Year (Check appropriate activities)

- [ ] Generation from company owned plant
- [ ] Buying distribution on other electrical system
- [ ] Transmission
- [ ] Wholesale power marketing
- [ ] Buying transmission services on other electrical system
- [ ] Retail power marketing
- [x] Distribution using owned/leased electric wires
- [x] Bundled Services (electricity plus other services such as gas, water, etc. in addition to electric service))

6 Highest Hourly Electrical Peak System Demand

Summer (Megawatts)	201.1	Prior Year	191.2
Winter (Megawatts)	141.2	Prior Year	143.4

7 Did Your Company Operate Alternative-Fueled Vehicles During the Year?

- [x] Yes
- [ ] No

Does Your Company Plan to Operate Such Vehicles During the Coming Year?

- [x] Yes
- [ ] No

If "Yes", Please Provide Additional Contact Information

Name: Richard Foley
Title: Director, Procurement (East)
Telephone: 603 - 216 - 3536 Fax: 603 - 421 - 1769 Email: richard.foley@libertyutilities.com

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SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY		MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation			11	Sales to Ultimate Consumers	452,440
2	Purchases from Electricity Suppliers		483,571	12	Sales For Resale	967
3	Exchanged Received (In)			13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)			14	Energy Consumed By Respondent Without Charge	415
5	Exchanged Net					
6	Wheeled Received (In)					
7	Wheeled Delivered (Out)			15	Total Energy Losses (positive number)	29,749
8	Wheeled Net					
9	Transmission by Others Losses (Negative Number)					
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)		483,571	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	483,571

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SCHEDULE 2. PART C. ELECTRIC OPERATING REVENUE

LINE NO.	TYPE OF OPERATING REVENUE		(THOUSAND DOLLARS to the nearest 0.1)
1	Electrical Operating Revenue From Sales to Ultimate Customers (Schedule 4: Parts A, B, and D)	$	78,159.4
2	Revenue From Unbundled (Delivery) Customers (Schedule 4: Part C)	$	27,556.0
3	Electric Operating Revenue from Sales for Resale	$	155.5
4	Electric Credits/Other Adjustments	$	-708.2
5	Revenue from Transmission	$	
6	Other Electric Operating Revenue	$	2,736.4
7	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, 5 and 6)	$	107,899.1

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SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory **NH**

1	Total Number of Distribution Circuits	51.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	.0

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SCHEDULE 3. PART B.
DISTRIBUTION SYSTEM RELIABILITY DATA

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. [x] Yes [ ] No

2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. [x] Yes [ ] No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

	State	NH
3a. SAIDI value including Major Event days		165.280
3b. SAIDI value excluding Major Event days		108.730
4 SAIDI value including Major Event days minus loss of supply		154.130
5a. SAIFI value including Major Event days		1.040
5b. SAIFI value excluding Major Event days		0.855
6. SAIFI value including Major Event days minus loss of supply		0.906
7. Total number of customers used in these calculations		45,468.0
8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)		23.0
9. Do you receive information about a customer outage in advance of a customer reporting it?	[x] Yes [ ] No	

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

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Part C: SAIDI and SAIFI calculated by other methods

	State			
10a. SAIDI value including Major Events				
10b. SAIDI value excluding Major Events				
11a. SAIFI value including Major Events				
11b. SAIFI value excluding Major Events				
12. Total number of customers used in these calculations				
13. Do you include inactive accounts?	☐ Yes	☐ No		
14. How do you define momentary interruptions	☐ Less than 1 min.	☐ Less than 5 min.	☐ Other	
15. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system?	kv			
16. Is information about customer outages recorded automatically?	☐ Yes	☐ No		

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SCHEDULE 4. PART A. SALES TO ULTIMATE CUSTOMERS. FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State NH **Balancing Authority**	13434				
Revenue (thousand dollars)	52,831.3	23,585.2	1,742.9		78,159.4
Megawatthours	288,353	153,175	10,912		452,440
Number of Customers	34,954	5,477	132		40,563
Are your rates decoupled?	[x] Yes [ ] No	[x] Yes [ ] No	[x] Yes [ ] No	[x] Yes [ ] No	
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?	[N] automatic	[N] automatic	[N] automatic	[N] automatic	
	[N] proceeding	[N] proceeding	[N] proceeding	[N] proceeding	
Cents/Kwh	18.322	15.398	15.972		17.275
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Are your rates decoupled?					
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?					
Cents/Kwh					

Total				
Revenue (thousand dollars)	52,831.3	23,585.2	1,742.9	78,159.4
Megawatthours	288,353	153,175	10,912	452,440
Number of Customers	34,954	5,477	132	40,563

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SCHEDULE 4. PART B. SALES TO ULTIMATE CUSTOMERS. ENERGY -- ONLY SERVICE (WITHOUT DELIVERY SERVICE)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State **Balancing Authority**					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
Total					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					

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SCHEDULE 4. PART C. SALES TO ULTIMATE CUSTOMERS. DELIVERY -- ONLY SERVICE (AND OTHER RELATED CHARGES)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State NH **Balancing Authority** 13434					
Revenue (thousand dollars)	2,492.4	19,328.3	5,735.3		27,556.0
Megawatthours	21,133	322,039	105,479		448,651
Number of Customers	3,007	1,949	57		5,013
Cents/Kwh	11.794	6.002	5.437		6.142
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
Total					
Revenue (thousand dollars)	2,492.4	19,328.3	5,735.3		27,556.0
Megawatthours	21,133	322,039	105,479		448,651
Number of Customers	3,007	1,949	57		5,013

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SCHEDULE 4. PART D. BUNDLED SERVICE BY RETAIL ENERGY PROVIDERS AND POWER MARKETERS

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State **Balancing Authority**					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
Total					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					

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SCHEDULE 5. MERGERS and/or ACQUISITIONS

Mergers and/or acquisitions during the reporting month

If Yes, Provide:

Date of Merger or Acquisition

Company merged with or acquired

Name of new parent company

Address

City

State, Zip

New Contact Name

Telephone No.

Email address

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

If you have a non utility DSM administrator that reports your DSM activity for you please select them from the list

State/Territory **NH** **Balancing Authority** **13434**

		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANS (d)	Total (e)
	Reporting Year Incremental Annual Savings					
1	Energy Savings (MWh)	1,128.467	6,201.573	3,800.964	0.000	11,131.004
2	Peak Demand Savings (MW)	0.319	0.177	0.108	0.000	0.604
	Increment Life Cycle Savings					
3	Energy Savings (MWh)	15126.490	46,122.595	28,268.148	0.000	89,517.233
4	Peake Demand Savings (MW)	1.998	6.191	3.795	0.000	11.984
	Reporting Year Incremental Costs					
5	Customer Incentives	2,108.000	2,300.000	374.000	0.000	4,782.000
6	All other costs	630.000	759.000	124.000	0.000	1,513.000
	Incremental Life Sycle Costs					
7	Customer Incentives	2,108.000	2,300.000	374.000	0.000	4,782.000
8	All other costs	630.000	759.000	124.000	0.000	1,513.000
	Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate					
9	Weighted Average Life	5.730	11.300	13.370	0.000	30.000

Please provide website address to your energy efficiency program reports:

https://www.puc.nh.gov

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS

DMS Administration only. List all utilities that you provide service for.

State	Utility Name

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	Balancing Authority		(a) Residential	(b) Commercial	(c) Industrial	(d) Transportation	(e) Total
1	Number of Customers Enrolled						
2	Energy Savings (Mwh)						
3	Potential Peak Demand Savings (MW)						
4	Actual Peak Demand Savings (MW)						

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5	Customer Incentives	
6	All other costs	
7	If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?	

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SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS
Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory **NH** **Balancing Authority** **13434**

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)	Total (e)
1	Number of Customers enrolled in dynamic pricing programs, by customer class	515		149		664

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)
2	Time-of-Use Pricing	[x] Yes [ ] No	[ ] Yes [x] No	[x] Yes [ ] No	[ ] Yes [x] No
3	Real-Time Pricing	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No
4	Variable Peak Pricing	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No
5	Critical Peak Pricing	[x] Yes [ ] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No
6	Critical Peak Rebate	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No

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SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
AMR- data transmitted one-way, to the utility.
AMI- data transmitted in both directions, to the utility and customer

State NH Balancing Authority 13434

		Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
1	Number of AMR Meters	38,681	6,492			45,173
2	Number of AMI Meters	94	10			104
3	Number of AMI Meters with home area network (HAN) gateway enabled					
4	Number of non AMR/AMI Meters	319	891			1,210
5	Total Number of Meters (All Types), line 1+2+4	39,094	7,393	0		46,487
6	Energy Served Through AMI	846	109,734			110,580
7	Number of Customers able to access daily energy usage through a webportal or other electronic means					
8	Number of customers with direct load control					

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SCHEDULE 7. PART A. NET METERING

Net Metering programs allow customers to sell excess power they generated back to the electrical grid to offset consumption. Provide the information about programs by State balancing authority, customer class, and technology for all net metering applications.

State	NH Balancing Authority 13434	Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
Photovoltaic	Net Metering Installed Capacity (MW)	5.402	6.093			11.495
	Net Metering Installations	700	86			786
	Storage Installed Capacity (MW)					0.000
	Storage Installations					0
	Virtual NM Installed Capacity (1 MW and greater)					0.000
	Virtual NM Customers (1 MW and greater)					0
	Virtual NM Installed Capacity (less than 1MW)	0.060	0.310			0.370
	Virtual NM Customers (less than 1MW)	6	7			13
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					0.000
Wind	Installed Net Metering Capacity (MW)		0.006			0.006
	Number of Net Metering Customers		1			1
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					0.000
Other	Installed Net Metering Capacity (MW)					0.000
	Number of Net Metering Customers					0
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					0.000
Total	Installed Net Metering Capacity (MW)	5.462	6.409	0.000	0.000	11.871
	Number of Net Metering Customers	706	94	0	0	800
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)	0.000	0.000	0.000	0.000	0.000

Grand Total All States	**Net Metering Installed Capacity (MW)**	5.462	6.409	0	0	11.871
	Net Metering Installations/customers	706	94	0	0	800
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)	0	0	0	0	0

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SCHEDULE 7. PART B. NON NET-METERED DISTRIBUTED GENERATORS

If your company owns and/or operates a distribution system, please report information on known distributed generation (grid connected/synchronized) capacity on the system. Such capacity must be utility or customer-owned

NUMBER AND CAPACITY

State	**Balancing Authority**	< 1MW

1. Number of generators	3. Capacity that consists of backup-only units
2. Total combined capacity (MW)	4. Capacity owned by respondent

Capacity by Technology and Sector (MW)

	Residential	**Commercial**	**Industrial**	**Transportation**	**Direct Connected**	**Total**
5. Internal combustion						
6. Combustion turbine(s)						
7. Steam turbine(s)						
8. Fuel Cell(s)						
9. Hydroelectric						
10, Photovoltaic						
11. Storage						
12. Wind turbine(s)						
13. Other						
14. Total						

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SCHEDULE 8. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)	LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)
1	NH - Cheshire				
2	NH - Grafton				
3	NH - Hillsborough				
4	NH - Rockingham				
5	NH - Sullivan				

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SCHEDULE 9. COMMENTS

SCHEDULE	PART	LINE NO.	COLUMN	NOTES
(a)	(b)	(c)	(d)	(e)

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EIA861 ERROR LOG

Part		State	BA ID	Error No.	Error Description/Override Comment	Type	Override
6	A	NH	13434	626	Please review Residential Reporting Year Costs (Line 5 + Line 6). Values should be reported in thousand dollars. The calculated costs/kWh should be below the industry average of 80 cents/kWh. The Residential Reporting Year Costs as reported is correct. The calculated cost per kWh is above the expected industry average of 80 cents/kWh because the Company's programs were modified to also include measures that have MMBtu savings from heating oil, kerosene, and propane measures including boilers, furnaces and water hearers where each has minimal kWh savings.	W	
6	A	NH	13434	634	Residential Incremental Life Cycle costs (Line 7 + Line 8) should be reported in thousand dollars. The calculated costs/kWh should be below the industry average of 4 cents/kWh. Please provide corrected data or an explanation. The residential data as reported is correct. The calculated incremental life cycle cost per kWh is above the expected industry average of 4 cents/kWh because the Company's programs were modified to also include measures that have MMBtu savings from heating oil, kerosene, and propane measures including boilers, furnaces and water hearers where each has minimal kWh savings.	W	
6	A	NH	13434	670	You may have reported a cumulative sum of peak demand savings (Schedule 6A -line 4) and not an average of all years for the residential sector. Please provide updated data. The peak demand savings data as reported is correct. Discussions have previously been held between Liberty Utilities Energy Efficiency personnel and EIA regarding the calculation of the savings. Based on those discussions, the Company's methodology was accepted. Company representatives are available if additional discussions are needed.	W	
6	A	NH	13434	671	You may have reported a cumulative sum of peak demand savings (Schedule 6A -line 4) and not an average for the commercial sector. Please provide updated data. The peak demand savings data as reported is correct. Discussions have previously been held between Liberty Utilities Energy Efficiency personnel and EIA regarding the calculation of the savings. Based on those discussions, the Company's methodology was accepted. Company representatives are available if additional discussions are needed.	W	
6	A	NH	13434	672	You may have reported a cumulative sum of peak demand savings (Schedule 6A -line 4) and not an average for the industrial sector. Please provide updated data. The peak demand savings data as reported is correct. Discussions have previously been held between Liberty Utilities Energy Efficiency personnel and EIA regarding the calculation of the savings. Based on those discussions, the Company's methodology was accepted. Company representatives are available if additional discussions are needed.	W	
6	D	NH	13434	6046	Industrial Meter counts (Line 5) cannot be less than Industrial Customers (4A+4C). Advanced Meters (AMR/AMI) or non-AMR/AMI - "Standard Meters" (Line 4) maybe be missing. Please provide revised data. For the purpose of meter counts, Industrial meters are included within the number of Commercial meters and are not reported separately.	W	

ISO-NE PUBLIC

DG Funded Under EE Conservation Dollars

												UPDATE	
1	Utility Name	Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty											
2	Utility Contact	Tina Poirier											
	Year		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 to date
3	CHP or Other DG Funded with EE Budget	yes/no	no	no	no	no	no	no	no	no	no	no	no
4	CHP or Other DG Performance included in EE Program Performance	yes/no	no	no	no	no	no	no	no	no	no	no	no
	If answer to 3 and 4 are no, do not continue												
5	Budget Dollars Spent for CHP or Other DG	$											
6	Net Annual Energy Savings Claimed	kWh											
7	Net Lifetime Energy Savings Claimed	kWh											
8	Net Summer Peak Capacity Savings Claimed	kW											
9	Net Winter Peak Capacity Saving Claimed	kW											
10	Net Annual Therm Savings Claimed	Therms											
11	Net Lifetime Therm Savings Claimed	Therms											
12	Total Number of Projects	#											
13	Number of Projects with Fuel Type - Nat Gas	#											
14	Number of Projects with Fuel Type - Oil/Diesel	#											
15	Number of Projects with Fuel Type - Biofuel	#											
16	Number of Projects with Fuel Type - Solar	#											
17	Number of Projects with Fuel Type - Wind	#											
18	Number of Projects with Fuel Type - Other	#											

ISO-NE PUBLIC

Heating Electrification Funded Under EE Conservation Dollars

			2021				2022			
1	Utility Name		Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty							
2	Utility Contact		Tina Poirier							
	Year									
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no	yes	yes	yes					
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no	yes	yes	yes					
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$	92102.9	0						
6	Net Annual Energy Savings Claimed	kWh	131692.8941	0	831.62					
7	Net Lifetime Energy Savings Claimed	kWh	2370472.094	0	9979.44					
8	Net Summer Peak Capacity Savings Claimed	kW	15.25832021	0	0.267421271					
9	Net Winter Peak Capacity Savings Claimed	kW	45.01238052	0	0					
10	Total Number of ASHP Projects	#	208	0	1					
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$	32250	0	0					
16	Net Annual Energy Savings Claimed	kWh	31818.71	0	0					
17	Net Lifetime Energy Savings Claimed	kWh	413643.23	0	0					
18	Net Summer Peak Capacity Savings Claimed	kW	2.887226575	0	0					
19	Net Winter Peak Capacity Savings Claimed	kW	5.222174943	0	0					
20	Total Number of HPWH Projects	#	43	0	0					

ISO-NE PUBLIC

Heating Electrification Funded Under EE Conservation Dollars

			2023				2024			
1	Utility Name	Liberty Utilities								
2	Utility Contact	Tina Poirier								
	Year		2023				2024			
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no								
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no								
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$								
6	Net Annual Energy Savings Claimed	kWh								
7	Net Lifetime Energy Savings Claimed	kWh								
8	Net Summer Peak Capacity Savings Claimed	kW								
9	Net Winter Peak Capacity Savings Claimed	kW								
10	Total Number of ASHP Projects	#								
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$								
16	Net Annual Energy Savings Claimed	kWh								
17	Net Lifetime Energy Savings Claimed	kWh								
18	Net Summer Peak Capacity Savings Claimed	kW								
19	Net Winter Peak Capacity Savings Claimed	kW								
20	Total Number of HPWH Projects	#								

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Heating Electrification Funded Under EE Conservation Dollars

1	Utility Name		Liberty Utilities							
2	Utility Contact		Tina Poirier							
	Year		2025				2026			
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no								
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no								
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$								
6	Net Annual Energy Savings Claimed	kWh								
7	Net Lifetime Energy Savings Claimed	kWh								
8	Net Summer Peak Capacity Savings Claimed	kW								
9	Net Winter Peak Capacity Savings Claimed	kW								
10	Total Number of ASHP Projects	#								
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$								
16	Net Annual Energy Savings Claimed	kWh								
17	Net Lifetime Energy Savings Claimed	kWh								
18	Net Summer Peak Capacity Savings Claimed	kW								
19	Net Winter Peak Capacity Savings Claimed	kW								
20	Total Number of HPWH Projects	#								

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Heating Electrification Funded Under EE Conservation Dollars

1	Utility Name		Liberty Utilities							
2	Utility Contact		Tina Poirier							
	Year		2027				2028			
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no								
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no								
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$								
6	Net Annual Energy Savings Claimed	kWh								
7	Net Lifetime Energy Savings Claimed	kWh								
8	Net Summer Peak Capacity Savings Claimed	kW								
9	Net Winter Peak Capacity Savings Claimed	kW								
10	Total Number of ASHP Projects	#								
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$								
16	Net Annual Energy Savings Claimed	kWh								
17	Net Lifetime Energy Savings Claimed	kWh								
18	Net Summer Peak Capacity Savings Claimed	kW								
19	Net Winter Peak Capacity Savings Claimed	kW								
20	Total Number of HPWH Projects	#								

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Heating Electrification Funded Under EE Conservation Dollars

			2029				2030			
1	Utility Name	Liberty Utilities								
2	Utility Contact	Tina Poirier								
	Year		2029				2030			
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no								
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no								
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$								
6	Net Annual Energy Savings Claimed	kWh								
7	Net Lifetime Energy Savings Claimed	kWh								
8	Net Summer Peak Capacity Savings Claimed	kW								
9	Net Winter Peak Capacity Savings Claimed	kW								
10	Total Number of ASHP Projects	#								
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$								
16	Net Annual Energy Savings Claimed	kWh								
17	Net Lifetime Energy Savings Claimed	kWh								
18	Net Summer Peak Capacity Savings Claimed	kW								
19	Net Winter Peak Capacity Savings Claimed	kW								
20	Total Number of HPWH Projects	#								

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Heating Electrification Funded Under EE Conservation Dollars

1	Utility Name		Liberty Utilities							
2	Utility Contact		Tina Poirier							
	Year		2031				2032			
	Sector		Residential	Low Income	C&I	Total	Residential	Low Income	C&I	Total
3	ASHP or Other Heating Electrification Funded with EE Budget	yes/no								
4	ASHP or Other Heating Electrification Included in EE Program Performance	yes/no								
	If answer to 3 and 4 are no, do not continue									
5	Budget Dollars Spent for ASHPs	$								
6	Net Annual Energy Savings Claimed	kWh								
7	Net Lifetime Energy Savings Claimed	kWh								
8	Net Summer Peak Capacity Savings Claimed	kW								
9	Net Winter Peak Capacity Savings Claimed	kW								
10	Total Number of ASHP Projects	#								
11	Number of Projects Replacing Electric Resistance Legacy Heat	#								
12	Number of Projects Replacing Less Efficient ASHPs	#								
13	Number of Fuel Switching Projects with Full Legacy Heat Source Displacement	#								
14	Number of Fuel Switching Projects with Partial Legacy Heat Source Displacement	#								
15	Budget Dollars Spent for Heat Pump Water Heating	$								
16	Net Annual Energy Savings Claimed	kWh								
17	Net Lifetime Energy Savings Claimed	kWh								
18	Net Summer Peak Capacity Savings Claimed	kW								
19	Net Winter Peak Capacity Savings Claimed	kW								
20	Total Number of HPWH Projects	#								

ID	Energy Efficiency Data Reporting Form	Input Format	Program 1	Program 2	Program 3	Program 4	Program 5	Program 6	Program 7	Program 8	Program 9	Program 10	Program 11	Program 12
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2008	1/1/2008	1/1/2008	1/1/2008	1/1/2008	1/1/2008	1/1/2008	1/1/2008	1/1/2009	1/1/2009	1/1/2009	1/1/2009
1.2	Reporting Period End Date	DD/MM/YYYY	12/1/2008	12/1/2008	12/1/2008	12/1/2008	12/1/2008	12/1/2008	12/1/2008	12/1/2008	12/1/2009	12/1/2009	12/1/2009	12/1/2009
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	Energy Star Homes	Home Energy Solutions	Energy Star Lighting	Energy Star Appliances	Home Energy Assistance	New Construction	arge Business Energy Solution	mall Business Energy Solution	Energy Star Homes	Home Energy Solutions	Energy Star Lighting	Energy Star Appliances
1.5	Program Type	Program Type	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Large C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Lighting/Appliances
1.6	Program Sector	Sector Name	Residential	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Residential
1.7.1	Program Measures/End Uses 1	Measures/End Uses	Lighting	HVAC	Lighting	Hot Water	Refrigeration	Lighting	Lighting	Lighting	Lighting	Lighting	Lighting	Hot Water
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	83%	50%	100%	97%	50%	46%	90%	95%	91%	96%	100%	92%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses	HVAC	Lighting		HVAC	Lighting	Motors/Drives/VFD	Motors/Drives/VFD	Motors/Drives/VFD	HVAC	HVAC		Consumer Products
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	6%	41%		3%	25%	25%	6%	4%	7%	1%		5%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses	Refrigeration	Hot Water			Hot Water	Compressed Air	HVAC	Refrigeration	Refrigeration	Hot Water		HVAC
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%	6%	9%			13%	19%	2%	1%	2%	3%		4%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses	Hot Water				HVAC	Process	Compressed Air		Hot Water			
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%	5%				12%	7%	2%		0%			
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses						HVAC						
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%						3%						
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	31883	111959	419159	105564	79551	1528610	1305523	784430	42099	81153	540466	74299
2.2	Net Lifetime kWh Program Goal	kWh	290757	1324409	3289707	1468274	1213394	23049600	17929408	9606055	438600	907654	3442104	1035370
2.3	Net Summer Peak kW Program Goal	kW	2	10	26	27	10	313	178	209	10	8	33	20
2.4	Net Winter Peak kW Program Goal	kW	7	35	96	16	23	222	130	107	10	23	124	12
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	172182	92746	954527	95868	59093	1059093	2790926	895694	208384	214435	591123	83286
3.2	Net Lifetime kWh Achieved	kWh	2616361	976740	6430762	1336608	877150	16216013	35717647	10469012	4315239	1879599	3600263	1128283
3.3	Net Summer Peak kW Achieved	kW	25	8	58	19	7	154	494	187	27	19	36	17
3.4	Net Winter Peak kW Achieved	kW	41	26	219	15	20	125	354	95	32	57	139	13
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	22459	15403	12800	12006	8150	60842	69152	-8895	16684	20253	10388	10791
5.2	Marketing costs	$	0	0	6052	444	0	266	0	0	6609	4753	26623	11513
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	291382	41680	40433	49503	113556	180786	237408	225518	141955	100428	25282	47123
5.4	Performance Incentive	$	46577	8484	9181	9188	18056	38054	47223	32462	18490	16021	6929	7722
5.5	Research and Evaluation	$	339	147	2645	25	90	14794	11974	2346	984	18604	0	0
5.6	Other	$	0	0	0	0	0	0	0	0	0	0	0	0
5.7	Total Costs	$	360756	65714	71111	71166	139852	294744	365756	251432	184721	160060	69223	77149
5.8	Program Year to Date Budget	$	294933	49045	55930	68003	185924	434887	379930	347639	289837	97782	86944	94511
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	0	0	0	0	0	15	13	34	0	0	0	0
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	172,182	92,746	954,527	95,868	59,093	1,059,093	2,790,926	895,694	208,384	214,435	591,123	83,286
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	2,616,361	976,740	6,430,762	1,336,608	877,150	16,216,013	35,717,647	10,469,012	4,315,239	1,879,599	3,600,263	1,128,283
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	25	8	58	19	7	154	494	187	27	19	36	17
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	41	26	219	15	20	125	354	95	32	57	139	13
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**		**(These data are for REED only and not part of EE Forecast)**											
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	31883	111959	419159	105564	79551	1528610	1305523	784430	42099	81153	540466	74299
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	290757	1324409	3289707	1468274	1213394	23049600	17929408	9606055	438600	907654	3442104	1035370
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	2	10	26	27	10	313	178	209	10	8	33	20
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	7	35	96	16	23	222	130	107	10	23	124	12
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	172182	92746	954527	95868	59093	1059093	2790926	895694	208384	214435	591123	83286
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	2616361	976740	6430762	1336608	877150	16216013	35717647	10469012	4315239	1879599	3600263	1128283
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	25	8	58	19	7	154	494	187	27	19	36	17
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	41	26	219	15	20	125	354	95	32	57	139	13
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 13	Program 14	Program 15	Program 16	Program 17	Program 18	Program 19	Program 20	Program 21	Program 22	Program 23	Program 24
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2009	1/1/2009	1/1/2009	1/1/2009	1/1/2010	1/1/2010	1/1/2010	1/1/2010	1/1/2010	1/1/2010	1/1/2010	1/1/2010
1.2	Reporting Period End Date	DD/MM/YYYY	12/1/2009	12/1/2009	12/1/2009	12/1/2009	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	Home Energy Assistance	New Construction	arge Business Energy Solution	mall Business Energy Solution	Energy Star Homes	Home Performance w/Energy	Energy Star Lighting	Energy Star Appliances	Home Energy Assistance	Construction / Major Renova	Large C&I Retrofit	Small C&I Retrofit
1.5	Program Type	Program Type	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Large C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Large C&I	Retrofit Small C&I
1.6	Program Sector	Sector Name	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial
1.7.1	Program Measures/End Uses 1	Measures/End Uses	Refrigeration	HVAC	Lighting	Lighting	Lighting	Lighting	Lighting	Hot Water	Refrigeration	Lighting	Lighting	Lighting
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	54%	59%	86%	96%	74%	61%	100%	86%	54%	63%	94%	95%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses	Lighting	Lighting	Process	Refrigeration	HVAC	HVAC		Consumer Products	Lighting	HVAC	Motors/Drives/VFD	Motors/Drives/VFD
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	19%	16%	6%	3%	22%	39%		11%	19%	19%	6%	4%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses	Hot Water	Motors/Drives/VFD	HVAC	Motors/Drives/VFD	Refrigeration			HVAC	HVAC	Compressed Air	Refrigeration	Refrigeration
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%	17%	15%	6%	2%	3%			3%	14%	14%	0%	1%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses	HVAC	Compressed Air	Compressed Air		Hot Water				Hot Water	Motors/Drives/VFD		
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%	10%	11%	2%		0%				13%	4%		
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses			Motors/Drives/VFD							Process		
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%			0%							1%		
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	90181	1232274	1280523	729719	57440	94062	418560	94607	64869	296202	3871175	499373
2.2	Net Lifetime kWh Program Goal	kWh	1373943	19342474	16442574	8796866	816237	1196738	2773390	1268963	1010312	4587025	50325274	5992478
2.3	Net Summer Peak kW Program Goal	kW	9	338	268	168	421	6	26	19	7	68	660	116
2.4	Net Winter Peak kW Program Goal	kW	17	186	200	98	489	20	96	22	11	51	493	63
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	108998	1049038	2337923	815642	126108	93893	708113	107180	90265	1100533	3374863	246503
3.2	Net Lifetime kWh Achieved	kWh	1648053	16452819	28963049	9141517	2481727	1632207	3788088	1393477	1334389	16039696	42832265	2983237
3.3	Net Summer Peak kW Achieved	kW	11	202	344	194	40	6	43	19	9	226	619	53
3.4	Net Winter Peak kW Achieved	kW	18	168	281	112	28	22	163	19	15	178	421	33
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	13403	92848	68552	22375	32044	7754	18181	21957	10515	82779	104863	14790
5.2	Marketing costs	$	0	122	2669	3934	117	35	8077	2651	0	2778	2441	7742
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	218357	257525	307096	304568	156605	41327	12044	33448	203583	191628	319626	132672
5.4	Performance Incentive	$	25799	39941	42922	37063	14365	4449	3227	4379	16135	21478	32343	12234
5.5	Research and Evaluation	$	182	8596	7573	2342	1936	9952	4533	78	107	7954	2442	7211
5.6	Other	$	0	0	0	0	0	0	0	0	0	0	0	0
5.7	Total Costs	$	257741	399032	428811	370281	205068	63517	46062	62513	230340	306618	461714	174649
5.8	Program Year to Date Budget	$	284605	431261	372451	351746	198966	61726	57874	63704	217322	163416	491910	241136
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	0	16	17	57	0	0	0	0	20	40	8	0
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	108,998	1,049,038	2,337,923	815,642	126,108	93,893	708,113	107,180	90,265	1,100,533	3,374,863	246,503
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	1,648,053	16,452,819	28,963,049	9,141,517	2,481,727	1,632,207	3,788,088	1,393,477	1,334,389	16,039,696	42,832,265	2,983,237
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	11	202	344	194	40	6	43	19	9	226	619	53
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	18	168	281	112	28	22	163	19	15	178	421	33
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	90181	1232274	1280523	729719	57440	94062	418560	94607	64869	296202	3871175	499373
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	1373943	19342474	16442574	8796866	816237	1196738	2773390	1268963	1010312	4587025	50325274	5992478
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	9	338	268	168	421	6	26	19	7	68	660	116
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	17	186	200	98	489	20	96	22	11	51	493	63
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	108998	1049038	2337923	815642	126108	93893	708113	107180	90265	1100533	3374863	246503
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	1648053	16452819	28963049	9141517	2481727	1632207	3788088	1393477	1334389	16039696	42832265	2983237
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	11	202	344	194	40	6	43	19	9	226	619	53
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	18	168	281	112	28	22	163	19	15	178	421	33
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 25	Program 26	Program 27	Program 28	Program 29	Program 30	Program 31	Program 32	Program 33	Program 34	Program 35	Program 36
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2011	1/1/2011	1/1/2011	1/1/2011	1/1/2011	1/1/2011	1/1/2011	1/1/2011	1/1/2012	1/1/2012	1/1/2012	1/1/2012
1.2	Reporting Period End Date	DD/MM/YYYY	12/1/2011	12/1/2011	12/1/2011	12/1/2011	12/1/2011	12/1/2011	12/1/2011	12/1/2011	12/1/2012	12/1/2012	12/1/2012	12/1/2012
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	Energy Star Homes	ome Performance w/Energ	Energy Star Appliances	Energy Star Lighting	Home Energy Assistance	New Construction	Large C&I Retrofit	Small C&I Retrofit	Energy Star Homes	ome Performance w/Energ	Energy Star Appliances	Home Energy Assistance
1.5	Program Type	Program Type	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Large C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income
1.6	Program Sector	Sector Name	Residential	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income
1.7.1	Program Measures/End Uses 1	Measures/End Uses	HVAC	Lighting	Hot Water	Lighting	Refrigeration	HVAC	Lighting	Lighting	HVAC	HVAC	Appliances	HVAC
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	54%	63%	52%	100%	53%	42%	85%	99%	38%	69%	44%	62%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses	Lighting	HVAC	Refrigeration		Lighting	Lighting	Motors/Drives/VFD	Refrigeration	Lighting	Lighting	Hot Water	Lighting
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	37%	37%	44%		21%	41%	6%	1%	49%	31%	29%	25%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses	Hot Water		HVAC		HVAC	Process	Compressed Air		Hot Water		Refrigeration	Refrigeration
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%	6%		3%		14%	9%	6%		11%		25%	8%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses	Refrigeration		Consumer Products		Hot Water	Refrigeration	Process		Refrigeration		HVAC	Hot Water
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%	2%		1%		12%	4%	2%		2%		1%	5%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses						Motors/Drives/VFD					Consumer Products	
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%						3%					1%	
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses						Compressed Air						
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%						1%						
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	154053	181730	118996	572619	81983	501213	3063658	552900	28499	332446	123829	88312
2.2	Net Lifetime kWh Program Goal	kWh	1501391	2652330	1206631	2905116	1230839	7703362	39827552	6081900	339930	4444022	1260092	1324252
2.3	Net Summer Peak kW Program Goal	kW	21	9	17	35	8	121	532	127	7	15	18	9
2.4	Net Winter Peak kW Program Goal	kW	35	19	16	133	11	86	388	71	8	30	17	16
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	68451	49526	113917	792732	79932	1009291	2530279	717634	39000	323000	197328	151072
3.2	Net Lifetime kWh Achieved	kWh	1188869	1619563	1197198	1173031	1173031	14964724	32561162	8061255	623860	5367850	2162404	2081151
3.3	Net Summer Peak kW Achieved	kW	3	7	20	48	8	202	395	165	5	30	32	7
3.4	Net Winter Peak kW Achieved	kW	9	23	16	182	14	168	296	93	7	88	30	25
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	6803	9647	13466	25783	22455	30116	40796	10205	18664	26990	13926	21207
5.2	Marketing costs	$	24	81	0	2928	24	2153	1185	1120	218	1486	2741	451
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	67934	83173	43529	30491	220755	232058	348686	210301	56653	112803	36780	249115
5.4	Performance Incentive	$	2839	2054	4725	32882	3316	15807	39627	11239	3571	6678	2526	12800
5.5	Research and Evaluation	$	4269	1830	759	19640	66	3536	3581	20890	194	1342	86	243
5.6	Other	$	0	0	0	0	0	0	0	0	0	0	0	0
5.7	Total Costs	$	81869	96785	62479	111724	246616	283669	433875	253753	79300	149300	56059	283815
5.8	Program Year to Date Budget	$	141913	102510	86368	77038	206299	201358	391829	221906	104606	141235	80477	222043
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	0	0	0	0	0	22	25	71	10	647	944	69
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	68,451	49,526	113,917	792,732	79,932	1,009,291	2,530,279	717,634	39,000	323,000	197,328	151,072
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	1,188,869	1,619,563	1,197,198	1,173,031	1,173,031	14,964,724	32,561,162	8,061,255	623,860	5,367,850	2,162,404	2,081,151
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	3	7	20	48	8	202	395	165	5	30	32	7
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	9	23	16	182	14	168	296	93	7	88	30	25
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	154053	181730	118996	572619	81983	501213	3063658	552900	28499	332446	123829	88312
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	1501391	2652330	1206631	2905116	1230839	7703362	39827552	6081900	339930	4444022	1260092	1324252
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	21	9	17	35	8	121	532	127	7	15	18	9
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	35	19	16	133	11	86	388	71	8	30	17	16
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	68451	49526	113917	792732	79932	1009291	2530279	717634	39000	323000	197328	151072
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	1188869	1619563	1197198	1173031	1173031	14964724	32561162	8061255	623860	5367850	2162404	2081151
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	3	7	20	48	8	202	395	165	5	30	32	7
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	9	23	16	182	14	168	296	93	7	88	30	25
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 37	Program 38	Program 39	Program 40	Program 41	Program 42	Program 43	Program 44	Program 45	Program 46	Program 47	Program 48
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2012	1/1/2012	1/1/2012	1/1/2012	1/1/2013	1/1/2013	1/1/2013	1/1/2013	1/1/2013	1/1/2013	1/1/2013	1/1/2014
1.2	Reporting Period End Date	DD/MM/YYYY	12/1/2012	12/1/2012	12/1/2012	12/1/2012	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2014
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	Energy Star Lighting	New Construction	Large C&I Retrofit	Small C&I Retrofit	Energy Star Homes	ome Performance w/Energ	Energy Star Appliances	Home Energy Assistance	Energy Star Lighting	Large C&I	Small C&I	Energy Star Homes
1.5	Program Type	Program Type	Lighting/Appliances	Lost Opp Large C&I	Retrofit Large C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lighting/Appliances	Lost Opp Large C&I	Retrofit Small C&I	Lost Opp - Residential
1.6	Program Sector	Sector Name	Residential	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income	Residential	Commercial and Industrial	Commercial and Industrial	Residential
1.7.1	Program Measures/End Uses 1	Measures/End Uses	Lighting	Lighting	Lighting	Lighting	HVAC	Lighting	Appliances	HVAC	Lighting	Custom	Lighting	Refrigeration
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	100%	47%	55%	74%	53%	85%	63%	49%	100%	67%	60%	47%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												1%
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												1%
1.7.2	Program Measures/End Uses 2	Measures/End Uses		Motors/Drives/VFD	Custom	Custom	Lighting	HVAC	Refrigeration	Hot Water		Lighting	Custom	Hot Water
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%		28%	33%	24%	33%	15%	23%	30%		27%	30%	14%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												3%
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												1%
1.7.3	Program Measures/End Uses 3	Measures/End Uses		Custom	Motors/Drives/VFD	Other	Hot Water		Hot Water	Lighting		HVAC	Other	Lighting
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%		17%	11%	2%	6%		11%	12%		5%	10%	12%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												60%
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												11%
1.7.4	Program Measures/End Uses 4	Measures/End Uses		HVAC			Refrigeration		HVAC	Refrigeration		Motors/Drives/VFD		HVAC
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%		6%			8%		4%	10%		1%		27%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												36%
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												86%
1.7.5	Program Measures/End Uses 5	Measures/End Uses		Compressed Air										
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%		2%										
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	494524	592392	3041271	712990	27000	17000	114000	52000	444000	1819000	1013000	48722
2.2	Net Lifetime kWh Program Goal	kWh	2396196	9104728	39536529	7614457	510000	183000	1227000	753000	2670000	23689000	13947000	1038066
2.3	Net Summer Peak kW Program Goal	kW	39	143	528	164	6	1	17	6	46	326	163	14
2.4	Net Winter Peak kW Program Goal	kW	147	102	385	92	9	6	8	6	174	238	165	15
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	255000	1066796	3030121	580643	78000	62000	167000	115000	294000	4204000	670000	230
3.2	Net Lifetime kWh Achieved	kWh	1437000	16452819	39225180	7083530	1346000	1089000	1855000	1489000	2326000	56234000	8945000	3570
3.3	Net Summer Peak kW Achieved	kW	20	269	432	144	43	0	32	2	31	435	200	0
3.4	Net Winter Peak kW Achieved	kW	72	198	388	95	11	17	22	8	115	319	146	0
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	27536	35006	48248	23156	7947	20042	11093	12609	8766	52551	42590	1962
5.2	Marketing costs	$	25574	749	920	466	1361	9207	5032	3713	26161	15480	13615	2099
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	28835	342654	279971	88483	79321	43013	111599	249784	46632	291682	162902	6831
5.4	Performance Incentive	$	3874	25820	22458	7649	5939	14350	20287	26925	8836	61239	46755	7526
5.5	Research and Evaluation	$	9988	8094	954	9867	2333	4155	6035	12129	2964	17569	13752	1552
5.6	Other	$	0	0	0	0	6781	8748	6084	15467	4912	57197	35201	3646
5.7	Total Costs	$	95807	412323	352552	129622	103682	99514	160131	320627	98271	495718	314814	23616
5.8	Program Year to Date Budget	$	80893	295961	390184	185556	68591	165718	234292	310949	102039	665211	507874	96321
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	5794	25	31	75	60	25	1214	78	19245	22	25	1
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	255,000	1,066,796	3,030,121	580,643	78,000	62,000	167,000	115,000	294,000	4,204,000	670,000	230
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	1,437,000	16,452,819	39,225,180	7,083,530	1,346,000	1,089,000	1,855,000	1,489,000	2,326,000	56,234,000	8,945,000	3,570
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	20	269	432	144	43	-	32	2	31	435	200	0
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	72	198	388	95	11	17	22	8	115	319	146	0
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	494524	592392	3041271	712990	27000	17000	114000	52000	444000	1819000	1013000	48722
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	2396196	9104728	39536529	7614457	510000	183000	1227000	753000	2670000	23689000	13947000	1038066
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	39	143	528	164	6	1	17	6	46	326	163	14
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	147	102	385	92	9	6	8	6	174	238	165	15
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	255000	1066796	3030121	580643	78000	62000	167000	115000	294000	4204000	670000	230
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	1437000	16452819	39225180	7083530	1346000	1089000	1855000	1489000	2326000	56234000	8945000	3,570
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	20	269	432	144	43	0	32	2	31	435	200	0
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	72	198	388	95	11	17	22	8	115	319	146	0
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 49	Program 50	Program 51	Program 52	Program 53	Program 54	Program 55	Program 56	Program 57	Program 58	Program 59	Program 60
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2014	1/1/2014	1/1/2014	1/1/2014	1/1/2014	1/1/2014	1/1/2014	1/1/2015	1/1/2015	1/1/2015	1/1/2015	1/1/2015
1.2	Reporting Period End Date	DD/MM/YYYY	12/31/2014	12/31/2014	12/31/2014	12/31/2014	12/31/2014	12/31/2014	12/31/2014	12/31/2015	12/31/2015	12/31/2015	12/31/2015	12/31/2015
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	NH Home Performance w/Energy Star	Energy Star Appliances	Home Energy Assistance	Energy Star Lighting	ge Business Energy Solutio	all Business Energy Solutio	Municipal	Energy Star Homes	ome Performance w/Energ	Energy Star PRODUCTS	Home Energy Assistance	ge Business Energy Solutio
1.5	Program Type	Program Type	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lighting/Appliances	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I
1.6	Program Sector	Sector Name	Residential	Residential	Low Income	Residential	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income	Commercial and Industrial
1.7.1	Program Measures/End Uses 1	Measures/End Uses	HVAC	Refrigeration	HVAC	Lighting	Custom	Lighting	Lighting	HVAC	HVAC	Lighting	HVAC	Lighting
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	92%	47%	56%	100%	50%	72%	93%	43%	100%	93%	55%	51%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%	99%	30%	82%	100%	45%	79%	98%	11%	99%	98%	87%	34%
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%	99%	12%	94%	100%	67%	73%	96%	100%	100%	74%	36%	49%
1.7.2	Program Measures/End Uses 2	Measures/End Uses	Lighting	Appliances	Refrigeration		Lighting	Other	Other	Refrigeration	Lighting	Refrigeration	Lighting	Custom
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	8%	29%	27%		37%	11%	4%	33%	0%	3%	28%	25%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%	1%	25%	2%		34%	10%	2%	19%	1%	0%	8%	21%
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%	1%	10%	3%		27%	2%	1%	0%	0%	7%	59%	38%
1.7.3	Program Measures/End Uses 3	Measures/End Uses		HVAC	Lighting		HVAC	HVAC	Custom	Lighting		Appliances	Refrigeration	Motors/Drives/VFD
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%		13%	15%		10%	8%	3%	15%		2%	16%	13%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%		35%	17%		18%	4%	1%	61%		0%	2%	5%
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%		73%	4%		4%	1%	3%	0%		5%	6%	5%
1.7.4	Program Measures/End Uses 4	Measures/End Uses		Hot Water	Hot Water		Motors/Drives/VFD	Motors/Drives/VFD		Hot Water		HVAC	Hot Water	HVAC
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%		8%	2%		4%	4%		10%		1%	1%	11%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%		7%	0%		2%	1%		9%		1%	3%	40%
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%		4%	0%		2%	3%		0%		10%	0%	7%
1.7.5	Program Measures/End Uses 5	Measures/End Uses		Consumer Products				Custom				Hot Water		Compressed Air
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%		3%				4%				1.14%		0.13%
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%		4%				3%				0.16%		0.44%
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%		1%				17%				4.10%		0.37%
1.7.6	Program Measures/End Uses 6	Measures/End Uses						Compressed Air				Consumer Products		
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%						1%				0.14%		
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%						3%				0.04%		
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%						3%				0.21%		
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.00%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.00%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.00%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	18874	267130	46487	419266	1607365	869269	357323	42971	24689	1694350	53434	2119438
2.2	Net Lifetime kWh Program Goal	kWh	231888	2832541	718833	2615390	21519008	11462209	4826269	952871	434413	22261649	660141	28400475
2.3	Net Summer Peak kW Program Goal	kW	180	33	5	43	297	100	48	11	7	190	5	376
2.4	Net Winter Peak kW Program Goal	kW	538	40	7	130	206	256	92	13	13	486	7	311
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	62590	251095	58086	364391	2912240	1349090	349550	15851	208056	2473523	134001	4209731
3.2	Net Lifetime kWh Achieved	kWh	1226340	2527042	945256	5659061	39668340	17271480	4641940	258829	4578660	28891600	2254286	60218587
3.3	Net Summer Peak kW Achieved	kW	1	33	4	38	465	254	136	2	2	272	11	512
3.4	Net Winter Peak kW Achieved	kW	17	47	14	113	334	164	79	2	55	736	126	253
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	1233	2991	3085	1076	10058	5717	363	441	3518	3153	3949	7310
5.2	Marketing costs	$	5298	13090	1790	18946	27076	43368	2566	2471	3932	18610	242	5755
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	176209	150585	255849	102836	517352	288940	151409	117922	159172	329328	320157	574727
5.4	Performance Incentive	$	13641	17405	25457	8467	69357	36695	16734	10632	21928	33888	38117	92842
5.5	Research and Evaluation	$	7313	10334	7928	4344	94339	35694	14070	3478	6776	10357	11893	36516
5.6	Other	$	23631	16939	10692	7569	84203	17425	523	25640	39808	52195	42633	134635
5.7	Total Costs	$	227326	211343	304803	143239	802385	427839	185666	160585	235134	447531	416991	851784
5.8	Program Year to Date Budget	$	174578	222739	325798	108360	693568	366954	167337	129850	267816	413897	465549	986517
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	61	1263	27	16849	85	166	24	67	172	22142	176	100
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	62,590	251,095	58,086	364,391	2,912,240	1,349,090	349,550	15,851	208,056	2,473,523	134,001	4,209,731
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	1,226,340	2,527,042	945,256	5,659,061	39,668,340	17,271,480	4,641,940	258,829	4,578,660	28,891,600	2,254,286	60,218,587
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	1	33	4	38	465	254	136	2	2	272	11	512
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	17	47	14	113	334	164	79	2	55	736	126	253
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	18874	267130	46487	419266	1607365	869269	357323	42971	24689	1694350	53434	2119438
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	231888	2832541	718833	2615390	21519008	11462209	4826269	952871	434413	22261649	660141	28400475
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	180	33	5	43	297	100	48	11	7	190	5	376
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	538	40	7	130	206	256	92	13	13	486	7	311
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	62,590	251,095	58,086	364,391	2,912,240	1,349,090	349,550	15,851	208,056	2,473,523	134,001	4,209,731
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	1,226,340	2,527,042	945,256	5,659,061	39,668,340	17,271,480	4,641,940	258,829	4,578,660	28,891,600	2,254,286	60,218,587
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	1	33	4	38	465	254	136	2	2	272	11	512
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	17	47	14	113	334	164	79	2	55	736	126	253
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 61	Program 62	Program 63	Program 64	Program 65	Program 66	Program 67	Program 68	Program 69	Program 70	Program 71	Program 72
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2015	1/1/2015	1/1/2016	1/1/2016	1/1/2016	1/1/2016	1/1/2016	1/1/2016	1/1/2016	1/1/2017	1/1/2017	1/1/2017
1.2	Reporting Period End Date	DD/MM/YYYY	12/31/2015	12/31/2015	12/31/2016	12/31/2016	12/31/2016	12/31/2016	12/31/2016	12/31/2016	12/31/2016	12/31/2017	12/31/2017	12/31/2017
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	ıall Business Energy Solutic	Municipal	Energy Star Homes	ome Performance w/Energ	Energy Star PRODUCTS	Home Energy Assistance	ge Business Energy Solutic	ıall Business Energy Solutic	Municipal	Energy Star Homes	ome Performance w/Energ	Energy Star PRODUCTS
1.5	Program Type	Program Type	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances
1.6	Program Sector	Sector Name	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential
1.7.1	Program Measures/End Uses 1	Measures/End Uses	Lighting	Lighting	HVAC	HVAC	Lighting	HVAC	Custom	Lighting	Lighting	Hot Water	Hot Water	Hot Water
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	63%	87%	97%	100%	91%	60%	72%	85%	82%	0%	0%	4%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%	66%	70%	91%	100%	96%	66%	53%	67%	84%	0%	0%	1%
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%	80%	96%	100%	100%	60%	43%	64%	90%	88%	0%	0%	8%
1.7.2	Program Measures/End Uses 2	Measures/End Uses	HVAC	Compressed Air	Lighting		Refrigeration	Lighting	Lighting	Custom	Custom	HVAC	HVAC	HVAC
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	22%	6%	2%		3%	22%	28%	12%	18%	98%	22%	5%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%	6%	8%	9%		1%	26%	29%	27%	16%	94%	22%	2%
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%	3%	2%	0%		10%	3%	33%	4%	12%	97%	8%	24%
1.7.3	Program Measures/End Uses 3	Measures/End Uses	Custom	HVAC	Refrigeration		Appliances	Refrigeration	HVAC	Compressed Air		Lighting	Lighting	Lighting
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%	7%	6%	1%		3%	17%	0%	3%		1%	78%	78%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%	12%	21%	0%		1%	8%	18%	3%		5%	78%	91%
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%	14%	2%	0%		7%	54%	1%	3%		2%	91%	52%
1.7.4	Program Measures/End Uses 4	Measures/End Uses	Other		Hot Water		Hot Water	Hot Water	Compressed Air	HVAC		Refrigeration		Appliances
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%	6%		0%		3%	0%	0%	1%		0%		6%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%	11%		0%		1%	1%	1%	3%		1%		6%
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%	1%		0%		10%	0%	2%	3%		1%		12%
1.7.5	Program Measures/End Uses 5	Measures/End Uses	Compressed Air				HVAC							Refrigeration
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%	2%				1%							7%
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%	6%				2%							1%
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%	2%				14%							4%
1.7.6	Program Measures/End Uses 6	Measures/End Uses					Consumer Products							
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%					0%							
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%					0%							
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%					0%							
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	1097858	387462	34755	30442	1010711	60076	1374367	860961	344321	49,090	110,909	959,637
2.2	Net Lifetime kWh Program Goal	kWh	14673310	5128993	784460	571330	13337296	989551	18480627	11568083	4549199	1,015,973	1,919,084	7,897,008
2.3	Net Summer Peak kW Program Goal	kW	224	61	9	6	148	4	247	174	56	1	10	148
2.4	Net Winter Peak kW Program Goal	kW	168	61	11	14	291	6	203	133	56	11	26	275
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	2015429	208878	196439	361215	896767	114076	4591504	711323	436335	99,035	87,035	990,532
3.2	Net Lifetime kWh Achieved	kWh	26343610	2885433	4845136	8300557	14208909	2162373	64479689	9643526	6388505	2,448,838	1,601,760	8,388,492
3.3	Net Summer Peak kW Achieved	kW	258	43	64	9	138	5	805	143	84	0	0	195
3.4	Net Winter Peak kW Achieved	kW	196	26	65	118	247	29	666	112	63	27	25	306
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	4752	404	4388	5631	2972	3529	5735	3845	1243	1,121	3,565	4,094
5.2	Marketing costs	$	13661	996	2405	3252	11405	0	4902	5931	1239	4,031	8,948	13,718
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	581467	131560	52044	114156	171603	261644	546112	208364	129680	27,652	119,569	179,582
5.4	Performance Incentive	$	50773	15882	10797	17667	20612	31131	58645	38120	14821	6,572	10,157	13,144
5.5	Research and Evaluation	$	14828	4683	11419	10782	6242	9251	18299	14447	7088	7,958	6,468	9,335
5.6	Other	$	66546	19648	15731	22157	36425	40534	96653	63147	23792	12,597	11,971	45,632
5.7	Total Costs	$	732028	173173	96783	173646	249259	346089	730346	333853	177863	59,931	160,679	265,504
5.8	Program Year to Date Budget	$	539501	168757	114653	187613	218882	330589	648101	421266	163788	120,031	185,503	240,062
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	770	36	21	103	9087	59	22	21	5	37	61	10704
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	2,015,429	208,878	196,439	361,215	896,767	114,076	4,591,504	711,323	436,335	99,035	87,035	990,532
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	26,343,610	2,885,433	4,845,136	8,300,557	14,208,909	2,162,373	64,479,689	9,643,526	6,388,505	2,448,838	1,601,760	8,388,492
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	258	43	64	9	138	5	805	143	84	0	0	195
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	196	26	65	118	247	29	666	112	63	27	25	306
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	1097858	387462	34755	30442	1010711	60076	1374367	860961	344321	49,090	110,909	959,637
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	14673310	5128993	784460	571330	13337296	989551	18480627	11568083	4549199	1,015,973	1,919,084	7,897,008
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	224	61	9	6	148	4	247	174	56	1	10	148
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	168	61	11	14	291	6	203	133	56	11	26	275
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	2,015,429	208,878	196,439	361,215	896,767	114,076	4,591,504	711,323	436,335	99,035	87,035	990,532
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	26,343,610	2,885,433	4,845,136	8,300,557	14,208,909	2,162,373	64,479,689	9,643,526	6,388,505	2,448,838	1,601,760	8,388,492
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	258	43	64	9	138	5	805	143	84	0	0	195
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	196	26	65	118	247	29	666	112	63	27	25	306
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh			0	0	0	0	0	0	0	0	0	0
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh			0	0	0	0	0	0	0	0	0	0
8.3.3	Adjusted Gross Summer Peak kW Committed	kW			0	0	0	0	0	0	0	0	0	0
8.3.4	Adjusted Gross Winter Peak kW Committed	kW			0	0	0	0	0	0	0	0	0	0

ID	Energy Efficiency Data Reporting Form	Input Format	Program 73	Program 74	Program 75	Program 76	Program 77	Program 78	Program 79	Program 80	Program 81	Program 82	Program 83	Program 84
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2017	1/1/2017	1/1/2017	1/1/2017	1/1/2018	1/1/2018	1/1/2018	1/1/2018	1/1/2018	1/1/2018	1/1/2018	1/1/2019
1.2	Reporting Period End Date	DD/MM/YYYY	12/31/2017	12/31/2017	12/31/2017	12/31/2017	12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2018	12/31/2019
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	Home Energy Assistance	ge Business Energy Solutio	all Business Energy Solutio	Municipal	Energy Star Homes	ome Performance w/Energ	Energy Star PRODUCTS	Home Energy Assistance	ge Business Energy Solutio	all Business Energy Solutio	Municipal	Energy Star Homes
1.5	Program Type	Program Type	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential
1.6	Program Sector	Sector Name	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential
1.7.1	Program Measures/End Uses 1	Measures/End Uses	Hot Water	Custom	Custom	HVAC	Lighting	HVAC	Refrigeration	Refrigeration	Custom	Custom	Lighting	Lighting
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	0%	43%	21%	5%	20%	100%	5%	20%	45%	7%	100%	22%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%	0%	17%	19%	3%	59%	100%	1%	9%	20%	2%	100%	94%
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%	0%	42%	25%	12%	4%	100%	7%	20%	57%	12%	100%	13%
1.7.2	Program Measures/End Uses 2	Measures/End Uses	HVAC	HVAC	HVAC	Lighting	Hot Water		Lighting	Lighting	HVAC	Lighting		Hot Water
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	49%	3%	1%	95%	7%		77%	36%	3%	91%		7%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%	0%	11%	2%	97%	2%		94%	41%	12%	94%		3%
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%	96%	4%	1%	88%	1%		35%	36%	3%	86%		1%
1.7.3	Program Measures/End Uses 3	Measures/End Uses	Lighting	Lighting	Lighting		HVAC		HVAC	HVAC	Lighting	HVAC		HVAC
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%	22%	40%	75%		72%		1%	45%	47%	2%		70%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%	0%	62%	75%		39%		1%	50%	64%	4%		2%
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%	3%	47%	70%		94%		25%	45%	38%	3%		85%
1.7.4	Program Measures/End Uses 4	Measures/End Uses	Refrigeration	Motors/Drives/VFD	Motors/Drives/VFD		Refrigeration		Hot Water		Compressed Air			Refrigeration
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%	28%	0%	3%		1%		5%		5%			1%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%	100%	0%	2%		1%		1%		4%			1%
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%	1%	0%	0%		1%		11%		2%			1%
1.7.5	Program Measures/End Uses 5	Measures/End Uses		Process	Process				Process					
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%		13%	1%				12%					
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%		9%	2%				3%					
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%		7%	3%				22%					
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	Evaluated	
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	42,396	2,378,149	1,259,303	329,094	68,431	43,888	687,811	73,782	3,363,035	2,058,734	303,815	329,428
2.2	Net Lifetime kWh Program Goal	kWh	530,488	34,390,514	16,697,063	4,363,964	1,504,887	728,513	4,546,882	1,082,238	46,385,506	27,944,848	4,379,678	7,935,055
2.3	Net Summer Peak kW Program Goal	kW	5	250	107	50	15	8	83	12	367	247	39	77
2.4	Net Winter Peak kW Program Goal	kW	5	169	60	30	6	5	182	8	306	185	30	33
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	65,579	3,298,930	1,492,157	265,410	62,864	57,194	782,495	82,911	2,945,170	2,126,374	486,351	130,469
3.2	Net Lifetime kWh Achieved	kWh	968,684	46,009,020	19,968,729	3,676,701	1,235,450	1,144,503	5,128,394	1,021,609	44,147,541	28,900,075	6,825,940	2,908,931
3.3	Net Summer Peak kW Achieved	kW	48	526	254	47	12	14	105	12	253	220	39	3
3.4	Net Winter Peak kW Achieved	kW	23	356	144	27	6	6	207	9	260	282	86	6
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	5,464	8,383	5,262	1,666	7769	3568	3639	12803	10031	8274	1454	8730
5.2	Marketing costs	$	10,163	17,463	11,390	4,471	3378	4871	11299	11646	12684	10044	2331	3608
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	266,151	553,372	306,994	116,407	109937	169539	187570	262918	595088	447204	139469	137659
5.4	Performance Incentive	$	21,472	29,849	1,571	12,066	8820	11433	12413	29188	44339	33812	8150	9904
5.5	Research and Evaluation	$	13,421	24,726	24,272	9,611	5430	7039	26375	17970	30722	24962	6079	8662
5.6	Other	$	57,788	118,409	75,402	29,350	15455	13317	14024	14310	91241	61547	18651	9306
5.7	Total Costs	$	374,459	752,202	424,891	173,571	150787	209766	255320	348834	784105	585844	176135	177868
5.8	Program Year to Date Budget	$	392,168	703,050	445,265	179,990	162235	210304	228331	536898	912651	695978	167755	185138
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	42	44	512	41	29	46	9098	124	40	70	21	40
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	65,579	3,298,930	1,492,157	265,410	62,864	57,194	782,495	82,911	2,945,170	2,126,374	486,351	130,469
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	968,684	46,009,020	19,968,729	3,676,701	1,235,450	1,144,503	5,128,394	1,021,609	44,147,541	28,900,075	6,825,940	2,908,931
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	48	526	254	47	12	14	105	12	253	220	39	3
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	23	356	144	27	6	6	207	9	260	282	86	6
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	42,396	2,378,149	1,259,303	329,094	68,431	43,888	687,811	73,782	3,363,035	2,058,734	303,815	**329,428**
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	530,488	34,390,514	16,697,063	4,363,964	1,504,887	728,513	4,546,882	1,082,238	46,385,506	27,944,848	4,379,678	**7,935,055**
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	5	250	107	50	15	8	83	12	367	247	39	**77**
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	5	169	60	30	6	5	182	8	306	185	30	**33**
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	65,579	3,298,930	1,492,157	265,410	62,864	57,194	782,495	82,911	2,945,170	2,126,374	486,351	**130,469**
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	968,684	46,009,020	19,968,729	3,676,701	1,235,450	1,144,503	5,128,394	1,021,609	44,147,541	28,900,075	6,825,940	**2,908,931**
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	48	526	254	47	12	14	105	12	253	220	39	**3**
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	23	356	144	27	6	6	207	9	260	282	86	**6**
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	**0**
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	**0**
8.3.3	Adjusted Gross Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	**0**
8.3.4	Adjusted Gross Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	**0**

ID	Energy Efficiency Data Reporting Form	Input Format	Program 85	Program 86	Program 87	Program 88	Program 89	Program 90	Program 91	Program 92	Program 93	Program 94	Program 95	Program 96
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2019	1/1/2020	1/1/2020	1/1/2020	1/1/2020	1/1/2020	1/1/2020
1.2	Reporting Period End Date	DD/MM/YYYY	12/31/2019	12/31/2019	12/31/2019	12/31/2019	12/31/2019	12/31/2019	12/31/2020	12/31/2020	12/31/2020	12/31/2020	12/31/2020	12/31/2020
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO
1.4	Program Name	Program Name	ome Performance w/Energ	Energy Star PRODUCTS	Home Energy Assistance	ge Business Energy Solutio	all Business Energy Solutio	Municipal	Energy Star Homes	ome Performance w/Energ	Energy Star PRODUCTS	Home Energy Assistance	ge Business Energy Solutio	all Business Energy Solutio
1.5	Program Type	Program Type	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I
1.6	Program Sector	Sector Name	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial
1.7.1	Program Measures/End Uses 1	Measures/End Uses	HVAC	Refrigeration	Refrigeration	Custom	Custom	Custom	Lighting	Lighting	Refrigeration	Refrigeration	Custom	Custom
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	100%	5%	47%	16%	2%	8%	12%	5%	5%	10%	75%	6%
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%	100%	1%	26%	3%	0%	0%	6%	1%	5%	11%	65%	1%
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%	100%	6%	47%	16%	12%	7%	10%	3%	5%	10%	68%	5%
1.7.2	Program Measures/End Uses 2	Measures/End Uses		Lighting	Lighting	HVAC	HVAC	HVAC	Hot Water	Building Envelope	Lighting	Lighting	HVAC	HVAC
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%		77%	10%	5%	1%	1%	6%	94%	65%	42%	1%	7%
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%		91%	15%	17%	3%	2%	1%	99%	52%	10%	1%	14%
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%		40%	1%	6%	4%	4%	0%	96%	37%	19%	1%	10%
1.7.3	Program Measures/End Uses 3	Measures/End Uses		HVAC	HVAC	Lighting	Lighting	Lighting	HVAC	Refrigeration	HVAC	HVAC	Lighting	Lighting
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%		3%	44%	79%	95%	90%	81%	0%	19%	48%	22%	86%
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%		6%	59%	78%	95%	98%	92%	0%	22%	80%	31%	85%
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%		29%	53%	76%	82%	89%	89%	0%	42%	71%	29%	84%
1.7.4	Program Measures/End Uses 4	Measures/End Uses		Hot Water		Compressed Air	Compressed Air		Refrigeration		Hot Water		Process	Process
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%		5%		1%	2%		1%		6%		3%	1%
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%		1%		2%	2%		1%		7%		3%	0%
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%		10%		2%	2%		1%		8%		2%	1%
1.7.5	Program Measures/End Uses 5	Measures/End Uses		Process							Process			Refrigeration
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%		10%							5%			0%
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%		2%							14%			0%
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%		15%							8%			0%
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	87,790	987,875	173,347	4,717,156	1,986,225	274,540	172,776	169,081	844,952	122,542	7,475,707	3,007,126
2.2	Net Lifetime kWh Program Goal	kWh	1,327,806	6,469,068	1,697,671	67,850,378	26,723,868	3,849,842	3,902,794	2,389,084	6,614,198	1,649,304	106,440,508	40,776,426
2.3	Net Summer Peak kW Program Goal	kW	16	118	14	617	248	37	40	27	112	16	626	218
2.4	Net Winter Peak kW Program Goal	kW	10	269	11	522	175	25	18	16	206	11	508	170
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	105,608	1,312,687	198,796	4,337,869	2,342,105	541,529	148,925	136,356	1,366,110	554,837	6,537,393	3,824,065
3.2	Net Lifetime kWh Achieved	kWh	1,876,918	8,776,072	2,722,154	57,940,088	31,415,220	7,551,764	3,291,391	2,933,555	10,035,445	6,303,909	89,034,374	51,459,753
3.3	Net Summer Peak kW Achieved	kW	187	160	49	534	356	68	16	31	176	64	594	363
3.4	Net Winter Peak kW Achieved	kW	73	356	27	488	249	47	43	13	350	45	606	388
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Net Lifetime kWh Committed	kWh	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Net Summer Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
4.4	Net Winter Peak kW Committed	kW	0	0	0	0	0	0	0	0	0	0	0	0
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	26876	6158	50346	13891	12302	2501	3600	5190	3629	12112	19057	14252
5.2	Marketing costs	$	8574	5759	11171	14281	13939	2174	5257	7112	10225	17740	19697	12566
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	241239	278041	533885	786599	740628	139966	125543	496887	489463	730624	1371224	1325891
5.4	Performance Incentive	$	18539	18776	39536	51096	46762	8804	9979	32001	30546	52175	85100	4119
5.5	Research and Evaluation	$	16611	13637	32298	56697	40422	7693	12092	19429	12369	40458	63125	44074
5.6	Other	$	21123	14851	42822	96804	78836	14509	29769	36611	23854	120643	147269	106338
5.7	Total Costs	$	332963	337223	710058	1019369	932888	175647	186241	597230	570085	973751	1705472	1507240
5.8	Program Year to Date Budget	$	355054	301612	690348	1231211	877784	167048	359195	577162	367436	1201849	1898824	1208871
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Number of program applications committed	#	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Number of program applications fulfilled (paid)	#	62	19138	168	33	118	19	39	88	23412	1262	94	221
6.4	Number of program applications rejected	#	0	0	0	0	0	0	0	0	0	0	0	0
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	105,608	1,312,687	198,796	4,337,869	2,342,105	541,529	148,925	136,356	1,366,110	554,837	6,537,393	3,824,065
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	1,876,918	8,776,072	2,722,154	57,940,088	31,415,220	7,551,764	3,291,391	2,933,555	10,035,445	6,303,909	89,034,374	51,459,753
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	187	160	49	534	356	68	16	31	176	64	594	363
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	73	356	27	488	249	47	43	13	350	45	606	388
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	**87,790**	**987,875**	**173,347**	**4,717,156**	**1,986,225**	**274,540**	**172,776**	**169,081**	**844,952**	**122,542**	**7,475,707**	**3,007,126**
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	**1,327,806**	**6,469,068**	**1,697,671**	**67,850,378**	**26,723,868**	**3,849,842**	**3,902,794**	**2,389,084**	**6,614,198**	**1,649,304**	**106,440,508**	**40,776,426**
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	**16**	**118**	**14**	**617**	**248**	**37**	**40**	**27**	**112**	**16**	**626**	**218**
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	**10**	**269**	**11**	**522**	**175**	**25**	**18**	**16**	**206**	**11**	**508**	**170**
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	**105,608**	**1,312,687**	**198,796**	**4,337,869**	**2,342,105**	**541,529**	148,925	136,356	1,366,110	554,837	6,537,393	3,824,065
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	**1,876,918**	**8,776,072**	**2,722,154**	**57,940,088**	**31,415,220**	**7,551,764**	3,291,391	2,933,555	10,035,445	6,303,909	89,034,374	51,459,753
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	**187**	**160**	**49**	**534**	**356**	**68**	16	31	176	64	594	363
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	**73**	**356**	**27**	**488**	**249**	**47**	43	13	350	45	606	388
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh	**0**	**0**	**0**	**0**	**0**	**0**	0	0	0	0	0	0
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh	**0**	**0**	**0**	**0**	**0**	**0**	0	0	0	0	0	0
8.3.3	Adjusted Gross Summer Peak kW Committed	kW	**0**	**0**	**0**	**0**	**0**	**0**	0	0	0	0	0	0
8.3.4	Adjusted Gross Winter Peak kW Committed	kW	**0**	**0**	**0**	**0**	**0**	**0**	0	0	0	0	0	0

ID	Energy Efficiency Data Reporting Form	Input Format	Program 97	Program 98	Program 99	Program 100	Program 101	Program 102	Program 103	Program 104	Program 105	Program 106	Program 107	Program 108
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY	1/1/2020	1/1/2021	1/1/2021	1/1/2021	1/1/2021	1/1/2021	1/1/2021	1/1/2021				
1.2	Reporting Period End Date	DD/MM/YYYY	12/31/2020	12/31/2021	12/31/2021	12/31/2021	12/31/2021	12/31/2021	12/31/2021	12/31/2021				
1.3	Energy Efficiency Program Administrator	XYZ Company	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO	GSECO				
1.4	Program Name	Program Name	Municipal	Energy Star Homes	Home Performance w/Energy	Energy Star PRODUCTS	Home Energy Assistance	arge Business Energy Solution	mall Business Energy Solution	Municipal				
1.5	Program Type	Program Type	Retrofit Small C&I	Lost Opp - Residential	Retrofit - Residential	Lighting/Appliances	Retrofit - Low Income	Lost Opp Large C&I	Retrofit Small C&I	Retrofit Small C&I				
1.6	Program Sector	Sector Name	Commercial and Industrial	Residential	Residential	Residential	Low Income	Commercial and Industrial	Commercial and Industrial	Commercial and Industrial				
1.7.1	Program Measures/End Uses 1	Measures/End Uses	HVAC	Building Envelope	Building Envelope	Building Envelope	Building Envelope	Compressed Air	Compressed Air	Custom				
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%	4%	2%	41%	11%	3%	1%	1%	3%				
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%	10%	7%	74%	27%	0%	0%	0%	0%				
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%	17%	0%	80%	9%	41%	1%	1%	3%				
1.7.2	Program Measures/End Uses 2	Measures/End Uses	Lighting	Hot Water	Hot Water	Hot Water	Hot Water	Custom	Custom	Building Envelope				
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%	96%	4%	2%	10%	0%	6%	2%	4%				
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%	90%	17%	1%	7%	0%	0%	0%	41%				
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%	83%	3%	1%	17%	0%	6%	2%	39%				
1.7.3	Program Measures/End Uses 3	Measures/End Uses		HVAC	HVAC	HVAC	HVAC	HVAC	Process	HVAC				
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%		85%	34%	27%	7%	10%	1%	7%				
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%		38%	7%	22%	14%	0%	6%	0%				
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%		55%	17%	42%	18%	14%	0%	11%				
1.7.4	Program Measures/End Uses 4	Measures/End Uses		Lighting	Lighting	Lighting	Lighting	Lighting	HVAC	Lighting				
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%		7%	23%	42%	62%	77%	13%	86%				
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%		27%	18%	36%	59%	100%	8%	59%				
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%		38%	3%	24%	29%	76%	15%	47%				
1.7.5	Program Measures/End Uses 5	Measures/End Uses		Refrigeration	Refrigeration	Refrigeration	Refrigeration	Motors/Drives/VFD	Lighting					
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%		2%	1%	9%	29%	7%	79%					
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%		10%	0%	8%	27%	0%	86%					
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%		4%	0%	8%	11%	3%	79%					
1.7.6	Program Measures/End Uses 6	Measures/End Uses							Motors/Drives/VFD					
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%							1%					
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%							0%					
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%							1%					
1.7.7	Program Measures/End Uses 7	Measures/End Uses							Refrigeration					
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%							2%					
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%							0%					
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%							2%					
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh	353,603	62462	154107	782623	129274	6851856	2817297	333383				
2.2	Net Lifetime kWh Program Goal	kWh	4,938,090	1429585	2210404	5042748	*1552590*	*91576096*	*30942840*	*4652149*				
2.3	Net Summer Peak kW Program Goal	kW	13	1	37	127	36	339	230	1				
2.4	Net Winter Peak kW Program Goal	kW	12	19	25	143	16	375	317	45				
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh	409,717	172908	182852	566373	369040	4247879	3741709	291500				
3.2	Net Lifetime kWh Achieved	kWh	5,336,556	3874109	2823513	5091712	3342647	59574243	49571213	4167723				
3.3	Net Summer Peak kW Achieved	kW	55	6	32	92	54	269	278	14				
3.4	Net Winter Peak kW Achieved	kW	41	36	112	117	71	318	276	41				
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh	0											
4.2	Net Lifetime kWh Committed	kWh	0											
4.3	Net Summer Peak kW Committed	kW	0											
4.4	Net Winter Peak kW Committed	kW	0											
5	**Costs for Reporting Period**													
5.1	Administrative costs	$	1941	4593	5336	5799	11993	32683	11932	2224				
5.2	Marketing costs	$	1382	5169	9155	5288	18643	30741	19965	1889				
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$	145536	113379	548757	446317	982737	1108668	1438530	150257				
5.4	Performance Incentive	$	9362	9643	37587	30018	68591	81462	97752	10136				
5.5	Research and Evaluation	$	5083	8747	11697	7446	24357	39357	25214	2783				
5.6	Other	$	11420	26738	43358	28941	90591	128587	112359	9587				
5.7	Total Costs	$	174723	168269	655889	523808	1196913	1421498	1705752	176876				
5.8	Program Year to Date Budget	$	166713	359195	577162	367436	1201849	1898823	1208872	166713				
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#	0											
6.2	Number of program applications committed	#	0											
6.3	Number of program applications fulfilled (paid)	#	15	76	152	8061	228	83	303	17				
6.4	Number of program applications rejected	#	0											
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	409,717	172,908	182,852	566,373	369,040	4,247,879	3,741,709	291,500	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	5,336,556	3,874,109	2,823,513	5,091,712	3,342,647	59,574,243	49,571,213	4,167,723	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	55	6	32	92	54	269	278	14	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	41	36	112	117	71	318	276	41	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh	**353,603**	**62,462**	**154,107**	**1,468,045**	**129,274**	**7,186,651**	**3,003,782**	**351,743**				
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh	**4,938,090**	**1429584.644**	**2210404.015**	**6523152.655**	**1552590.074**	**95770254.59**	**32960666.19**	**4887351.804**				
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW	**13**	**0.652495958**	**36.79186597**	**221.6773439**	**35.86755923**	**361.0060326**	**247.3934796**	**0.908299479**				
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW	**12**	**18.63151203**	**25.37488664**	**272.5092253**	**16.00839997**	**398.8492949**	**337.9648055**	**47.17364544**				
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh	409,717	**172907.96**	**182851.614**	**1062402.422**	**369039.5688**	**4455438.756**	**3989383.615**	**307553.5331**				
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh	5,336,556	**3874109.08**	**2823512.828**	**6586490.603**	**3342647.374**	**62302726.23**	**52803821.06**	**4378434.356**				
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW	55	**5.793225375**	**32.47004829**	**160.5867188**	**54.15328304**	**285.655008**	**298.9498979**	**14.76207846**				
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW	41	**35.89377834**	**111.7215989**	**223.5838017**	**70.52604256**	**338.153393**	**293.9730396**	**43.73769625**				
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh	0											
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh	0											
8.3.3	Adjusted Gross Summer Peak kW Committed	kW	0											
8.3.4	Adjusted Gross Winter Peak kW Committed	kW	0											

ID	Energy Efficiency Data Reporting Form	Input Format	Program 109	Program 110	Program 111	Program 112	Program 113	Program 114	Program 115	Program 116	Program 117	Program 118	Program 119	Program 120
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 121	Program 122	Program 123	Program 124	Program 125	Program 126	Program 127	Program 128	Program 129	Program 130	Program 131	Program 132
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 133	Program 134	Program 135	Program 136	Program 137	Program 138	Program 139	Program 140	Program 141	Program 142	Program 143	Program 144
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 145	Program 146	Program 147	Program 148	Program 149	Program 150	Program 151	Program 152	Program 153	Program 154	Program 155	Program 156
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 157	Program 158	Program 159	Program 160	Program 161	Program 162	Program 163	Program 164	Program 165	Program 166	Program 167	Program 168
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 169	Program 170	Program 171	Program 172	Program 173	Program 174	Program 175	Program 176	Program 177	Program 178	Program 179	Program 180
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 181	Program 182	Program 183	Program 184	Program 185	Program 186	Program 187	Program 188	Program 189	Program 190	Program 191	Program 192
1	**Reporting Period Information**													
1.1	Reporting Period Start Date	DD/MM/YYYY												
1.2	Reporting Period End Date	DD/MM/YYYY												
1.3	Energy Efficiency Program Administrator	XYZ Company												
1.4	Program Name	Program Name												
1.5	Program Type	Program Type												
1.6	Program Sector	Sector Name												
1.7.1	Program Measures/End Uses 1	Measures/End Uses												
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%												
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%												
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%												
1.7.2	Program Measures/End Uses 2	Measures/End Uses												
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%												
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%												
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%												
1.7.3	Program Measures/End Uses 3	Measures/End Uses												
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%												
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%												
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%												
1.7.4	Program Measures/End Uses 4	Measures/End Uses												
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%												
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%												
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%												
1.7.5	Program Measures/End Uses 5	Measures/End Uses												
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%												
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%												
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%												
1.7.6	Program Measures/End Uses 6	Measures/End Uses												
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%												
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%												
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%												
1.7.7	Program Measures/End Uses 7	Measures/End Uses												
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%												
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%												
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%												
1.7.8	Program Measures/End Uses 8	Measures/End Uses												
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%												
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%												
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%												
1.7.9	Program Measures/End Uses 9	Measures/End Uses												
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%												
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%												
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%												
1.7.10	Program Measures/End Uses 10	Measures/End Uses												
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%												
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%												
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%												
1.7.11	**Program Measure/End Use Summation - Calculated**													
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking												
2	**Savings Goals for Reporting Period**													
2.1	Net Annualized kWh Program Goal	kWh												
2.2	Net Lifetime kWh Program Goal	kWh												
2.3	Net Summer Peak kW Program Goal	kW												
2.4	Net Winter Peak kW Program Goal	kW												
3	**Achieved Savings for Reporting Period**													
3.1	Net Annualized kWh Achieved	kWh												
3.2	Net Lifetime kWh Achieved	kWh												
3.3	Net Summer Peak kW Achieved	kW												
3.4	Net Winter Peak kW Achieved	kW												
4	**Committed Savings Not Yet Achieved for Reporting Period**													
4.1	Net Annualized kWh Committed	kWh												
4.2	Net Lifetime kWh Committed	kWh												
4.3	Net Summer Peak kW Committed	kW												
4.4	Net Winter Peak kW Committed	kW												
5	**Costs for Reporting Period**													
5.1	Administrative costs	$												
5.2	Marketing costs	$												
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$												
5.4	Performance Incentive	$												
5.5	Research and Evaluation	$												
5.6	Other	$												
5.7	Total Costs	$												
5.8	Program Year to Date Budget	$												
6	**Program Participation for Reporting Period**													
6.1	Total number of applications received	#												
6.2	Number of program applications committed	#												
6.3	Number of program applications fulfilled (paid)	#												
6.4	Number of program applications rejected	#												
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**													
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**													
8.1	**Savings Goal for Reporting Period**													
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh												
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh												
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW												
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW												
8.2	**Achieved Savings for Reporting Period**													
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh												
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh												
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW												
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW												
8.3	**Committed Savings Not Yet Achieved for Reporting Period**													
8.3.1	Adjusted Gross Annualized kWh Committed	kWh												
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh												
8.3.3	Adjusted Gross Summer Peak kW Committed	kW												
8.3.4	Adjusted Gross Winter Peak kW Committed	kW												

ID	Energy Efficiency Data Reporting Form	Input Format	Program 193	Program 194	Program 195	Program 196	Program 197	Program 198	Program 199	Program 200
1	**Reporting Period Information**									
1.1	Reporting Period Start Date	DD/MM/YYYY								
1.2	Reporting Period End Date	DD/MM/YYYY								
1.3	Energy Efficiency Program Administrator	XYZ Company								
1.4	Program Name	Program Name								
1.5	Program Type	Program Type								
1.6	Program Sector	Sector Name								
1.7.1	Program Measures/End Uses 1	Measures/End Uses								
1.7.1.1	Program Percentage of Measure/End Use 1 based on kWh	%								
1.7.1.2	Program Percentage of Measure/End Use 1 based on kW	%								
1.7.1.3	Program Percentage of Measure/End Use 1 based on $	%								
1.7.2	Program Measures/End Uses 2	Measures/End Uses								
1.7.2.1	Program Percentage of Measure/End Use 2 based on kWh	%								
1.7.2.2	Program Percentage of Measure/End Use 2 based on kW	%								
1.7.2.3	Program Percentage of Measure/End Use 2 based on $	%								
1.7.3	Program Measures/End Uses 3	Measures/End Uses								
1.7.3.1	Program Percentage of Measure/End Use 3 based on kWh	%								
1.7.3.2	Program Percentage of Measure/End Use 3 based on kW	%								
1.7.3.3	Program Percentage of Measure/End Use 3 based on $	%								
1.7.4	Program Measures/End Uses 4	Measures/End Uses								
1.7.4.1	Program Percentage of Measure/End Use 4 based on kWh	%								
1.7.4.2	Program Percentage of Measure/End Use 4 based on kW	%								
1.7.4.3	Program Percentage of Measure/End Use 4 based on $	%								
1.7.5	Program Measures/End Uses 5	Measures/End Uses								
1.7.5.1	Program Percentage of Measure/End Use 5 based on kWh	%								
1.7.5.2	Program Percentage of Measure/End Use 5 based on kW	%								
1.7.5.3	Program Percentage of Measure/End Use 5 based on $	%								
1.7.6	Program Measures/End Uses 6	Measures/End Uses								
1.7.6.1	Program Percentage of Measure/End Use 6 based on kWh	%								
1.7.6.2	Program Percentage of Measure/End Use 6 based on kW	%								
1.7.6.3	Program Percentage of Measure/End Use 6 based on $	%								
1.7.7	Program Measures/End Uses 7	Measures/End Uses								
1.7.7.1	Program Percentage of Measure/End Use 7 based on kWh	%								
1.7.7.2	Program Percentage of Measure/End Use 7 based on kW	%								
1.7.7.3	Program Percentage of Measure/End Use 7 based on $	%								
1.7.8	Program Measures/End Uses 8	Measures/End Uses								
1.7.8.1	Program Percentage of Measure/End Use 8 based on kWh	%								
1.7.8.2	Program Percentage of Measure/End Use 8 based on kW	%								
1.7.8.3	Program Percentage of Measure/End Use 8 based on $	%								
1.7.9	Program Measures/End Uses 9	Measures/End Uses								
1.7.9.1	Program Percentage of Measure/End Use 9 based on kWh	%								
1.7.9.2	Program Percentage of Measure/End Use 9 based on kW	%								
1.7.9.3	Program Percentage of Measure/End Use 9 based on $	%								
1.7.10	Program Measures/End Uses 10	Measures/End Uses								
1.7.10.1	Program Percentage of Measure/End Use 10 based on kWh	%								
1.7.10.2	Program Percentage of Measure/End Use 10 based on kW	%								
1.7.10.3	Program Percentage of Measure/End Use 10 based on $	%								
1.7.11	**Program Measure/End Use Summation - Calculated**									
1.7.11.1	Program Measure/End Uses Total kWh (calculated for reference onl	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.2	Program Measure/End Uses Total kW (calculated for reference only	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%
1.7.11.3	Program Measure/End Uses Total $ (calculated for reference only)	Calculated %	0%	0%	0%	0%	0%	0%	0%	0%
1.8	Data Type (Evaluated or Tracking)	Evaluated/Tracking								
2	**Savings Goals for Reporting Period**									
2.1	Net Annualized kWh Program Goal	kWh								
2.2	Net Lifetime kWh Program Goal	kWh								
2.3	Net Summer Peak kW Program Goal	kW								
2.4	Net Winter Peak kW Program Goal	kW								
3	**Achieved Savings for Reporting Period**									
3.1	Net Annualized kWh Achieved	kWh								
3.2	Net Lifetime kWh Achieved	kWh								
3.3	Net Summer Peak kW Achieved	kW								
3.4	Net Winter Peak kW Achieved	kW								
4	**Committed Savings Not Yet Achieved for Reporting Period**									
4.1	Net Annualized kWh Committed	kWh								
4.2	Net Lifetime kWh Committed	kWh								
4.3	Net Summer Peak kW Committed	kW								
4.4	Net Winter Peak kW Committed	kW								
5	**Costs for Reporting Period**									
5.1	Administrative costs	$								
5.2	Marketing costs	$								
5.3	Payments to participants or contractors (Incentives, Rebates, Grants	$								
5.4	Performance Incentive	$								
5.5	Research and Evaluation	$								
5.6	Other	$								
5.7	Total Costs	$								
5.8	Program Year to Date Budget	$								
6	**Program Participation for Reporting Period**									
6.1	Total number of applications received	#								
6.2	Number of program applications committed	#								
6.3	Number of program applications fulfilled (paid)	#								
6.4	Number of program applications rejected	#								
7	**Total Savings Program Year to Date (Achieved & Committed) Calculated**									
7.1	Net First-year annual kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-
7.2	Net Lifetime kWh (achieved + committed)	Calculated kWh	-	-	-	-	-	-	-	-
7.3	Net Summer Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-
7.4	Net Winter Peak kW (achieved + committed)	Calculated kW	-	-	-	-	-	-	-	-
8	**Adjusted Gross Data for Regional Energy Efficiency Database (REED)**									
8.1	**Savings Goal for Reporting Period**									
8.1.1	Adjusted Gross Annualized kWh Program Goal	kWh								
8.1.2	Adjusted Gross Lifetime kWh Program Goal	kWh								
8.1.3	Adjusted Gross Summer Peak kW Program Goal	kW								
8.1.4	Adjusted Gross Winter Peak kW Program Goal	kW								
8.2	**Achieved Savings for Reporting Period**									
8.2.1	Adjusted Gross Annualized kWh Achieved	kWh								
8.2.2	Adjusted Gross Lifetime kWh Achieved	kWh								
8.2.3	Adjusted Gross Summer Peak kW Achieved	kW								
8.2.4	Adjusted Gross Winter Peak kW Achieved	kW								
8.3	**Committed Savings Not Yet Achieved for Reporting Period**									
8.3.1	Adjusted Gross Annualized kWh Committed	kWh								
8.3.2	Adjusted Gross Lifetime kWh Committed	kWh								
8.3.3	Adjusted Gross Summer Peak kW Committed	kW								
8.3.4	Adjusted Gross Winter Peak kW Committed	kW								

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Projected Shares of Planned Savings - Residential

1	Utility Name	Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty					
2	Utility Contact	Tina Poirier					
3	Year	2022			2023		
4	Sector	Energy	Summer Peak	Winter Peak	Energy	Summer Peak	Winter Peak
5	Envelope	11.1%	14.7%	4.9%	9.6%	16.5%	5.3%
6	Hot Water	6.5%	6.2%	4.7%	6.2%	7.9%	5.2%
7	HVAC	70.0%	25.5%	62.6%	75.7%	30.2%	75.0%
8	Lighting	5.8%	29.2%	25.0%	2.2%	14.8%	11.3%
9	Motors/Drives	3.0%	17.6%	0.0%	2.8%	21.8%	0.0%
10	Refrigeration	3.6%	6.8%	2.8%	3.6%	8.8%	3.3%
11	End-Use 7						
12	End-Use 8						
13	End-Use 9						
14	End-Use 10						
15	Total	100%	100%	100%	100%	100%	100%

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Projected Shares of Planned Savings - Low Income

1	Utility Name	Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty					
2	Utility Contact	Tina Poirier					
3	Year	2022			2023		
4	Sector	Energy	Summer Peak	Winter Peak	Energy	Summer Peak	Winter Peak
5	Envelope	5.9%	2.0%	4.8%	5.5%	1.9%	4.7%
6	Hot Water	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
7	HVAC	8.6%	6.8%	8.3%	7.9%	6.6%	8.2%
8	Lighting	36.4%	71.8%	76.0%	33.4%	69.4%	74.5%
9	Refrigeration	48.8%	19.3%	10.7%	53.1%	22.1%	12.5%
10	End-Use 6						
11	End-Use 7						
12	End-Use 8						
13	End-Use 9						
14	End-Use 10						
15	Total	100%	100%	100%	100%	100%	100%

ISO new england

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Projected Shares of Planned Savings - C&I

1	**Utility Name**	Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty					
2	**Utility Contact**	Tina Poirier					
3	**Year**	**2022**			**2023**		
4	**Sector**	**Energy**	**Summer Peak**	**Winter Peak**	**Energy**	**Summer Peak**	**Winter Peak**
5	**Compressed Air**	**0.9%**	**3.1%**	**4.1%**	1.0%	2.7%	3.7%
6	**Custom Measures**	**4.8%**	**4.0%**	**5.8%**	5.0%	3.9%	5.8%
7	**Envelope**	**0.0%**	**0.1%**	**0.0%**	0.1%	0.1%	0.0%
8	**Food Service**	**0.4%**	**0.5%**	**0.6%**	0.5%	0.5%	0.7%
9	**HVAC**	**16.0%**	**24.5%**	**4.2%**	17.7%	27.3%	4.8%
10	**Lighting**	**72.5%**	**63.4%**	**78.4%**	69.6%	60.4%	77.1%
11	**Motors/Drives**	**4.4%**	**3.3%**	**5.1%**	5.0%	3.7%	5.8%
12	**Refrigeration**	**0.9%**	**1.1%**	**1.8%**	1.1%	1.3%	2.0%
13	**End-Use 9**						
14	**End-Use 10**						
15	**Total**	100%	100%	100%	100%	100%	100%