

Lookups and Assumptions

GENERAL INPUTS

Fuel	Electric
PA	Unitil Energy Systems Inc
Period	Actual
Year 1	2021
Year 2	2022
Year 3	2023

AVOIDED COST ASSUMPTIONS

Three-Year Inputs

Input	Unit
Real Year	Year
Half Year Factor	%
Wholesale Risk Premium	%
Distribution Losses	%
Pcnt of Capacity Bid into FCM (%Bid)	%
PTF losses	%
Pounds per short ton	Pounds
MMBtu in 1 kWh	MMBtu
kWh in 1 MMBtu	kWh

Annual Inputs

Input	Unit
Nominal Discount Rate	%
Inflation	%
Real Discount Rate	%
PTF Avoided Costs	\$ per kW
PTF Year	Year \$
Avoided Local Transmission Costs	\$ per kW
Avoided Distribution Costs	\$ per kW
T&D Year	Year \$
Res Water & Sewer	\$ per gallon
CI Water	\$ per gallon
Water Year	Year \$

Line Loss Inputs

Input	Unit
Summer Peak	%
Summer Off-Peak	%

Winter Peak	%
Winter Off-Peak	%
Average Loss	%

Benefit Toggles

Input	Unit
Energy DRIPE	Toggle
Electric Cross DRIPE	Toggle
Capacity DRIPE	Toggle
Reliability	Toggle
Gas Supply DRIPE	Toggle
Gas Electric Cross DRIPE	Toggle
Oil DRIPE	Toggle
Fossil emissions	Toggle
Fossil emissions RGGI	Toggle
Environmental Externalities	Toggle
NEI Adder	Toggle

NON-ENERGY IMPACTS

NEI Adder by sector	Unit
A - Residential	%
B - Low-Income	%
C - Commercial & Industrial	%

FOSSIL EMISSIONS

Fossil Emissions Scaling Factor

Percent of fossil emissions	%
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Fossil Emissions Factors

	CO2 (pounds/MMBtu)
Natural Gas	116.60
Oil	161.30
Propane	136.90
Kerosene	159.40

Source / Notes

CO2 pounds:
Nox pounds:
CO2 value:
Nox value:

SALES

kWh Sales (2019)

Eversource Energy
Unitil Energy Systems Inc
Liberty
New Hampshire Electric Cooperative Inc
Statewide Total

REFERENCED LISTS

Other Fuel Savings

Fuel Type in AESC

NG - Res All
NG - Res Hot Water
NG - Res Heating
NG - Res Non Heating
NG - C& I Gas Non Heating
NG - C&I Gas Heat
NG - C&I Gas All
Fuel Oil - Residential Distillate
Fuel Oil - Com Fuel
Fuel Oil - Industrial
Kerosene
Propane
Cord Wood
Pellet Wood
Res Water
C&I Water

End Use

Behavior
Custom Measures
Energy Star Homes
Envelope
Non-Energy Saving
Hot Water
HVAC
Lighting
Process
Refrigeration
Food Service
Compressed Air
Motors/Drives

Sectors

A - Residential
B - Low-Income
C - Commercial & Industrial

ELECTRIC Programs

LOW INCOME

B1 - Home Energy Assistance

RESIDENTIAL

A1 - Energy Star Homes
A2 - Home Performance with Energy Star
A3 - Energy Star Products
A4 - Residential Behavior

A5 - Residential Active Demand Response
A6a - Res Customer Engagement Platform
A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Energy Optimization Pilot
A6e - Res Financing
A7 - TBD Res Pilots/Demonstrations

C&I

C1 - Large Business Energy Solutions
C2 - Small Business Energy Solutions
C3 - Municipal Energy Solutions
C4 - Energy Rewards RFP Program
C5 - C&I Active Demand Response
C6a - C&I Customer Engagement Platform
C6b - C&I ISO Forward Capacity Market Expenses
C6c - C&I Education
C6d - C&I Customer Partnerships
C6e - Smart Start
C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7 - C&I TBD Pilots/Demonstrations

GAS Programs

LOW INCOME

B1 - Home Energy Assistance

RESIDENTIAL

A1 - Energy Star Homes
A2 - Home Performance with Energy Star
A3 - Energy Star Products
A4 - Residential Behavior
A5 - Residential Active Demand Response
A6a - Res Customer Engagement Platform
A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Res Building Practices and Demo
A6e - Res Financing
A7 - Res TBD Pilots/Demonstrations

C&I

C1 - Large Business Energy Solutions
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C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7 - TBD C&I Pilots/Demonstrations

Subprogram

LOW INCOME

B1a - HEA (Weatherization)
B1b - HEA (HVAC Systems)

RESIDENTIAL

A1a - ES Homes
A2a - HPwES (Weatherization)
A2b - HPwES (HVAC Systems)
A2c - HPwES 3rd Party Financing (Loan buy-down)
A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)
A3a - ES Lighting
A3b - ES Appliances
A3c - ES HVAC Systems
A4a - Residential Behavior
A5a - Residential Active Demand Response
A6a - Res Customer Engagement Platform
A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Energy Optimization Pilot
A6e - Res Financing
A7a - TBD Res Pilot/Demonstration 1
A7b - TBD Res Pilot/Demonstration 2

C&I

C1a - LCI Retrofit
C1b - LCI New Equipment and Construction
C1c - LCI Midstream
C1d - LCI Direct Install
C2a - SCI Retrofit
C2b - SCI New Equipment and Construction
C2c - SCI Midstream
C2d - SCI Direct Install
C3a - Muni Retrofit
C3b - Muni New Equipment and Construction
C3d - Muni Direct Install
C4a - Energy Rewards RFP Program
C5a - C&I Active Demand Response
C6a - C&I Customer Engagement Platform
C6b - C&I ISO Forward Capacity Market Expenses
C6c - C&I Education
C6d - C&I Customer Partnerships
C6e - Smart Start
C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7a - TBD C&I Pilot/Demonstration 1
C7b - TBD C&I Pilot/Demonstration 2

Customers

Utility Customers (2020)

Eversource Energy
Unitil Energy Systems Inc
Liberty
New Hampshire Electric Cooperative Inc
Statewide Total
2020 Customers

C
Planned

2021-2023	Source / Notes
2018	Updated on May 5, 2018 to reflect 2018 AESC. Previous value was 2017.
50.0%	Industry standard assumption.
8.0%	2018 AESC, October 2018 Release, Appendix B.
6.9%	2020 AESC December 2020 Appendix B
75%	2018 AESC, October 2018 Release, Appendix B.
1.6%	2018 AESC, October 2018 Release, Appendix B.
2,000	Industry standard assumption.
0.00341	Industry standard assumption.
293.07	Industry standard assumption.

2021	2022	2023	Source / Notes
3.25%	3.25%	3.25%	Updated June 24, 2020. B Efficiency Group Report, c http://www.moneycafe.com
1.81%	1.81%	1.81%	Updated June 24, 2020. B https://fred.stlouisfed.org/c
1.41%	1.41%	1.41%	Calculated: Real Discount
\$94.00	\$94.00	\$94.00	2018 AESC, October 2018
2018			2018 AESC, October 2018
			\$0. At this time the NH Uti in the benefit cost model.
\$79.98	\$79.98	\$79.98	
2017			
\$0.0079	\$0.0079	\$0.0079	Average of Manchester, N
\$0.0079	\$0.0079	\$0.0079	Average of Manchester, N
2016			

Eversource Factors	AESC 2018	Source / Notes
8.00%	15.90%	
8.00%	17.50%	ISO New England default for electrical

8.00%	31.70%
8.00%	34.90%
8.00%	

default for electrical losses is 8 percent.

Used for Electric Cross DF

Included?	Source / Notes
Yes	
Yes	
Yes	
No	
Yes	
Yes	
Yes	
No	
Yes	
Yes	
Yes	

Value	Source / Notes
25%	Takes percent of total energy benefit (excludes water) and adds to total be
\$405.71	Annual dollar value per weatherization project added to total benefits.
10%	Takes percent of total energy benefit (excludes water) and adds to total be

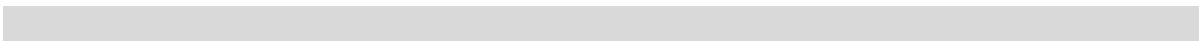
10.00%	
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Nox (pounds/MMBtu)	CO2 Value (\$/ton)	Nox Value (\$/ton)	CO2 Value (\$/MMBTU)
0.09	100.00	11,954.59	\$5.83
0.13	100.00	11,954.59	\$8.07
0.14	100.00	11,954.59	\$6.85
0.13	100.00	11,954.59	\$7.97

7,685,115,046	
1,162,491,979	
899,231,963	
764,966,903	
10,511,805,891	5.000%

1,162,491,979

Used to calculate percent of sales savings (based on 2019 sales)





Residential	Low-Income	C&I
60,389	4,545	11,127
60,389	4,545	11,127

Updated 8/31 with 2018 d:



based on the June 2020 Prime Rate in accordance with the Final Energy
dated July 6, 1999 in DR 96-150. Retrieved from
n/personal-finance/prime-rate/

based on the inflation rate from Q1 2019 to Q1 2020, Retrieved from
data/GDPDEF.txt

$$\text{Rate} = [(1 + \text{Nominal Discount Rate}) / (1 + \text{Inflation Rate})] - 1$$

3 release, page 215-216.

3 release, page 215-216.

ilities do not have additional benefits related to avoided local transmission



and Concord, NH water and sewer costs per gallon from July 2016.

and Concord, NH water and sewer costs per gallon from July 2016.



0.01272
0.014

0.02536
0.02792

RIPE



enefits.

\$705,935.40

enefits.



Nox Value (\$/MMBTU)	Total Value (\$/MMBTU)
\$0.55	\$6.38
\$0.78	\$8.84
\$0.85	\$7.70
\$0.78	\$8.75



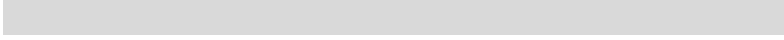
53,358,382

0.00%

0.00%

525,590,295





1 LS_ID	2 Load Shape Description	3 Total Energy				4 Summer			8 Seasonal Peak
		5 Summer		6 Winter		7 Peak Day	On Peak		
		On Peak	Off Peak	On Peak	Off Peak				
ls_0	Non-Electric Measures	0.0%	0.0%	0.0%	0.0%				
ls_1	Clothes Washer	18.3%	15.4%	36.4%	29.9%	0.00013	0.00013	0.00014	
ls_10	24 hour operation	15.2%	18.3%	30.5%	36.1%				
ls_75	Clothes Dryer - Electric	16.9%	14.2%	38.9%	30.0%	0.00013	0.00013	0.00013	
ls_76	Clothes Dryer - Natural Gas	15.9%	16.4%	37.6%	30.1%	0.00013	0.00013	0.00013	
ls_3	Hardwired Electric Heat	0.0%	0.0%	43.1%	56.9%	-	-	-	
ls_4	Lighting	19.0%	15.1%	35.1%	30.7%	0.00014	0.00014	0.00014	
ls_6	Primary TV and Peripherals	15.4%	17.6%	32.2%	34.8%	0.00011	0.00011	0.00011	
ls_91	Primary Desktop Computer	17.5%	17.3%	33.5%	31.7%	0.00014	0.00014	0.00015	
ls_7	Primary Refrigerator	18.2%	20.9%	29.0%	31.9%	0.00016	0.00014	0.00016	
ls_77	Secondary Refrigerator	19.9%	23.6%	26.3%	30.2%	0.00017	0.00016	0.00017	
ls_78	Freezer	17.1%	20.7%	28.7%	33.6%	0.00014	0.00013	0.00013	
ls_79	Dehumidifier	24.9%	29.7%	22.0%	23.3%	0.00021	0.00019	0.00020	
ls_80	Pool Pump	54.5%	38.2%	4.9%	2.4%	0.00052	0.00058	0.00066	
ls_81	Dishwasher	14.8%	16.3%	34.1%	34.8%	0.00008	0.00008	0.00009	
ls_8	Water Heater - Electric	15.2%	11.9%	41.5%	31.4%	0.00007	0.00008	0.00009	
ls_83	Water Heater - Heat Pump	14.9%	13.0%	39.1%	33.0%	0.00009	0.00009	0.00010	
ls_9	Water Heater - Natural Gas/Fuel Oil	13.3%	11.6%	40.9%	34.2%	0.00007	0.00008	0.00008	
ls_11	Central Air Conditioner/Heat Pump (Cooling)	47.3%	42.2%	6.6%	3.8%	0.00129	0.00055	0.00117	
ls_18	Room or Window Air Conditioner	47.5%	47.4%	2.9%	2.2%	0.00125	0.00052	0.00116	
ls_89	Mini-Split Air Conditioner/Heat Pump (Cooling)	43.4%	40.2%	7.4%	9.0%	0.00130	0.00047	0.00111	
ls_90	Mini-Split Heat Pump (Heating)	0.0%	0.0%	42.9%	57.1%	-	-	-	
ls_73	Furnace Fan	0.0%	0.0%	44.6%	55.4%	-	-	-	
ls_82	Boiler Distribution	0.0%	0.0%	45.0%	55.0%	-	-	-	
ls_84	Weighted HVAC - All Homes	23.2%	21.7%	25.4%	29.7%	0.00063	0.00026	0.00057	
ls_85	Weighted HVAC - Multi-family	25.2%	23.7%	23.2%	27.9%	0.00068	0.00028	0.00062	
ls_86	Weighted HVAC - Multi-family Low Income	22.4%	21.6%	25.4%	30.6%	0.00060	0.00025	0.00055	
ls_87	Weighted HVAC - Single Family	22.5%	20.8%	26.1%	30.5%	0.00061	0.00026	0.00056	
ls_88	Weighted HVAC - Single Family Low Income	23.1%	21.7%	25.3%	29.9%	0.00062	0.00026	0.00057	
ls_12	Central Heat Pump	10.1%	9.0%	35.1%	45.7%				
ls_13	DMSHP	8.0%	7.4%	36.4%	48.2%				
ls_14	Electric Resistance with AC	6.0%	5.0%	45.0%	44.0%				
	Custom Calculation								
ls_100	C&I Codes & Standards	34.3%	18.1%	30.3%	17.4%				
ls_101	C&I Compressed Air - VFD Compressor	26.5%	23.7%	25.9%	23.9%				
ls_102	C&I Compressed Air - Air Dryer	22.4%	27.7%	21.7%	28.1%				
ls_103	C&I Electric Chiller (Combined)	39.4%	38.5%	11.3%	10.8%				
ls_104	C&I Electric Cooling Unitary Equipment	52.7%	34.1%	8.6%	4.6%				
ls_105	C&I Exterior Lighting	19.2%	29.0%	20.1%	31.6%				
ls_106	C&I Interior Lighting - Prescriptive	34.3%	18.1%	30.3%	17.4%				
ls_107	C&I Interior Lighting - Custom	32.3%	19.4%	29.8%	18.6%				
ls_108	C&I Lighting Controls	32.1%	17.7%	31.3%	19.0%				
ls_109	C&I Refrigeration	23.3%	26.8%	22.6%	27.3%				
ls_110	C&I VFDs (Combined)	23.8%	25.3%	23.7%	27.2%				
ls_111	C&I Food Services	16.0%	17.0%	32.0%	35.0%				
ls_112	C&I Heating & Cooling	34.9%	22.1%	26.4%	16.6%				

	A	B	C	D	E	F	G	H	I	J	L
	Year	Sector (Dropdown)	Program (Dropdown)	Subprogram (Dropdown)	Internal Admin	External Admin	Rebates/Services	Implementation	Marketing	EM&V	TOTAL PA COSTS
4											
47	2022	B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)							\$ -
48	2022	B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)							\$ -
49	2022	A - Residential	A1 - Energy Star Homes	A1a - ES Homes							\$ -
50	2022	A - Residential	A2 - Home Performance with Er	A2a - HPwES (Weatherization)							\$ -
51	2022	A - Residential	A2 - Home Performance with Er	A2b - HPwES (HVAC Systems)							\$ -
52	2022	A - Residential	A2 - Home Performance with Er	A2c - HPwES 3rd Party Financing (Loan buy-down)							\$ -
53	2022	A - Residential	A2 - Home Performance with Er	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)							\$ -
54	2022	A - Residential	A3 - Energy Star Products	A3a - ES Lighting							\$ -
55	2022	A - Residential	A3 - Energy Star Products	A3b - ES Appliances							\$ -
56	2022	A - Residential	A3 - Energy Star Products	A3c - ES HVAC Systems							\$ -
57	2022	A - Residential	A4 - Residential Behavior	A4a - Residential Behavior							\$ -
58	2022	A - Residential	A5 - Residential Active Demand	A5a - Residential Active Demand Response							\$ -
59	2022	A - Residential	A6a - Res Customer Engagemen	A6a - Res Customer Engagement Platform							\$ -
60	2022	A - Residential	A6b - Res ISO Forward Capacit	A6b - Res ISO Forward Capacity Market Expenses							\$ -
61	2022	A - Residential	A6c - Res Education	A6c - Res Education							\$ -
62	2022	A - Residential	A6d - Energy Optimization Pilot	A6d - Energy Optimization Pilot							\$ -
63	2022	A - Residential	A6e - Res Financing	A6e - Res Financing							\$ -
64	2022	A - Residential	A7 - TBD Res Pilots/Demonstra	A7a - TBD Res Pilot/Demonstration 1							\$ -
65	2022	A - Residential	A7 - TBD Res Pilots/Demonstra	A7b - TBD Res Pilot/Demonstration 2							\$ -
66	2022	C - Commercial &	C1 - Large Business Energy Sol	C1a - LCI Retrofit							\$ -
67	2022	C - Commercial &	C1 - Large Business Energy Sol	C1b - LCI New Equipment and Construction							\$ -
68	2022	C - Commercial &	C1 - Large Business Energy Sol	C1c - LCI Midstream							\$ -
69	2022	C - Commercial &	C1 - Large Business Energy Sol	C1d - LCI Direct Install							\$ -
70	2022	C - Commercial &	C2 - Small Business Energy Sol	C2a - SCI Retrofit							\$ -
71	2022	C - Commercial &	C2 - Small Business Energy Sol	C2b - SCI New Equipment and Construction							\$ -
72	2022	C - Commercial &	C2 - Small Business Energy Sol	C2c - SCI Midstream							\$ -
73	2022	C - Commercial &	C2 - Small Business Energy Sol	C2d - SCI Direct Install							\$ -
74	2022	C - Commercial &	C3 - Municipal Energy Solutions	C3a - Muni Retrofit							\$ -
75	2022	C - Commercial &	C3 - Municipal Energy Solutions	C3b - Muni New Equipment and Construction							\$ -
76	2022	C - Commercial &	C3 - Municipal Energy Solutions	C3d - Muni Direct Install							\$ -
77	2022	C - Commercial &	C4 - Energy Rewards RFP Prog	C4a - Energy Rewards RFP Program							\$ -
78	2022	C - Commercial &	C5 - C&I Active Demand Respo	C5a - C&I Active Demand Response							\$ -
79	2022	C - Commercial &	C6a - C&I Customer Engagemen	C6a - C&I Customer Engagement Platform							\$ -
80	2022	C - Commercial &	C6b - C&I ISO Forward Capacit	C6b - C&I ISO Forward Capacity Market Expenses							\$ -
81	2022	C - Commercial &	C6c - C&I Education	C6c - C&I Education							\$ -
82	2022	C - Commercial &	C6d - C&I Customer Partnersh	C6d - C&I Customer Partnerships							\$ -
83	2022	C - Commercial &	C6e - Smart Start	C6e - Smart Start							\$ -
84	2022	C - Commercial &	C6f - C&I On Bill Financing	C6f - C&I On Bill Financing							\$ -
85	2022	C - Commercial &	C6g - C&I Building Practices and	C6g - C&I Building Practices and Demo			\$ -				\$ -
86	2022	C - Commercial &	C7 - C&I TBD Pilots/Demonstra	C7a - TBD C&I Pilot/Demonstration 1			\$ -				\$ -
87	2022	C - Commercial &	C7 - C&I TBD Pilots/Demonstra	C7b - TBD C&I Pilot/Demonstration 2			\$ -				\$ -
88							\$ 6,475,508				
89	2023	B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)							\$ -
90	2023	B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)							\$ -
91	2023	A - Residential	A1 - Energy Star Homes	A1a - ES Homes							\$ -
92	2023	A - Residential	A2 - Home Performance with Er	A2a - HPwES (Weatherization)							\$ -
93	2023	A - Residential	A2 - Home Performance with Er	A2b - HPwES (HVAC Systems)							\$ -
94	2023	A - Residential	A2 - Home Performance with Er	A2c - HPwES 3rd Party Financing (Loan buy-down)							\$ -
95	2023	A - Residential	A2 - Home Performance with Er	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)							\$ -

Year	Month	Day	Time	Activity	Location	Notes
2018	1	1	08:00	Arrived at site	Site A	Initial site assessment
2018	1	2	08:00	Site inspection	Site A	Check equipment and safety
2018	1	3	08:00	Sample collection	Site A	Soil and water samples
2018	1	4	08:00	Site cleanup	Site A	Remove equipment and waste
2018	1	5	08:00	Report writing	Office	Finalize site report
2018	1	6	08:00	Equipment maintenance	Warehouse	Check and service tools
2018	1	7	08:00	Site preparation	Site A	Clear area for next visit
2018	1	8	08:00	Site inspection	Site A	Check for changes
2018	1	9	08:00	Sample collection	Site A	Additional soil samples
2018	1	10	08:00	Site cleanup	Site A	Final site check
2018	1	11	08:00	Report writing	Office	Review and edit report
2018	1	12	08:00	Equipment maintenance	Warehouse	Inventory and storage
2018	1	13	08:00	Site preparation	Site A	Plan for next week
2018	1	14	08:00	Site inspection	Site A	Check weather conditions
2018	1	15	08:00	Sample collection	Site A	Water quality samples
2018	1	16	08:00	Site cleanup	Site A	Remove water samples
2018	1	17	08:00	Report writing	Office	Finalize water report
2018	1	18	08:00	Equipment maintenance	Warehouse	Check water testing kit
2018	1	19	08:00	Site preparation	Site A	Check site access
2018	1	20	08:00	Site inspection	Site A	Check for new findings
2018	1	21	08:00	Sample collection	Site A	Plant life samples
2018	1	22	08:00	Site cleanup	Site A	Remove plant samples
2018	1	23	08:00	Report writing	Office	Finalize plant report
2018	1	24	08:00	Equipment maintenance	Warehouse	Check plant press
2018	1	25	08:00	Site preparation	Site A	Check site safety
2018	1	26	08:00	Site inspection	Site A	Check for hazards
2018	1	27	08:00	Sample collection	Site A	Final soil samples
2018	1	28	08:00	Site cleanup	Site A	Final site check
2018	1	29	08:00	Report writing	Office	Finalize all reports
2018	1	30	08:00	Equipment maintenance	Warehouse	Final equipment check
2018	1	31	08:00	Site preparation	Site A	Final site assessment
2018	2	1	08:00	Site inspection	Site A	Check for changes
2018	2	2	08:00	Sample collection	Site A	Soil and water samples
2018	2	3	08:00	Site cleanup	Site A	Remove equipment
2018	2	4	08:00	Report writing	Office	Finalize site report
2018	2	5	08:00	Equipment maintenance	Warehouse	Check and service tools
2018	2	6	08:00	Site preparation	Site A	Clear area for next visit
2018	2	7	08:00	Site inspection	Site A	Check for changes
2018	2	8	08:00	Sample collection	Site A	Additional soil samples
2018	2	9	08:00	Site cleanup	Site A	Final site check
2018	2	10	08:00	Report writing	Office	Review and edit report
2018	2	11	08:00	Equipment maintenance	Warehouse	Inventory and storage
2018	2	12	08:00	Site preparation	Site A	Plan for next week
2018	2	13	08:00	Site inspection	Site A	Check weather conditions
2018	2	14	08:00	Sample collection	Site A	Water quality samples
2018	2	15	08:00	Site cleanup	Site A	Remove water samples
2018	2	16	08:00	Report writing	Office	Finalize water report
2018	2	17	08:00	Equipment maintenance	Warehouse	Check water testing kit
2018	2	18	08:00	Site preparation	Site A	Check site access
2018	2	19	08:00	Site inspection	Site A	Check for new findings
2018	2	20	08:00	Sample collection	Site A	Plant life samples
2018	2	21	08:00	Site cleanup	Site A	Remove plant samples
2018	2	22	08:00	Report writing	Office	Finalize plant report
2018	2	23	08:00	Equipment maintenance	Warehouse	Check plant press
2018	2	24	08:00	Site preparation	Site A	Check site safety
2018	2	25	08:00	Site inspection	Site A	Check for hazards
2018	2	26	08:00	Sample collection	Site A	Final soil samples
2018	2	27	08:00	Site cleanup	Site A	Final site check
2018	2	28	08:00	Report writing	Office	Finalize all reports
2018	2	29	08:00	Equipment maintenance	Warehouse	Final equipment check
2018	2	30	08:00	Site preparation	Site A	Final site assessment
2018	2	31	08:00	Site inspection	Site A	Check for changes

Site A

Site B

Site C

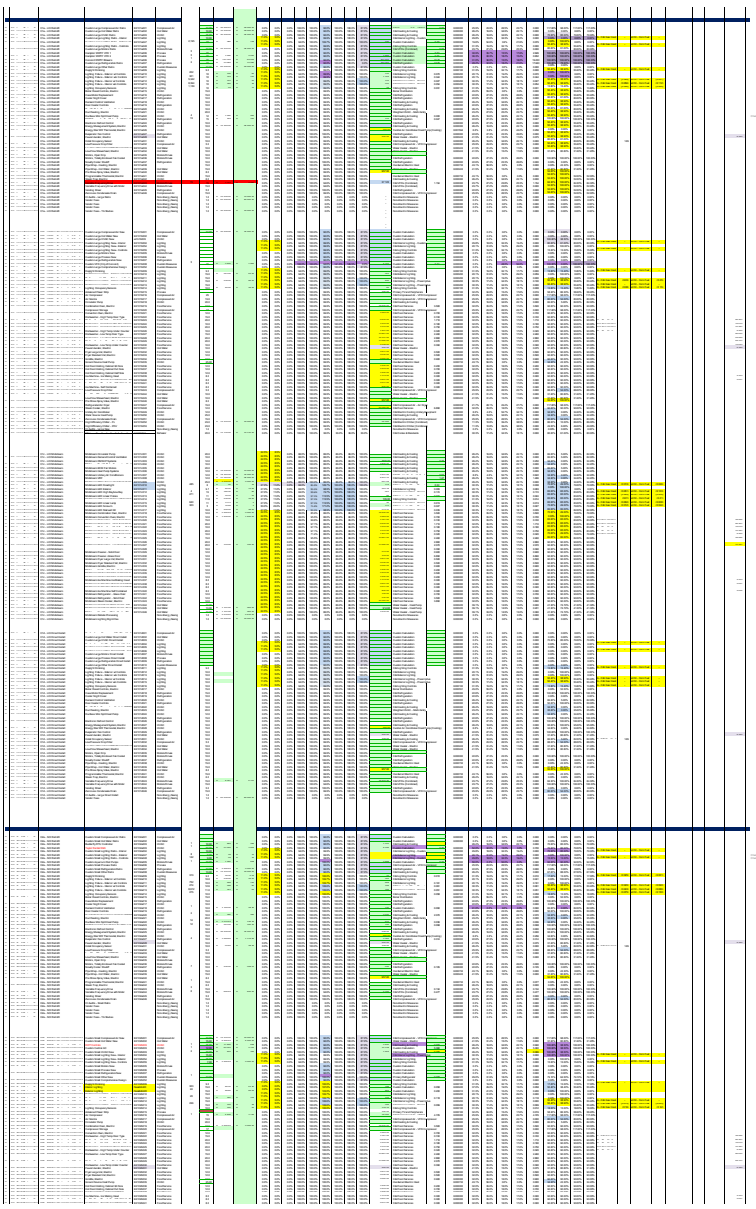
Site D

Site E

Site F

Site G

Site H



Legend

- Sandstone
- Claystone
- Shale
- ...

Legend

- Sandstone
- Claystone
- Shale
- ...

1. 2024年1-6月		2. 2024年7-12月		3. 2024年1-12月	
1.1	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5
1.2	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5
1.3	1.3.1	1.3.2	1.3.3	1.3.4	1.3.5
1.4	1.4.1	1.4.2	1.4.3	1.4.4	1.4.5
1.5	1.5.1	1.5.2	1.5.3	1.5.4	1.5.5
1.6	1.6.1	1.6.2	1.6.3	1.6.4	1.6.5
1.7	1.7.1	1.7.2	1.7.3	1.7.4	1.7.5
1.8	1.8.1	1.8.2	1.8.3	1.8.4	1.8.5
1.9	1.9.1	1.9.2	1.9.3	1.9.4	1.9.5
1.10	1.10.1	1.10.2	1.10.3	1.10.4	1.10.5
1.11	1.11.1	1.11.2	1.11.3	1.11.4	1.11.5
1.12	1.12.1	1.12.2	1.12.3	1.12.4	1.12.5
1.13	1.13.1	1.13.2	1.13.3	1.13.4	1.13.5
1.14	1.14.1	1.14.2	1.14.3	1.14.4	1.14.5
1.15	1.15.1	1.15.2	1.15.3	1.15.4	1.15.5
1.16	1.16.1	1.16.2	1.16.3	1.16.4	1.16.5
1.17	1.17.1	1.17.2	1.17.3	1.17.4	1.17.5
1.18	1.18.1	1.18.2	1.18.3	1.18.4	1.18.5
1.19	1.19.1	1.19.2	1.19.3	1.19.4	1.19.5
1.20	1.20.1	1.20.2	1.20.3	1.20.4	1.20.5
1.21	1.21.1	1.21.2	1.21.3	1.21.4	1.21.5
1.22	1.22.1	1.22.2	1.22.3	1.22.4	1.22.5
1.23	1.23.1	1.23.2	1.23.3	1.23.4	1.23.5
1.24	1.24.1	1.24.2	1.24.3	1.24.4	1.24.5
1.25	1.25.1	1.25.2	1.25.3	1.25.4	1.25.5
1.26	1.26.1	1.26.2	1.26.3	1.26.4	1.26.5
1.27	1.27.1	1.27.2	1.27.3	1.27.4	1.27.5
1.28	1.28.1	1.28.2	1.28.3	1.28.4	1.28.5
1.29	1.29.1	1.29.2	1.29.3	1.29.4	1.29.5
1.30	1.30.1	1.30.2	1.30.3	1.30.4	1.30.5
1.31	1.31.1	1.31.2	1.31.3	1.31.4	1.31.5
1.32	1.32.1	1.32.2	1.32.3	1.32.4	1.32.5
1.33	1.33.1	1.33.2	1.33.3	1.33.4	1.33.5
1.34	1.34.1	1.34.2	1.34.3	1.34.4	1.34.5
1.35	1.35.1	1.35.2	1.35.3	1.35.4	1.35.5
1.36	1.36.1	1.36.2	1.36.3	1.36.4	1.36.5
1.37	1.37.1	1.37.2	1.37.3	1.37.4	1.37.5
1.38	1.38.1	1.38.2	1.38.3	1.38.4	1.38.5
1.39	1.39.1	1.39.2	1.39.3	1.39.4	1.39.5
1.40	1.40.1	1.40.2	1.40.3	1.40.4	1.40.5
1.41	1.41.1	1.41.2	1.41.3	1.41.4	1.41.5
1.42	1.42.1	1.42.2	1.42.3	1.42.4	1.42.5
1.43	1.43.1	1.43.2	1.43.3	1.43.4	1.43.5
1.44	1.44.1	1.44.2	1.44.3	1.44.4	1.44.5
1.45	1.45.1	1.45.2	1.45.3	1.45.4	1.45.5
1.46	1.46.1	1.46.2	1.46.3	1.46.4	1.46.5
1.47	1.47.1	1.47.2	1.47.3	1.47.4	1.47.5
1.48	1.48.1	1.48.2	1.48.3	1.48.4	1.48.5
1.49	1.49.1	1.49.2	1.49.3	1.49.4	1.49.5
1.50	1.50.1	1.50.2	1.50.3	1.50.4	1.50.5
1.51	1.51.1	1.51.2	1.51.3	1.51.4	1.51.5
1.52	1.52.1	1.52.2	1.52.3	1.52.4	1.52.5
1.53	1.53.1	1.53.2	1.53.3	1.53.4	1.53.5
1.54	1.54.1	1.54.2	1.54.3	1.54.4	1.54.5
1.55	1.55.1	1.55.2	1.55.3	1.55.4	1.55.5
1.56	1.56.1	1.56.2	1.56.3	1.56.4	1.56.5
1.57	1.57.1	1.57.2	1.57.3	1.57.4	1.57.5
1.58	1.58.1	1.58.2	1.58.3	1.58.4	1.58.5
1.59	1.59.1	1.59.2	1.59.3	1.59.4	1.59.5
1.60	1.60.1	1.60.2	1.60.3	1.60.4	1.60.5
1.61	1.61.1	1.61.2	1.61.3	1.61.4	1.61.5
1.62	1.62.1	1.62.2	1.62.3	1.62.4	1.62.5
1.63	1.63.1	1.63.2	1.63.3	1.63.4	1.63.5
1.64	1.64.1	1.64.2	1.64.3	1.64.4	1.64.5
1.65	1.65.1	1.65.2	1.65.3	1.65.4	1.65.5
1.66	1.66.1	1.66.2	1.66.3	1.66.4	1.66.5
1.67	1.67.1	1.67.2	1.67.3	1.67.4	1.67.5
1.68	1.68.1	1.68.2	1.68.3	1.68.4	1.68.5
1.69	1.69.1	1.69.2	1.69.3	1.69.4	1.69.5
1.70	1.70.1	1.70.2	1.70.3	1.70.4	1.70.5
1.71	1.71.1	1.71.2	1.71.3	1.71.4	1.71.5
1.72	1.72.1	1.72.2	1.72.3	1.72.4	1.72.5
1.73	1.73.1	1.73.2	1.73.3	1.73.4	1.73.5
1.74	1.74.1	1.74.2	1.74.3	1.74.4	1.74.5
1.75	1.75.1	1.75.2	1.75.3	1.75.4	1.75.5
1.76	1.76.1	1.76.2	1.76.3	1.76.4	1.76.5
1.77	1.77.1	1.77.2	1.77.3	1.77.4	1.77.5
1.78	1.78.1	1.78.2	1.78.3	1.78.4	1.78.5
1.79	1.79.1	1.79.2	1.79.3	1.79.4	1.79.5
1.80	1.80.1	1.80.2	1.80.3	1.80.4	1.80.5
1.81	1.81.1	1.81.2	1.81.3	1.81.4	1.81.5
1.82	1.82.1	1.82.2	1.82.3	1.82.4	1.82.5
1.83	1.83.1	1.83.2	1.83.3	1.83.4	1.83.5
1.84	1.84.1	1.84.2	1.84.3	1.84.4	1.84.5
1.85	1.85.1	1.85.2	1.85.3	1.85.4	1.85.5
1.86	1.86.1	1.86.2	1.86.3	1.86.4	1.86.5
1.87	1.87.1	1.87.2	1.87.3	1.87.4	1.87.5
1.88	1.88.1	1.88.2	1.88.3	1.88.4	1.88.5
1.89	1.89.1	1.89.2	1.89.3	1.89.4	1.89.5
1.90	1.90.1	1.90.2	1.90.3	1.90.4	1.90.5
1.91	1.91.1	1.91.2	1.91.3	1.91.4	1.91.5
1.92	1.92.1	1.92.2	1.92.3	1.92.4	1.92.5
1.93	1.93.1	1.93.2	1.93.3	1.93.4	1.93.5
1.94	1.94.1	1.94.2	1.94.3	1.94.4	1.94.5
1.95	1.95.1	1.95.2	1.95.3	1.95.4	1.95.5
1.96	1.96.1	1.96.2	1.96.3	1.96.4	1.96.5
1.97	1.97.1	1.97.2	1.97.3	1.97.4	1.97.5
1.98	1.98.1	1.98.2	1.98.3	1.98.4	1.98.5
1.99	1.99.1	1.99.2	1.99.3	1.99.4	1.99.5
1.100	1.100.1	1.100.2	1.100.3	1.100.4	1.100.5

1. 2024年1-6月

2. 2024年7-12月

3. 2024年1-12月

1. 2024年1-6月

2. 2024年7-12月

3. 2024年1-12月

Item No.	Description	Unit	Quantity	Rate	Amount
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	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
1															
2															
3	Inputs						Costs	Electric Savings: Energy							
4	Subprogram	Measure	Measure ID	End Use	Quantity	Measure Life	Incentive (Total)	Gross Annual MWh Savings	Adjusted Gross Annual MWh Savings	Gross Lifetime MWh Savings	Adjusted Gross Lifetime MWh Savings	Net Annual MWh Savings	Net Lifetime MWh Savings	Winter Peak Energy MWh Net Lifetime	Winter Off-Peak Energy MWh Net Lifetime
5															
6	B1a - HEA (Weatherization)	Air Sealing, Electric	E21B1a002	Envelope											
7	B1a - HEA (Weatherization)	Air Sealing, Gas	E21B1a003	Envelope											
8	B1a - HEA (Weatherization)	Air Sealing, Kerosene	E21B1a004	Envelope	10	15.0	\$ 5,378	1.488	1,354	22.320	20.311	1,354	20.311	1.339	0.781
9	B1a - HEA (Weatherization)	Air Sealing, Oil	E21B1a005	Envelope	8	15.0	\$ 6,772	0.258	0.235	3.870	3.522	0.235	3.522	0.232	0.135
10	B1a - HEA (Weatherization)	Air Sealing, Propane	E21B1a006	Envelope	8	15.0	\$ 4,921	0.502	0.457	7.530	6.852	0.457	6.852	0.452	0.264
11	B1a - HEA (Weatherization)	Air Sealing, Wood Pellets	E21B1a007	Envelope											
12															
13	B1a - HEA (Weatherization)	Faucet Aerator, Electric	E21B1a009	Hot Water	3	7.0	\$ 102	0.327	0.298	2.289	2.083	0.298	2.083	0.865	0.654
14	B1a - HEA (Weatherization)	Faucet Aerator, Gas	E21B1a010	Hot Water											
15	B1a - HEA (Weatherization)	Faucet Aerator, Kerosene	E21B1a011	Hot Water											
16	B1a - HEA (Weatherization)	Faucet Aerator, Oil	E21B1a012	Hot Water	1	7.0	\$ 35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	B1a - HEA (Weatherization)	Faucet Aerator, Propane	E21B1a013	Hot Water											
18															
19															
20	B1a - HEA (Weatherization)	Hand Held Showerhead, Electric	E21B1a016	Hot Water											
21	B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	E21B1a017	Hot Water											
22	B1a - HEA (Weatherization)	Hand Held Showerhead, Kerosene	E21B1a018	Hot Water											
23	B1a - HEA (Weatherization)	Hand Held Showerhead, Oil	E21B1a019	Hot Water											
24	B1a - HEA (Weatherization)	Hand Held Showerhead, Propane	E21B1a020	Hot Water											
25															
26															
27	B1a - HEA (Weatherization)	Insulation, Electric	E21B1a023	Envelope											
28	B1a - HEA (Weatherization)	Insulation, Gas	E21B1a024	Envelope											
29	B1a - HEA (Weatherization)	Insulation, Kerosene	E21B1a025	Envelope	12	25.0	\$ 59,995	8.792	8.001	219.812	200.029	8.001	200.029	13.191	7.694
30	B1a - HEA (Weatherization)	Insulation, Oil	E21B1a026	Envelope	11	25.0	\$ 54,646	3.445	3.135	86.116	78.366	3.135	78.366	5.168	3.014
31	B1a - HEA (Weatherization)	Insulation, Propane	E21B1a027	Envelope	8	25.0	\$ 46,453	3.760	3.422	93.999	85.539	3.422	85.539	5.641	3.290
32	B1a - HEA (Weatherization)	Insulation, Wood Pellets	E21B1a028	Envelope											
33															
34	B1a - HEA (Weatherization)	Low Flow Showerhead, Electric	E21B1a030	Hot Water											
35	B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	E21B1a031	Hot Water											
36	B1a - HEA (Weatherization)	Low Flow Showerhead, Kerosene	E21B1a032	Hot Water											
37	B1a - HEA (Weatherization)	Low Flow Showerhead, Oil	E21B1a033	Hot Water											
38	B1a - HEA (Weatherization)	Low Flow Showerhead, Propane	E21B1a034	Hot Water											
39															
40															
41	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Electric	E21B1a037	Hot Water											
42	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	E21B1a038	Hot Water											
43	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Kerosene	E21B1a039	Hot Water											
44	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Oil	E21B1a040	Hot Water											
45	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Propane	E21B1a041	Hot Water											
46															
47	B1a - HEA (Weatherization)	DHW Heat Pump Water Heater	E21B1a043	Hot Water	1	13.0	\$ 7,453	1.456	1.325	18.928	17.224	1.325	17.224	7.151	5.407
48	B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	E21B1a044	Lighting	110	2.0	\$ 1,294	6.693	6.091	13.386	12.181	6.091	12.181	4.277	3.742
49	B1a - HEA (Weatherization)	LED Bulb, Linear	E21B1a045	Lighting											
50	B1a - HEA (Weatherization)	LED Bulb, Other Specialty	E21B1a046	Lighting											
51	B1a - HEA (Weatherization)	LED Bulb, Reflector	E21B1a047	Lighting											
52	B1a - HEA (Weatherization)	LED Fixture	E21B1a048	Lighting	9	2.0	\$ 1,588	1.390	1.265	2.780	2.530	1.265	2.530	0.888	0.777
53	B1a - HEA (Weatherization)	Refrigerator	E21B1a049	Refrigeration	14	12.0	\$ 12,536	4.210	3.831	50.520	45.973	3.831	45.973	13.331	14.688
54	B1a - HEA (Weatherization)	Freezer	E21B1a050	Refrigeration											
55	B1a - HEA (Weatherization)	Clothes Washer	E21B1a051	Hot Water											
56	B1a - HEA (Weatherization)	Clothes Dryer	E21B1a052	Envelope											
57	B1a - HEA (Weatherization)	Dehumidifier	E21B1a053	Refrigeration											
58	B1a - HEA (Weatherization)	Room Air Conditioner	E21B1a054	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
59	B1a - HEA (Weatherization)	Triple Pane Window	E21B1a055	Envelope											
60	B1a - HEA (Weatherization)	Visual Audit	E21B1a056	Envelope											
61	B1a - HEA (Weatherization)	Baseload Audit - SF	E21B1a057	Envelope											
62	B1a - HEA (Weatherization)	Baseload Audit - MF	E21B1a058	Envelope											
63	B1a - HEA (Weatherization)	Low Income Kits	E21B1a059	Lighting											
64	B1a - HEA (Weatherization)	Window Replacement, Electric	E21B1a064	Envelope											
65	B1a - HEA (Weatherization)	Window Replacement, Kerosene	E21B1a066	Envelope	16	25.0	\$ 10,459	0.020	0.018	0.501	0.456	0.018	0.456	0.030	0.018
66	B1a - HEA (Weatherization)	Window Replacement, Oil	E21B1a067	Envelope	14	25.0	\$ 4,940	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67	B1a - HEA (Weatherization)	Insulated Door, Kerosene	E21B1a073	Envelope	4	25.0	\$ 2,363	0.493	0.449	12.325	11.216	0.449	11.216	0.740	0.431
68	B1a - HEA (Weatherization)	Insulated Door, Propane	E21B1a075	Envelope	1	25.0	\$ 781	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	B1a - HEA (Weatherization)	Stand Alone Water Heater, Electric	E21B1a096	Hot Water	4	13.0	\$ 13,035	20.898	19.017	271.674	247.223	19.017	247.223	102.636	77.605
70	B1a - HEA (Weatherization)	Stand Alone Water Heater, Propane	E21B1a099	Hot Water	1	13.0	\$ 7,300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	B1a - HEA (Weatherization)	Audit	0	Non-Energy Saving											
72	B1a - HEA (Weatherization)	Admin Fee	0	Non-Energy Saving											
73	B1a - HEA (Weatherization)	Quality Assurance	0	Non-Energy Saving	1	1.0	\$ 42,707	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74	B1a - HEA (Weatherization)	Contractor Fees - SF	0	Non-Energy Saving											
75	B1a - HEA (Weatherization)	Contractor Fees - MF	0	Non-Energy Saving											
76	B1a - HEA (Weatherization)	nonprofit services	0	Custom Measures											
77	B1a - HEA (Weatherization)	Wxn Projects	0	Custom Measures	147	15.0	\$ -	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78															
79	B1b - HEA (HVAC Systems)	Boiler Replacement, Gas	E21B1b001	HVAC	1	19.0	\$ 12,063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	B1b - HEA (HVAC Systems)	Boiler Replacement, Kerosene	E21B1b002	HVAC											
81	B1b - HEA (HVAC Systems)	Boiler Replacement, Oil	E21B1b003	HVAC	6	19.0	\$ 56,047	0.489	0.445	9.291	8.455	0.445	8.455	3.806	4.649
82	B1b - HEA (HVAC Systems)	Boiler Replacement, Propane	E21B1b004	HVAC											
83	B1b - HEA (HVAC Systems)	Furnace Replacement, Gas	E21B1b005	HVAC											
84	B1b - HEA (HVAC Systems)	Furnace Replacement, Kerosene	E21B1b006	HVAC	10	17.0	\$ 50,747	0.876	0.797	14.892	13.552	0.797	13.552	6.041	7.511
85	B1b - HEA (HVAC Systems)	Furnace Replacement, Oil	E21B1b007	HVAC	3	17.0	\$ 25,846	0.392	0.357	6.661	6.061	0.357	6.061	2.702	3.359
86	B1b - HEA (HVAC Systems)	Furnace Replacement, Propane	E21B1b008	HVAC	2	17.0	\$ 11,373	0.261	0.238	4.440	4.041	0.238	4.041	1.801	2.239
87	B1b - HEA (HVAC Systems)	Programmable Thermostat, Electric	E21B1b009	HVAC											
88	B1b - HEA (HVAC Systems)	Programmable Thermostat, Gas	E21B1b010	HVAC											
89	B1b - HEA (HVAC Systems)	Programmable Thermostat, Kerosene	E21B1b011	HVAC	1	15.0	\$ 160	0.001	0.001	0.015	0.014	0.001	0.014	0.003	0.004
90	B1b - HEA (HVAC Systems)	Programmable Thermostat, Oil	E21B1b012	HVAC	2	15.0	\$ 639	0.058	0.053	0.870	0.792	0.053	0.792	0.201	0.235
91	B1b - HEA (HVAC Systems)	Programmable Thermostat, Propane	E21B1b013	HVAC	1	15.0	\$ 131	0.119	0.108	1.785	1.624	0.108	1.624	0.413	0.482
92	B1b - HEA (HVAC Systems)	Programmable Thermostat, Wood Pellets	E21B1b014	HVAC											
93	B1b - HEA (HVAC Systems)	Wifi Thermostat, Electric	E21B1b015	HVAC											
94	B1b - HEA (HVAC Systems)	Wifi Thermostat, Gas	E21B1b016	HVAC											
95	B1b - HEA (HVAC Systems)	Wifi Thermostat, Kerosene	E21B1b017	HVAC											
96	B1b - HEA (HVAC Systems)	Wifi Thermostat, Oil	E21B1b018	HVAC											
97	B1b - HEA (HVAC Systems)	Wifi Thermostat, Propane	E21B1b019	HVAC											
98	B1b - HEA (HVAC Systems)	Wifi Thermostat, Wood Pellets	E21B1b020	HVAC											
99	B1b - HEA (HVAC Systems)	Mini Split HP (cooling)	E21B1b021	HVAC											
100	B1b - HEA (HVAC Systems)	Mini Split HP (heating)	E21B1b022	HVAC											
101	B1b - HEA (HVAC Systems)	Oil K1 HVAC Repair or Cleaning	E21B1b024	HVAC	7	1.0	\$ 6,131	0.423	0.385	0.423	0.385	0.385	0.385	0.172	0.213
102	B1b - HEA (HVAC Systems)	Gas LP HVAC Repair or Cleaning	E21B1b025	HVAC	5	2.0	\$ 7,975	0.602	0.548	1.204	1.096	0.548	1.096	0.488	0.607
103	B1b - HEA (HVAC Systems)	Concord Housing Custom Project	E21B1Cust	HVAC	1	18.0	\$ 969,483	123.273	123.273	2,218.914	2,218.914	123.273	2,218.914	1,801.758	705.615
104															
105															
106															
107															
108															
109															
110															
111															
112															
113															
114	A1a - ES Homes	Cooling, Electric, SF	E21A1a001	HVAC	18	25.0	\$ -	3.137	3.137	78.415	78.415	3.137	78.415	5.171	3.016
115	A1a - ES Homes	Heating, Electric, SF	E21A1a002	HVAC	3	25.0	\$ 1,000	15.903	15.903	397.575	397.575	15.903	397.575	170.639	226.936
116	A1a - ES Homes	Heating, Gas, SF	E21A1a003	HVAC	6	25.0	\$ 9,200	8.753	8.753	218.813	218.813	8.753	218.813	0.000	0.000
117	A1a - ES Homes	Heating, Oil, SF	E21A1a004	HVAC											
118	A1a - ES Homes	Heating, Propane, SF	E21A1a005	HVAC	20	25.0	\$ 23,650	9.329	9.329	233.223	233.223	9.329	233.223	0.000	0.000
119	A1a - ES Homes	Heating, Wood Pellets, SF	E21A1a006	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
120	A1a - ES Homes	Hot Water, Electric, SF	E21A1a007	Hot Water	5	15.0	\$ -	11.833	11.833	177.500	177.500	11.833	177.500	73.690	55.718
121	A1a - ES Homes	Hot Water, Gas, SF	E21A1a008	Hot Water	6	15.0	\$ -	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	A1a - ES Homes	Hot Water, Oil, SF	E21A1a009	Hot Water											
123	A1a - ES Homes	Hot Water, Propane, SF	E21A1a010	Hot Water	18	15.0	\$ -	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	A1a - ES Homes	Hot Water, Wood Pellets, SF	E21A1a011	Hot Water											
125	A1a - ES Homes	Cooling, Electric, MF	E21A1a012	HVAC											
126	A1a - ES Homes	Heating, Electric, MF	E21A1a013	HVAC											
127	A1a - ES Homes	Heating, Gas, MF	E21A1a014	HVAC											
128	A1a - ES Homes	Heating, Oil, MF	E21A1a015	HVAC											
129	A1a - ES Homes	Heating, Propane, MF	E21A1a016	HVAC											
130	A1a - ES Homes	Heating, Wood Pellets, MF	E21A1a017	HVAC											
131	A1a - ES Homes	Hot Water, Electric, MF	E21A1a018	Hot Water											
132	A1a - ES Homes	Hot Water, Gas, MF	E21A1a019	Hot Water											
133	A1a - ES Homes	Hot Water, Oil, MF	E21A1a020	Hot Water											
134	A1a - ES Homes	Hot Water, Propane, MF	E21A1a021	Hot Water											
135	A1a - ES Homes	Hot Water, Wood Pellets, MF	E21A1a022	Hot Water											
136	A1a - ES Homes	LED Bulb	E21A1a023	Lighting	963	3.0	\$ 8,534	6.260	6.134	18.779	18.403	6.134	18.403	6.462	5.654
137	A1a - ES Homes	LED Fixture	E21A1a024	Lighting	191	3.0	\$ 3,600	1.051	1.051	3.152	3.152	1.051	3.152	1.107	0.968
138	A1a - ES Homes	Refrigerator	E21A1a025	Refrigeration	12	12.0	\$ 225	0.530	0.530	6.365	6.365	0.530	6.365	1.846	2.034
139	A1a - ES Homes	Clothes Washer	E21A1a026	Hot Water	7	11.0	\$ 150	0.629	0.629	6.922	6.922	0.629	6.922	2.523	2.070
140	A1a - ES Homes	Clothes Dryer	E21A1a027	Envelope	6	12.0	\$ 125	0.962	0.962	11.549	11.549	0.962	11.549	4.497	3.459
141	A1a - ES Homes	HERS - Lighting and Appliances	E21A1a028	Lighting											
142	A1a - ES Homes	HERS Rater Fee - SF	0	Non-Energy Saving											
143	A1a - ES Homes	HERS Rater Fee - MF	0	Non-Energy Saving											
144	A1a - ES Homes	Residential New Construction Code Compliance	E21A1a029	Behavior											
145															
146															
147															
148															
149															
150															
151															
152															
153	A2a - HPwES (Weatheriza	Air Sealing, Electric	E21A2a002	Envelope	6	15.0	\$ 4,907	12.364	12.240	185.461	183.606	12.240	183.606	79.187	104.419
154	A2a - HPwES (Weatheriza	Air Sealing, Gas	E21A2a003	Envelope	16	15.0	\$ 9,242	0.514	0.509	7.709	7.632	0.509	7.632	1.994	2.330
155	A2a - HPwES (Weatheriza	Air Sealing, Kerosene	E21A2a004	Envelope	1	15.0	\$ 812	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	A2a - HPwES (Weatheriza	Air Sealing, Oil	E21A2a005	Envelope	70	15.0	\$ 46,413	1.217	1.204	18.250	18.067	1.204	18.067	4.721	5.516
157	A2a - HPwES (Weatheriza	Air Sealing, Propane	E21A2a006	Envelope	15	15.0	\$ 10,056	4.231	4.189	63.471	62.837	4.189	62.837	16.418	19.185
158	A2a - HPwES (Weatheriza	Air Sealing, Wood Pellets	E21A2a007	Envelope	8	15.0	\$ 5,681	5.000	4.950	74.996	74.246	4.950	74.246	19.399	22.668
159															
160	A2a - HPwES (Weatheriza	Faucet Aerator, Electric	E21A2a009	Hot Water	5	7.0	\$ 71	0.510	0.505	3.570	3.534	0.505	3.534	1.467	1.109
161	A2a - HPwES (Weatheriza	Faucet Aerator, Gas	E21A2a010	Hot Water	2	7.0	\$ 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	A2a - HPwES (Weatheriza	Faucet Aerator, Kerosene	E21A2a011	Hot Water											
163	A2a - HPwES (Weatheriza	Faucet Aerator, Oil	E21A2a012	Hot Water	14	7.0	\$ 279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	A2a - HPwES (Weatheriza	Faucet Aerator, Propane	E21A2a013	Hot Water	7	7.0	\$ 127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165															
166															
167	A2a - HPwES (Weatheriza	Hand Held Showerhead, Electric	E21A2a016	Hot Water											
168	A2a - HPwES (Weatheriza	Hand Held Showerhead, Gas	E21A2a017	Hot Water											
169	A2a - HPwES (Weatheriza	Hand Held Showerhead, Kerosene	E21A2a018	Hot Water											
170	A2a - HPwES (Weatheriza	Hand Held Showerhead, Oil	E21A2a019	Hot Water	2	15.0	\$ 67	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	A2a - HPwES (Weatheriza	Hand Held Showerhead, Propane	E21A2a020	Hot Water											
172															
173															
174	A2a - HPwES (Weatheriza	Insulation, Electric	E21A2a023	Envelope	10	25.0	\$ 29,194	26.295	26.032	657.375	650.801	26.032	650.801	280.682	370.119
175	A2a - HPwES (Weatheriza	Insulation, Gas	E21A2a024	Envelope	22	25.0	\$ 61,191	5.629	5.572	140.718	139.311	5.572	139.311	35.395	41.322
176	A2a - HPwES (Weatheriza	Insulation, Kerosene	E21A2a025	Envelope											
177	A2a - HPwES (Weatheriza	Insulation, Oil	E21A2a026	Envelope	80	25.0	\$ 402,100	32.852	32.523	821.290	813.077	32.523	813.077	206.581	241.173
178	A2a - HPwES (Weatheriza	Insulation, Propane	E21A2a027	Envelope	24	25.0	\$ 77,233	5.613	5.556	140.313	138.910	5.556	138.910	35.293	41.203
179	A2a - HPwES (Weatheriza	Insulation, Wood Pellets	E21A2a028	Envelope	8	25.0	\$ 34,596	39.065	38.674	976.629	966.862	38.674	966.862	245.654	286.788
180															

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
181	A2a - HPwES (Weatheriza	Low Flow Showerhead, Electric	E21A2a030	Hot Water											
182	A2a - HPwES (Weatheriza	Low Flow Showerhead, Gas	E21A2a031	Hot Water											
183	A2a - HPwES (Weatheriza	Low Flow Showerhead, Kerosene	E21A2a032	Hot Water											
184	A2a - HPwES (Weatheriza	Low Flow Showerhead, Oil	E21A2a033	Hot Water											
185	A2a - HPwES (Weatheriza	Low Flow Showerhead, Propane	E21A2a034	Hot Water											
186															
187															
188	A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Electric	E21A2a037	Hot Water											
189	A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Gas	E21A2a038	Hot Water											
190	A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Kerosene	E21A2a039	Hot Water											
191	A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Oil	E21A2a040	Hot Water	1	15.0	\$ 107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
192	A2a - HPwES (Weatheriza	Pipe Insulation - Hot Water, Propane	E21A2a041	Hot Water	2	15.0	\$ 499	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
193															
194	A2a - HPwES (Weatheriza	DHW Heat Pump Water Heater	E21A2a043	Hot Water											
195	A2a - HPwES (Weatheriza	LED Bulb, General Service Lamps	E21A2a044	Lighting	849	2.0	\$ 10,074	29.970	29.670	59.939	59.340	29.670	59.340	20.837	18.230
196	A2a - HPwES (Weatheriza	LED Bulb, Linear	E21A2a045	Lighting											
197	A2a - HPwES (Weatheriza	LED Bulb, Other Specialty	E21A2a046	Lighting											
198	A2a - HPwES (Weatheriza	LED Bulb, Reflector	E21A2a047	Lighting											
199	A2a - HPwES (Weatheriza	LED Fixture	E21A2a048	Lighting											
200	A2a - HPwES (Weatheriza	Refrigerator	E21A2a049	Refrigeration	8	12.0	\$ 4,450	5.449	5.395	65.390	64.736	5.395	64.736	18.772	20.683
201	A2a - HPwES (Weatheriza	Freezer	E21A2a053	Refrigeration											
202	A2a - HPwES (Weatheriza	Clothes Washer	E21A2a054	Hot Water											
203	A2a - HPwES (Weatheriza	Clothes Dryer	E21A2a055	Envelope											
204	A2a - HPwES (Weatheriza	Dehumidifier	E21A2a056	Refrigeration											
205	A2a - HPwES (Weatheriza	Room Air Conditioner	E21A2a057	HVAC											
206	A2a - HPwES (Weatheriza	Triple Pane Window	E21A2a058	Envelope											
207	A2a - HPwES (Weatheriza	Visual Audit Oil Savings	E21A2a050	Envelope											
208	A2a - HPwES (Weatheriza	Visual Audit Propane Savings	E21A2a051	Envelope											
209	A2a - HPwES (Weatheriza	Visual Audit Electric Savings	E21A2a052	Envelope											
210	A2a - HPwES (Weatheriza	Quality Assurance	0	Non-Energy Saving	1	1.0	\$ 21,105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
211	A2a - HPwES (Weatheriza	Full audits and STAT	0	Non-Energy Saving											
212	A2a - HPwES (Weatheriza	Admin Fee	0	Non-Energy Saving											
213	A2a - HPwES (Weatheriza	Contractor Fees	0	Non-Energy Saving											
214	A2c - HPwES 3rd Party Fir	3rd Party Financing	0	Non-Energy Saving											
215	A2a - HPwES (Weatheriza	Hot Water Setback, Oil	E21A2a061	Hot Water	3	2.0	\$ 25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
216															
217															
218	A2b - HPwES (HVAC Syst	Boiler Replacement, Gas	E21A2b001	HVAC											
219	A2b - HPwES (HVAC Syst	Boiler Replacement, Kerosene	E21A2b002	HVAC											
220	A2b - HPwES (HVAC Syst	Boiler Replacement, Oil	E21A2b003	HVAC	1	19.0	\$ 500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
221	A2b - HPwES (HVAC Syst	Boiler Replacement, Propane	E21A2b004	HVAC											
222	A2b - HPwES (HVAC Syst	Furnace Replacement, Gas	E21A2b005	HVAC											
223	A2b - HPwES (HVAC Syst	Furnace Replacement, Kerosene	E21A2b006	HVAC											
224	A2b - HPwES (HVAC Syst	Furnace Replacement, Oil	E21A2b007	HVAC											
225	A2b - HPwES (HVAC Syst	Furnace Replacement, Propane	E21A2b008	HVAC											
226	A2b - HPwES (HVAC Syst	Programmable Thermostat, Electric	E21A2b009	HVAC											
227	A2b - HPwES (HVAC Syst	Programmable Thermostat, Gas	E21A2b010	HVAC	16	15.0	\$ 5,880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
228	A2b - HPwES (HVAC Syst	Programmable Thermostat, Kerosene	E21A2b011	HVAC											
229	A2b - HPwES (HVAC Syst	Programmable Thermostat, Oil	E21A2b012	HVAC	66	15.0	\$ 22,958	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
230	A2b - HPwES (HVAC Syst	Programmable Thermostat, Propane	E21A2b013	HVAC	35	15.0	\$ 12,863	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
231	A2b - HPwES (HVAC Syst	Programmable Thermostat, Wood Pellets	E21A2b014	HVAC											
232	A2b - HPwES (HVAC Syst	Wifi Thermostat, Electric	E21A2b015	HVAC											
233	A2b - HPwES (HVAC Syst	Wifi Thermostat, Gas	E21A2b016	HVAC											
234	A2b - HPwES (HVAC Syst	Wifi Thermostat, Kerosene	E21A2b017	HVAC											
235	A2b - HPwES (HVAC Syst	Wifi Thermostat, Oil	E21A2b018	HVAC	16	15.0	\$ 5,880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
236	A2b - HPwES (HVAC Syst	Wifi Thermostat, Propane	E21A2b019	HVAC	2	15.0	\$ 735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
237	A2b - HPwES (HVAC Syst	Wifi Thermostat, Wood Pellets	E21A2b020	HVAC											
238	A2b - HPwES (HVAC Syst	Ancillary Savings – Boiler Circulator Pump	E21A2b022	HVAC	175	19.0	\$ -	1.575	1.497	29.925	28.441	1.497	28.441	12.802	15.639
239	A2b - HPwES (HVAC Syst	Ancillary Savings – Furnace	E21A2b023	HVAC	30	18.0	\$ -	2.580	2.452	46.440	44.137	2.452	44.137	19.675	24.461
240	A2b - HPwES (HVAC Syst	Ancillary Savings – Central AC	E21A2b024	HVAC	28	18.0	\$ -	1.670	1.587	30.060	28.569	1.587	28.569	1.884	1.099
241	A2b - HPwES (HVAC Syst	Ancillary Savings – Room AC	E21A2b025	HVAC	160	18.0	\$ -	3.680	3.497	66.240	62.954	3.497	62.954	1.816	1.356

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
242															
243															
244															
245															
246															
247															
248															
249															
250															
251	A3a - ES Lighting	LED Bulb, General Service Lamps	E21A3a001	Lighting	195,138	3.0	\$ 208,244	5,990.737	5,331.756	17,972.210	15,995.267	1,759.479	5,278.438	1,853.472	1,621.577
252	A3a - ES Lighting	LED Bulb, Linear	E21A3a002	Lighting											
253	A3a - ES Lighting	LED Bulb, Other Specialty	E21A3a003	Lighting	47,298	3.0	\$ 62,308	1,267.586	1,153.504	3,802.759	3,460.511	380.656	1,141.969	400.991	350.822
254	A3a - ES Lighting	LED Bulb, Reflector	E21A3a004	Lighting	39,670	2.0	\$ 67,784	1,309.110	1,191.290	2,618.220	2,382.580	393.126	786.251	276.085	241.543
255	A3a - ES Lighting	LED Bulb, General Service Lamps (Hard to Reach)	E21A3a005	Lighting											
256	A3a - ES Lighting	LED Bulb, Linear (Hard to Reach)	E21A3a006	Lighting											
257	A3a - ES Lighting	LED Bulb, Other Specialty (Hard to Reach)	E21A3a007	Lighting											
258	A3a - ES Lighting	LED Bulb, Reflector (Hard to Reach)	E21A3a008	Lighting											
259	A3a - ES Lighting	LED Fixture	E21A3a009	Lighting	5,216	3.0	\$ 42,015	137.702	125.309	413.107	375.928	41.352	124.056	43.561	38.111
260	A3a - ES Lighting	LED Fixture (Hard to Reach)	E21A3a010	Lighting											
261	A3a - ES Lighting	TRC Circuit Rider and EFI Fixed	0	Non-Energy Saving											
262	A3a - ES Lighting	EFI Lighting Rebate Processing	0	Non-Energy Saving											
263															
264															
265															
266															
267	A3b - ES Appliances	Advanced Power Strip, Tier I	E21A3b001	Process											
268	A3b - ES Appliances	Advanced Power Strip, Tier II	E21A3b002	Process											
269	A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (cooling)	E21A3b003	HVAC											
270	A3c - ES HVAC Systems	Air Source Heat Pump - Lost Opportunity (heating)	E21A3b004	HVAC											
271	A3c - ES HVAC Systems	Mini Split HP - Lost Opportunity (cooling)	E21A3b005	HVAC	655	18.0	\$ 259,416	36.581	36.581	658.463	658.463	36.581	658.463	43.423	25.326
272	A3c - ES HVAC Systems	Mini Split HP- Lost Opportunity (heating)	E21A3b006	HVAC	655	18.0	\$ -	139.946	139.946	2,519.032	2,519.032	139.946	2,519.032	1,081.164	1,437.867
273	A3c - ES HVAC Systems	DHW Heat Pump Water Heater 50 gal	E21A3b007	Hot Water	54	13.0	\$ 38,099	51.894	51.894	674.622	674.622	51.894	674.622	263.985	222.401
274	A3c - ES HVAC Systems	DHW Heat Pump Water Heater 80 gal	E21A3b008	Hot Water	12	13.0	\$ 8,850	6.780	6.780	88.140	88.140	6.780	88.140	34.490	29.057
275	A3c - ES HVAC Systems	Heat Pump Swimming Pool Heater	E21A3b009	Hot Water											
276	A3b - ES Appliances	ES Clothes Dryers	E21A3b010	Envelope	249	12.0	\$ 9,960	39.940	39.940	479.275	479.275	39.940	479.275	186.631	143.564
277	A3b - ES Appliances	Dryer Heat Pump	E21A3b011	Envelope	25	12.0	\$ 5,000	10.528	10.528	126.330	126.330	10.528	126.330	49.193	37.841
278	A3b - ES Appliances	Dryer Hybrid	E21A3b012	Envelope	1	12.0	\$ 100	0.213	0.213	2.560	2.560	0.213	2.560	0.997	0.767
279	A3c - ES HVAC Systems	ECM Motor for FWH Circulating Pump - Midstream	E21A3b013	Motors/Drives	6	15.0	\$ 600	0.408	0.408	6.120	6.120	0.282	4.223	1.901	2.322
280	A3c - ES HVAC Systems	ECM Motors for FHA Furnace Fans	E21A3b014	Motors/Drives											
281	A3c - ES HVAC Systems	ES AC (central) 3 ton	E21A3b015	HVAC	10	18.0	\$ 2,133	1.024	1.024	18.434	18.434	1.024	18.434	1.216	0.709
282	A3c - ES HVAC Systems	Room Air Conditioner	E21A3b016	HVAC	118	9.0	\$ 2,360	3.894	3.894	35.046	35.046	3.894	35.046	1.011	0.755
283	A3b - ES Appliances	ES Clothes Washers	E21A3b017	Hot Water	249	11.0	\$ 6,225	22.079	22.079	242.867	242.867	22.079	242.867	88.504	72.626
284	A3b - ES Appliances	Washer Tier CEE Tier 2+	E21A3b018	Hot Water	153	11.0	\$ 7,650	21.252	21.252	233.769	233.769	21.252	233.769	85.188	69.905
285	A3b - ES Appliances	ES Dehumidifier	E21A3b019	HVAC	229	12.0	\$ 5,725	18.847	18.847	226.160	226.160	18.847	226.160	49.739	52.784
286	A3b - ES Appliances	ES Dishwasher	E21A3b020	Hot Water											
287	A3b - ES Appliances	ES Freezers	E21A3b021	Refrigeration											
288	A3b - ES Appliances	Refrigerator	E21A3b022	Refrigeration	239	12.0	\$ 9,560	10.564	10.564	126.766	126.766	10.564	126.766	36.759	40.502
289	A3b - ES Appliances	Refrigerator CEE Tier 2+	E21A3b023	Refrigeration	84	12.0	\$ 6,300	8.098	8.098	97.171	97.171	8.098	97.171	28.177	31.046
290	A3b - ES Appliances	ES Pool Pumps (Variable Speed)	E21A3b024	Envelope	102	10.0	\$ 50,538	130.968	130.968	1,309.680	1,309.680	130.968	1,309.680	63.574	31.204
291	A3b - ES Appliances	Room Air Purifier	E21A3b025	HVAC	103	9.0	\$ 4,130	40.222	39.015	361.994	351.134	39.015	351.134	107.096	126.759
292	A3c - ES HVAC Systems	Wifi Thermostat (Heating & Cooling)	E21A3b026	HVAC	43	15.0	\$ 4,300	1.978	1.978	29.670	29.670	1.978	29.670	7.538	8.801
293	A3b - ES Appliances	Primary Refrigerator Recycling	E21A3b027	Refrigeration	82	5.0	\$ 2,460	84.214	84.214	421.070	421.070	84.214	421.070	122.100	134.532
294	A3b - ES Appliances	Secondary Refrigerator Recycling	E21A3b028	Refrigeration	12	5.0	\$ 360	12.324	12.324	61.620	61.620	12.324	61.620	16.226	18.596
295	A3b - ES Appliances	Secondary Freezer Recycling	E21A3b029	Refrigeration	12	4.0	\$ 360	9.228	9.228	36.912	36.912	9.228	36.912	10.583	12.389
296	A3b - ES Appliances	Room Air Conditioner Recycling	E21A3b030	HVAC											
297	A3b - ES Appliances	TRC and EFI admin fee	0	Non-Energy Saving											
298	A3b - ES Appliances	ES Appliances Rebate Processing	0	Non-Energy Saving											
299	A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit Resistance	E21A3b031	HVAC											
300	A3c - ES HVAC Systems	Ductless Mini-split Heat Pump - Retrofit HP	E21A3b032	HVAC											
301	A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit HP	E21A3b033	HVAC											
302	A3c - ES HVAC Systems	Air-source Heat Pump - Retrofit Resistance	E21A3b034	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
303	A3b - ES Appliances	DHW Heat Pump Water Heater 50 gal - Midstre	E21A3b035	Hot Water											
304	A3b - ES Appliances	DHW Heat Pump Water Heater 80 gal - Midstre	E21A3b036	Hot Water											
305															
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320	A4a - Residential Behavior	Home Energy Reports	E21A4a001	Behavior	21,299	1.0	\$ 141,851	2,173.800	2,173.800	2,173.800	2,173.800	2,173.800	2,173.800	763.309	667.808
321															
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333	A5a - Residential Active De	Direct Load Control	E21A5a001	Behavior	532	1.0	\$ 21,023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
334	A5a - Residential Active De	Storage Daily Dispatch (savings)	E21A5a002	Behavior											
335	A5a - Residential Active De	Storage Daily Dispatch (consumption)	E21A5a003	Behavior											
336															
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346	C1a - LCI Retrofit	Custom Large Compressed Air Retro	E21C1a001	Compressed Air											
347	C1a - LCI Retrofit	Custom Large Hot Water Retro	E21C1a002	Hot Water											
348	C1a - LCI Retrofit	Custom Large HVAC Retro	E21C1a003	HVAC											
349	C1a - LCI Retrofit	Custom Large Lighting Retro - Interior	E21C1a004	Lighting											
350	C1a - LCI Retrofit	Custom Large Lighting Retro - Exterior (City)	E21C1a047	Lighting	2,195	10.0	\$ 324,455	722.673	742.185	7,226.729	7,421.850	697.654	6,976.539	1,367.402	3,809.190
351	C1a - LCI Retrofit	Custom Large Lighting Retro - Controls	E21C1a048	Lighting											
352	C1a - LCI Retrofit	Custom Large Motors Retro	E21C1a005	Motors/Drives											
353	C1a - LCI Retrofit	Hampton WWTF VFD 1	E21C1a006	Process	5	15.0	\$ 73,399	115.015	103.514	1,725.225	1,552.703	103.514	1,552.703	479.785	554.315
354	C1a - LCI Retrofit	Hampton WWTF VFD 2	E21C1a006	Process	5	15.0	\$ 15,094	24.330	21.897	364.950	328.455	21.897	328.455	119.229	99.522
355	C1a - LCI Retrofit	Concord WWTF Blowers	E21C1a006	Process	1	15.0	\$ 67,637	204.034	183.631	3,060.510	2,754.459	183.631	2,754.459	853.882	991.605
356	C1a - LCI Retrofit	Custom Large Refrigeration Retro	E21C1a007	Refrigeration	2	10.0	\$ 27,960	264.401	237.961	2,644.010	2,379.609	237.961	2,379.609	671.050	775.753
357	C1a - LCI Retrofit	Custom Large Other Retro	E21C1a008	Custom Measures											
358	C1a - LCI Retrofit	Daylight Dimming	E21C1a009	Lighting											
359	C1a - LCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C1a010	Lighting	202	10.0	\$ 12,120	35.160	35.125	351.601	351.250	33.017	330.175	66.365	104.335
360	C1a - LCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C1a011	Lighting	301	10.0	\$ 51,567	450.735	450.284	4,507.347	4,502.840	423.267	4,232.669	850.767	1,337.523
361	C1a - LCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C1a012	Lighting	5,342	10.0	\$ 170,847	660.675	654.068	6,606.752	6,540.684	614.824	6,148.243	1,862.918	1,069.794
362	C1a - LCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C1a013	Lighting	8,394	10.0	\$ 384,718	2,034.337	2,013.994	20,343.372	20,139.938	1,893.154	18,931.542	5,736.257	3,294.088
363	C1a - LCI Retrofit	Lighting Occupancy Sensors	E21C1a014	Lighting	1,139	10.0	\$ 13,011	43.209	42.777	432.087	427.766	40.210	402.100	125.857	76.399

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
364	C1a - LCI Retrofit	Boiler Reset Controls, Electric	E21C1a015	HVAC											
365	C1a - LCI Retrofit	Case Motor Replacement	E21C1a016	Refrigeration											
366	C1a - LCI Retrofit	Cooler Night Cover	E21C1a017	Refrigeration											
367	C1a - LCI Retrofit	Demand Control Ventilation	E21C1a018	HVAC											
368	C1a - LCI Retrofit	Door Heater Controls	E21C1a019	Refrigeration											
369	C1a - LCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C1a020	HVAC											
370	C1a - LCI Retrofit	Duct Sealing, Electric	E21C1a021	HVAC											
371	C1a - LCI Retrofit	Ductless Mini Split Heat Pump	E21C1a022	HVAC	4	12.0	\$ 1,200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
372	C1a - LCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler	E21C1a023	Refrigeration	13	15.0	\$ 1,300	5.327	5.322	79.905	79.825	5.322	79.825	18.041	21.792
373	C1a - LCI Retrofit	Electronic Defrost Control	E21C1a024	Refrigeration											
374	C1a - LCI Retrofit	Energy Management System, Electric	E21C1a025	HVAC											
375	C1a - LCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C1a026	HVAC											
376	C1a - LCI Retrofit	Evaporator Fan Control	E21C1a027	Refrigeration											
377	C1a - LCI Retrofit	Faucet Aerator, Electric	E21C1a028	Hot Water											
378	C1a - LCI Retrofit	Hotel Occupancy Sensor	E21C1a031	HVAC											
379	C1a - LCI Retrofit	Low Pressure Drop Filter	E21C1a032	Compressed Air											
380	C1a - LCI Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C1a033	Hot Water											
381	C1a - LCI Retrofit	Low-Flow Showerhead, Electric	E21C1a034	Hot Water											
382	C1a - LCI Retrofit	Motors, Open Drip	E21C1a035	Motors/Drives											
383	C1a - LCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C1a036	Motors/Drives											
384	C1a - LCI Retrofit	Novelty Cooler Shutoff	E21C1a037	Refrigeration											
385	C1a - LCI Retrofit	Pipe Wrap - Heating, Electric	E21C1a038												
386	C1a - LCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C1a039	Hot Water											
387	C1a - LCI Retrofit	Pre Rinse Spray Valve, Electric	E21C1a040	Hot Water											
388	C1a - LCI Retrofit	Programmable Thermostat, Electric	E21C1a041	HVAC											
389	C1a - LCI Retrofit	Steam Trap, Electric	E21C1a042	HVAC											
390	C1a - LCI Retrofit	Variable Frequency Drive	E21C1a043	Motors/Drives	15	15.0	\$ 45,884	556.839	526.769	8,352.579	7,901.540	526.769	7,901.540	1,872.665	2,149.219
391	C1a - LCI Retrofit	Variable Frequency Drive with Motor	E21C1a044	Motors/Drives											
392	C1a - LCI Retrofit	Vending Miser	E21C1a045	Refrigeration											
393	C1a - LCI Retrofit	Zero Loss Condensate Drain	E21C1a046	Compressed Air											
394	C1a - LCI Retrofit	CI Audits - Large Retro	0	Non-Energy Saving											
395	C1a - LCI Retrofit	Vendor Fees	0	Non-Energy Saving											
396	C1a - LCI Retrofit	Vendor Fees	0	Non-Energy Saving											
397	C1a - LCI Retrofit	Vendor Fees	0	Non-Energy Saving											
398	C1a - LCI Retrofit	Vendor Fees - TA Studies	0	Non-Energy Saving											
399															
400															
401															
402															
403															
404	C1b - LCI New Equipment	Custom Large Compressed Air New	E21C1b001	Compressed Air											
405	C1b - LCI New Equipment	Custom Large Hot Water New	E21C1b002	Hot Water											
406	C1b - LCI New Equipment	Custom Large HVAC New	e21c1b003	HVAC											
407	C1b - LCI New Equipment	Custom Large Lighting New - Interior	E21C1b004	Lighting											
408	C1b - LCI New Equipment	Custom Large Lighting New - Exterior	E21C1b054	Lighting											
409	C1b - LCI New Equipment	Custom Large Lighting New - Controls	E21C1b055	Lighting											
410	C1b - LCI New Equipment	Custom Large Motors New	E21C1b005	Motors/Drives											
411	C1b - LCI New Equipment	Custom Large Process New	E21C1b006	Process											
412	C1b - LCI New Equipment	Custom Large Refrigeration New	E21C1b007	Refrigeration											
413	C1b - LCI New Equipment	Custom VFD (City of Concord)	E21C1b008	Custom Measures	5	15.0	\$ 9,449	25.766	24.375	386.490	365.620	24.375	365.620	0.000	0.000
414	C1b - LCI New Equipment	Custom Large Comprehensive Design	E21C1b052	Custom Measures											
415	C1b - LCI New Equipment	Daylight Dimming	E21C1b009	Lighting											
416	C1b - LCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C1b010	Lighting											
417	C1b - LCI New Equipment	Performance Lighting - Exterior w/o Controls	E21C1b011	Lighting											
418	C1b - LCI New Equipment	Performance Lighting - Interior w/ Controls	E21C1b012	Lighting											
419	C1b - LCI New Equipment	Performance Lighting - Interior w/o Controls	E21C1b013	Lighting											
420	C1b - LCI New Equipment	Lighting Occupancy Sensors	E21C1b014	Lighting											
421	C1b - LCI New Equipment	Advanced Power Strip	E21C1b015	Process											
422	C1b - LCI New Equipment	Air Compressor	E21C1b016	Compressed Air											
423	C1b - LCI New Equipment	Air Nozzle	E21C1b017	Compressed Air											
424	C1b - LCI New Equipment	Circulator Pump	E21C1b018	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
425	C1b - LCI New Equipment	Combination Oven, Electric	E21C1b019	Food Service											
426	C1b - LCI New Equipment	Compressor Storage	E21C1b020	Compressed Air											
427	C1b - LCI New Equipment	Convection Oven, Electric	E21C1b021	Food Service											
428	C1b - LCI New Equipment	Dishwasher - High Temp Door Type	E21C1b022	Food Service											
429	C1b - LCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C1b023	Food Service											
430	C1b - LCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C1b024	Food Service											
431	C1b - LCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C1b025	Food Service											
432	C1b - LCI New Equipment	Dishwasher - High Temp Under Counter	E21C1b026	Food Service											
433	C1b - LCI New Equipment	Dishwasher - Low Temp Door Type	E21C1b027	Food Service											
434	C1b - LCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C1b028	Food Service											
435	C1b - LCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C1b029	Food Service											
436	C1b - LCI New Equipment	Dishwasher - Low Temp Under Counter	E21C1b030	Food Service											
437	C1b - LCI New Equipment	Faucet Aerator, Electric	E21C1b031	Hot Water											
438	C1b - LCI New Equipment	Fryer Large Vat, Electric	E21C1b032	Food Service											
439	C1b - LCI New Equipment	Fryer Standard Vat, Electric	E21C1b033	Food Service											
440	C1b - LCI New Equipment	Griddle, Electric	E21C1b034	Food Service											
441	C1b - LCI New Equipment	Ground Source Heat Pump	E21C1b035	HVAC											
442	C1b - LCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C1b036	Food Service											
443	C1b - LCI New Equipment	Hot Food Holding Cabinet Full Size	E21C1b037	Food Service											
444	C1b - LCI New Equipment	Hot Food Holding Cabinet Half Size	E21C1b038	Food Service											
445	C1b - LCI New Equipment	Ice Machine - Ice Making Head	E21C1b039	Food Service											
446	C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C1b040	Food Service											
447	C1b - LCI New Equipment	Ice Machine - Remote Cond./Split Unit - Contin	E21C1b041	Food Service											
448	C1b - LCI New Equipment	Ice Machine - Self Contained	E21C1b042	Food Service											
449	C1b - LCI New Equipment	Low Pressure Drop Filter	E21C1b043	Compressed Air											
450	C1b - LCI New Equipment	Low-Flow Showerhead With Thermostatic Valve	E21C1b044	Hot Water											
451	C1b - LCI New Equipment	Low-Flow Showerhead, Electric	E21C1b045	Hot Water											
452	C1b - LCI New Equipment	Pre Rinse Spray Valve, Electric	E21C1b046	Hot Water											
453	C1b - LCI New Equipment	Refrigerated Air Dryer	E21C1b047	Compressed Air											
454	C1b - LCI New Equipment	Steam Cooker, Electric	E21C1b048	Food Service											
455	C1b - LCI New Equipment	Unitary Air Conditioner	E21C1b049	HVAC											
456	C1b - LCI New Equipment	Water Source Heat Pump	E21C1b050	HVAC											
457	C1b - LCI New Equipment	Zero Loss Condensate Drain	E21C1b051	Compressed Air											
458	C1b - LCI New Equipment	High Efficiency Chiller - FL	E21C1b052	HVAC											
459	C1b - LCI New Equipment	High Efficiency Chiller - IPLV	E21C1b053	HVAC											
460	C1b - LCI New Equipment	CI Audits - Large New	0	Non-Energy Saving											
461	C1b - LCI New Equipment	C&I Large New Construction Code Compliance	E21C1b057	Behavior											
462															
463															
464															
465															
466															
467	C1c - LCI Midstream	Midstream Circulator Pump	E21C1c001	HVAC											
468	C1c - LCI Midstream	Midstream Demand Control Ventilation	E21C1c002	HVAC											
469	C1c - LCI Midstream	Midstream DMSHP Systems	E21C1c003	HVAC											
470	C1c - LCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C1c004	HVAC											
471	C1c - LCI Midstream	Midstream ECM Fan Motors	E21C1c005	HVAC											
472	C1c - LCI Midstream	Midstream Heat Pump Systems	E21C1c006	HVAC											
473	C1c - LCI Midstream	Midstream Unitary Air Conditioners	E21C1c007	HVAC											
474	C1c - LCI Midstream	Midstream VRF	E21C1c008	HVAC											
475	C1c - LCI Midstream	Midstream Water Source Heat Pump Systems	E21C1c009	HVAC											
476	C1c - LCI Midstream	Midstream LED Downlight	E21C1c010	Lighting	485	5.9	\$ 7,285	56.760	61.775	332.614	362.002	51.891	304.082	92.137	52.910
477	C1c - LCI Midstream	Midstream LED Exterior	E21C1c011	Lighting											
478	C1c - LCI Midstream	Midstream LED High Bay/Low Bay	E21C1c012	Lighting	4	12.6	\$ 320	3.806	2.832	47.800	35.564	2.378	29.873	9.052	5.198
479	C1c - LCI Midstream	Midstream LED Linear Fixture	E21C1c013	Lighting	271	11.0	\$ 8,875	23.259	25.633	255.617	281.712	21.532	236.638	71.701	41.175
480	C1c - LCI Midstream	Midstream LED Linear Fixture with Controls	E21C1c014	Lighting											
481	C1c - LCI Midstream	Midstream LED Linear Lamp	E21C1c015	Lighting	640	10.5	\$ 1,920	45.059	49.659	474.471	522.908	41.713	439.242	133.090	76.428
482	C1c - LCI Midstream	Midstream LED Screw In	E21C1c016	Lighting	303	4.7	\$ 1,026	33.711	41.207	158.103	193.260	30.081	141.080	42.747	24.548
483	C1c - LCI Midstream	Midstream LED Stairwell Kit	E21C1c017	Lighting											
484	C1c - LCI Midstream	Midstream Combination Oven, Electric	E21C1c018	Food Service											
485	C1c - LCI Midstream	Midstream Convection Oven, Electric	E21C1c019	Food Service											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
486	C1c - LCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C1c020	Food Service											
487	C1c - LCI Midstream	Midstream Dishwasher - High Temp Multi Tank	E21C1c021	Food Service											
488	C1c - LCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, U	E21C1c022	Food Service											
489	C1c - LCI Midstream	Midstream Dishwasher - High Temp Single Tank	E21C1c023	Food Service											
490	C1c - LCI Midstream	Midstream Dishwasher - High Temp Under Cou	E21C1c024	Food Service											
491	C1c - LCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C1c025	Food Service											
492	C1c - LCI Midstream	Midstream Dishwasher - Low Temp Multi Tank	E21C1c026	Food Service											
493	C1c - LCI Midstream	Midstream Dishwasher - Low Temp Single Tank	E21C1c027	Food Service											
494	C1c - LCI Midstream	Midstream Dishwasher - Low Temp Under Cour	E21C1c028	Food Service											
495	C1c - LCI Midstream	Midstream Freezer - Solid Door	E21C1c029	Food Service											
496	C1c - LCI Midstream	Midstream Freezer -Glass Door	E21C1c030	Food Service											
497	C1c - LCI Midstream	Midstream Fryer Large Vat, Electric	E21C1c031	Food Service											
498	C1c - LCI Midstream	Midstream Fryer Standard Vat, Electric	E21C1c032	Food Service											
499	C1c - LCI Midstream	Midstream Griddle, Electric	E21C1c033	Food Service											
500	C1c - LCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C1c034	Food Service											
501	C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C1c035	Food Service											
502	C1c - LCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C1c036	Food Service											
503	C1c - LCI Midstream	Midstream Ice Machine Ice Making Head	E21C1c037	Food Service											
504	C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit	E21C1c038	Food Service											
505	C1c - LCI Midstream	Midstream Ice Machine Remote Cond/Split Unit	E21C1c039	Food Service											
506	C1c - LCI Midstream	Midstream Ice Machine Self Contained	E21C1c040	Food Service											
507	C1c - LCI Midstream	Midstream Refrigerator - Glass Door	E21C1c041	Food Service											
508	C1c - LCI Midstream	Midstream Refrigerator - Solid Door	E21C1c042	Food Service											
509	C1c - LCI Midstream	Midstream Steam Cooker, Electric	E21C1c043	Food Service											
510	C1c - LCI Midstream	Midstream Heat Pump Water Heater, 120 gallon	E21C1c044	Hot Water											
511	C1c - LCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C1c045	Hot Water											
512	C1c - LCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C1c046	Hot Water											
513	C1c - LCI Midstream	Midstream Rebate Processing	0	Non-Energy Saving											
514	C1c - LCI Midstream	Midstream Lighting Mgmt Fee	0	Non-Energy Saving											
515															
516															
517															
518	C1d - LCI Direct Install	Custom Large Compressed Air Direct Install	E21C1d001	Compressed Air											
519	C1d - LCI Direct Install	Custom Large Hot Water Direct Install	E21C1d002	Hot Water											
520	C1d - LCI Direct Install	Custom Large HVAC Direct Install	E21C1d003	HVAC											
521	C1d - LCI Direct Install	Custom Large Lighting Direct Install - Interior	E21C1d004	Lighting											
522	C1d - LCI Direct Install	Custom Large Lighting Direct Install - Exterior	E21C1d005	Lighting											
523	C1d - LCI Direct Install	Custom Large Lighting Direct Install - Controls	E21C1d006	Lighting											
524	C1d - LCI Direct Install	Custom Large Motors Direct Install	E21C1d007	Motors/Drives											
525	C1d - LCI Direct Install	Custom Large Process Direct Install	E21C1d008	Process											
526	C1d - LCI Direct Install	Custom Large Refrigeration Direct Install	E21C1d009	Refrigeration											
527	C1d - LCI Direct Install	Custom Large Other Direct Install	E21C1d010	Custom Measures											
528	C1d - LCI Direct Install	Daylight Dimming	E21C1d011	Lighting											
529	C1d - LCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C1d012	Lighting											
530	C1d - LCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C1d013	Lighting											
531	C1d - LCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C1d014	Lighting											
532	C1d - LCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C1d015	Lighting											
533	C1d - LCI Direct Install	Lighting Occupancy Sensors	E21C1d016	Lighting											
534	C1d - LCI Direct Install	Boiler Reset Controls, Electric	E21C1d017	HVAC											
535	C1d - LCI Direct Install	Case Motor Replacement	E21C1d018	Refrigeration											
536	C1d - LCI Direct Install	Cooler Night Cover	E21C1d019	Refrigeration											
537	C1d - LCI Direct Install	Demand Control Ventilation	E21C1d020	HVAC											
538	C1d - LCI Direct Install	Door Heater Controls	E21C1d021	Refrigeration											
539	C1d - LCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C1d022	HVAC											
540	C1d - LCI Direct Install	Duct Sealing, Electric	E21C1d023	HVAC											
541	C1d - LCI Direct Install	Ductless Mini Split Heat Pump	E21C1d024	HVAC											
542	C1d - LCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler	E21C1d025	Refrigeration											
543	C1d - LCI Direct Install	Electronic Defrost Control	E21C1d026	Refrigeration											
544	C1d - LCI Direct Install	Energy Management System, Electric	E21C1d027	HVAC											
545	C1d - LCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C1d028	HVAC											
546	C1d - LCI Direct Install	Evaporator Fan Control	E21C1d029	Refrigeration											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
547	C1d - LCI Direct Install	Faucet Aerator, Electric	E21C1d030	Hot Water											
548	C1d - LCI Direct Install	Hotel Occupancy Sensor	E21C1d031	HVAC											
549	C1d - LCI Direct Install	Low Pressure Drop Filter	E21C1d032	Compressed Air											
550	C1d - LCI Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C1d033	Hot Water											
551	C1d - LCI Direct Install	Low-Flow Showerhead, Electric	E21C1d034	Hot Water											
552	C1d - LCI Direct Install	Motors, Open Drip	E21C1d035	Motors/Drives											
553	C1d - LCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C1d036	Motors/Drives											
554	C1d - LCI Direct Install	Novelty Cooler Shutoff	E21C1d037	Refrigeration											
555	C1d - LCI Direct Install	Pipe Wrap - Heating, Electric	E21C1d038	HVAC											
556	C1d - LCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C1d039	Hot Water											
557	C1d - LCI Direct Install	Pre Rinse Spray Valve, Electric	E21C1d040	Hot Water											
558	C1d - LCI Direct Install	Programmable Thermostat, Electric	E21C1d041	HVAC											
559	C1d - LCI Direct Install	Steam Trap, Electric	E21C1d042	HVAC											
560	C1d - LCI Direct Install	Variable Frequency Drive	E21C1d043	Motors/Drives											
561	C1d - LCI Direct Install	Variable Frequency Drive with Motor	E21C1d044	Motors/Drives											
562	C1d - LCI Direct Install	Vending Miser	E21C1d045	Refrigeration											
563	C1d - LCI Direct Install	Zero Loss Condensate Drain	E21C1d046	Compressed Air											
564	C1d - LCI Direct Install	CI Audits - Large Direct Install	0	Non-Energy Saving											
565	C1d - LCI Direct Install	Vendor Fees	0	Non-Energy Saving											
566															
567															
568															
569															
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574															
575															
576	C2a - SCI Retrofit	Custom Small Compressed Air Retro	E21C2a001	Compressed Air											
577	C2a - SCI Retrofit	Custom Small Hot Water Retro	E21C2a002	Hot Water											
578	C2a - SCI Retrofit	Buddefly RTU Controller	E21C2a003	HVAC	1	10.0	\$ 275	1.719	1.547	17.190	15.471	1.547	15.471	4.084	2.568
579	C2a - SCI Retrofit	Taylor Rental WxN	E21C2a003	HVAC	1	20.0	\$ 4,597	8.726	7.853	174.520	157.068	7.853	157.068	81.675	50.262
580	C2a - SCI Retrofit	Custom Small Lighting Retro - Interior	E21C2a004	Lighting											
581	C2a - SCI Retrofit	Custom Small Lighting Retro - Exterior	E21C2a047	Lighting	8	9.0	\$ 107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
582	C2a - SCI Retrofit	Custom Small Lighting Retro - Controls	E21C2a048	Lighting	142	9.0	\$ 1,469	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
583	C2a - SCI Retrofit	Custom Aquarium Pool Pumps	E21C2a005	Motors/Drives	1	10.0	\$ 628	2.888	2.888	28.880	28.880	2.888	28.880	14.440	0.000
584	C2a - SCI Retrofit	Custom Small Process Retro	E21C2a006	Process											
585	C2a - SCI Retrofit	Custom Small Refrigeration Retro	E21C2a007	Refrigeration											
586	C2a - SCI Retrofit	Custom Small Other Retro	E21C2a008	Custom Measures											
587	C2a - SCI Retrofit	Daylight Dimming	E21C2a009	Lighting	313	9.0	\$ 2,837	5.857	5.857	52.713	52.713	5.506	49.550	15.509	9.415
588	C2a - SCI Retrofit	Lighting Fixture - Exterior w/ Controls	E21C2a010	Lighting											
589	C2a - SCI Retrofit	Lighting Fixture - Exterior w/o Controls	E21C2a011	Lighting	752	10.0	\$ 105,150	502.057	515.612	5,020.569	5,156.124	484.676	4,846.756	974.198	1,531.575
590	C2a - SCI Retrofit	Lighting Fixture - Interior w/ Controls	E21C2a012	Lighting	274	12.560	\$ 22,577	53.356	56.877	670.147	714.377	53.464	671.514	203.469	116.843
591	C2a - SCI Retrofit	Lighting Fixture - Interior w/o Controls	E21C2a013	Lighting	8,612	11.0	\$ 572,885	1,606.993	1,713.054	17,660.851	18,826.467	1,610.271	17,696.879	5,362.154	3,079.257
592	C2a - SCI Retrofit	Lighting Occupancy Sensors	E21C2a014	Lighting	275	10.0	\$ 12,274	15.140	15.140	151.395	151.395	14.231	142.312	44.544	27.039
593	C2a - SCI Retrofit	Boiler Reset Controls, Electric	E21C2a015	HVAC											
594	C2a - SCI Retrofit	Case Motor Replacement	E21C2a016	Refrigeration											
595	C2a - SCI Retrofit	Cooler Night Cover	E21C2a017	HVAC											
596	C2a - SCI Retrofit	Demand Control Ventilation	E21C2a018	HVAC	1	10.0	\$ 39	0.129	0.129	1.290	1.290	0.129	1.290	1.174	0.000
597	C2a - SCI Retrofit	Door Heater Controls	E21C2a019	Refrigeration											
598	C2a - SCI Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C2a020	HVAC	2	10.0	\$ 500	4.144	4.144	41.440	41.440	4.144	41.440	10.940	6.879
599	C2a - SCI Retrofit	Duct Sealing, Electric	E21C2a021	HVAC											
600	C2a - SCI Retrofit	Ductless Mini Split Heat Pump	E21C2a022	HVAC	14	12.0	\$ 2,469	8.734	8.734	104.808	104.808	8.734	104.808	27.669	17.398
601	C2a - SCI Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler	E21C2a023	Refrigeration	12	15.0	\$ 2,188	5.161	5.161	77.415	77.415	5.161	77.415	17.496	21.134
602	C2a - SCI Retrofit	Electronic Defrost Control	E21C2a024	Refrigeration											
603	C2a - SCI Retrofit	Energy Management System, Electric	E21C2a025	HVAC											
604	C2a - SCI Retrofit	Energy Star Wifi Thermostat, Electric	E21C2a026	HVAC											
605	C2a - SCI Retrofit	Evaporator Fan Control	E21C2a027	Refrigeration	4	10.0	\$ 4,591	10.999	10.999	109.990	109.990	10.999	109.990	24.858	30.027
606	C2a - SCI Retrofit	Faucet Aerator, Electric	E21C2a028	Hot Water											
607	C2a - SCI Retrofit	Hotel Occupancy Sensor	E21C2a031	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
608	C2a - SCI Retrofit	Low Pressure Drop Filter	E21C2a032	Compressed Air											
609	C2a - SCI Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C2a033	Hot Water											
610	C2a - SCI Retrofit	Low-Flow Showerhead, Electric	E21C2a034	Hot Water											
611	C2a - SCI Retrofit	Motors, Open Drip	E21C2a035	Motors/Drives											
612	C2a - SCI Retrofit	Motors, Totally Enclosed Fan Cooled	E21C2a036	Motors/Drives											
613	C2a - SCI Retrofit	Novelty Cooler Shutoff	E21C2a037	Refrigeration	7	10.0	\$ 1,596	6.440	6.440	64.400	64.400	6.440	64.400	14.554	17.581
614	C2a - SCI Retrofit	Pipe Wrap - Heating, Electric	E21C2a038	HVAC											
615	C2a - SCI Retrofit	Pipe Wrap - Hot Water, Electric	E21C2a039	Hot Water											
616	C2a - SCI Retrofit	Pre Rinse Spray Valve, Electric	E21C2a040	Hot Water											
617	C2a - SCI Retrofit	Programmable Thermostat, Electric	E21C2a041	HVAC	1	15.0	\$ 25	0.105	0.105	1.571	1.571	0.105	1.571	0.677	0.893
618	C2a - SCI Retrofit	Steam Trap, Electric	E21C2a042	HVAC											
619	C2a - SCI Retrofit	Variable Frequency Drive	E21C2a043	Motors/Drives	3	15.0	\$ 1,800	11.339	11.339	170.085	170.085	11.339	170.085	40.310	46.263
620	C2a - SCI Retrofit	Variable Frequency Drive with Motor	E21C2a044	Motors/Drives	6	15.0	\$ 3,000	20.400	19.298	306.000	289.476	19.298	289.476	68.606	78.737
621	C2a - SCI Retrofit	Vending Miser	E21C2a045	Refrigeration											
622	C2a - SCI Retrofit	Zero Loss Condensate Drain	E21C2a046	Compressed Air											
623	C2a - SCI Retrofit	CI Audits - Small Retro	0	Non-Energy Saving											
624	C2a - SCI Retrofit	Vendor Fees	0	Non-Energy Saving											
625	C2a - SCI Retrofit	Vendor Fees	0	Non-Energy Saving											
626	C2a - SCI Retrofit	Vendor Fees	0	Non-Energy Saving											
627	C2a - SCI Retrofit	Vendor Fees - TA Studies	0	Non-Energy Saving											
628															
629															
630															
631															
632															
633	C2b - SCI New Equipment	Custom Small Compressed Air New	E21C2b001	Compressed Air											
634	C2b - SCI New Equipment	Custom Small Hot Water New	E21C2b002	Hot Water											
635	C2b - SCI New Equipment	DOT Controls	E21C2b003	HVAC	1	15.0	\$ 638	2.872	2.585	43.080	38.772	2.585	38.772	10.236	6.436
636	C2b - SCI New Equipment	Custom Central AC	E21C2b003	HVAC	1	12.0	\$ 3,134	10.448	9.403	125.376	112.838	9.403	112.838	29.789	18.731
637	C2b - SCI New Equipment	Custom Small HVAC New	E21C2b003	HVAC	2	10.0	\$ 800	3.334	3.001	33.340	30.006	3.001	30.006	7.922	4.981
638	C2b - SCI New Equipment	Custom Small Lighting New - Interior	E21C2b004	Lighting											
639	C2b - SCI New Equipment	Custom Small Lighting New - Exterior	E21C2b054	Lighting											
640	C2b - SCI New Equipment	Custom Small Lighting New - Controls	E21C2b055	Lighting											
641	C2b - SCI New Equipment	Custom Small Motors New	E21C2b005	Motors/Drives											
642	C2b - SCI New Equipment	Custom Small Process New	E21C2b006	Process											
643	C2b - SCI New Equipment	Custom Small Refrigeration New	E21C2b007	Refrigeration											
644	C2b - SCI New Equipment	Custom Small Other New	E21C2b008	Custom Measures	1	12.0	\$ 75	0.044	0.044	0.530	0.530	0.044	0.530	0.154	0.169
645	C2b - SCI New Equipment	Custom Small Comprehensive Design	E21C2b052	Custom Measures											
646	C2b - SCI New Equipment	Daylight Dimming	E21C2b009	Lighting											
647	C2b - SCI New Equipment	Interior Lighting	NewIntLED	Lighting	303	15.0	\$ 16,600	57.113	61.111	856.695	916.664	61.111	916.664	339.166	265.832
648	C2b - SCI New Equipment	Exterior Lighting	NewExtLED	Lighting	24	15.000	\$ 1,600	20.723	21.345	310.845	320.170	21.345	320.170	100.213	131.270
649	C2b - SCI New Equipment	Performance Lighting - Exterior w/ Controls	E21C2b010	Lighting											
650	C2b - SCI New Equipment	Performance Lighting - Exterior w/o Controls	E21C2b011	Lighting	20	15.000	\$ 2,532	8.204	8.425	123.059	126.381	7.920	118.798	23.878	37.540
651	C2b - SCI New Equipment	Performance Lighting - Interior w/ Controls	E21C2b012	Lighting											
652	C2b - SCI New Equipment	Performance Lighting - Interior w/o Controls	E21C2b013	Lighting	226	15.000	\$ 17,553	53.184	56.694	797.762	850.414	53.293	799.389	242.215	139.094
653	C2b - SCI New Equipment	Lighting Occupancy Sensors	E21C2b014	Lighting											
654	C2b - SCI New Equipment	Advanced Power Strip	E21C2b015	Process											
655	C2b - SCI New Equipment	Air Compressor	E21C2b016	Compressed Air	1	15.000	\$ 4,146	18.900	18.900	283.500	283.500	18.900	283.500	73.427	67.757
656	C2b - SCI New Equipment	Air Nozzle	E21C2b017	Compressed Air											
657	C2b - SCI New Equipment	Circulator Pump	E21C2b018	HVAC											
658	C2b - SCI New Equipment	Combination Oven, Electric	E21C2b019	Food Service											
659	C2b - SCI New Equipment	Compressor Storage	E21C2b020	Compressed Air											
660	C2b - SCI New Equipment	Convection Oven, Electric	E21C2b021	Food Service											
661	C2b - SCI New Equipment	Dishwasher - High Temp Door Type	E21C2b022	Food Service											
662	C2b - SCI New Equipment	Dishwasher - High Temp Multi Tank Conveyor	E21C2b023	Food Service											
663	C2b - SCI New Equipment	Dishwasher - High Temp Pot, Pan, Utensil	E21C2b024	Food Service											
664	C2b - SCI New Equipment	Dishwasher - High Temp Single Tank Conveyor	E21C2b025	Food Service											
665	C2b - SCI New Equipment	Dishwasher - High Temp Under Counter	E21C2b026	Food Service											
666	C2b - SCI New Equipment	Dishwasher - Low Temp Door Type	E21C2b027	Food Service											
667	C2b - SCI New Equipment	Dishwasher - Low Temp Multi Tank Conveyor	E21C2b028	Food Service											
668	C2b - SCI New Equipment	Dishwasher - Low Temp Single Tank Conveyor	E21C2b029	Food Service											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
669	C2b - SCI New Equipment	Dishwasher - Low Temp Under Counter	E21C2b030	Food Service											
670	C2b - SCI New Equipment	Faucet Aerator, Electric	E21C2b031	Hot Water											
671	C2b - SCI New Equipment	Fryer Large Vat, Electric	E21C2b032	Food Service											
672	C2b - SCI New Equipment	Fryer Standard Vat, Electric	E21C2b033	Food Service											
673	C2b - SCI New Equipment	Griddle, Electric	E21C2b034	Food Service											
674	C2b - SCI New Equipment	Ground Source Heat Pump	E21C2b035	HVAC											
675	C2b - SCI New Equipment	Hot Food Holding Cabinet 3/4 Size	E21C2b036	Food Service											
676	C2b - SCI New Equipment	Hot Food Holding Cabinet Full Size	E21C2b037	Food Service											
677	C2b - SCI New Equipment	Hot Food Holding Cabinet Half Size	E21C2b038	Food Service											
678	C2b - SCI New Equipment	Ice Machine - Ice Making Head	E21C2b039	Food Service											
679	C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Batch	E21C2b040	Food Service											
680	C2b - SCI New Equipment	Ice Machine - Remote Cond./Split Unit - Contin	E21C2b041	Food Service											
681	C2b - SCI New Equipment	Ice Machine - Self Contained	E21C2b042	Food Service											
682	C2b - SCI New Equipment	Low Pressure Drop Filter	E21C2b043	Compressed Air											
683	C2b - SCI New Equipment	Low-Flow Showerhead With Thermostatic Valve	E21C2b044	Hot Water											
684	C2b - SCI New Equipment	Low-Flow Showerhead, Electric	E21C2b045	Hot Water											
685	C2b - SCI New Equipment	Pre Rinse Spray Valve, Electric	E21C2b046	Hot Water											
686	C2b - SCI New Equipment	Refrigerated Air Dryer	E21C2b047	Compressed Air											
687	C2b - SCI New Equipment	Steam Cooker, Electric	E21C2b048	Food Service											
688	C2b - SCI New Equipment	Unitary Air Conditioner	E21C2b049	HVAC	27	12.000	\$ 18,861	28.807	28.807	345.686	345.686	28.807	345.686	29.729	15.902
689	C2b - SCI New Equipment	Water Source Heat Pump	E21C2b050	HVAC											
690	C2b - SCI New Equipment	Zero Loss Condensate Drain	E21C2b051	Compressed Air											
691	C2b - SCI New Equipment	High Efficiency Chiller - FL	E21C2b052	HVAC											
692	C2b - SCI New Equipment	High Efficiency Chiller - IPLV	E21C2b053	HVAC											
693	C2b - SCI New Equipment	CI Audits - Small New	0	Non-Energy Saving											
694	C2b - SCI New Equipment	Vendor Costs - Small New	0	Non-Energy Saving											
695	C2b - SCI New Equipment	C&I Small New Construction Code Compliance	E21C2b057	Behavior											
696															
697															
698															
699															
700	C2c - SCI Midstream	Midstream Circulator Pump	E21C2c001	HVAC	3	20.000	\$ 1,000	3.253	2.798	65.060	55.952	2.406	48.118	12.703	7.988
701	C2c - SCI Midstream	Midstream Demand Control Ventilation	E21C2c002	HVAC											
702	C2c - SCI Midstream	Midstream DMSHP Systems	E21C2c003	HVAC	2	12.000	\$ 365	1.449	1.246	17.388	14.954	1.072	12.860	3.395	2.135
703	C2c - SCI Midstream	Midstream Dual Enthalpy Economizer Controls	E21C2c004	HVAC	1	10.000	\$ 250	2.072	1.782	20.720	17.819	1.532	15.325	4.046	2.544
704	C2c - SCI Midstream	Midstream ECM Fan Motors	E21C2c005	HVAC											
705	C2c - SCI Midstream	Midstream Heat Pump Systems	E21C2c006	HVAC											
706	C2c - SCI Midstream	Midstream Unitary Air Conditioners	E21C2c007	HVAC	10	12.000	\$ 15,040	35.531	30.557	426.372	366.680	26.279	315.345	27.120	14.506
707	C2c - SCI Midstream	Midstream VRF	E21C2c008	HVAC	1	12.000	\$ 2,013	6.900	5.934	82.800	71.208	5.103	61.239	16.167	10.166
708	C2c - SCI Midstream	Midstream Water Source Heat Pump Systems	E21C2c009	HVAC											
709	C2c - SCI Midstream	Midstream LED Downlight	E21C2c010	Lighting	2,930	5.860	\$ 43,950	359.824	391.616	2,108.570	2,294.869	328.957	1,927.690	584.090	335.418
710	C2c - SCI Midstream	Midstream LED Exterior	E21C2c011	Lighting	504	9.740	\$ 30,335	264.679	249.988	2,577.974	2,434.884	209.990	2,045.302	411.106	646.316
711	C2c - SCI Midstream	Midstream LED High Bay/Low Bay	E21C2c012	Lighting	1,875	12.560	\$ 208,915	1,959.410	1,457.825	24,610.189	18,310.276	1,224.573	15,380.632	4,660.331	2,676.230
712	C2c - SCI Midstream	Midstream LED Linear Fixture	E21C2c013	Lighting	909	10.990	\$ 28,040	129.051	142.225	1,418.268	1,563.052	119.469	1,312.963	397.828	228.456
713	C2c - SCI Midstream	Midstream LED Linear Fixture with Controls	E21C2c014	Lighting											
714	C2c - SCI Midstream	Midstream LED Linear Lamp	E21C2c015	Lighting	4	10.530	\$ 12	0.343	0.378	3.610	3.979	0.317	3.342	1.013	0.582
715	C2c - SCI Midstream	Midstream LED Screw In	E21C2c016	Lighting	4,809	4.690	\$ 11,067	417.752	510.647	1,959.259	2,394.936	372.773	1,748.303	529.736	304.205
716	C2c - SCI Midstream	Midstream LED Stairwell Kit	E21C2c017	Lighting											
717	C2c - SCI Midstream	Midstream Combination Oven, Electric	E21C2c018	Food Service											
718	C2c - SCI Midstream	Midstream Convection Oven, Electric	E21C2c019	Food Service	3	12.000	\$ 1,500	8.361	7.190	100.332	86.286	6.184	74.206	23.746	25.972
719	C2c - SCI Midstream	Midstream Dishwasher - High Temp Door Type	E21C2c020	Food Service	1	15.000	\$ 250	4.151	3.570	62.265	53.548	3.070	46.051	14.736	16.118
720	C2c - SCI Midstream	Midstream Dishwasher - High Temp Multi Tank	E21C2c021	Food Service											
721	C2c - SCI Midstream	Midstream Dishwasher - High Temp Pot, Pan, U	E21C2c022	Food Service											
722	C2c - SCI Midstream	Midstream Dishwasher - High Temp Single Tan	E21C2c023	Food Service	1	20.000	\$ 1,025	4.243	3.649	84.860	72.980	3.138	62.762	20.084	21.967
723	C2c - SCI Midstream	Midstream Dishwasher - High Temp Under Cou	E21C2c024	Food Service	1	10.000	\$ 250	1.791	1.540	17.910	15.403	1.325	13.246	4.239	4.636
724	C2c - SCI Midstream	Midstream Dishwasher - Low Temp Door Type	E21C2c025	Food Service											
725	C2c - SCI Midstream	Midstream Dishwasher - Low Temp Multi Tank	E21C2c026	Food Service											
726	C2c - SCI Midstream	Midstream Dishwasher - Low Temp Single Tank	E21C2c027	Food Service											
727	C2c - SCI Midstream	Midstream Dishwasher - Low Temp Under Cour	E21C2c028	Food Service											
728	C2c - SCI Midstream	Midstream Freezer - Solid Door	E21C2c029	Food Service	5	12.000	\$ 900	2.540	2.184	30.480	26.213	1.879	22.543	5.095	6.154
729	C2c - SCI Midstream	Midstream Freezer -Glass Door	E21C2c030	Food Service											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
730	C2c - SCI Midstream	Midstream Fryer Large Vat, Electric	E21C2c031	Food Service											
731	C2c - SCI Midstream	Midstream Fryer Standard Vat, Electric	E21C2c032	Food Service											
732	C2c - SCI Midstream	Midstream Griddle, Electric	E21C2c033	Food Service											
733	C2c - SCI Midstream	Midstream Hot Food Holding Cabinet 3/4 Size	E21C2c034	Food Service											
734	C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Full Size	E21C2c035	Food Service											
735	C2c - SCI Midstream	Midstream Hot Food Holding Cabinet Half Size	E21C2c036	Food Service											
736	C2c - SCI Midstream	Midstream Ice Machine Ice Making Head	E21C2c037	Food Service	2	8.000	\$ 500	2.234	1.921	17.872	15.370	1.652	13.218	2.987	3.609
737	C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit	E21C2c038	Food Service											
738	C2c - SCI Midstream	Midstream Ice Machine Remote Cond/Split Unit	E21C2c039	Food Service											
739	C2c - SCI Midstream	Midstream Ice Machine Self Contained	E21C2c040	Food Service	1	8.000	\$ 100	0.805	0.692	6.440	5.538	0.595	4.763	1.076	1.300
740	C2c - SCI Midstream	Midstream Refrigerator - Glass Door	E21C2c041	Food Service											
741	C2c - SCI Midstream	Midstream Refrigerator - Solid Door	E21C2c042	Food Service	4	12.000	\$ 750	0.915	0.787	10.980	9.443	0.677	8.121	1.835	2.217
742	C2c - SCI Midstream	Midstream Steam Cooker, Electric	E21C2c043	Food Service											
743	C2c - SCI Midstream	Midstream Heat Pump Water Heater, 120 gallons	E21C2c044	Hot Water											
744	C2c - SCI Midstream	Midstream Heat Pump Water Heater, 50 gallons	E21C2c045	Hot Water											
745	C2c - SCI Midstream	Midstream Heat Pump Water Heater, 80 gallons	E21C2c046	Hot Water											
746	C2c - SCI Midstream	Midstream Rebate Processing	0	Non-Energy Saving											
747	C2c - SCI Midstream	Midstream Lighting Mgmt Fee	0	Non-Energy Saving											
748															
749															
750															
751	C2d - SCI Direct Install	Custom Small Compressed Air Direct Install	E21C2d001	Compressed Air											
752	C2d - SCI Direct Install	Custom Small Hot Water Direct Install	E21C2d002	Hot Water											
753	C2d - SCI Direct Install	Custom Small HVAC Direct Install	E21C2d003	HVAC											
754	C2d - SCI Direct Install	Custom Small Lighting Direct Install - Interior	E21C2d004	Lighting											
755	C2d - SCI Direct Install	Custom Small Lighting Direct Install - Exterior	E21C2d005	Lighting											
756	C2d - SCI Direct Install	Custom Small Lighting Direct Install - Controls	E21C2d006	Lighting											
757	C2d - SCI Direct Install	Custom Small Motors Direct Install	E21C2d007	Motors/Drives											
758	C2d - SCI Direct Install	Custom Small Process Direct Install	E21C2d008	Process											
759	C2d - SCI Direct Install	Custom Small Refrigeration Direct Install	E21C2d009	Refrigeration											
760	C2d - SCI Direct Install	Custom Small Other Direct Install	E21C2d010	Custom Measures											
761	C2d - SCI Direct Install	Daylight Dimming	E21C2d011	Lighting											
762	C2d - SCI Direct Install	Lighting Fixture - Exterior w/ Controls	E21C2d012	Lighting											
763	C2d - SCI Direct Install	Lighting Fixture - Exterior w/o Controls	E21C2d013	Lighting											
764	C2d - SCI Direct Install	Lighting Fixture - Interior w/ Controls	E21C2d014	Lighting											
765	C2d - SCI Direct Install	Lighting Fixture - Interior w/o Controls	E21C2d015	Lighting											
766	C2d - SCI Direct Install	Lighting Occupancy Sensors	E21C2d016	Lighting											
767	C2d - SCI Direct Install	Boiler Reset Controls, Electric	E21C2d017	HVAC											
768	C2d - SCI Direct Install	Case Motor Replacement	E21C2d018	Refrigeration											
769	C2d - SCI Direct Install	Cooler Night Cover	E21C2d019	HVAC											
770	C2d - SCI Direct Install	Demand Control Ventilation	E21C2d020	HVAC											
771	C2d - SCI Direct Install	Door Heater Controls	E21C2d021	Refrigeration											
772	C2d - SCI Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C2d022	HVAC											
773	C2d - SCI Direct Install	Duct Sealing, Electric	E21C2d023	HVAC											
774	C2d - SCI Direct Install	Ductless Mini Split Heat Pump	E21C2d024	HVAC											
775	C2d - SCI Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler	E21C2d025	Refrigeration											
776	C2d - SCI Direct Install	Electronic Defrost Control	E21C2d026	Refrigeration											
777	C2d - SCI Direct Install	Energy Management System, Electric	E21C2d027	HVAC											
778	C2d - SCI Direct Install	Energy Star Wifi Thermostat, Electric	E21C2d028	HVAC											
779	C2d - SCI Direct Install	Evaporator Fan Control	E21C2d029	Refrigeration											
780	C2d - SCI Direct Install	Faucet Aerator, Electric	E21C2d030	Hot Water											
781	C2d - SCI Direct Install	Hotel Occupancy Sensor	E21C2d031	HVAC											
782	C2d - SCI Direct Install	Low Pressure Drop Filter	E21C2d032	Compressed Air											
783	C2d - SCI Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C2d033	Hot Water											
784	C2d - SCI Direct Install	Low-Flow Showerhead, Electric	E21C2d034	Hot Water											
785	C2d - SCI Direct Install	Motors, Open Drip	E21C2d035	Motors/Drives											
786	C2d - SCI Direct Install	Motors, Totally Enclosed Fan Cooled	E21C2d036	Motors/Drives											
787	C2d - SCI Direct Install	Novelty Cooler Shutoff	E21C2d037	Refrigeration											
788	C2d - SCI Direct Install	Pipe Wrap - Heating, Electric	E21C2d038	HVAC											
789	C2d - SCI Direct Install	Pipe Wrap - Hot Water, Electric	E21C2d039	Hot Water											
790	C2d - SCI Direct Install	Pre Rinse Spray Valve, Electric	E21C2d040	Hot Water											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
791	C2d - SCI Direct Install	Programmable Thermostat, Electric	E21C2d041	HVAC											
792	C2d - SCI Direct Install	Steam Trap, Electric	E21C2d042	HVAC											
793	C2d - SCI Direct Install	Variable Frequency Drive	E21C2d043	Motors/Drives											
794	C2d - SCI Direct Install	Variable Frequency Drive with Motor	E21C2d044	Motors/Drives											
795	C2d - SCI Direct Install	Vending Miser	E21C2d045	Refrigeration											
796	C2d - SCI Direct Install	Zero Loss Condensate Drain	E21C2d046	Compressed Air											
797	C2d - SCI Direct Install	CI Audits - Small Direct Install	0	Non-Energy Saving											
798	C2d - SCI Direct Install	Vendor Fees	0	Non-Energy Saving											
799															
800															
801															
802															
803															
804															
805															
806															
807															
808															
809	C3a - Muni Retrofit	Custom Muni Compressed Air Retro	E21C3a001	Compressed Air											
810	C3a - Muni Retrofit	Custom Muni Hot Water Retro	E21C3a002	Hot Water											
811	C3a - Muni Retrofit	Custom Muni HVAC Retro	E21C3a003	HVAC											
812	C3a - Muni Retrofit	Custom Muni Lighting Retro - Interior	E21C3a004	Lighting											
813	C3a - Muni Retrofit	Custom Muni Lighting Retro - Exterior	E21C3a009	Lighting											
814	C3a - Muni Retrofit	Custom Muni Lighting Retro - Controls	E21C3a092	Lighting											
815	C3a - Muni Retrofit	Custom Muni Motors Retro	E21C3a005	Motors/Drives											
816	C3a - Muni Retrofit	Custom Muni Process Retro	E21C3a006	Process											
817	C3a - Muni Retrofit	Custom Muni Refrigeration Retro	E21C3a007	Refrigeration											
818	C3a - Muni Retrofit	Custom Muni Other Retro	E21C3a008	Custom Measures											
819	C3a - Muni Retrofit	Daylight Dimming	E21C3a009	Lighting											
820	C3a - Muni Retrofit	Lighting Fixture - Exterior w/ Controls	E21C3a010	Lighting											
821	C3a - Muni Retrofit	Lighting Fixture - Exterior w/o Controls	E21C3a011	Lighting	20	10.0	\$ 1,234	6.977	7.165	69.770	71.654	6.735	67.355	13.538	21.284
822	C3a - Muni Retrofit	Lighting Fixture - Interior w/ Controls	E21C3a012	Lighting	818	10.0	\$ 57,499	142.261	151.650	1,422.612	1,516.505	142.551	1,425.515	431.931	248.040
823	C3a - Muni Retrofit	Lighting Fixture - Interior w/o Controls	E21C3a013	Lighting	3,102	10.0	\$ 111,837	297.982	317.649	2,979.819	3,176.488	298.590	2,985.898	904.727	519.546
824	C3a - Muni Retrofit	Lighting Occupancy Sensors	E21C3a014	Lighting											
825	C3a - Muni Retrofit	Air Sealing, Electric	E21C3a015	HVAC											
826	C3a - Muni Retrofit	Air Sealing, Gas	E21C3a016	HVAC											
827	C3a - Muni Retrofit	Air Sealing, Oil	E21C3a017	HVAC											
828	C3a - Muni Retrofit	Air Sealing, Propane	E21C3a018	HVAC											
829	C3a - Muni Retrofit	Boiler Reset Controls, Gas	E21C3a019	HVAC											
830	C3a - Muni Retrofit	Boiler Reset Controls, Oil	E21C3a020	HVAC											
831	C3a - Muni Retrofit	Boiler Reset Controls, Propane	E21C3a021	HVAC											
832	C3a - Muni Retrofit	Case Motor Replacement	E21C3a022	Refrigeration											
833	C3a - Muni Retrofit	Cooler Night Cover	E21C3a023	Refrigeration											
834	C3a - Muni Retrofit	Demand Control Ventilation	E21C3a024	HVAC											
835	C3a - Muni Retrofit	Door Heater Controls	E21C3a025	Refrigeration											
836	C3a - Muni Retrofit	Dual Enthalpy Economizer Controls (DEEC)	E21C3a026	HVAC											
837	C3a - Muni Retrofit	Duct Insulation, Electric	E21C3a027	HVAC											
838	C3a - Muni Retrofit	Duct Insulation, Gas	E21C3a028	HVAC											
839	C3a - Muni Retrofit	Duct Insulation, Oil	E21C3a029	HVAC											
840	C3a - Muni Retrofit	Duct Insulation, Propane	E21C3a030	HVAC											
841	C3a - Muni Retrofit	Duct Sealing, Electric	E21C3a031	HVAC											
842	C3a - Muni Retrofit	Duct Sealing, Gas	E21C3a032	HVAC											
843	C3a - Muni Retrofit	Duct Sealing, Oil	E21C3a033	HVAC											
844	C3a - Muni Retrofit	Duct Sealing, Propane	E21C3a034	HVAC											
845	C3a - Muni Retrofit	Ductless Mini Split Heat Pump	E21C3a035	HVAC											
846	C3a - Muni Retrofit	ECM Evaporator Fan Motors for Walk-in Cooler	E21C3a036	Refrigeration											
847	C3a - Muni Retrofit	Electronic Defrost Control	E21C3a037	Refrigeration											
848	C3a - Muni Retrofit	Energy Management System, Electric	E21C3a038	HVAC											
849	C3a - Muni Retrofit	Energy Star Wifi Thermostat, Electric	E21C3a039	HVAC											
850	C3a - Muni Retrofit	Energy Star Wifi Thermostat, Gas	E21C3a040	HVAC											
851	C3a - Muni Retrofit	Energy Star Wifi Thermostat, Oil	E21C3a041	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
852	C3a - Muni Retrofit	Energy Star Wifi Thermostat, Propane	E21C3a042	HVAC											
853	C3a - Muni Retrofit	Evaporator Fan Control	E21C3a043	Refrigeration											
854	C3a - Muni Retrofit	Faucet Aerator, Electric	E21C3a044	Hot Water											
855	C3a - Muni Retrofit	Faucet Aerator, Gas	E21C3a045	Hot Water											
856	C3a - Muni Retrofit	Faucet Aerator, Oil	E21C3a046	Hot Water											
857	C3a - Muni Retrofit	Faucet Aerator, Propane	E21C3a047	Hot Water											
858	C3a - Muni Retrofit	Hotel Occupancy Sensor	E21C3a050	HVAC											
859	C3a - Muni Retrofit	Insulation, Electric	E21C3a051	Envelope											
860	C3a - Muni Retrofit	Insulation, Gas	E21C3a052	Envelope											
861	C3a - Muni Retrofit	Insulation, Oil	E21C3a053	Envelope											
862	C3a - Muni Retrofit	Insulation, Propane	E21C3a054	Envelope											
863	C3a - Muni Retrofit	Low Pressure Drop Filter	E21C3a055	Compressed Air											
864	C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C3a056	Hot Water											
865	C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C3a057	Hot Water											
866	C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C3a058	Hot Water											
867	C3a - Muni Retrofit	Low-Flow Showerhead With Thermostatic Valve	E21C3a059	Hot Water											
868	C3a - Muni Retrofit	Low-Flow Showerhead, Electric	E21C3a060	Hot Water											
869	C3a - Muni Retrofit	Low-Flow Showerhead, Gas	E21C3a061	Hot Water											
870	C3a - Muni Retrofit	Low-Flow Showerhead, Oil	E21C3a062	Hot Water											
871	C3a - Muni Retrofit	Low-Flow Showerhead, Propane	E21C3a063	Hot Water											
872	C3a - Muni Retrofit	Motors, Open Drip	E21C3a064	Motors/Drives											
873	C3a - Muni Retrofit	Motors, Totally Enclosed Fan Cooled	E21C3a065	Motors/Drives											
874	C3a - Muni Retrofit	Novelty Cooler Shutoff	E21C3a066	Refrigeration											
875	C3a - Muni Retrofit	Pipe Wrap - Heating, Electric	E21C3a067	HVAC											
876	C3a - Muni Retrofit	Pipe Wrap - Heating, Gas	E21C3a068	HVAC											
877	C3a - Muni Retrofit	Pipe Wrap - Heating, Oil	E21C3a069	HVAC											
878	C3a - Muni Retrofit	Pipe Wrap - Heating, Propane	E21C3a070	HVAC											
879	C3a - Muni Retrofit	Pipe Wrap - Hot Water, Electric	E21C3a071	Hot Water											
880	C3a - Muni Retrofit	Pipe Wrap - Hot Water, Gas	E21C3a072	Hot Water											
881	C3a - Muni Retrofit	Pipe Wrap - Hot Water, Oil	E21C3a073	Hot Water											
882	C3a - Muni Retrofit	Pipe Wrap - Hot Water, Propane	E21C3a074	Hot Water											
883	C3a - Muni Retrofit	Pre Rinse Spray Valve, Electric	E21C3a075	Hot Water											
884	C3a - Muni Retrofit	Pre Rinse Spray Valve, Gas	E21C3a076	Hot Water											
885	C3a - Muni Retrofit	Pre Rinse Spray Valve, Oil	E21C3a077	Hot Water											
886	C3a - Muni Retrofit	Pre Rinse Spray Valve, Propane	E21C3a078	Hot Water											
887	C3a - Muni Retrofit	Programmable Thermostat, Electric	E21C3a079	HVAC											
888	C3a - Muni Retrofit	Programmable Thermostat, Gas	E21C3a080	HVAC											
889	C3a - Muni Retrofit	Programmable Thermostat, Oil	E21C3a081	HVAC											
890	C3a - Muni Retrofit	Programmable Thermostat, Propane	E21C3a082	HVAC											
891	C3a - Muni Retrofit	Steam Trap, Electric	E21C3a083	HVAC											
892	C3a - Muni Retrofit	Steam Trap, Gas	E21C3a084	HVAC											
893	C3a - Muni Retrofit	Steam Trap, Oil	E21C3a085	HVAC											
894	C3a - Muni Retrofit	Steam Trap, Propane	E21C3a086	HVAC											
895	C3a - Muni Retrofit	Variable Frequency Drive	E21C3a087	Motors/Drives											
896	C3a - Muni Retrofit	Variable Frequency Drive with Motor	E21C3a088	Motors/Drives											
897	C3a - Muni Retrofit	Vending Miser	E21C3a089	Refrigeration											
898	C3a - Muni Retrofit	Zero Loss Condensate Drain	E21C3a090	Compressed Air											
899	C3a - Muni Retrofit	CI Audits - Muni Retro	0	Non-Energy Saving											
900	C3a - Muni Retrofit	Vendor Fees	0	Non-Energy Saving											
901	C3a - Muni Retrofit	Vendor Fees	0	Non-Energy Saving											
902	C3a - Muni Retrofit	Vendor Fees	0	Non-Energy Saving											
903	C3a - Muni Retrofit	Vendor Fees - TA Studies	0	Non-Energy Saving											
904															
905															
906															
907															
908	C3b - Muni New Equipment	Custom Muni Compressed Air New	E21C3b001	Compressed Air											
909	C3b - Muni New Equipment	Custom Muni Hot Water New	E21C3b002	Hot Water											
910	C3b - Muni New Equipment	Custom Muni HVAC New	E21C3b003	HVAC											
911	C3b - Muni New Equipment	Custom Muni Lighting New - Interior	E21C3b004	Lighting											
912	C3b - Muni New Equipment	Custom Muni Lighting New - Exterior	E21C3b005	Lighting											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
913	C3b - Muni New Equipmen	Custom Muni Lighting New - Controls	E21C3b086	Lighting											
914	C3b - Muni New Equipmen	Custom Muni Motors New	E21C3b005	Motors/Drives											
915	C3b - Muni New Equipmen	Custom Muni Process New	E21C3b006	Process											
916	C3b - Muni New Equipmen	Custom Muni Refrigeration New	E21C3b007	Refrigeration											
917	C3b - Muni New Equipmen	Custom Muni Other New	E21C3b008	Custom Measures											
918	C3b - Muni New Equipmen	Custom Muni Comprehensive Design	E21C3b083	Custom Measures											
919	C3b - Muni New Equipmen	Daylight Dimming	E21C3b009	Lighting											
920	C3b - Muni New Equipmen	Performance Lighting - Exterior w/ Controls	E21C3b010	Lighting											
921	C3b - Muni New Equipmen	Performance Lighting - Exterior w/o Controls	E21C3b011	Lighting											
922	C3b - Muni New Equipmen	Performance Lighting - Interior w/ Controls	E21C3b012	Lighting											
923	C3b - Muni New Equipmen	Performance Lighting - Interior w/o Controls	E21C3b013	Lighting											
924	C3b - Muni New Equipmen	Lighting Occupancy Sensors	E21C3b014	Lighting											
925	C3b - Muni New Equipmen	Advanced Power Strip	E21C3b015	Process											
926	C3b - Muni New Equipmen	Air Compressor	E21C3b016	Compressed Air											
927	C3b - Muni New Equipmen	Air Nozzle	E21C3b017	Compressed Air											
928	C3b - Muni New Equipmen	Boiler 1000 to 1700 MBH 90 AFUE, Oil	E21C3b018	HVAC											
929	C3b - Muni New Equipmen	Boiler 1000 to 1700 MBH 90 AFUE, Propane	E21C3b019	HVAC											
930	C3b - Muni New Equipmen	Boiler 1701 to 2000 MBH 85 AFUE, Oil	E21C3b020	HVAC											
931	C3b - Muni New Equipmen	Boiler 1701 to 2000 MBH 90 AFUE, Propane	E21C3b021	HVAC											
932	C3b - Muni New Equipmen	Boiler 301 to 499 MBH 85 AFUE, Oil	E21C3b022	HVAC											
933	C3b - Muni New Equipmen	Boiler 301 to 499 MBH 90 AFUE, Propane	E21C3b023	HVAC											
934	C3b - Muni New Equipmen	Boiler 500 to 999 MBH 85 AFUE, Oil	E21C3b024	HVAC											
935	C3b - Muni New Equipmen	Boiler 500 to 999 MBH 90 AFUE, Propane	E21C3b025	HVAC											
936	C3b - Muni New Equipmen	Boiler to 300 MBH 85 AFUE, Oil	E21C3b026	HVAC											
937	C3b - Muni New Equipmen	Boiler to 300 MBH 87 AFUE, Oil	E21C3b027	HVAC											
938	C3b - Muni New Equipmen	Boiler to 300 MBH 90 AFUE, Propane	E21C3b028	HVAC											
939	C3b - Muni New Equipmen	Boiler to 300 MBH 95 AFUE, Propane	E21C3b029	HVAC											
940	C3b - Muni New Equipmen	Circulator Pump	E21C3b030	HVAC											
941	C3b - Muni New Equipmen	Combination Oven, Electric	E21C3b031	Food Service											
942	C3b - Muni New Equipmen	Compressor Storage	E21C3b032	Compressed Air											
943	C3b - Muni New Equipmen	Condensing Unit Heater up to 300 MBH, Oil	E21C3b033	HVAC											
944	C3b - Muni New Equipmen	Condensing Unit Heater up to 300 MBH, Propane	E21C3b034	HVAC											
945	C3b - Muni New Equipmen	Convection Oven, Electric	E21C3b035	Food Service											
946	C3b - Muni New Equipmen	Dishwasher - High Temp Door Type	E21C3b036	Food Service											
947	C3b - Muni New Equipmen	Dishwasher - High Temp Multi Tank Conveyor	E21C3b037	Food Service											
948	C3b - Muni New Equipmen	Dishwasher - High Temp Pot, Pan, Utensil	E21C3b038	Food Service											
949	C3b - Muni New Equipmen	Dishwasher - High Temp Single Tank Conveyor	E21C3b039	Food Service											
950	C3b - Muni New Equipmen	Dishwasher - High Temp Under Counter	E21C3b040	Food Service											
951	C3b - Muni New Equipmen	Dishwasher - Low Temp Door Type	E21C3b041	Food Service											
952	C3b - Muni New Equipmen	Dishwasher - Low Temp Multi Tank Conveyor	E21C3b042	Food Service											
953	C3b - Muni New Equipmen	Dishwasher - Low Temp Single Tank Conveyor	E21C3b043	Food Service											
954	C3b - Muni New Equipmen	Dishwasher - Low Temp Under Counter	E21C3b044	Food Service											
955	C3b - Muni New Equipmen	Faucet Aerator, Electric	E21C3b045	Hot Water											
956	C3b - Muni New Equipmen	Faucet Aerator, Gas	E21C3b046	Hot Water											
957	C3b - Muni New Equipmen	Faucet Aerator, Oil	E21C3b047	Hot Water											
958	C3b - Muni New Equipmen	Faucet Aerator, Propane	E21C3b048	Hot Water											
959	C3b - Muni New Equipmen	Fryer Large Vat, Electric	E21C3b049	Food Service											
960	C3b - Muni New Equipmen	Fryer Standard Vat, Electric	E21C3b050	Food Service											
961	C3b - Muni New Equipmen	Furnace w/ ECM 85 AFUE up to 150 MBH, Oil	E21C3b051	HVAC											
962	C3b - Muni New Equipmen	Furnace w/ ECM 87 AFUE up to 150 MBH, Oil	E21C3b052	HVAC											
963	C3b - Muni New Equipmen	Furnace w/ ECM 95 AFUE up to 150 MBH, Propane	E21C3b053	HVAC											
964	C3b - Muni New Equipmen	Furnace w/ ECM 97 AFUE up to 150 MBH, Propane	E21C3b054	HVAC											
965	C3b - Muni New Equipmen	Griddle, Electric	E21C3b055	Food Service											
966	C3b - Muni New Equipmen	Ground Source Heat Pump	E21C3b056	HVAC											
967	C3b - Muni New Equipmen	Hot Food Holding Cabinet 3/4 Size	E21C3b057	Food Service											
968	C3b - Muni New Equipmen	Hot Food Holding Cabinet Full Size	E21C3b058	Food Service											
969	C3b - Muni New Equipmen	Hot Food Holding Cabinet Half Size	E21C3b059	Food Service											
970	C3b - Muni New Equipmen	Ice Machine - Ice Making Head	E21C3b060	Food Service											
971	C3b - Muni New Equipmen	Ice Machine - Remote Cond./Split Unit - Batch	E21C3b061	Food Service											
972	C3b - Muni New Equipmen	Ice Machine - Remote Cond./Split Unit - Continuous	E21C3b062	Food Service											
973	C3b - Muni New Equipmen	Ice Machine - Self Contained	E21C3b063	Food Service											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
974	C3b - Muni New Equipmen	Infrared Heater	E21C3b064	HVAC											
975	C3b - Muni New Equipmen	Low Pressure Drop Filter	E21C3b065	Compressed Air											
976	C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve	E21C3b066	Hot Water											
977	C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve	E21C3b067	Hot Water											
978	C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve	E21C3b068	Hot Water											
979	C3b - Muni New Equipmen	Low-Flow Showerhead With Thermostatic Valve	E21C3b069	Hot Water											
980	C3b - Muni New Equipmen	Low-Flow Showerhead, Electric	E21C3b070	Hot Water											
981	C3b - Muni New Equipmen	Low-Flow Showerhead, Gas	E21C3b071	Hot Water											
982	C3b - Muni New Equipmen	Low-Flow Showerhead, Oil	E21C3b072	Hot Water											
983	C3b - Muni New Equipmen	Low-Flow Showerhead, Propane	E21C3b073	Hot Water											
984	C3b - Muni New Equipmen	Pre Rinse Spray Valve, Electric	E21C3b074	Hot Water											
985	C3b - Muni New Equipmen	Pre Rinse Spray Valve, Gas	E21C3b075	Hot Water											
986	C3b - Muni New Equipmen	Pre Rinse Spray Valve, Oil	E21C3b076	Hot Water											
987	C3b - Muni New Equipmen	Pre Rinse Spray Valve, Propane	E21C3b077	Hot Water											
988	C3b - Muni New Equipmen	Refrigerated Air Dryer	E21C3b078	Compressed Air											
989	C3b - Muni New Equipmen	Steam Cooker, Electric	E21C3b079	Food Service											
990	C3b - Muni New Equipmen	Unitary Air Conditioner	E21C3b080	HVAC											
991	C3b - Muni New Equipmen	Water Source Heat Pump	E21C3b081	HVAC											
992	C3b - Muni New Equipmen	Zero Loss Condensate Drain	E21C3b082	Compressed Air											
993	C3b - Muni New Equipmen	High Efficiency Chiller - FL	E21C3b083	HVAC											
994	C3b - Muni New Equipmen	High Efficiency Chiller - IPLV	E21C3b084	HVAC											
995	C3b - Muni New Equipmen	CI Audits - Muni New	0	Non-Energy Saving											
996															
997															
998															
999															
1000															
1001	C3d - Muni Direct Install	Custom Muni Compressed Air Direct Install	E21C3d001	Compressed Air											
1002	C3d - Muni Direct Install	Custom Muni Hot Water Direct Install	E21C3d002	Hot Water											
1003	C3d - Muni Direct Install	Custom Muni HVAC Direct Install	E21C3d003	HVAC											
1004	C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Interior	E21C3d004	Lighting											
1005	C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Exterior	E21C3d005	Lighting											
1006	C3d - Muni Direct Install	Custom Muni Lighting Direct Install - Controls	E21C3d006	Lighting											
1007	C3d - Muni Direct Install	Custom Muni Motors Direct Install	E21C3d007	Motors/Drives											
1008	C3d - Muni Direct Install	Custom Muni Process Direct Install	E21C3d008	Process											
1009	C3d - Muni Direct Install	Custom Muni Refrigeration Direct Install	E21C3d009	Refrigeration											
1010	C3d - Muni Direct Install	Custom Muni Other Direct Install	E21C3d010	Custom Measures											
1011	C3d - Muni Direct Install	Daylight Dimming	E21C3d011	Lighting											
1012	C3d - Muni Direct Install	Lighting Fixture - Exterior w/ Controls	E21C3d012	Lighting											
1013	C3d - Muni Direct Install	Lighting Fixture - Exterior w/o Controls	E21C3d013	Lighting											
1014	C3d - Muni Direct Install	Lighting Fixture - Interior w/ Controls	E21C3d014	Lighting											
1015	C3d - Muni Direct Install	Lighting Fixture - Interior w/o Controls	E21C3d015	Lighting											
1016	C3d - Muni Direct Install	Lighting Occupancy Sensors	E21C3d016	Lighting											
1017	C3d - Muni Direct Install	Air Sealing, Electric	E21C3d017	HVAC											
1018	C3d - Muni Direct Install	Air Sealing, Gas	E21C3d018	HVAC											
1019	C3d - Muni Direct Install	Air Sealing, Oil	E21C3d019	HVAC											
1020	C3d - Muni Direct Install	Air Sealing, Propane	E21C3d020	HVAC											
1021	C3d - Muni Direct Install	Boiler Reset Controls, Gas	E21C3d021	HVAC											
1022	C3d - Muni Direct Install	Boiler Reset Controls, Oil	E21C3d022	HVAC											
1023	C3d - Muni Direct Install	Boiler Reset Controls, Propane	E21C3d023	HVAC											
1024	C3d - Muni Direct Install	Case Motor Replacement	E21C3d024	Refrigeration											
1025	C3d - Muni Direct Install	Cooler Night Cover	E21C3d025	Refrigeration											
1026	C3d - Muni Direct Install	Demand Control Ventilation	E21C3d026	HVAC											
1027	C3d - Muni Direct Install	Door Heater Controls	E21C3d027	Refrigeration											
1028	C3d - Muni Direct Install	Dual Enthalpy Economizer Controls (DEEC)	E21C3d028	HVAC											
1029	C3d - Muni Direct Install	Duct Insulation, Electric	E21C3d029	HVAC											
1030	C3d - Muni Direct Install	Duct Insulation, Gas	E21C3d030	HVAC											
1031	C3d - Muni Direct Install	Duct Insulation, Oil	E21C3d031	HVAC											
1032	C3d - Muni Direct Install	Duct Insulation, Propane	E21C3d032	HVAC											
1033	C3d - Muni Direct Install	Duct Sealing, Electric	E21C3d033	HVAC											
1034	C3d - Muni Direct Install	Duct Sealing, Gas	E21C3d034	HVAC											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
1035	C3d - Muni Direct Install	Duct Sealing, Oil	E21C3d035	HVAC											
1036	C3d - Muni Direct Install	Duct Sealing, Propane	E21C3d036	HVAC											
1037	C3d - Muni Direct Install	Ductless Mini Split Heat Pump	E21C3d037	HVAC											
1038	C3d - Muni Direct Install	ECM Evaporator Fan Motors for Walk-in Cooler	E21C3d038	Refrigeration											
1039	C3d - Muni Direct Install	Electronic Defrost Control	E21C3d039	Refrigeration											
1040	C3d - Muni Direct Install	Energy Management System, Electric	E21C3d040	HVAC											
1041	C3d - Muni Direct Install	Energy Star Wifi Thermostat, Electric	E21C3d041	HVAC											
1042	C3d - Muni Direct Install	Energy Star Wifi Thermostat, Gas	E21C3d042	HVAC											
1043	C3d - Muni Direct Install	Energy Star Wifi Thermostat, Oil	E21C3d043	HVAC											
1044	C3d - Muni Direct Install	Energy Star Wifi Thermostat, Propane	E21C3d044	HVAC											
1045	C3d - Muni Direct Install	Evaporator Fan Control	E21C3d045	Refrigeration											
1046	C3d - Muni Direct Install	Faucet Aerator, Electric	E21C3d046	Hot Water											
1047	C3d - Muni Direct Install	Faucet Aerator, Gas	E21C3d047	Hot Water											
1048	C3d - Muni Direct Install	Faucet Aerator, Oil	E21C3d048	Hot Water											
1049	C3d - Muni Direct Install	Faucet Aerator, Propane	E21C3d049	Hot Water											
1050	C3d - Muni Direct Install	Hotel Occupancy Sensor	E21C3d050	HVAC											
1051	C3d - Muni Direct Install	Insulation, Electric	E21C3d051	Envelope											
1052	C3d - Muni Direct Install	Insulation, Gas	E21C3d052	Envelope											
1053	C3d - Muni Direct Install	Insulation, Oil	E21C3d053	Envelope											
1054	C3d - Muni Direct Install	Insulation, Propane	E21C3d054	Envelope											
1055	C3d - Muni Direct Install	Low Pressure Drop Filter	E21C3d055	Compressed Air											
1056	C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C3d056	Hot Water											
1057	C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C3d057	Hot Water											
1058	C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C3d058	Hot Water											
1059	C3d - Muni Direct Install	Low-Flow Showerhead With Thermostatic Valve	E21C3d059	Hot Water											
1060	C3d - Muni Direct Install	Low-Flow Showerhead, Electric	E21C3d060	Hot Water											
1061	C3d - Muni Direct Install	Low-Flow Showerhead, Gas	E21C3d061	Hot Water											
1062	C3d - Muni Direct Install	Low-Flow Showerhead, Oil	E21C3d062	Hot Water											
1063	C3d - Muni Direct Install	Low-Flow Showerhead, Propane	E21C3d063	Hot Water											
1064	C3d - Muni Direct Install	Motors, Open Drip	E21C3d064	Motors/Drives											
1065	C3d - Muni Direct Install	Motors, Totally Enclosed Fan Cooled	E21C3d065	Motors/Drives											
1066	C3d - Muni Direct Install	Novelty Cooler Shutoff	E21C3d066	Refrigeration											
1067	C3d - Muni Direct Install	Pipe Wrap - Heating, Electric	E21C3d067	HVAC											
1068	C3d - Muni Direct Install	Pipe Wrap - Heating, Gas	E21C3d068	HVAC											
1069	C3d - Muni Direct Install	Pipe Wrap - Heating, Oil	E21C3d069	HVAC											
1070	C3d - Muni Direct Install	Pipe Wrap - Heating, Propane	E21C3d070	HVAC											
1071	C3d - Muni Direct Install	Pipe Wrap - Hot Water, Electric	E21C3d071	Hot Water											
1072	C3d - Muni Direct Install	Pipe Wrap - Hot Water, Gas	E21C3d072	Hot Water											
1073	C3d - Muni Direct Install	Pipe Wrap - Hot Water, Oil	E21C3d073	Hot Water											
1074	C3d - Muni Direct Install	Pipe Wrap - Hot Water, Propane	E21C3d074	Hot Water											
1075	C3d - Muni Direct Install	Pre Rinse Spray Valve, Electric	E21C3d075	Hot Water											
1076	C3d - Muni Direct Install	Pre Rinse Spray Valve, Gas	E21C3d076	Hot Water											
1077	C3d - Muni Direct Install	Pre Rinse Spray Valve, Oil	E21C3d077	Hot Water											
1078	C3d - Muni Direct Install	Pre Rinse Spray Valve, Propane	E21C3d078	Hot Water											
1079	C3d - Muni Direct Install	Programmable Thermostat, Electric	E21C3d079	HVAC											
1080	C3d - Muni Direct Install	Programmable Thermostat, Gas	E21C3d080	HVAC											
1081	C3d - Muni Direct Install	Programmable Thermostat, Oil	E21C3d081	HVAC											
1082	C3d - Muni Direct Install	Programmable Thermostat, Propane	E21C3d082	HVAC											
1083	C3d - Muni Direct Install	Steam Trap, Electric	E21C3d083	HVAC											
1084	C3d - Muni Direct Install	Steam Trap, Gas	E21C3d084	HVAC											
1085	C3d - Muni Direct Install	Steam Trap, Oil	E21C3d085	HVAC											
1086	C3d - Muni Direct Install	Steam Trap, Propane	E21C3d086	HVAC											
1087	C3d - Muni Direct Install	Variable Frequency Drive	E21C3d087	Motors/Drives											
1088	C3d - Muni Direct Install	Variable Frequency Drive with Motor	E21C3d088	Motors/Drives											
1089	C3d - Muni Direct Install	Vending Miser	E21C3d089	Refrigeration											
1090	C3d - Muni Direct Install	Zero Loss Condensate Drain	E21C3d090	Compressed Air											
1091	C3d - Muni Direct Install	CI Audits - Muni Direct Install	0	Non-Energy Saving											
1092	C3d - Muni Direct Install	Vendor Fees	0	Non-Energy Saving											
1093															
1094															
1095															

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
1096															
1097															
1098															
1099															
1100															
1101															
1102	C4a - Energy Rewards RFP	Custom RFP Program Compressed Air	E21C4a001	Compressed Air											
1103	C4a - Energy Rewards RFP	Custom RFP Program Hot Water	E21C4a002	Hot Water											
1104	C4a - Energy Rewards RFP	Custom RFP Program HVAC	E21C4a003	HVAC											
1105	C4a - Energy Rewards RFP	Custom RFP Program Lighting - Interior	E21C4a004	Lighting											
1106	C4a - Energy Rewards RFP	Custom RFP Program Lighting - Exterior	E21C4a015	Lighting											
1107	C4a - Energy Rewards RFP	Custom RFP Program Lighting - Controls	E21C4a016	Lighting											
1108	C4a - Energy Rewards RFP	Custom RFP Program Motors	E21C4a005	Motors/Drives											
1109	C4a - Energy Rewards RFP	Custom RFP Program Process	E21C4a006	Process											
1110	C4a - Energy Rewards RFP	Custom RFP Program Refrigeration	E21C4a007	Refrigeration											
1111	C4a - Energy Rewards RFP	Custom RFP Program Other	E21C4a008	Custom Measures											
1112	C4a - Energy Rewards RFP	Daylight Dimming	E21C4a009	Lighting											
1113	C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/ Controls	E21C4a010	Lighting											
1114	C4a - Energy Rewards RFP	Lighting Fixture - Exterior w/o Controls	E21C4a011	Lighting											
1115	C4a - Energy Rewards RFP	Lighting Fixture - Interior w/ Controls	E21C4a012	Lighting											
1116	C4a - Energy Rewards RFP	Lighting Fixture - Interior w/o Controls	E21C4a013	Lighting											
1117	C4a - Energy Rewards RFP	Lighting Occupancy Sensors	E21C4a014	Lighting											
1118	C4a - Energy Rewards RFP	CI Audits: Technical Assistance	0	Non-Energy Saving											
1119															
1120															
1121															
1122															
1123															
1124															
1125															
1126															
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1152															
1153															
1154															
1155	C5a - C&I Active Demand	Load Curtailment	E21C5a001	Behavior	17	1.0	\$ 163,317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1156	C5a - C&I Active Demand	Storage Daily Dispatch (savings)	E21C5a002	Behavior											

	C	D	E	F	G	H	J	L	M	N	O	P	Q	R	S
1157	C5a - C&I Active Demand	Storage Daily Dispatch (consumption)	E21C5a003	Behavior											
1158	C5a - C&I Active Demand	Storage Targeted Dispatch (savings)	E21C5a004	Behavior											
1159	C5a - C&I Active Demand	Storage Targeted Dispatch (consumption)	E21C5a005	Behavior											
1160															
1161															
1162															
1163															
1164															
1165															
1166															
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1197															
1198															
1199															

Note: Remember to drag down formulas if entering more than 1,148 rows of

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
1															
2								3	4	5	6		7	8	9
3	Electric Savings: Capacity							Electric Benefits: Energy					Electric Benefit		
4	Summer Peak Energy MWh Net Lifetime	Summer Off-Peak Energy MWh Net Lifetime	Max Net kW	Annual Adjusted Gross Winter kW	Annual Net Winter kW	Annual Adjusted Gross Summer kw	Annual Net Summer kw	Winter Peak Energy Benefits (\$)	Winter Off-Peak Energy Benefits (\$)	Summer Peak Energy Benefits (\$)	Summer Off-Peak Energy Benefits (\$)	Total Avoided Energy Benefits (\$)	Winter Peak Energy DRIPE Benefits (\$)	Winter Off-Peak Energy DRIPE Benefits (\$)	Summer Peak Energy DRIPE Benefits (\$)
5															
6															
7															
8	9.612	8.579	2.371	0.000	0.000	0.747	0.747	\$97.78	\$52.41	\$573.10	\$439.67	\$1,162.95	\$4.86	\$2.08	\$26.04
9	1.667	1.487	0.411	0.000	0.000	0.129	0.129	\$16.95	\$9.09	\$99.37	\$76.23	\$201.64	\$0.84	\$0.36	\$4.51
10	3.243	2.894	0.800	0.000	0.000	0.252	0.252	\$32.99	\$17.68	\$193.34	\$148.33	\$392.34	\$1.64	\$0.70	\$8.78
11															
12															
13	0.317	0.247	0.079	0.058	0.058	0.022	0.022	\$65.35	\$46.07	\$19.30	\$13.05	\$143.76	\$6.00	\$3.32	\$1.63
14															
15															
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29	94.659	84.485	12.588	0.000	0.000	3.963	3.963	\$964.45	\$499.92	\$6,373.56	\$4,794.51	\$12,632.45	\$28.74	\$12.30	\$153.85
30	37.085	33.099	5.325	0.000	0.000	1.677	1.677	\$377.84	\$195.86	\$2,496.98	\$1,878.35	\$4,949.03	\$11.26	\$4.82	\$60.27
31	40.479	36.129	5.644	0.000	0.000	1.777	1.777	\$412.43	\$213.78	\$2,725.55	\$2,050.30	\$5,402.07	\$12.29	\$5.26	\$65.79
32															
33															
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43															
44															
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46															
47	2.621	2.045	0.354	0.260	0.260	0.101	0.101	\$525.85	\$368.09	\$155.76	\$105.08	\$1,154.77	\$29.97	\$16.63	\$8.19
48	2.320	1.842	1.775	1.370	1.370	0.884	0.884	\$330.03	\$268.29	\$153.38	\$102.26	\$853.95	\$27.02	\$17.43	\$9.91
49															
50															
51															
52	0.482	0.383	0.351	0.271	0.271	0.175	0.175	\$68.54	\$55.72	\$31.85	\$21.24	\$177.35	\$5.61	\$3.62	\$2.06
53	8.357	9.596	2.087	1.225	1.225	1.503	1.503	\$983.61	\$1,006.88	\$499.22	\$497.20	\$2,986.92	\$60.52	\$48.94	\$28.30
54															
55															
56															
57															
58															

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
59															
60															
61															
62															
63															
64															
65	0.216	0.192	0.309	0.000	0.000	0.097	0.097	\$2.20	\$1.14	\$14.52	\$10.92	\$28.78	\$0.07	\$0.03	\$0.35
66	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
67	5.308	4.737	0.389	0.000	0.000	0.122	0.122	\$54.08	\$28.03	\$357.37	\$268.83	\$708.31	\$1.61	\$0.69	\$8.63
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
69	37.623	29.358	1.878	1.381	1.381	0.533	0.533	\$7,547.47	\$5,283.18	\$2,235.58	\$1,508.18	\$16,574.42	\$430.10	\$238.66	\$117.59
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
71															
72															
73	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
74															
75															
76															
77	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
78															
79	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
80															
81	0.000	0.000	0.384	0.187	0.187	0.000	0.000	\$276.61	\$307.26	\$0.00	\$0.00	\$583.87	\$10.91	\$9.78	\$0.00
82															
83															
84	0.000	0.000	0.640	0.263	0.263	0.000	0.000	\$439.54	\$499.87	\$0.00	\$0.00	\$939.40	\$19.36	\$17.66	\$0.00
85	0.000	0.000	0.192	0.079	0.079	0.000	0.000	\$196.59	\$223.57	\$0.00	\$0.00	\$420.16	\$8.66	\$7.90	\$0.00
86	0.000	0.000	0.128	0.053	0.053	0.000	0.000	\$131.06	\$149.05	\$0.00	\$0.00	\$280.11	\$5.77	\$5.27	\$0.00
87															
88															
89	0.003	0.003	0.002	0.000	0.000	0.001	0.001	\$0.25	\$0.27	\$0.19	\$0.15	\$0.87	\$0.01	\$0.01	\$0.01
90	0.184	0.172	0.092	0.017	0.017	0.028	0.028	\$14.68	\$15.75	\$10.97	\$8.80	\$50.21	\$0.73	\$0.63	\$0.50
91	0.378	0.352	0.190	0.035	0.035	0.058	0.058	\$30.13	\$32.32	\$22.52	\$18.05	\$103.01	\$1.50	\$1.28	\$1.02
92															
93															
94															
95															
96															
97															
98															
99															
100															
101	0.000	0.000	0.075	0.031	0.031	0.000	0.000	\$13.56	\$15.88	\$0.00	\$0.00	\$29.43	\$0.82	\$0.74	\$0.00
102	0.000	0.000	0.122	0.050	0.050	0.000	0.000	\$37.68	\$43.53	\$0.00	\$0.00	\$81.22	\$3.09	\$2.83	\$0.00
103	-193.046	-95.413	57.900	57.900	57.900	-5.095	-5.095	\$130,994.26	\$46,792.69	-\$11,803.30	-\$4,997.48	\$160,986.18	\$5,452.97	\$1,567.22	-\$435.77
104															
105															
106															
107															
108															
109															
110															
111															
112															
113															
114	37.108	33.120	5.742	0.000	0.000	1.987	1.987	\$378.08	\$195.98	\$2,498.55	\$1,879.54	\$4,952.15	\$11.27	\$4.82	\$60.31
115	0.000	0.000	5.510	3.416	3.416	0.000	0.000	\$12,475.85	\$14,746.15	\$0.00	\$0.00	\$27,222.00	\$371.83	\$362.91	\$0.00
116	0.000	0.000	3.171	3.171	3.171	3.171	3.171	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
117															
118	0.000	0.000	3.331	3.331	3.331	3.331	3.331	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
119															

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
120	27.013	21.078	1.547	1.250	1.250	0.483	0.483	\$5,379.24	\$3,737.73	\$1,610.61	\$1,080.28	\$11,807.87	\$267.62	\$148.51	\$73.17
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
122															
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
124															
125															
126															
127															
128															
129															
130															
131															
132															
133															
134															
135															
136	3.504	2.783	1.562	1.324	1.324	0.854	0.854	\$497.45	\$399.39	\$224.53	\$148.02	\$1,269.40	\$45.79	\$29.66	\$18.22
137	0.600	0.477	0.267	0.227	0.227	0.146	0.146	\$85.19	\$68.40	\$38.45	\$25.35	\$217.38	\$7.84	\$5.08	\$3.12
138	1.157	1.329	0.094	0.061	0.061	0.074	0.074	\$136.18	\$139.40	\$69.12	\$68.84	\$413.53	\$8.38	\$6.77	\$3.92
139	1.266	1.063	1.953	1.016	1.016	0.959	0.959	\$187.84	\$143.13	\$76.12	\$55.42	\$462.52	\$12.49	\$7.52	\$4.68
140	1.952	1.641	0.284	0.164	0.164	0.126	0.126	\$331.81	\$237.14	\$116.57	\$85.01	\$770.53	\$20.42	\$11.53	\$6.61
141															
142															
143															
144															
145															
146															
147															
148															
149															
150															
151															
152															
153	0.000	0.000	7.524	3.258	3.258	0.000	0.000	\$5,780.51	\$7,004.71	\$0.00	\$0.00	\$12,785.22	\$287.59	\$278.31	\$0.00
154	1.718	1.590	0.387	0.082	0.082	0.130	0.130	\$145.56	\$156.30	\$102.43	\$81.47	\$485.77	\$7.24	\$6.21	\$4.65
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
156	4.067	3.763	1.476	0.311	0.311	0.497	0.497	\$344.59	\$370.03	\$242.49	\$192.88	\$1,149.99	\$17.14	\$14.70	\$11.02
157	14.145	13.089	7.285	1.537	1.537	2.455	2.455	\$1,198.49	\$1,286.96	\$843.37	\$670.83	\$3,999.65	\$59.63	\$51.13	\$38.32
158	16.713	15.466	6.296	1.329	1.329	2.122	2.122	\$1,416.11	\$1,520.63	\$996.50	\$792.64	\$4,725.88	\$70.45	\$60.42	\$45.27
159															
160	0.538	0.420	0.122	0.098	0.098	0.038	0.038	\$110.88	\$78.17	\$32.75	\$22.13	\$243.93	\$10.17	\$5.64	\$2.76
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
162															
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
165															
166															
167															
168															
169															
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
171															
172															
173															
174	0.000	0.000	20.049	8.681	8.681	0.000	0.000	\$20,521.45	\$24,050.02	\$0.00	\$0.00	\$44,571.47	\$611.62	\$591.88	\$0.00
175	32.386	30.207	0.756	0.152	0.152	0.254	0.254	\$2,587.83	\$2,685.07	\$2,180.62	\$1,714.27	\$9,167.79	\$77.13	\$66.08	\$52.64
176															
177	189.020	176.304	23.508	4.725	4.725	7.899	7.899	\$15,103.68	\$15,671.21	\$12,727.02	\$10,005.20	\$53,507.12	\$450.15	\$385.68	\$307.21
178	32.293	30.121	8.412	1.691	1.691	2.826	2.826	\$2,580.39	\$2,677.34	\$2,174.35	\$1,709.34	\$9,141.41	\$76.91	\$65.89	\$52.49
179	224.771	209.650	4.065	0.817	0.817	1.366	1.366	\$17,960.39	\$18,635.26	\$15,134.21	\$11,897.59	\$63,627.46	\$535.29	\$458.62	\$365.32
180															

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
181															
182															
183															
184															
185															
186															
187															
188															
189															
190															
191	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
192	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
193															
194															
195	11.300	8.974	4.921	4.173	4.173	2.692	2.692	\$1,607.71	\$1,306.96	\$747.17	\$498.13	\$4,159.97	\$131.62	\$84.92	\$48.29
196															
197															
198															
199															
200	11.768	13.513	0.686	0.443	0.443	0.543	0.543	\$1,385.04	\$1,417.81	\$702.97	\$700.12	\$4,205.94	\$85.22	\$68.91	\$39.85
201															
202															
203															
204															
205															
206															
207															
208															
209															
210	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
211															
212															
213															
214															
215	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
216															
217															
218															
219															
220	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
221															
222															
223															
224															
225															
226															
227	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
228															
229	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
230	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
231															
232															
233															
234															
235	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
236	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
237															
238	0.000	0.000	1.043	0.536	0.536	0.000	0.000	\$930.47	\$1,033.58	\$0.00	\$0.00	\$1,964.05	\$36.70	\$32.91	\$0.00
239	0.000	0.000	1.672	0.726	0.726	0.000	0.000	\$1,430.45	\$1,622.15	\$0.00	\$0.00	\$3,052.61	\$59.55	\$54.33	\$0.00
240	13.520	12.067	1.234	0.000	0.000	0.410	0.410	\$136.98	\$72.87	\$826.62	\$632.01	\$1,668.48	\$5.70	\$2.44	\$30.52
241	29.925	29.858	2.857	0.000	0.000	0.900	0.900	\$132.01	\$89.90	\$1,829.71	\$1,563.86	\$3,615.49	\$5.50	\$3.01	\$67.55

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
242															
243															
244															
245															
246															
247															
248															
249															
250															
251	1,005.163	798.226	447.908	1,150.989	379.826	742.442	245.006	\$142,681.66	\$114,555.99	\$64,401.57	\$42,456.61	\$364,095.84	\$13,135.05	\$8,506.61	\$5,227.15
252															
253	217.463	172.693	96.903	249.012	82.174	160.624	53.006	\$30,868.60	\$24,783.72	\$13,933.02	\$9,185.32	\$78,770.65	\$2,841.72	\$1,840.37	\$1,130.87
254	149.724	118.900	100.078	257.169	84.866	165.886	54.742	\$21,302.03	\$17,317.13	\$9,900.00	\$6,600.19	\$55,119.35	\$1,743.95	\$1,125.23	\$639.89
255															
256															
257															
258															
259	23.624	18.760	10.527	27.051	8.927	17.449	5.758	\$3,353.37	\$2,692.34	\$1,513.59	\$997.83	\$8,557.14	\$308.71	\$199.93	\$122.85
260															
261															
262															
263															
264															
265															
266															
267															
268															
269															
270															
271	311.603	278.111	14.310	0.000	0.000	4.150	4.150	\$3,157.03	\$1,679.50	\$19,052.17	\$14,566.68	\$38,455.39	\$131.42	\$56.25	\$703.39
272	0.000	0.000	261.580	162.180	162.180	0.000	0.000	\$78,604.52	\$95,351.89	\$0.00	\$0.00	\$173,956.42	\$3,272.11	\$3,193.61	\$0.00
273	100.456	87.780	11.399	8.515	8.515	4.708	4.708	\$19,412.41	\$15,140.53	\$5,969.08	\$4,509.40	\$45,031.43	\$1,106.23	\$683.96	\$313.98
274	13.125	11.469	1.489	1.112	1.112	0.615	0.615	\$2,536.25	\$1,978.13	\$779.87	\$589.16	\$5,883.40	\$144.53	\$89.36	\$41.02
275															
276	80.988	68.092	11.775	6.806	6.806	5.240	5.240	\$13,770.17	\$9,841.24	\$4,837.73	\$3,528.04	\$31,977.17	\$847.25	\$478.30	\$274.23
277	21.347	17.948	3.104	1.794	1.794	1.381	1.381	\$3,629.62	\$2,594.01	\$1,275.15	\$929.94	\$8,428.72	\$223.32	\$126.07	\$72.28
278	0.433	0.364	0.063	0.036	0.036	0.028	0.028	\$73.54	\$52.56	\$25.84	\$18.84	\$170.78	\$4.52	\$2.55	\$1.46
279	0.000	0.000	0.155	0.225	0.155	0.000	0.000	\$138.75	\$155.77	\$0.00	\$0.00	\$294.52	\$6.90	\$6.19	\$0.00
280															
281	8.723	7.786	1.632	0.000	0.000	0.565	0.565	\$88.38	\$47.02	\$533.37	\$407.80	\$1,076.57	\$3.68	\$1.57	\$19.69
282	16.659	16.621	6.151	0.000	0.000	2.018	2.018	\$76.52	\$52.87	\$1,009.92	\$866.73	\$2,006.04	\$6.01	\$3.29	\$73.77
283	44.426	37.311	5.962	3.100	3.100	2.927	2.927	\$6,590.40	\$5,021.73	\$2,670.77	\$1,944.43	\$16,227.33	\$438.31	\$263.96	\$164.10
284	42.762	35.913	5.739	2.984	2.984	2.818	2.818	\$6,343.50	\$4,833.61	\$2,570.71	\$1,871.59	\$15,619.41	\$421.89	\$254.07	\$157.95
285	56.378	67.259	4.406	0.758	0.758	3.613	3.613	\$3,669.92	\$3,618.35	\$3,367.64	\$3,484.87	\$14,140.78	\$225.80	\$175.86	\$190.89
286															
287															
288	23.045	26.460	1.871	1.207	1.207	1.480	1.480	\$2,712.19	\$2,776.35	\$1,376.55	\$1,370.98	\$8,236.07	\$166.87	\$134.94	\$78.03
289	17.665	20.283	1.434	0.925	0.925	1.134	1.134	\$2,079.01	\$2,128.19	\$1,055.18	\$1,050.92	\$6,313.30	\$127.92	\$103.43	\$59.81
290	714.380	500.523	137.898	0.000	0.000	75.706	75.706	\$4,773.75	\$2,173.12	\$43,326.76	\$26,284.79	\$76,558.42	\$346.33	\$124.75	\$2,902.67
291	53.372	64.257	4.454	4.454	4.454	4.454	4.454	\$8,106.93	\$8,880.67	\$3,235.59	\$3,350.71	\$23,573.90	\$636.25	\$553.02	\$236.35
292	6.898	6.434	1.549	0.311	0.311	0.521	0.521	\$550.29	\$590.37	\$411.26	\$329.72	\$1,881.64	\$27.38	\$23.46	\$18.68
293	76.547	87.892	14.915	9.620	9.620	11.798	11.798	\$9,349.03	\$9,571.47	\$4,716.02	\$4,663.14	\$28,299.66	\$918.69	\$735.74	\$432.51
294	12.261	14.537	2.241	1.154	1.154	1.925	1.925	\$1,242.43	\$1,323.04	\$755.40	\$771.24	\$4,092.12	\$122.09	\$101.70	\$69.28
295	6.302	7.638	1.334	0.902	0.902	1.217	1.217	\$820.01	\$887.21	\$393.38	\$405.79	\$2,506.40	\$78.76	\$67.71	\$35.42
296															
297															
298															
299															
300															
301															
302															

	T	U	V	W	X	Y	Z	BD	BE	BF	BG	BH	BI	BJ	BK
303															
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311															
312															
313															
314															
315															
316															
317															
318															
319															
320	413.953	328.731	553.381	469.267	469.267	302.700	302.700	\$60,303.29	\$49,698.37	\$28,254.89	\$19,140.10	\$157,396.66	\$3,666.72	\$2,328.48	\$1,267.71
321															
322															
323															
324															
325															
326															
327															
328															
329															
330															
331															
332															
333	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
334															
335															
336															
337															
338															
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342															
343															
344															
345															
346															
347															
348															
349															
350	272.085	1,527.862	163.847	174.306	163.847	0.000	0.000	\$102,677.89	\$265,284.10	\$16,501.82	\$80,235.16	\$464,698.97	\$7,449.12	\$15,228.87	\$1,105.54
351															
352															
353	240.669	277.934	13.130	13.130	13.130	13.130	13.130	\$35,023.44	\$37,184.86	\$14,349.76	\$14,244.28	\$100,802.33	\$1,742.47	\$1,477.41	\$651.92
354	59.779	49.925	3.260	3.260	3.260	3.260	3.260	\$8,703.51	\$6,676.18	\$3,564.28	\$2,558.70	\$21,502.67	\$433.01	\$265.25	\$161.93
355	413.169	495.803	19.200	19.200	19.200	19.200	19.200	\$62,331.86	\$66,519.42	\$24,634.98	\$25,410.19	\$178,896.45	\$3,101.10	\$2,642.91	\$1,119.19
356	433.089	499.718	35.920	28.233	28.233	35.920	35.920	\$50,388.98	\$54,025.87	\$26,266.62	\$26,242.52	\$156,923.98	\$3,655.64	\$3,101.40	\$1,759.73
357															
358															
359	63.394	95.751	13.216	14.059	13.216	0.000	0.000	\$4,983.34	\$7,266.23	\$3,844.79	\$5,028.31	\$21,122.67	\$361.53	\$417.12	\$257.58
360	812.672	1,227.474	97.469	103.690	97.469	0.000	0.000	\$63,883.87	\$93,149.37	\$49,288.18	\$64,460.38	\$270,781.80	\$4,634.67	\$5,347.32	\$3,302.05
361	2,108.847	1,112.832	135.463	56.059	52.695	72.631	68.274	\$139,886.07	\$74,503.87	\$127,900.53	\$58,439.99	\$400,730.47	\$10,148.51	\$4,276.96	\$8,568.67
362	6,493.519	3,426.609	427.901	177.078	166.454	229.428	215.662	\$430,734.29	\$229,410.75	\$393,828.66	\$179,947.21	\$1,233,920.91	\$31,249.10	\$13,169.53	\$26,384.46
363	129.074	71.172	33.030	4.709	4.426	4.849	4.558	\$9,450.60	\$5,320.67	\$7,828.28	\$3,737.56	\$26,337.11	\$685.63	\$305.44	\$524.45

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371	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
372	18.599	21.393	0.608	0.608	0.608	0.608	0.608	\$1,316.92	\$1,461.88	\$1,108.97	\$1,096.41	\$4,984.19	\$65.52	\$58.08	\$50.38
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390	1,880.567	1,999.090	17.315	17.315	17.315	14.597	14.597	\$136,701.14	\$144,175.12	\$112,127.80	\$102,454.59	\$495,458.65	\$6,801.08	\$5,728.28	\$5,094.08
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413	175.497	190.122	11.700	0.000	0.000	14.801	14.801	\$0.00	\$0.00	\$10,463.94	\$9,743.88	\$20,207.82	\$0.00	\$0.00	\$475.39
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476	104.300	55.039	13.464	7.854	6.598	11.220	9.425	\$6,984.27	\$3,733.67	\$6,418.40	\$2,927.97	\$20,064.31	\$677.77	\$284.36	\$568.61
477															
478	10.247	5.407	0.582	0.451	0.378	0.575	0.483	\$666.56	\$354.90	\$610.20	\$278.77	\$1,910.44	\$39.26	\$16.55	\$33.15
479	81.167	42.831	5.332	4.126	3.466	5.269	4.426	\$5,339.60	\$2,847.23	\$4,879.91	\$2,232.28	\$15,299.03	\$355.42	\$149.79	\$300.09
480															
481	150.660	79.503	6.641	5.139	4.317	6.562	5.512	\$9,947.65	\$5,301.62	\$9,093.06	\$4,157.44	\$28,499.76	\$688.54	\$290.18	\$581.35
482	48.390	25.535	4.194	2.815	2.055	4.022	2.936	\$3,283.42	\$1,749.54	\$2,991.70	\$1,355.28	\$9,379.95	\$320.71	\$134.23	\$273.03
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578	5.399	3.419	0.000	0.000	0.000	0.000	0.000	\$306.69	\$178.86	\$327.47	\$179.55	\$992.57	\$22.25	\$10.27	\$21.94
579	20.419	4.712	0.700	0.595	0.595	0.490	0.490	\$5,937.47	\$3,311.07	\$1,277.82	\$251.68	\$10,778.04	\$222.47	\$100.47	\$41.48
580															
581	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
582	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
583	14.440	0.000	0.300	0.270	0.270	0.276	0.276	\$1,084.30	\$0.00	\$875.78	\$0.00	\$1,960.08	\$78.66	\$0.00	\$58.67
584															
585															
586															
587	15.906	8.770	2.820	0.390	0.367	0.510	0.479	\$1,174.02	\$659.58	\$964.25	\$457.33	\$3,255.17	\$92.14	\$41.07	\$70.44
588															
589	930.577	1,405.559	114.068	121.349	114.068	0.000	0.000	\$73,152.32	\$106,663.74	\$56,439.04	\$73,812.47	\$310,067.57	\$5,307.09	\$6,123.13	\$3,781.12
590	230.329	121.544	15.751	6.518	6.127	8.445	7.938	\$14,983.40	\$7,977.60	\$13,716.54	\$6,266.44	\$42,943.98	\$882.50	\$371.92	\$745.12
591	6,070.030	3,203.135	413.538	171.134	160.866	221.727	208.423	\$399,320.03	\$212,929.36	\$364,942.10	\$166,940.25	\$1,144,131.73	\$26,579.72	\$11,201.68	\$22,441.99
592	45.682	25.189	15.117	2.091	1.965	2.895	2.721	\$3,344.77	\$1,883.10	\$2,770.59	\$1,322.80	\$9,321.26	\$242.66	\$108.10	\$185.62
593															
594															
595															
596	0.116	0.000	0.090	0.000	0.000	0.074	0.074	\$88.15	\$0.00	\$7.04	\$0.00	\$95.19	\$6.39	\$0.00	\$0.47
597															
598	14.463	9.158	4.140	0.000	0.000	1.416	1.416	\$821.49	\$479.08	\$877.15	\$480.94	\$2,658.66	\$59.60	\$27.50	\$58.76
599															
600	36.578	23.163	0.508	0.000	0.000	0.174	0.174	\$2,041.52	\$1,192.63	\$2,184.94	\$1,200.12	\$6,619.21	\$125.61	\$57.96	\$123.85
601	18.038	20.747	1.179	1.179	1.179	1.179	1.179	\$1,277.16	\$1,417.74	\$1,075.49	\$1,063.31	\$4,833.70	\$63.54	\$56.33	\$48.86
602															
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604															
605	25.628	29.477	1.256	1.256	1.256	1.256	1.256	\$1,866.56	\$2,091.19	\$1,554.31	\$1,547.99	\$7,060.05	\$135.42	\$120.05	\$104.13
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613	15.005	17.259	0.735	0.000	0.000	0.000	0.000	\$1,092.89	\$1,224.41	\$910.06	\$906.36	\$4,133.72	\$79.29	\$70.29	\$60.97
614															
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616															
617	0.000	0.000	0.077	0.033	0.033	0.000	0.000	\$49.44	\$59.92	\$0.00	\$0.00	\$109.36	\$2.46	\$2.38	\$0.00
618															
619	40.480	43.032	0.402	0.402	0.402	0.402	0.402	\$2,942.57	\$3,103.45	\$2,413.61	\$2,205.39	\$10,665.02	\$146.40	\$123.30	\$109.65
620	68.895	73.237	2.860	2.860	2.860	2.860	2.860	\$5,008.10	\$5,281.91	\$4,107.85	\$3,753.46	\$18,151.32	\$249.16	\$209.86	\$186.62
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635	13.531	8.569	0.990	0.381	0.381	0.990	0.990	\$747.20	\$431.75	\$806.80	\$439.15	\$2,424.90	\$37.17	\$17.15	\$36.65
636	39.381	24.937	5.360	2.064	2.064	5.360	5.360	\$2,197.95	\$1,284.01	\$2,352.35	\$1,292.07	\$7,126.37	\$135.23	\$62.40	\$133.34
637	10.472	6.631	0.732	0.282	0.282	0.732	0.732	\$594.83	\$346.89	\$635.13	\$348.24	\$1,925.09	\$43.15	\$19.91	\$42.55
638															
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643															
644	0.096	0.111	0.008	0.005	0.005	0.006	0.006	\$11.35	\$11.62	\$5.76	\$5.74	\$34.46	\$0.70	\$0.56	\$0.33
645															
646															
647	174.166	137.500	17.650	6.778	6.778	8.896	8.896	\$24,758.47	\$17,832.72	\$10,384.56	\$7,046.94	\$60,022.69	\$1,231.77	\$708.52	\$471.78
648	33.298	55.710	4.810	4.810	4.810	0.000	0.000	\$7,315.39	\$8,805.92	\$1,985.36	\$2,855.15	\$20,961.82	\$363.95	\$349.87	\$90.20
649															
650	22.809	34.451	2.211	2.352	2.211	0.000	0.000	\$1,743.08	\$2,518.30	\$1,359.99	\$1,765.66	\$7,387.03	\$86.72	\$100.06	\$61.79
651															
652	274.190	144.689	20.984	8.684	8.163	11.251	10.576	\$17,681.24	\$9,330.76	\$16,348.46	\$7,415.42	\$50,775.89	\$879.67	\$370.72	\$742.73
653															
654															
655	75.128	67.190	4.725	4.631	4.631	5.528	5.528	\$5,360.00	\$4,545.28	\$4,479.44	\$3,443.50	\$17,828.22	\$266.67	\$180.59	\$203.51
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688	182.177	117.879	17.582	0.000	0.000	6.013	6.013	\$2,193.50	\$1,090.04	\$10,882.09	\$6,107.63	\$20,273.27	\$134.96	\$52.98	\$616.85
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700	16.793	10.634	0.516	0.026	0.022	0.423	0.364	\$923.48	\$526.20	\$1,050.93	\$567.99	\$3,068.60	\$34.60	\$15.97	\$34.12
701															
702	4.488	2.842	0.145	0.000	0.000	0.050	0.043	\$250.50	\$146.34	\$268.10	\$147.26	\$812.19	\$15.41	\$7.11	\$15.20
703	5.348	3.387	0.000	0.000	0.000	0.000	0.000	\$303.79	\$177.16	\$324.37	\$177.85	\$983.17	\$22.04	\$10.17	\$21.73
704															
705															
706	166.187	107.533	12.352	0.000	0.000	4.225	3.633	\$2,000.97	\$994.37	\$9,926.95	\$5,571.55	\$18,493.84	\$123.12	\$48.33	\$562.71
707	21.372	13.534	0.999	0.000	0.000	0.342	0.294	\$1,192.85	\$696.85	\$1,276.65	\$701.22	\$3,867.58	\$73.39	\$33.87	\$72.37
708															
709	661.198	348.912	81.184	47.357	39.780	67.653	56.829	\$44,275.98	\$23,669.17	\$40,688.69	\$18,561.53	\$127,195.37	\$4,296.62	\$1,802.65	\$3,604.64
710	392.698	593.138	50.671	60.323	50.671	0.000	0.000	\$30,929.90	\$45,076.08	\$23,814.44	\$31,095.76	\$130,916.19	\$2,288.28	\$2,640.57	\$1,630.07
711	5,275.557	2,783.894	348.803	269.907	226.722	344.650	289.506	\$343,185.97	\$182,722.29	\$314,169.37	\$143,529.07	\$983,606.71	\$20,213.24	\$8,518.61	\$17,066.59
712	450.346	237.646	21.053	16.291	13.685	20.803	17.474	\$29,626.27	\$15,797.61	\$27,075.71	\$12,385.60	\$84,885.19	\$1,972.00	\$831.07	\$1,665.01
713															
714	1.146	0.605	0.045	0.035	0.029	0.044	0.037	\$75.69	\$40.34	\$69.19	\$31.63	\$216.85	\$5.24	\$2.21	\$4.42
715	599.668	316.443	70.282	47.176	34.438	67.394	49.198	\$40,689.11	\$21,680.86	\$37,074.01	\$16,795.05	\$116,239.03	\$3,974.29	\$1,663.37	\$3,383.44
716															
717															
718	11.873	12.615	1.806	1.625	1.398	1.625	1.398	\$1,752.03	\$1,780.36	\$709.21	\$653.61	\$4,895.22	\$107.80	\$86.53	\$40.20
719	7.368	7.829	0.636	0.573	0.493	0.573	0.493	\$1,075.73	\$1,081.23	\$439.32	\$401.23	\$2,997.51	\$53.52	\$42.96	\$19.96
720															
721															
722	10.042	10.670	0.645	0.581	0.499	0.581	0.499	\$1,460.03	\$1,447.10	\$628.43	\$569.88	\$4,105.44	\$54.71	\$43.91	\$20.40
723	2.119	2.252	0.275	0.248	0.213	0.248	0.213	\$318.29	\$322.88	\$128.54	\$118.26	\$887.96	\$23.09	\$18.54	\$8.61
724															
725															
726															
727															
728	5.253	6.042	0.249	0.000	0.000	0.000	0.000	\$375.90	\$421.87	\$313.75	\$313.03	\$1,424.55	\$23.13	\$20.50	\$17.79
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736	3.080	3.542	0.516	0.000	0.000	0.000	0.000	\$225.78	\$252.67	\$187.46	\$185.65	\$851.56	\$19.31	\$17.12	\$14.85
737															
738															
739	1.110	1.276	0.258	0.000	0.000	0.000	0.000	\$81.36	\$91.05	\$67.55	\$66.90	\$306.85	\$6.96	\$6.17	\$5.35
740															
741	1.892	2.176	0.095	0.095	0.081	0.095	0.081	\$135.41	\$151.97	\$113.03	\$112.76	\$513.18	\$8.33	\$7.39	\$6.41
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821	12.932	19.533	1.495	1.590	1.495	0.000	0.000	\$1,016.59	\$1,482.29	\$784.32	\$1,025.76	\$4,308.96	\$73.75	\$85.09	\$52.55
822	488.951	258.018	55.695	23.048	21.665	29.862	28.070	\$32,433.60	\$17,274.26	\$29,654.66	\$13,549.73	\$92,912.25	\$2,353.01	\$991.64	\$1,986.71
823	1,024.163	540.448	119.149	49.307	46.349	63.884	60.051	\$67,935.76	\$36,182.85	\$62,114.98	\$28,381.42	\$194,615.01	\$4,928.63	\$2,077.11	\$4,161.38
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1155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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1168	35,160	25,594	4,330	3,954											
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3	s: Energy DRIPE			Sub-Total	Electric Benefits: Capacity								Total	
4	Summer Off-Peak Energy DRIPE Benefits (\$)	Energy Electric Cross DRIPE Benefits (\$)	Total Energy DRIPE Benefits (\$)	Total Electric Energy Benefits (\$)	Summer Generation Benefits (\$)	Winter Generation (\$)	Electric Capacity DRIPE (\$)	Reliability (\$)	PTF Benefits (\$)	Transmission Benefits (\$)	Distribution Benefits (\$)	Total Electric Capacity Benefits (\$)	Total Electric Benefits (\$)	Winter Peak Environmental Benefits (\$)
5														
6														
7														
8	\$15.68	\$21.98	\$ 70.64	\$ 1,233.59	\$921.45	\$0.00	\$0.81	\$0.00	\$1,002.00	\$0.00	\$868.04	\$2,792.31	\$4,025.90	\$56.47
9	\$2.72	\$3.81	\$ 12.25	\$ 213.89	\$159.77	\$0.00	\$0.14	\$0.00	\$173.73	\$0.00	\$150.51	\$484.15	\$698.04	\$9.79
10	\$5.29	\$7.42	\$ 23.83	\$ 416.17	\$310.87	\$0.00	\$0.27	\$0.00	\$338.04	\$0.00	\$292.85	\$942.03	\$1,358.20	\$19.05
11														
12														
13	\$0.86	\$4.35	\$ 16.15	\$ 159.92	\$10.70	\$0.00	\$0.56	\$0.00	\$14.84	\$0.00	\$12.85	\$38.95	\$198.87	\$39.79
14														
15														
16	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17														
18														
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21														
22														
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28														
29	\$92.65	\$137.10	\$ 424.65	\$ 13,057.09	\$8,635.02	\$0.00	\$0.00	\$0.00	\$8,291.35	\$0.00	\$7,182.85	\$24,109.23	\$37,166.32	\$497.48
30	\$36.30	\$53.71	\$ 166.36	\$ 5,115.39	\$3,652.80	\$0.00	\$0.00	\$0.00	\$3,507.42	\$0.00	\$3,038.50	\$10,198.73	\$15,314.12	\$194.90
31	\$39.62	\$58.63	\$ 181.59	\$ 5,583.66	\$3,871.63	\$0.00	\$0.00	\$0.00	\$3,717.54	\$0.00	\$3,220.53	\$10,809.70	\$16,393.36	\$212.74
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47	\$4.31	\$21.25	\$ 80.35	\$ 1,235.12	\$105.75	\$0.00	\$0.95	\$0.00	\$118.49	\$0.00	\$102.65	\$327.85	\$1,562.96	\$308.33
48	\$5.49	\$28.36	\$ 88.22	\$ 942.17	\$93.57	\$0.00	\$31.05	\$0.00	\$172.86	\$0.00	\$149.75	\$447.24	\$1,389.41	\$207.18
49														
50														
51														
52	\$1.14	\$5.89	\$ 18.32	\$ 195.67	\$18.50	\$0.00	\$6.14	\$0.00	\$34.18	\$0.00	\$29.61	\$88.44	\$284.11	\$43.03
53	\$21.93	\$61.06	\$ 220.73	\$ 3,207.65	\$1,443.11	\$0.00	\$24.71	\$0.00	\$1,646.25	\$0.00	\$1,426.16	\$4,540.22	\$7,747.88	\$581.29
54														
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	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	DF
59														
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64														
65	\$0.21	\$0.31	\$ 0.97	\$ 29.75	\$211.97	\$0.00	\$0.00	\$0.00	\$203.53	\$0.00	\$176.32	\$591.81	\$621.56	\$1.13
66	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
67	\$5.20	\$7.69	\$ 23.81	\$ 732.12	\$266.84	\$0.00	\$0.00	\$0.00	\$256.22	\$0.00	\$221.97	\$745.03	\$1,477.15	\$27.89
68	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
69	\$61.92	\$304.98	\$ 1,153.25	\$ 17,727.66	\$561.04	\$0.00	\$5.06	\$0.00	\$628.59	\$0.00	\$544.55	\$1,739.25	\$19,466.91	\$4,425.45
70	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
71														
72														
73	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
74														
75														
76														
77	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
78														
79	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
80														
81	\$0.00	\$7.39	\$ 28.08	\$ 611.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$611.96	\$153.41
82														
83														
84	\$0.00	\$13.09	\$ 50.11	\$ 989.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$989.52	\$249.04
85	\$0.00	\$5.86	\$ 22.41	\$ 442.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$442.57	\$111.39
86	\$0.00	\$3.90	\$ 14.94	\$ 295.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$295.05	\$74.26
87														
88														
89	\$0.01	\$0.01	\$ 0.05	\$ 0.92	\$0.75	\$0.00	\$0.00	\$0.00	\$0.82	\$0.00	\$0.71	\$2.29	\$3.20	\$0.15
90	\$0.31	\$0.86	\$ 3.03	\$ 53.23	\$34.71	\$0.00	\$0.03	\$0.00	\$37.75	\$0.00	\$32.70	\$105.20	\$158.43	\$8.48
91	\$0.64	\$1.76	\$ 6.21	\$ 109.22	\$71.69	\$0.00	\$0.06	\$0.00	\$77.96	\$0.00	\$67.54	\$217.25	\$326.47	\$17.40
92														
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100														
101	\$0.00	\$0.71	\$ 2.27	\$ 31.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.71	\$8.39
102	\$0.00	\$2.55	\$ 8.47	\$ 89.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$89.68	\$23.66
103	-\$145.33	\$2,036.09	\$ 8,475.17	\$ 169,461.35	-\$7,719.98	\$0.00	\$0.00	\$0.00	-\$8,040.68	\$0.00	-\$6,965.69	-\$22,726.35	\$146,735.01	\$73,447.86
104														
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114	\$36.32	\$53.74	\$ 166.47	\$ 5,118.62	\$4,328.26	\$0.00	\$0.00	\$0.00	\$4,156.00	\$0.00	\$3,600.37	\$12,084.63	\$17,203.24	\$195.02
115	\$0.00	\$272.49	\$ 1,007.24	\$ 28,229.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28,229.23	\$6,435.33
116	\$0.00	\$149.97	\$ 149.97	\$ 149.97	\$6,908.53	\$0.00	\$0.00	\$0.00	\$6,633.57	\$0.00	\$5,746.71	\$19,288.80	\$19,438.78	\$0.00
117														
118	\$0.00	\$159.85	\$ 159.85	\$ 159.85	\$7,256.24	\$0.00	\$0.00	\$0.00	\$6,967.45	\$0.00	\$6,035.94	\$20,259.63	\$20,419.48	\$0.00
119														

	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	DF
120	\$38.53	\$192.09	\$ 719.92	\$ 12,527.79	\$595.79	\$0.00	\$0.52	\$0.00	\$647.88	\$0.00	\$561.26	\$1,805.45	\$14,333.24	\$3,106.79
121	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
122														
123	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
124														
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131														
132														
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134														
135														
136	\$9.88	\$46.07	\$ 149.63	\$ 1,419.03	\$140.50	\$0.00	\$5.40	\$0.00	\$248.94	\$0.00	\$215.66	\$610.50	\$2,029.53	\$310.07
137	\$1.69	\$7.89	\$ 25.62	\$ 243.01	\$24.06	\$0.00	\$0.93	\$0.00	\$42.63	\$0.00	\$36.93	\$104.55	\$347.56	\$53.10
138	\$3.04	\$8.45	\$ 30.56	\$ 444.09	\$71.37	\$0.00	\$1.22	\$0.00	\$81.41	\$0.00	\$70.53	\$224.53	\$668.62	\$80.48
139	\$2.65	\$9.97	\$ 37.31	\$ 499.83	\$827.72	\$0.00	\$28.62	\$0.00	\$969.69	\$0.00	\$840.04	\$2,666.07	\$3,165.90	\$111.23
140	\$3.75	\$15.34	\$ 57.64	\$ 828.17	\$121.27	\$0.00	\$2.08	\$0.00	\$138.34	\$0.00	\$119.85	\$381.54	\$1,209.71	\$196.09
141														
142														
143														
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148														
149														
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151														
152														
153	\$0.00	\$198.70	\$ 764.59	\$ 13,549.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,549.82	\$3,338.55
154	\$2.91	\$8.26	\$ 29.27	\$ 515.04	\$160.82	\$0.00	\$0.14	\$0.00	\$174.88	\$0.00	\$151.50	\$487.35	\$1,002.39	\$84.07
155	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
156	\$6.88	\$19.55	\$ 69.29	\$ 1,219.29	\$613.88	\$0.00	\$0.54	\$0.00	\$667.54	\$0.00	\$578.29	\$1,860.25	\$3,079.53	\$199.02
157	\$23.92	\$68.00	\$ 241.00	\$ 4,240.65	\$3,029.85	\$0.00	\$2.66	\$0.00	\$3,294.72	\$0.00	\$2,854.23	\$9,181.46	\$13,422.11	\$692.19
158	\$28.27	\$80.35	\$ 284.76	\$ 5,010.64	\$2,618.54	\$0.00	\$2.30	\$0.00	\$2,847.45	\$0.00	\$2,466.77	\$7,935.06	\$12,945.70	\$817.88
159														
160	\$1.45	\$7.38	\$ 27.41	\$ 271.34	\$18.13	\$0.00	\$0.94	\$0.00	\$25.13	\$0.00	\$21.77	\$65.98	\$337.31	\$67.51
161	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
162														
163	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
164	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
165														
166														
167														
168														
169														
170	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
171														
172														
173														
174	\$0.00	\$446.05	\$ 1,649.56	\$ 46,221.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46,221.03	\$10,585.44
175	\$33.13	\$95.48	\$ 324.46	\$ 9,492.25	\$553.68	\$0.00	\$0.00	\$0.00	\$531.64	\$0.00	\$460.56	\$1,545.88	\$11,038.13	\$1,334.86
176														
177	\$193.35	\$557.27	\$ 1,893.66	\$ 55,400.78	\$17,208.21	\$0.00	\$0.00	\$0.00	\$16,523.34	\$0.00	\$14,314.28	\$48,045.83	\$103,446.61	\$7,790.83
178	\$33.03	\$95.21	\$ 323.52	\$ 9,464.93	\$6,157.85	\$0.00	\$0.00	\$0.00	\$5,912.77	\$0.00	\$5,122.27	\$17,192.90	\$26,657.83	\$1,331.02
179	\$229.92	\$662.68	\$ 2,251.83	\$ 65,879.29	\$2,975.65	\$0.00	\$0.00	\$0.00	\$2,857.23	\$0.00	\$2,475.23	\$8,308.11	\$74,187.40	\$9,264.39
180														

	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	DF
181														
182														
183														
184														
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186														
187														
188														
189														
190														
191	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
192	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
193														
194														
195	\$26.76	\$138.17	\$ 429.76	\$ 4,589.73	\$285.09	\$0.00	\$94.61	\$0.00	\$526.67	\$0.00	\$456.26	\$1,362.63	\$5,952.37	\$1,009.29
196														
197														
198														
199														
200	\$30.87	\$85.97	\$ 310.82	\$ 4,516.76	\$521.29	\$0.00	\$8.93	\$0.00	\$594.67	\$0.00	\$515.17	\$1,640.07	\$6,156.83	\$818.53
201														
202														
203														
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206														
207														
208														
209														
210	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
211														
212														
213														
214														
215	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
216														
217														
218														
219														
220	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
221														
222														
223														
224														
225														
226														
227	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
228														
229	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
230	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
231														
232														
233														
234														
235	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
236	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
237														
238	\$0.00	\$24.86	\$ 94.47	\$ 2,058.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,058.53	\$516.04
239	\$0.00	\$40.50	\$ 154.38	\$ 3,206.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,206.99	\$802.05
240	\$18.38	\$26.22	\$ 83.26	\$ 1,751.74	\$620.81	\$0.00	\$0.00	\$0.00	\$646.59	\$0.00	\$560.15	\$1,827.55	\$3,579.28	\$76.80
241	\$45.48	\$57.77	\$ 179.30	\$ 3,794.79	\$1,363.11	\$0.00	\$0.00	\$0.00	\$1,419.74	\$0.00	\$1,229.93	\$4,012.78	\$7,807.57	\$74.02

	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	DF
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250														
251	\$2,834.57	\$13,214.63	\$ 42,918.01	\$ 407,013.85	\$40,298.16	\$0.00	\$1,549.67	\$0.00	\$71,402.96	\$0.00	\$61,856.85	\$175,107.64	\$582,121.50	\$88,935.02
252														
253	\$613.25	\$2,858.93	\$ 9,285.14	\$ 88,055.79	\$8,718.34	\$0.00	\$335.27	\$0.00	\$15,447.74	\$0.00	\$13,382.48	\$37,883.83	\$125,939.62	\$19,240.73
254	\$354.53	\$1,830.73	\$ 5,694.33	\$ 60,813.68	\$5,797.50	\$0.00	\$1,923.88	\$0.00	\$10,710.25	\$0.00	\$9,278.36	\$27,709.99	\$88,523.67	\$13,372.99
255														
256														
257														
258														
259	\$66.62	\$310.58	\$ 1,008.68	\$ 9,565.81	\$947.10	\$0.00	\$36.42	\$0.00	\$1,678.14	\$0.00	\$1,453.79	\$4,115.45	\$13,681.27	\$2,090.19
260														
261														
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268														
269														
270														
271	\$423.62	\$604.21	\$ 1,918.89	\$ 40,374.27	\$6,287.71	\$0.00	\$0.00	\$0.00	\$6,548.91	\$0.00	\$5,673.36	\$18,509.98	\$58,884.26	\$1,770.13
272	\$0.00	\$2,311.48	\$ 8,777.19	\$ 182,733.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$182,733.61	\$44,073.18
273	\$185.13	\$832.22	\$ 3,121.51	\$ 48,152.94	\$4,953.74	\$0.00	\$44.69	\$0.00	\$5,550.21	\$0.00	\$4,808.19	\$15,356.84	\$63,509.78	\$11,382.44
274	\$24.19	\$108.73	\$ 407.83	\$ 6,291.23	\$647.15	\$0.00	\$5.84	\$0.00	\$725.07	\$0.00	\$628.13	\$2,006.19	\$8,297.42	\$1,487.13
275														
276	\$155.58	\$636.51	\$ 2,391.86	\$ 34,369.03	\$5,032.84	\$0.00	\$86.18	\$0.00	\$5,741.30	\$0.00	\$4,973.73	\$15,834.05	\$50,203.08	\$8,137.86
277	\$41.01	\$167.77	\$ 630.46	\$ 9,059.18	\$1,326.58	\$0.00	\$22.71	\$0.00	\$1,513.32	\$0.00	\$1,311.00	\$4,173.63	\$13,232.80	\$2,145.02
278	\$0.83	\$3.40	\$ 12.77	\$ 183.55	\$26.88	\$0.00	\$0.46	\$0.00	\$30.66	\$0.00	\$26.56	\$84.56	\$268.11	\$43.46
279	\$0.00	\$4.57	\$ 17.66	\$ 312.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$312.18	\$80.14
280														
281	\$11.86	\$16.91	\$ 53.72	\$ 1,130.28	\$855.63	\$0.00	\$0.00	\$0.00	\$891.18	\$0.00	\$772.03	\$2,518.85	\$3,649.13	\$49.56
282	\$49.69	\$60.86	\$ 193.63	\$ 2,199.67	\$1,362.10	\$0.00	\$79.52	\$0.00	\$1,692.38	\$0.00	\$1,466.12	\$4,600.12	\$6,799.79	\$45.55
283	\$93.00	\$349.62	\$ 1,308.99	\$ 17,536.31	\$2,526.87	\$0.00	\$87.36	\$0.00	\$2,960.25	\$0.00	\$2,564.48	\$8,138.96	\$25,675.27	\$3,902.40
284	\$89.51	\$336.53	\$ 1,259.95	\$ 16,879.36	\$2,432.21	\$0.00	\$84.08	\$0.00	\$2,849.35	\$0.00	\$2,468.41	\$7,834.05	\$24,713.41	\$3,756.21
285	\$153.67	\$300.36	\$ 1,046.58	\$ 15,187.36	\$3,470.39	\$0.00	\$59.42	\$0.00	\$3,958.91	\$0.00	\$3,429.63	\$10,918.35	\$26,105.71	\$2,168.84
286														
287														
288	\$60.46	\$168.35	\$ 608.65	\$ 8,844.72	\$1,421.40	\$0.00	\$24.34	\$0.00	\$1,621.49	\$0.00	\$1,404.70	\$4,471.93	\$13,316.65	\$1,602.84
289	\$46.34	\$129.05	\$ 466.56	\$ 6,779.85	\$1,089.56	\$0.00	\$18.66	\$0.00	\$1,242.94	\$0.00	\$1,076.77	\$3,427.92	\$10,207.78	\$1,228.65
290	\$1,372.30	\$2,060.51	\$ 6,806.55	\$ 83,364.98	\$58,352.69	\$0.00	\$2,930.79	\$0.00	\$70,073.72	\$0.00	\$60,705.33	\$192,062.53	\$275,427.51	\$2,834.18
291	\$192.11	\$609.80	\$ 2,227.53	\$ 25,801.43	\$3,006.64	\$0.00	\$175.52	\$0.00	\$3,735.69	\$0.00	\$3,236.25	\$10,154.11	\$35,955.53	\$4,826.05
292	\$11.76	\$32.11	\$ 113.39	\$ 1,995.02	\$642.36	\$0.00	\$0.56	\$0.00	\$698.52	\$0.00	\$605.13	\$1,946.58	\$3,941.60	\$317.82
293	\$327.67	\$1,040.64	\$ 3,455.25	\$ 31,754.91	\$3,568.49	\$0.00	\$37.50	\$0.00	\$5,651.46	\$0.00	\$4,895.89	\$14,153.34	\$45,908.25	\$5,737.83
294	\$54.19	\$152.29	\$ 499.55	\$ 4,591.67	\$582.35	\$0.00	\$6.12	\$0.00	\$922.28	\$0.00	\$798.98	\$2,309.73	\$6,901.40	\$762.52
295	\$28.69	\$95.31	\$ 305.88	\$ 2,812.29	\$278.95	\$0.00	\$5.82	\$0.00	\$469.58	\$0.00	\$406.80	\$1,161.15	\$3,973.43	\$502.61
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320	\$717.43	\$3,983.53	\$ 11,963.88	\$ 169,360.54	\$16,461.59	\$0.00	\$8,526.13	\$0.00	\$29,818.97	\$0.00	\$25,832.37	\$80,639.06	\$249,999.59	\$37,327.75
321														
322														
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333	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
334														
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349														
350	\$4,188.99	\$10,976.13	\$ 38,948.65	\$ 503,647.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$503,647.62	\$60,959.96
351														
352														
353	\$508.01	\$1,680.33	\$ 6,060.14	\$ 106,862.47	\$16,203.25	\$0.00	\$14.23	\$0.00	\$17,619.72	\$0.00	\$15,264.08	\$49,101.27	\$155,963.74	\$20,227.87
354	\$91.25	\$355.45	\$ 1,306.90	\$ 22,809.57	\$4,023.05	\$0.00	\$3.53	\$0.00	\$4,374.74	\$0.00	\$3,789.86	\$12,191.18	\$35,000.75	\$5,026.73
355	\$906.24	\$2,980.86	\$ 10,750.30	\$ 189,646.75	\$23,694.02	\$0.00	\$20.81	\$0.00	\$25,765.31	\$0.00	\$22,320.66	\$71,800.79	\$261,447.55	\$35,999.90
356	\$1,370.09	\$3,743.82	\$ 13,630.68	\$ 170,554.66	\$27,686.43	\$0.00	\$1,390.56	\$0.00	\$33,247.67	\$0.00	\$28,802.68	\$91,127.34	\$261,682.00	\$29,915.98
357														
358														
359	\$262.52	\$519.46	\$ 1,818.22	\$ 22,940.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22,940.89	\$2,958.61
360	\$3,365.41	\$6,659.22	\$ 23,308.68	\$ 294,090.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$294,090.48	\$37,927.91
361	\$3,051.09	\$9,672.98	\$ 35,718.21	\$ 436,448.68	\$52,623.91	\$0.00	\$2,643.06	\$0.00	\$63,194.23	\$0.00	\$54,745.58	\$173,206.78	\$609,655.46	\$83,050.49
362	\$9,394.85	\$29,784.83	\$ 109,982.77	\$ 1,343,903.69	\$166,228.16	\$0.00	\$8,348.89	\$0.00	\$199,617.65	\$0.00	\$172,930.08	\$547,124.78	\$1,891,028.47	\$255,727.34
363	\$195.13	\$632.62	\$ 2,343.27	\$ 28,680.38	\$3,513.31	\$0.00	\$176.46	\$0.00	\$4,219.02	\$0.00	\$3,654.96	\$11,563.75	\$40,244.13	\$5,610.83

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371	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
372	\$39.10	\$86.39	\$ 299.47	\$ 5,283.67	\$750.80	\$0.00	\$0.66	\$0.00	\$816.44	\$0.00	\$707.29	\$2,275.19	\$7,558.85	\$760.59
373														
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390	\$3,653.98	\$8,551.01	\$ 29,828.43	\$ 525,287.08	\$18,013.06	\$0.00	\$15.82	\$0.00	\$19,587.74	\$0.00	\$16,968.98	\$54,585.60	\$579,872.68	\$78,952.05
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412														
413	\$347.51	\$395.67	\$ 1,218.57	\$ 21,426.39	\$18,264.76	\$0.00	\$16.04	\$0.00	\$19,861.43	\$0.00	\$17,206.09	\$55,348.32	\$76,774.70	\$0.00
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476	\$200.37	\$698.70	\$ 2,429.80	\$ 22,494.11	\$3,526.49	\$0.00	\$13.31	\$0.00	\$5,259.19	\$0.00	\$4,556.07	\$13,355.05	\$35,849.16	\$4,289.53
477														
478	\$11.80	\$38.04	\$ 138.79	\$ 2,049.23	\$489.03	\$0.00	\$6.07	\$0.00	\$552.07	\$0.00	\$478.26	\$1,525.43	\$3,574.66	\$392.14
479	\$106.85	\$340.95	\$ 1,253.09	\$ 16,552.12	\$3,816.21	\$0.00	\$132.47	\$0.00	\$4,471.71	\$0.00	\$3,873.88	\$12,294.26	\$28,846.38	\$3,161.84
480														
481	\$207.00	\$658.54	\$ 2,425.60	\$ 30,925.37	\$4,518.46	\$0.00	\$187.47	\$0.00	\$5,352.03	\$0.00	\$4,636.50	\$14,694.47	\$45,619.83	\$5,897.34
482	\$95.39	\$352.79	\$ 1,176.15	\$ 10,556.09	\$821.37	\$0.00	\$10.79	\$0.00	\$1,321.61	\$0.00	\$1,144.92	\$3,298.69	\$13,854.79	\$2,014.45
483														
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578	\$9.37	\$24.34	\$ 88.17	\$ 1,080.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,080.74	\$182.08
579	\$6.46	\$131.15	\$ 502.03	\$ 11,280.07	\$834.78	\$0.00	\$0.00	\$0.00	\$847.74	\$0.00	\$734.41	\$2,416.93	\$13,697.00	\$3,255.80
580														
581	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
582	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
583	\$0.00	\$45.44	\$ 182.77	\$ 2,142.85	\$212.74	\$0.00	\$10.68	\$0.00	\$255.47	\$0.00	\$221.31	\$700.20	\$2,843.05	\$643.75
584														
585														
586														
587	\$26.22	\$86.05	\$ 315.92	\$ 3,571.09	\$323.63	\$0.00	\$18.89	\$0.00	\$402.11	\$0.00	\$348.35	\$1,092.98	\$4,664.08	\$698.89
588														
589	\$3,853.67	\$7,625.36	\$ 26,690.36	\$ 336,757.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$336,757.94	\$43,430.60
590	\$265.32	\$855.05	\$ 3,119.92	\$ 46,063.90	\$8,032.27	\$0.00	\$99.64	\$0.00	\$9,067.72	\$0.00	\$7,855.42	\$25,055.06	\$71,118.96	\$8,814.71
591	\$7,991.03	\$25,497.45	\$ 93,711.87	\$ 1,237,843.60	\$179,714.32	\$0.00	\$6,238.10	\$0.00	\$210,583.75	\$0.00	\$182,430.08	\$578,966.24	\$1,816,809.85	\$236,456.98
592	\$69.06	\$223.90	\$ 829.33	\$ 10,150.59	\$2,097.29	\$0.00	\$105.34	\$0.00	\$2,518.56	\$0.00	\$2,181.84	\$6,903.02	\$17,053.61	\$1,985.79
593														
594														
595														
596	\$0.00	\$2.03	\$ 8.90	\$ 104.09	\$56.88	\$0.00	\$2.86	\$0.00	\$68.31	\$0.00	\$59.18	\$187.23	\$291.31	\$52.33
597														
598	\$25.11	\$65.20	\$ 236.17	\$ 2,894.83	\$1,091.33	\$0.00	\$54.81	\$0.00	\$1,310.54	\$0.00	\$1,135.33	\$3,592.02	\$6,486.85	\$487.72
599														
600	\$52.92	\$139.19	\$ 499.54	\$ 7,118.75	\$166.86	\$0.00	\$2.86	\$0.00	\$190.35	\$0.00	\$164.90	\$524.98	\$7,643.73	\$1,206.50
601	\$37.92	\$83.78	\$ 290.43	\$ 5,124.13	\$1,454.96	\$0.00	\$1.28	\$0.00	\$1,582.15	\$0.00	\$1,370.63	\$4,409.02	\$9,533.15	\$737.63
602														
603														
604														
605	\$80.82	\$173.05	\$ 613.46	\$ 7,673.51	\$968.10	\$0.00	\$48.62	\$0.00	\$1,162.56	\$0.00	\$1,007.13	\$3,186.41	\$10,859.92	\$1,108.18
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613	\$47.32	\$101.32	\$ 359.18	\$ 4,492.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,492.90	\$648.85
614														
615														
616														
617	\$0.00	\$1.70	\$ 6.54	\$ 115.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$115.90	\$28.56
618														
619	\$78.65	\$184.07	\$ 642.07	\$ 11,307.09	\$496.09	\$0.00	\$0.44	\$0.00	\$539.46	\$0.00	\$467.34	\$1,503.33	\$12,810.42	\$1,699.49
620	\$133.87	\$313.27	\$ 1,092.78	\$ 19,244.10	\$3,529.42	\$0.00	\$3.10	\$0.00	\$3,837.96	\$0.00	\$3,324.85	\$10,695.33	\$29,939.42	\$2,892.44
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635	\$15.66	\$41.96	\$ 148.60	\$ 2,573.50	\$1,221.72	\$0.00	\$1.07	\$0.00	\$1,328.52	\$0.00	\$1,150.91	\$3,702.23	\$6,275.73	\$431.54
636	\$56.98	\$149.86	\$ 537.82	\$ 7,664.19	\$5,148.01	\$0.00	\$88.15	\$0.00	\$5,872.69	\$0.00	\$5,087.55	\$16,196.39	\$23,860.59	\$1,298.94
637	\$18.18	\$47.21	\$ 171.01	\$ 2,096.10	\$564.42	\$0.00	\$28.35	\$0.00	\$677.79	\$0.00	\$587.17	\$1,857.72	\$3,953.82	\$353.15
638														
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643														
644	\$0.25	\$0.70	\$ 2.55	\$ 37.01	\$6.08	\$0.00	\$0.10	\$0.00	\$6.93	\$0.00	\$6.01	\$19.12	\$56.13	\$6.71
645														
646														
647	\$251.32	\$992.01	\$ 3,655.40	\$ 63,678.10	\$10,977.74	\$0.00	\$9.64	\$0.00	\$11,937.39	\$0.00	\$10,341.44	\$33,266.21	\$96,944.30	\$14,299.31
648	\$101.83	\$346.49	\$ 1,252.33	\$ 22,214.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22,214.15	\$4,225.02
649														
650	\$62.97	\$128.56	\$ 440.10	\$ 7,827.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,827.12	\$1,006.72
651														
652	\$264.47	\$865.10	\$ 3,122.68	\$ 53,898.57	\$13,051.49	\$0.00	\$11.46	\$0.00	\$14,192.43	\$0.00	\$12,295.00	\$39,550.38	\$93,448.94	\$10,211.84
653														
654														
655	\$122.81	\$306.80	\$ 1,080.38	\$ 18,908.60	\$6,822.21	\$0.00	\$5.99	\$0.00	\$7,418.60	\$0.00	\$6,426.78	\$20,673.58	\$39,582.18	\$3,095.68
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688	\$269.33	\$459.09	\$ 1,533.21	\$ 21,806.48	\$5,775.23	\$0.00	\$98.89	\$0.00	\$6,588.19	\$0.00	\$5,707.40	\$18,169.71	\$39,976.18	\$1,296.31
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699														
700	\$14.58	\$40.18	\$ 139.44	\$ 3,208.04	\$619.92	\$0.00	\$0.00	\$0.00	\$629.55	\$0.00	\$545.38	\$1,794.85	\$5,002.89	\$506.39
701														
702	\$6.49	\$17.08	\$ 61.29	\$ 873.49	\$40.89	\$0.00	\$0.70	\$0.00	\$46.64	\$0.00	\$40.41	\$128.64	\$1,002.12	\$148.04
703	\$9.29	\$24.11	\$ 87.34	\$ 1,070.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,070.51	\$180.36
704														
705														
706	\$245.69	\$418.80	\$ 1,398.64	\$ 19,892.47	\$3,489.41	\$0.00	\$59.75	\$0.00	\$3,980.61	\$0.00	\$3,448.43	\$10,978.19	\$30,870.67	\$1,182.53
707	\$30.92	\$81.33	\$ 291.88	\$ 4,159.46	\$282.20	\$0.00	\$4.83	\$0.00	\$321.92	\$0.00	\$278.88	\$887.84	\$5,047.29	\$704.95
708														
709	\$1,270.21	\$4,429.34	\$ 15,403.46	\$ 142,598.82	\$21,263.25	\$0.00	\$80.23	\$0.00	\$31,710.69	\$0.00	\$27,471.18	\$80,525.35	\$223,124.17	\$27,193.01
710	\$1,661.56	\$3,298.13	\$ 11,518.60	\$ 142,434.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$142,434.78	\$18,375.06
711	\$6,076.99	\$19,584.41	\$ 71,459.85	\$ 1,055,066.55	\$292,932.47	\$0.00	\$3,633.91	\$0.00	\$330,694.74	\$0.00	\$286,483.03	\$913,744.15	\$1,968,810.70	\$201,895.72
712	\$592.87	\$1,891.70	\$ 6,952.65	\$ 91,837.85	\$15,067.41	\$0.00	\$523.01	\$0.00	\$17,655.53	\$0.00	\$15,295.10	\$48,541.05	\$140,378.89	\$17,543.17
713														
714	\$1.58	\$5.01	\$ 18.46	\$ 235.30	\$30.63	\$0.00	\$1.27	\$0.00	\$36.28	\$0.00	\$31.43	\$99.62	\$334.93	\$44.87
715	\$1,182.11	\$4,371.94	\$ 14,575.14	\$ 130,814.17	\$13,763.68	\$0.00	\$180.79	\$0.00	\$22,146.22	\$0.00	\$19,185.42	\$55,276.11	\$186,090.29	\$24,963.61
716														
717														
718	\$28.82	\$98.55	\$ 361.90	\$ 5,257.12	\$1,342.56	\$0.00	\$22.99	\$0.00	\$1,531.55	\$0.00	\$1,326.79	\$4,223.89	\$9,481.01	\$1,035.41
719	\$14.31	\$49.84	\$ 180.58	\$ 3,178.09	\$607.87	\$0.00	\$0.53	\$0.00	\$661.01	\$0.00	\$572.63	\$1,842.04	\$5,020.13	\$621.29
720														
721														
722	\$14.63	\$52.41	\$ 186.05	\$ 4,291.49	\$850.50	\$0.00	\$0.00	\$0.00	\$863.71	\$0.00	\$748.24	\$2,462.45	\$6,753.95	\$800.60
723	\$6.17	\$20.84	\$ 77.25	\$ 965.22	\$164.18	\$0.00	\$8.25	\$0.00	\$197.16	\$0.00	\$170.80	\$540.38	\$1,505.60	\$188.97
724														
725														
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728	\$13.80	\$29.94	\$ 105.16	\$ 1,529.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,529.71	\$222.15
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736	\$11.53	\$25.22	\$ 88.03	\$ 939.59	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$939.59	\$136.02
737														
738														
739	\$4.15	\$9.09	\$ 31.72	\$ 338.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$338.57	\$49.01
740														
741	\$4.97	\$10.78	\$ 37.88	\$ 551.06	\$78.14	\$0.00	\$1.34	\$0.00	\$89.14	\$0.00	\$77.22	\$245.83	\$796.89	\$80.03
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821	\$53.55	\$105.97	\$ 370.91	\$ 4,679.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,679.87	\$603.55
822	\$707.42	\$2,242.75	\$ 8,281.53	\$ 101,193.78	\$21,636.02	\$0.00	\$1,086.68	\$0.00	\$25,981.95	\$0.00	\$22,508.33	\$71,212.97	\$172,406.75	\$19,255.86
823	\$1,481.76	\$4,697.69	\$ 17,346.57	\$ 211,961.59	\$46,286.11	\$0.00	\$2,324.74	\$0.00	\$55,583.39	\$0.00	\$48,152.25	\$152,346.49	\$364,308.08	\$40,333.53
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1155	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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2	47	48	49								
3	Environmental Externalities (Non-Embedded Costs)				TOTAL	TOTAL	TOTAL	TOTAL			
4	Winter Off-Peak Environmental Benefits (\$)	Summer Peak Environmental Benefits (\$)	Summer Off-Peak Environmental Benefits (\$)	Total Avoided Environmental Benefits (\$)	Total Benefits (Legacy NH TRC)	Total Benefits (Granite State Test)	Total Benefits (Utility Cost Test)	Total Benefits (Secondary GST)	GST measure B/C	Mary notes	kwh/summer kw
5											
6											
7											
8	\$33.64	\$394.77	\$354.58	\$839.45	\$ 14,326.42	\$ 14,326.42	\$ 4,025.90	\$ 15,165.87	2.7		1813
9	\$5.83	\$68.45	\$61.48	\$145.55	\$ 22,651.20	\$ 22,651.20	\$ 698.04	\$ 22,796.75	3.3		1813
10	\$11.35	\$133.18	\$119.62	\$283.20	\$ 26,511.54	\$ 26,511.54	\$ 1,358.20	\$ 26,794.74	5.4		1813
11											
12											
13	\$30.73	\$14.21	\$11.16	\$95.88	\$ 291.10	\$ 291.10	\$ 198.87	\$ 386.98	2.9		13267
14											
15											
16	\$0.00	\$0.00	\$0.00	\$0.00	\$ 102.44	\$ 102.44	\$ -	\$ 102.44	2.9		
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29	\$296.33	\$3,477.68	\$3,123.62	\$7,395.11	\$ 136,987.66	\$ 136,987.66	\$ 37,166.32	\$ 144,382.77	2.3		2019
30	\$116.10	\$1,362.45	\$1,223.74	\$2,897.19	\$ 193,258.35	\$ 193,258.35	\$ 15,314.12	\$ 196,155.55	3.5		1870
31	\$126.72	\$1,487.17	\$1,335.77	\$3,162.40	\$ 156,227.70	\$ 156,227.70	\$ 16,393.36	\$ 159,390.10	3.4		1925
32											
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44											
45											
46											
47	\$238.10	\$110.10	\$86.46	\$743.00	\$ 1,562.96	\$ 1,562.96	\$ 1,562.96	\$ 2,305.96	0.2		13183
48	\$185.13	\$109.46	\$87.47	\$589.24	\$ 884.06	\$ 884.06	\$ 1,389.41	\$ 1,473.30	0.7		6893
49											
50											
51											
52	\$38.45	\$22.73	\$18.17	\$122.37	\$ 179.16	\$ 179.16	\$ 284.11	\$ 301.53	0.1		7240
53	\$654.12	\$355.01	\$410.21	\$2,000.64	\$ 7,747.88	\$ 7,747.88	\$ 7,747.88	\$ 9,748.51	0.6		2550
54											
55											
56											
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	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
59											
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64											
65	\$0.68	\$7.92	\$7.12	\$16.85	\$ 4,380.60	\$ 4,380.60	\$ 621.56	\$ 4,397.45	0.4		
66	\$0.00	\$0.00	\$0.00	\$0.00	\$ 7,108.62	\$ 7,108.62	\$ -	\$ 7,108.62	1.4		
67	\$16.62	\$195.00	\$175.14	\$414.65	\$ 4,366.78	\$ 4,366.78	\$ 1,477.15	\$ 4,781.43	1.8		
68	\$0.00	\$0.00	\$0.00	\$0.00	\$ 2,257.70	\$ 2,257.70	\$ -	\$ 2,257.70	2.9		
69	\$3,417.47	\$1,580.33	\$1,241.00	\$10,664.24	\$ 19,466.91	\$ 19,466.91	\$ 19,466.91	\$ 30,131.15	1.5		
70	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0		
71											
72											
73	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0		
74											
75											
76											
77	\$0.00	\$0.00	\$0.00	\$0.00	\$ 866,839.59	\$ 866,839.59	\$ -	\$ 866,839.59			
78											
79	\$0.00	\$0.00	\$0.00	\$0.00	\$ 2,610.62	\$ 2,610.62	\$ -	\$ 2,610.62	0.2		
80											
81	\$191.41	\$0.00	\$0.00	\$344.81	\$ 52,129.49	\$ 52,129.49	\$ 611.96	\$ 52,474.31	0.9		
82											
83											
84	\$316.22	\$0.00	\$0.00	\$565.26	\$ 55,807.41	\$ 55,807.41	\$ 989.52	\$ 56,372.67	1.1		
85	\$141.43	\$0.00	\$0.00	\$252.82	\$ 8,445.95	\$ 8,445.95	\$ 442.57	\$ 8,698.77	0.3		
86	\$94.29	\$0.00	\$0.00	\$168.55	\$ 18,524.35	\$ 18,524.35	\$ 295.05	\$ 18,692.90	1.6		
87											
88											
89	\$0.17	\$0.13	\$0.12	\$0.57	\$ 1,054.89	\$ 1,054.89	\$ 3.20	\$ 1,055.46	6.6		1488
90	\$10.11	\$7.56	\$7.10	\$33.25	\$ 2,490.33	\$ 2,490.33	\$ 158.43	\$ 2,523.57	3.9		1876
91	\$20.75	\$15.51	\$14.56	\$68.21	\$ 1,894.23	\$ 1,894.23	\$ 326.47	\$ 1,962.44	14.4		1864
92											
93											
94											
95											
96											
97											
98											
99											
100											
101	\$10.66	\$0.00	\$0.00	\$19.05	\$ 413.16	\$ 413.16	\$ 31.71	\$ 432.21	0.1		
102	\$30.04	\$0.00	\$0.00	\$53.70	\$ 798.09	\$ 798.09	\$ 89.68	\$ 851.79	0.1		
103	\$29,377.09	-\$7,666.11	-\$3,813.08	\$91,345.76	\$ 146,735.01	\$ 146,735.01	\$ 146,735.01	\$ 238,080.76	14.000		-24194
104											
105											
106											
107											
108											
109											
110											
111											
112											
113											
114	\$116.17	\$1,363.31	\$1,224.51	\$2,899.02	\$ 21,504.05	\$ 17,203.24	\$ 17,203.24	\$ 24,403.07	ok		1579
115	\$8,740.91	\$0.00	\$0.00	\$15,176.24	\$ 35,286.54	\$ 28,229.23	\$ 28,229.23	\$ 50,462.78	28.2	too much savings?	
116	\$0.00	\$0.00	\$0.00	\$0.00	\$ 108,768.24	\$ 89,037.04	\$ 19,438.78	\$ 108,768.24	9.7		2760
117											
118	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,334,139.16	\$ 1,078,610.91	\$ 20,419.48	\$ 1,334,139.16	45.6	too much savings?	2801
119											

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
120	\$2,399.17	\$1,109.44	\$871.22	\$7,486.61	\$ 17,916.55	\$ 14,333.24	\$ 14,333.24	\$ 25,403.16		ok	24510
121	\$0.00	\$0.00	\$0.00	\$0.00	\$ 7,121.44	\$ 5,841.20	\$ -	\$ 7,121.44		ok	
122											
123	\$0.00	\$0.00	\$0.00	\$0.00	\$ 78,032.37	\$ 62,922.43	\$ -	\$ 78,032.37		ok	
124											
125											
126											
127											
128											
129											
130											
131											
132											
133											
134											
135											
136	\$277.05	\$163.81	\$130.91	\$881.84	\$ 1,564.38	\$ 1,243.27	\$ 2,029.53	\$ 2,446.22	0.1		7181
137	\$47.45	\$28.05	\$22.42	\$151.02	\$ 267.90	\$ 212.91	\$ 347.56	\$ 418.91	0.1		7181
138	\$90.56	\$49.15	\$56.79	\$276.98	\$ 835.77	\$ 668.62	\$ 668.62	\$ 1,112.75	3.0		7138
139	\$93.22	\$54.39	\$45.97	\$304.81	\$ 5,499.19	\$ 4,677.17	\$ 3,165.90	\$ 5,804.00	31.2	31.7 w/ 0.279 kW in	656
140	\$154.06	\$82.90	\$70.14	\$503.19	\$ 1,512.14	\$ 1,209.71	\$ 1,209.71	\$ 2,015.33	9.7		7622
141											
142											
143											
144											
145											
146											
147											
148											
149											
150											
151											
152											
153	\$4,496.16	\$0.00	\$0.00	\$7,834.71	\$ 25,784.15	\$ 20,716.92	\$ 13,549.82	\$ 33,618.86	4.2		
154	\$100.33	\$70.56	\$65.71	\$320.66	\$ 22,617.87	\$ 18,471.94	\$ 1,002.39	\$ 22,938.53	2.0		3904
155	\$0.00	\$0.00	\$0.00	\$0.00	\$ 7,899.30	\$ 6,407.20	\$ -	\$ 7,899.30	7.9		
156	\$237.51	\$167.03	\$155.55	\$759.12	\$ 347,351.51	\$ 281,111.53	\$ 3,079.53	\$ 348,110.63	6.1		2421
157	\$826.07	\$580.94	\$541.00	\$2,640.20	\$ 107,240.69	\$ 86,364.50	\$ 13,422.11	\$ 109,880.89	8.6		1706
158	\$976.06	\$686.42	\$639.24	\$3,119.60	\$ 49,277.34	\$ 39,511.58	\$ 12,945.70	\$ 52,396.94	7.0		2333
159											
160	\$52.13	\$24.11	\$18.93	\$162.68	\$ 588.89	\$ 504.56	\$ 337.31	\$ 751.57	7.1		13290
161	\$0.00	\$0.00	\$0.00	\$0.00	\$ 90.82	\$ 86.41	\$ -	\$ 90.82	8.2		
162											
163	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,683.70	\$ 1,450.59	\$ -	\$ 1,683.70	5.2		
164	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,085.68	\$ 919.66	\$ -	\$ 1,085.68	7.2		
165											
166											
167											
168											
169											
170	\$0.00	\$0.00	\$0.00	\$0.00	\$ 856.74	\$ 748.87	\$ -	\$ 856.74	11.1	small savings, but d	
171											
172											
173											
174	\$14,255.86	\$0.00	\$0.00	\$24,841.30	\$ 57,776.29	\$ 46,221.03	\$ 46,221.03	\$ 82,617.59	1.6		
175	\$1,591.60	\$1,189.84	\$1,116.84	\$5,233.14	\$ 146,011.64	\$ 119,974.90	\$ 11,038.13	\$ 151,244.79	2.0		21927
176											
177	\$9,289.25	\$6,944.38	\$6,518.37	\$30,542.84	\$ 1,591,034.96	\$ 1,290,421.42	\$ 103,446.61	\$ 1,621,577.80	3.2		4118
178	\$1,587.02	\$1,186.41	\$1,113.63	\$5,218.08	\$ 413,123.83	\$ 333,590.15	\$ 26,657.83	\$ 418,341.92	4.3		1966
179	\$11,046.22	\$8,257.85	\$7,751.26	\$36,319.71	\$ 210,234.49	\$ 168,425.32	\$ 74,187.40	\$ 246,554.20	4.9		28316
180											

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
181											
182											
183											
184											
185											
186											
187											
188											
189											
190											
191	\$0.00	\$0.00	\$0.00	\$0.00	\$ 272.44	\$ 220.71	\$ -	\$ 272.44	2.1	ok	
192	\$0.00	\$0.00	\$0.00	\$0.00	\$ 5,584.00	\$ 4,502.73	\$ -	\$ 5,584.00	9.0		
193											
194											
195	\$901.83	\$533.21	\$426.13	\$2,870.45	\$ 4,395.67	\$ 3,490.56	\$ 5,952.37	\$ 7,266.12	0.3	check TRM - kW/kV	11022
196											
197											
198											
199											
200	\$921.09	\$499.89	\$577.63	\$2,817.14	\$ 7,696.03	\$ 6,156.83	\$ 6,156.83	\$ 10,513.17	1.4		9939
201											
202											
203											
204											
205											
206											
207											
208											
209											
210	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0		
211											
212											
213											
214											
215	\$0.00	\$0.00	\$0.00	\$0.00	\$ 75.97	\$ 61.36	\$ -	\$ 75.97	2.5		
216											
217											
218											
219											
220	\$0.00	\$0.00	\$0.00	\$0.00	\$ 9,435.49	\$ 7,654.87	\$ -	\$ 9,435.49	15.3	very high MMBtu sa	
221											
222											
223											
224											
225											
226											
227	\$0.00	\$0.00	\$0.00	\$0.00	\$ 10,791.77	\$ 8,824.17	\$ -	\$ 10,791.77	1.5		
228											
229	\$0.00	\$0.00	\$0.00	\$0.00	\$ 117,806.29	\$ 95,438.20	\$ -	\$ 117,806.29	4.2		
230	\$0.00	\$0.00	\$0.00	\$0.00	\$ 84,394.48	\$ 68,052.61	\$ -	\$ 84,394.48	5.3		
231											
232											
233											
234											
235	\$0.00	\$0.00	\$0.00	\$0.00	\$ 48,142.49	\$ 39,001.58	\$ -	\$ 48,142.49	6.6		
236	\$0.00	\$0.00	\$0.00	\$0.00	\$ 7,991.64	\$ 6,444.17	\$ -	\$ 7,991.64	8.8		
237											
238	\$643.86	\$0.00	\$0.00	\$1,159.90	\$ 2,573.16	\$ 2,058.53	\$ 2,058.53	\$ 3,733.06			
239	\$1,018.41	\$0.00	\$0.00	\$1,820.46	\$ 4,008.73	\$ 3,206.99	\$ 3,206.99	\$ 5,829.19			
240	\$45.75	\$536.88	\$482.22	\$1,141.66	\$ 4,474.11	\$ 3,579.28	\$ 3,579.28	\$ 5,615.76			
241	\$56.44	\$1,188.38	\$1,193.23	\$2,512.07	\$ 9,759.46	\$ 7,807.57	\$ 7,807.57	\$ 12,271.53			

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
242											
243											
244											
245											
246											
247											
248											
249											
250											
251	\$79,466.24	\$46,984.65	\$37,548.82	\$252,934.73	\$ 448,703.65	\$ 356,601.91	\$ 582,121.50	\$ 701,638.38	1.7		7181
252											
253	\$17,192.20	\$10,164.94	\$8,123.54	\$54,721.40	\$ 97,075.21	\$ 77,149.37	\$ 125,939.62	\$ 151,796.61	1.2		7181
254	\$11,949.18	\$7,064.99	\$5,646.14	\$38,033.30	\$ 70,311.37	\$ 55,904.96	\$ 88,523.67	\$ 108,344.67	0.8	check TRM - why ar	7181
255											
256											
257											
258											
259	\$1,867.65	\$1,104.25	\$882.49	\$5,944.58	\$ 10,545.62	\$ 8,381.01	\$ 13,681.27	\$ 16,490.20	0.2	check TRM - why ar	7181
260											
261											
262											
263											
264											
265											
266											
267											
268											
269											
270											
271	\$1,054.41	\$12,374.18	\$11,114.38	\$26,313.11	\$ 73,605.32	\$ 58,884.26	\$ 58,884.26	\$ 99,918.43	1.7		8815
272	\$59,863.21	\$0.00	\$0.00	\$103,936.39	\$ 228,417.01	\$ 182,733.61	\$ 182,733.61	\$ 332,353.40	1.7	ok - \$ listed under c	
273	\$9,793.78	\$4,219.52	\$3,710.54	\$29,106.27	\$ 115,405.48	\$ 92,712.99	\$ 63,509.78	\$ 144,511.75	2.4		11023
274	\$1,279.57	\$551.28	\$484.78	\$3,802.76	\$ 18,375.83	\$ 14,787.02	\$ 8,297.42	\$ 22,178.59	1.7		11024
275											
276	\$6,393.40	\$3,440.19	\$2,910.77	\$20,882.23	\$ 62,753.84	\$ 50,203.08	\$ 50,203.08	\$ 83,636.07	5.0		7622
277	\$1,685.21	\$906.78	\$767.24	\$5,504.25	\$ 16,541.00	\$ 13,232.80	\$ 13,232.80	\$ 22,045.26	2.6		7622
278	\$34.14	\$18.37	\$15.55	\$111.52	\$ 335.14	\$ 268.11	\$ 268.11	\$ 446.66	2.7		7622
279	\$99.99	\$0.00	\$0.00	\$180.12	\$ 390.23	\$ 312.18	\$ 312.18	\$ 570.35	0.5	check TRM - why ar	
280											
281	\$29.52	\$346.42	\$311.15	\$736.64	\$ 4,561.41	\$ 3,649.13	\$ 3,649.13	\$ 5,298.05	1.7		1813
282	\$34.73	\$731.31	\$734.30	\$1,545.89	\$ 8,499.73	\$ 6,799.79	\$ 6,799.79	\$ 10,045.63	2.9		1930
283	\$3,270.54	\$1,908.27	\$1,612.84	\$10,694.05	\$ 85,852.00	\$ 78,578.51	\$ 25,675.27	\$ 96,546.05	12.6		7542
284	\$3,148.02	\$1,836.78	\$1,552.42	\$10,293.42	\$ 103,349.60	\$ 93,504.03	\$ 24,713.41	\$ 113,643.02	12.2	check TRM - kW/kV	7542
285	\$2,350.67	\$2,394.79	\$2,875.16	\$9,789.46	\$ 32,632.13	\$ 26,105.71	\$ 26,105.71	\$ 42,421.59	4.6		5216
286											
287											
288	\$1,803.67	\$978.89	\$1,131.11	\$5,516.52	\$ 16,645.81	\$ 13,316.65	\$ 13,316.65	\$ 22,162.33	1.4		7138
289	\$1,382.59	\$750.36	\$867.05	\$4,228.64	\$ 12,759.72	\$ 10,207.78	\$ 10,207.78	\$ 16,988.37	1.6		7138
290	\$1,420.73	\$31,024.90	\$21,875.42	\$57,155.24	\$ 344,284.38	\$ 275,427.51	\$ 275,427.51	\$ 401,439.62	5.4		1730
291	\$5,833.88	\$2,342.98	\$2,838.75	\$15,841.65	\$ 44,944.41	\$ 35,955.53	\$ 35,955.53	\$ 60,786.07	8.7		8760
292	\$378.94	\$283.29	\$265.91	\$1,245.96	\$ 92,628.61	\$ 74,981.25	\$ 3,941.60	\$ 93,874.57	17.4	check TRC and reb	3800
293	\$6,456.75	\$3,504.21	\$4,049.15	\$19,747.95	\$ 57,385.31	\$ 45,908.25	\$ 45,908.25	\$ 77,133.26	18.7		7138
294	\$892.50	\$561.30	\$669.70	\$2,886.02	\$ 8,626.75	\$ 6,901.40	\$ 6,901.40	\$ 11,512.77	19.2		6401
295	\$600.89	\$291.57	\$355.62	\$1,750.68	\$ 4,966.79	\$ 3,973.43	\$ 3,973.43	\$ 6,717.47	11.0		7583
296											
297											
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302											

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
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315											
316											
317											
318											
319											
320	\$33,353.52	\$19,720.36	\$15,759.97	\$106,161.59	\$ 312,499.49	\$ 249,999.59	\$ 249,999.59	\$ 418,661.08	1.8	what is the vintage	7181
321											
322											
323											
324											
325											
326											
327											
328											
329											
330											
331											
332											
333	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0	ok - no benefits cou	
334											
335											
336											
337											
338											
339											
340											
341											
342											
343											
344											
345											
346											
347											
348											
349											
350	\$173,436.19	\$11,816.42	\$66,775.41	\$312,987.99	\$ 554,012.38	\$ 503,647.62	\$ 503,647.62	\$ 867,000.36	1.6		
351											
352											
353	\$23,868.12	\$9,884.53	\$11,487.58	\$65,468.10	\$ 171,560.12	\$ 155,963.74	\$ 155,963.74	\$ 237,028.22	2.1		
354	\$4,285.29	\$2,455.18	\$2,063.51	\$13,830.72	\$ 38,500.82	\$ 35,000.75	\$ 35,000.75	\$ 52,331.54	2.3		
355	\$42,697.32	\$16,969.29	\$20,492.55	\$116,159.07	\$ 287,592.30	\$ 261,447.55	\$ 261,447.55	\$ 403,751.37	3.9		9564
356	\$35,320.78	\$18,808.68	\$21,840.24	\$105,885.68	\$ 287,850.20	\$ 261,682.00	\$ 261,682.00	\$ 393,735.88	9.4	ok - has been review	6625
357											
358											
359	\$4,750.48	\$2,753.13	\$4,184.79	\$14,647.02	\$ 25,234.98	\$ 22,940.89	\$ 22,940.89	\$ 39,882.00	1.9		
360	\$60,898.76	\$35,293.68	\$53,646.91	\$187,767.27	\$ 323,499.53	\$ 294,090.48	\$ 294,090.48	\$ 511,266.80	5.7		
361	\$48,708.79	\$91,585.47	\$48,636.47	\$271,981.22	\$ 592,341.31	\$ 538,025.63	\$ 609,655.46	\$ 864,322.53	3.1		9005
362	\$149,983.08	\$282,008.07	\$149,760.40	\$837,478.90	\$ 1,839,094.10	\$ 1,670,467.39	\$ 1,891,028.47	\$ 2,676,572.99	4.3		8778
363	\$3,478.52	\$5,605.58	\$3,110.57	\$17,805.50	\$ 24,057.04	\$ 21,749.60	\$ 40,244.13	\$ 41,862.55	1.7		8822

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
364											
365											
366											
367											
368											
369											
370											
371	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0		
372	\$938.35	\$763.89	\$884.22	\$3,347.06	\$ 8,314.74	\$ 7,558.85	\$ 7,558.85	\$ 11,661.80	5.8		8747
373											
374											
375											
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378											
379											
380											
381											
382											
383											
384											
385											
386											
387											
388											
389											
390	\$92,542.76	\$77,236.91	\$82,626.52	\$331,358.24	\$ 637,859.95	\$ 579,872.68	\$ 579,872.68	\$ 969,218.19	12.6		36089
391											
392											
393											
394											
395											
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403											
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408											
409											
410											
411											
412											
413	\$0.00	\$7,207.87	\$7,858.14	\$15,066.01	\$ 84,452.17	\$ 76,774.70	\$ 76,774.70	\$ 99,518.19	8.1	ok - check summer	1647
414											
415											
416											
417											
418											
419											
420											
421											
422											
423											
424											

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
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473											
474											
475											
476	\$2,515.80	\$4,730.36	\$2,512.06	\$14,047.75	\$ 38,011.24	\$ 34,548.00	\$ 35,849.16	\$ 52,058.99	4.7		5506
477											
478	\$229.99	\$432.44	\$229.65	\$1,284.21	\$ 3,813.25	\$ 3,465.83	\$ 3,574.66	\$ 5,097.46	10.8		4921
479	\$1,854.41	\$3,486.78	\$1,851.65	\$10,354.68	\$ 31,113.41	\$ 28,281.14	\$ 28,846.38	\$ 41,468.09	3.2		4865
480											
481	\$3,458.76	\$6,503.40	\$3,453.63	\$19,313.12	\$ 49,036.66	\$ 44,571.85	\$ 45,619.83	\$ 68,349.78	23.2	high B/C? take anot	7568
482	\$1,181.47	\$2,221.47	\$1,179.71	\$6,597.09	\$ 14,756.34	\$ 13,412.30	\$ 13,854.79	\$ 21,353.43	13.1	hrs are off? High B/	10246
483											
484											
485											

	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
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	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
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578	\$116.93	\$234.49	\$149.43	\$682.94	\$ 1,188.82	\$ 1,080.74	\$ 1,080.74	\$ 1,871.75	3.9		
579	\$2,046.27	\$792.92	\$184.14	\$6,279.13	\$ 15,066.70	\$ 13,697.00	\$ 13,697.00	\$ 21,345.83	3.0		16027
580											
581	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0	no savings per Jeff	
582	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -	0.0		
583	\$0.00	\$627.12	\$0.00	\$1,270.86	\$ 3,127.35	\$ 2,843.05	\$ 2,843.05	\$ 4,398.22	4.5		10464
584											
585											
586											
587	\$433.29	\$698.24	\$387.46	\$2,217.87	\$ 1,451.05	\$ 1,297.76	\$ 4,664.08	\$ 3,668.92	0.5		11484
588											
589	\$69,734.12	\$40,414.19	\$61,430.16	\$215,009.06	\$ 370,433.73	\$ 336,757.94	\$ 336,757.94	\$ 585,442.79	3.2		
590	\$5,169.79	\$9,720.58	\$5,162.12	\$28,867.20	\$ 70,243.58	\$ 63,806.72	\$ 71,118.96	\$ 99,110.79	2.8		6735
591	\$138,681.09	\$260,757.32	\$138,475.19	\$774,370.58	\$ 1,788,730.72	\$ 1,624,835.11	\$ 1,816,809.85	\$ 2,563,101.30	2.8		7726
592	\$1,231.12	\$1,983.93	\$1,100.90	\$6,301.74	\$ 8,167.51	\$ 7,361.90	\$ 17,053.61	\$ 14,469.25	0.6		5230
593											
594											
595											
596	\$0.00	\$5.04	\$0.00	\$57.38	\$ 320.44	\$ 291.31	\$ 291.31	\$ 377.82	7.5		1748
597											
598	\$313.21	\$628.10	\$400.26	\$1,829.29	\$ 7,135.54	\$ 6,486.85	\$ 6,486.85	\$ 8,964.83	13.0		2927
599											
600	\$774.80	\$1,553.75	\$990.14	\$4,525.18	\$ 8,408.10	\$ 7,643.73	\$ 7,643.73	\$ 12,933.29	3.1		50272
601	\$910.02	\$740.83	\$857.53	\$3,246.00	\$ 10,486.46	\$ 9,533.15	\$ 9,533.15	\$ 13,732.46	4.4		4377
602											
603											
604											
605	\$1,367.17	\$1,112.99	\$1,288.31	\$4,876.65	\$ 11,945.92	\$ 10,859.92	\$ 10,859.92	\$ 16,822.57	2.4		8757
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613	\$800.49	\$651.66	\$754.32	\$2,855.32	\$ 4,942.19	\$ 4,492.90	\$ 4,492.90	\$ 7,797.51	2.8		
614											
615											
616											
617	\$38.46	\$0.00	\$0.00	\$67.02	\$ 599.79	\$ 549.94	\$ 115.90	\$ 666.81	22.0		
618											
619	\$1,992.03	\$1,662.57	\$1,778.58	\$7,132.67	\$ 14,091.47	\$ 12,810.42	\$ 12,810.42	\$ 21,224.13	7.1		28206
620	\$3,390.34	\$2,829.60	\$3,027.05	\$12,139.44	\$ 32,933.37	\$ 29,939.42	\$ 29,939.42	\$ 45,072.80	10.0		6748
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635	\$277.13	\$555.75	\$354.16	\$1,618.59	\$ 6,903.30	\$ 6,275.73	\$ 6,275.73	\$ 8,521.89	9.8		2611
636	\$834.16	\$1,672.80	\$1,066.01	\$4,871.90	\$ 26,246.64	\$ 23,860.59	\$ 23,860.59	\$ 31,118.55	7.6		
637	\$226.79	\$454.79	\$289.82	\$1,324.56	\$ 4,349.20	\$ 3,953.82	\$ 3,953.82	\$ 5,673.76	4.9		4098
638										removed savings du	
639										removed savings du	
640											
641											
642											
643											
644	\$7.55	\$4.10	\$4.73	\$23.08	\$ 61.74	\$ 56.13	\$ 56.13	\$ 84.82	0.7	removed savings du	6985
645											
646											
647	\$11,446.42	\$7,153.19	\$5,683.14	\$38,582.07	\$ 106,638.73	\$ 96,944.30	\$ 96,944.30	\$ 145,220.80	5.8		
648	\$5,652.32	\$1,367.57	\$2,302.60	\$13,547.51	\$ 24,435.57	\$ 22,214.15	\$ 22,214.15	\$ 37,983.08	13.9		
649											
650	\$1,616.44	\$936.80	\$1,423.95	\$4,983.91	\$ 8,609.84	\$ 7,827.12	\$ 7,827.12	\$ 13,593.75	3.1		
651											
652	\$5,989.21	\$11,261.30	\$5,980.31	\$33,442.66	\$ 100,554.71	\$ 91,398.06	\$ 93,448.94	\$ 133,997.37	5.2		5039
653											
654											
655	\$2,917.51	\$3,085.57	\$2,777.08	\$11,875.84	\$ 43,540.40	\$ 39,582.18	\$ 39,582.18	\$ 55,416.24	9.5		3419
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688	\$708.15	\$7,738.44	\$5,039.04	\$14,781.94	\$ 43,973.80	\$ 39,976.18	\$ 39,976.18	\$ 58,755.74	2.1		4791
689											
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700	\$325.19	\$652.13	\$415.58	\$1,899.29	\$ 5,503.18	\$ 5,002.89	\$ 5,002.89	\$ 7,402.47	5.0		6612
701											
702	\$95.07	\$190.65	\$121.49	\$555.25	\$ 1,102.33	\$ 1,002.12	\$ 1,002.12	\$ 1,657.58	2.7	kW / kWh relationsh	25174
703	\$115.82	\$232.27	\$148.02	\$676.47	\$ 1,177.56	\$ 1,070.51	\$ 1,070.51	\$ 1,854.03	4.3	eTrack had excessi	
704											
705											
706	\$646.00	\$7,059.22	\$4,596.75	\$13,484.50	\$ 33,957.73	\$ 30,870.67	\$ 30,870.67	\$ 47,442.23	2.1		7233
707	\$452.71	\$907.85	\$578.54	\$2,644.05	\$ 5,552.02	\$ 5,047.29	\$ 5,047.29	\$ 8,196.07	2.5		17369
708											
709	\$15,948.59	\$29,987.60	\$15,924.91	\$89,054.11	\$ 236,416.68	\$ 214,875.64	\$ 223,124.17	\$ 325,470.80	4.9		5789
710	\$29,503.83	\$17,098.85	\$25,990.50	\$90,968.24	\$ 156,678.26	\$ 142,434.78	\$ 142,434.78	\$ 247,646.50	4.7		
711	\$118,411.05	\$222,644.25	\$118,235.24	\$661,186.26	\$ 2,104,486.21	\$ 1,912,777.84	\$ 1,968,810.70	\$ 2,765,672.47	9.2		4230
712	\$10,289.00	\$19,346.06	\$10,273.72	\$57,451.95	\$ 150,990.08	\$ 137,242.73	\$ 140,378.89	\$ 208,442.02	4.9		6837
713											
714	\$26.32	\$49.48	\$26.28	\$146.95	\$ 359.70	\$ 326.95	\$ 334.93	\$ 506.65	27.2	excessively high B/c	8493
715	\$14,641.06	\$27,529.08	\$14,619.32	\$81,753.07	\$ 198,702.32	\$ 180,606.90	\$ 186,090.29	\$ 280,455.40	16.3	excessively high B/c	7577
716											
717											
718	\$1,156.62	\$504.33	\$539.26	\$3,235.62	\$ 10,429.11	\$ 9,481.01	\$ 9,481.01	\$ 13,664.73	6.3	ok	4424
719	\$694.02	\$302.62	\$323.58	\$1,941.50	\$ 9,048.88	\$ 8,546.86	\$ 5,020.13	\$ 10,990.38	34.2	excessively high B/c	6233
720											
721											
722	\$894.32	\$389.96	\$416.96	\$2,501.84	\$ 10,189.90	\$ 9,514.51	\$ 6,753.95	\$ 12,691.75	9.3	check TRM	6286
723	\$211.09	\$92.04	\$98.42	\$590.52	\$ 2,030.80	\$ 1,880.24	\$ 1,505.60	\$ 2,621.32	7.5	check TRM	6219
724											
725											
726											
727											
728	\$274.07	\$223.11	\$258.26	\$977.60	\$ 1,682.68	\$ 1,529.71	\$ 1,529.71	\$ 2,660.28	1.7	check TRM	
729											

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736	\$167.80	\$136.61	\$158.12	\$598.55	\$ 1,407.47	\$ 1,313.51	\$ 939.59	\$ 2,006.02	2.6	check TRM	
737											
738											
739	\$60.47	\$49.22	\$56.98	\$215.68	\$ 570.87	\$ 537.01	\$ 338.57	\$ 786.55	5.4	check TRM	
740											
741	\$98.73	\$80.37	\$93.03	\$352.17	\$ 876.58	\$ 796.89	\$ 796.89	\$ 1,228.75	1.1	check TRM	8318
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821	\$969.08	\$561.63	\$853.68	\$2,987.94	\$ 5,147.86	\$ 4,679.87	\$ 4,679.87	\$ 8,135.80	3.8		
822	\$11,293.48	\$21,234.75	\$11,276.72	\$63,060.81	\$ 172,791.69	\$ 156,982.91	\$ 172,406.75	\$ 235,852.50	2.7		5078
823	\$23,655.45	\$44,478.54	\$23,620.33	\$132,087.86	\$ 365,432.67	\$ 332,001.13	\$ 364,308.08	\$ 497,520.53	3.0	change 0 kW to def	4972
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Company	Distributor	Program Administrator	Year	Reporting Period	Sector	Program (Dropdown)	Subprogram (Dropdown)	Implementation					
								Internal Admin	External Admin	Rebate / Services	Services	Marketing	EM&V
Electric	Unitil Energy Sy		2021	Actual	B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$ 66,780	\$ 845	\$ 1,525,282	\$ 78,302	\$ 25,326	\$ 34,122
Electric	Unitil Energy Sy		2021	Actual	B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A1 - Energy Star Homes	A1a - ES Homes	\$ 20,801	\$ 223	\$ 90,340	\$ 39,450	\$ 6,009	\$ 9,014
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A2 - Home Performance with Energy	A2a - HPwES (Weatherization)	\$ 19,929	\$ 263	\$ 913,551	\$ 31,336	\$ 7,273	\$ 10,629
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A2 - Home Performance with Energy	A2b - HPwES (HVAC Systems)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A2 - Home Performance with Energy	A2c - HPwES 3rd Party Financing (Loan buy-down)	\$ -	\$ -	\$ 4,169	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A2 - Home Performance with Energy	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A3 - Energy Star Products	A3a - ES Lighting	\$ 30,054	\$ 368	\$ 415,067	\$ 7,221	\$ 10,063	\$ 14,852
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A3 - Energy Star Products	A3b - ES Appliances	\$ 29,373	\$ 413	\$ 485,218	\$ 20,858	\$ 13,050	\$ 16,680
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A3 - Energy Star Products	A3c - ES HVAC Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A4 - Residential Behavior	A4a - Residential Behavior	\$ -	\$ -	\$ 159,757	\$ 3,980	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A5 - Residential Active Demand Resp	A5a - Residential Active Demand Response	\$ 6,115	\$ -	\$ 57,026	\$ 4,608	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A6a - Res Customer Engagement Pla	A6a - Res Customer Engagement Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A6b - Res ISO Forward Capacity Mark	A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ 711	\$ -	\$ -	\$ -	\$ 5,048
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A6c - Res Education	A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A6d - Energy Optimization Pilot	A6d - Energy Optimization Pilot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A6e - Res Financing	A6e - Res Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A7 - TBD Res Pilots/Demonstrations	A7a - TBD Res Pilot/Demonstration 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	A - Residential	A7 - TBD Res Pilots/Demonstrations	A7b - TBD Res Pilot/Demonstration 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1c - LCI Midstream	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1d - LCI Direct Install	\$ 98,823	\$ 1,164	\$ 1,233,380	\$ 104,030	\$ 32,024	\$ 60,562
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2c - SCI Midstream	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2d - SCI Direct Install	\$ 85,807	\$ 1,011	\$ 1,245,309	\$ 73,983	\$ 27,943	\$ 40,848
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3a - Muni Retrofit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3b - Muni New Equipment and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3d - Muni Direct Install	\$ 10,628	\$ 105	\$ 172,700	\$ 32,222	\$ 3,557	\$ 4,259
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C4 - Energy Rewards RFP Program	C4a - Energy Rewards RFP Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response	\$ -	\$ -	\$ 163,317	\$ 5,633	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6a - C&I Customer Engagement Pla	C6a - C&I Customer Engagement Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6b - C&I ISO Forward Capacity Mark	C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ 711	\$ -	\$ -	\$ -	\$ 9,499
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6c - C&I Education	C6c - C&I Education	\$ -	\$ -	\$ 10,393	\$ -	\$ 1,861	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6d - C&I Customer Partnerships	C6d - C&I Customer Partnerships	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6e - Smart Start	C6e - Smart Start	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6f - C&I On Bill Financing	C6f - C&I On Bill Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C6g - C&I Building Practices and Dem	C6g - C&I Building Practices and Demo	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C7 - C&I TBD Pilots/Demonstrations	C7a - TBD C&I Pilot/Demonstration 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Sy		2021	Actual	C - Commercial &	C7 - C&I TBD Pilots/Demonstrations	C7b - TBD C&I Pilot/Demonstration 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$ 54,700	\$ 55,000	\$ 947,926	\$ 160,000	\$ 80,000	\$ 55,505
Electric	Unitil Energy Systems Inc		Planned		B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A1 - Energy Star Homes	A1a - ES Homes	\$ 14,850	\$ 4,331	\$ 287,640	\$ 90,000	\$ 25,000	\$ 25,000
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A2 - Home Performance with Energy	A2a - HPwES (Weatherization)	\$ 40,000	\$ 6,342	\$ 530,728	\$ 120,000	\$ 50,000	\$ 54,734
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A2 - Home Performance with Energy	A2b - HPwES (HVAC Systems)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A2 - Home Performance with Energy	A2c - HPwES 3rd Party Financing (Loan buy-down)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A2 - Home Performance with Energy	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A3 - Energy Star Products	A3a - ES Lighting	\$ 18,469	\$ 8,000	\$ 219,290	\$ 50,000	\$ 35,000	\$ 35,000
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A3 - Energy Star Products	A3b - ES Appliances	\$ 37,162	\$ 10,000	\$ 506,626	\$ 50,000	\$ 40,000	\$ 35,000
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A3 - Energy Star Products	A3c - ES HVAC Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A4 - Residential Behavior	A4a - Residential Behavior	\$ 6,113	\$ -	\$ 140,060	\$ 4,168	\$ 3,000	\$ 443
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A5 - Residential Active Demand Resp	A5a - Residential Active Demand Response	\$ 12,050	\$ -	\$ 50,000	\$ 25,050	\$ 30,000	\$ 5,000
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A6a - Res Customer Engagement Pla	A6a - Res Customer Engagement Platform	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A6b - Res ISO Forward Capacity Mark	A6b - Res ISO Forward Capacity Market Expenses	\$ 5,000	\$ 8,000	\$ -	\$ -	\$ -	\$ 13,500
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A6c - Res Education	A6c - Res Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A6d - Energy Optimization Pilot	A6d - Energy Optimization Pilot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A6e - Res Financing	A6e - Res Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A7 - TBD Res Pilots/Demonstrations	A7a - TBD Res Pilot/Demonstration 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		A - Residential	A7 - TBD Res Pilots/Demonstrations	A7b - TBD Res Pilot/Demonstration 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	\$ 74,585	\$ 3,072	\$ 1,228,822	\$ 185,264	\$ 50,357	\$ 90,000
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1c - LCI Midstream	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1d - LCI Direct Install	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	\$ 70,000	\$ 3,981	\$ 1,190,162	\$ 161,287	\$ 60,000	\$ 85,000
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2c - SCI Midstream	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2d - SCI Direct Install	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electric	Unitil Energy Systems Inc		Planned		C - Commercial &	C3 - Municipal Energy Solutions	C3a - Muni Retrofit	\$ 13,032	\$ -	\$ 179,082	\$ 25,115	\$ 35,000	\$ 13,000

Net Annual Natural Gas (MMBTU)	Adj Gross Annual Natural Gas (MMBTU)	Net Annual Natural Gas (Therms)	Adj Gross Annual Natural Gas (Therms)	Net Lifetime Natural Gas (Therms)	Net Lifetime Oil (MMBTU)	Lifetime Propane (MMBTU)	Net Lifetime Kerosene (MMBTU)	Net Lifetime Cord Wood (MMBTU)	Net Lifetime Wood Pellet (MMBTU)	Total Net Lifetime MMBTU	Annual Water (Gallons)	Lifetime Water (Gallons)	Winter Peak Energy Benefits (\$)	Winter Off-Peak Energy Benefits (\$)
(5.57)	(5.57)	(55.71)	(55.71)	(111.41)	8,425.28	5,066.56	5,271.02	-	78.26	18,829.98	2,133.04	14,931.28	11,479.55	8,046.14
13.62	13.62	136.23	136.23	2,588.31	2,541.88	627.01	2,530.25	-	-	5,957.96	-	-	132,134.36	48,080.20
370.95	370.95	3,709.49	3,709.49	89,580.26	(32.65)	33,922.52	-	-	-	42,847.90	15,708.00	172,788.00	19,471.64	19,667.32
528.20	528.20	5,281.96	5,281.96	125,747.09	55,345.00	11,691.50	291.06	-	10,889.16	90,791.43	18,711.00	150,713.64	70,742.65	76,860.48
57.66	57.66	576.58	576.58	8,648.64	5,820.94	2,270.18	-	-	-	8,955.99	-	-	2,629.91	2,818.51
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(1,949.84)	(5,908.61)	(19,498.40)	(59,086.07)	(55,517.94)	(11,103.59)	-	-	-	-	(16,655.38)	-	-	198,205.66	159,349.19
31.37	31.37	313.74	313.74	3,451.14	604.79	46.93	-	-	-	996.83	1,161,576.00	12,777,336.00	63,160.48	53,701.55
101.50	101.50	1,014.96	1,014.96	14,243.62	2,960.10	634.05	-	-	-	5,018.51	-	-	104,564.15	114,996.08
-	-	-	-	-	-	-	-	-	-	-	-	-	60,303.29	49,698.37
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(620.44)	(660.04)	(6,204.40)	(6,600.42)	(62,043.97)	(12,408.79)	-	-	-	-	(18,613.19)	-	-	1,046,081.91	984,978.32
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(9.60)	(11.77)	(95.99)	(117.74)	(696.73)	(139.35)	-	-	-	-	(209.02)	-	-	26,221.51	13,986.97
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(383.22)	(407.88)	(3,832.20)	(4,078.79)	(41,831.88)	(8,459.68)	-	-	-	-	(12,642.86)	-	-	514,490.87	348,453.64
(2.70)	(2.88)	(27.04)	(28.77)	(405.64)	(81.13)	-	-	-	-	(121.69)	-	-	62,603.00	46,197.29
(146.57)	(178.78)	(1,465.75)	(1,787.77)	(14,533.25)	(2,906.65)	-	-	-	-	(4,359.97)	61,841.74	934,708.20	498,879.04	297,076.40
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(95.32)	(101.40)	(953.19)	(1,014.03)	(9,531.85)	(1,906.37)	-	-	-	-	(2,859.56)	-	-	101,385.94	54,939.40
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(12.61)	(12.61)	(126.12)	(126.12)	(252.24)	21,862.35	21,112.00	6,552.00	-	-	49,501.13	-	-	17,863.90	17,927.95
-	-	-	-	-	4,317.04	-	-	-	-	4,317.04	-	-	1,638.23	1,863.09
(1.27)	(1.27)	(12.74)	(12.74)	(38.21)	(7.64)	45,000.00	-	-	-	44,988.54	-	-	38,019.16	44,850.10
(4.12)	(4.12)	(41.22)	(41.22)	(82.45)	29,683.51	33,264.00	-	-	-	62,939.27	-	-	18,494.88	17,558.37
-	-	-	-	-	-	1,151.17	-	-	-	1,151.17	-	-	2,838.95	3,023.09
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(989.18)	(2,997.52)	(9,891.83)	(29,975.24)	(29,675.49)	(5,935.10)	-	-	-	-	(8,902.65)	-	-	105,918.93	85,039.99
49.56	49.56	495.60	495.60	5,728.80	545.16	102.48	-	-	-	1,220.52	2,331,400.00	29,684,600.00	119,820.04	99,341.08
169.82	169.82	1,698.22	1,698.22	24,358.89	2,014.35	317.85	-	-	-	4,768.09	-	-	64,845.19	65,830.83
-	-	-	-	-	-	-	-	-	-	-	-	-	51,353.64	42,322.60
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(172.22)	(183.21)	(1,722.21)	(1,832.14)	(17,222.09)	(3,444.42)	-	-	-	-	(5,166.63)	-	-	642,107.72	764,143.05
(20.74)	(22.06)	(207.36)	(220.60)	(2,073.62)	(414.72)	-	-	-	-	(622.09)	-	-	207,664.16	210,105.66
(66.98)	(81.21)	(669.76)	(812.07)	(7,378.27)	(1,475.65)	-	-	-	-	(2,213.48)	-	-	319,771.85	180,949.27
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(729.88)	(776.47)	(7,298.80)	(7,764.68)	(72,987.98)	(14,597.60)	-	-	-	-	(21,896.39)	-	-	158,292.95	92,237.77
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(31.54)	(38.24)	(315.43)	(382.44)	(3,475.22)	(695.04)	-	-	-	-	(1,042.57)	-	-	141,706.29	81,291.26
(2,118.54)	(2,253.76)	(21,185.39)	(22,537.65)	(211,853.89)	(42,370.78)	-	-	-	-	(63,556.17)	-	-	508,908.97	392,331.47
(32.96)	(35.07)	(329.64)	(350.68)	(3,296.42)	(659.28)	-	-	-	-	(988.92)	-	-	99,093.93	98,169.07

Natural Gas DRIPE Benefits	Total Gas Benefits	Oil Benefits	Oil DRIPE Benefits	Kerosene Benefits	Propane Benefits	Cord Wood Benefits	Wood Pellet Benefits	Water Benefits	Total Other Resource Benefits	Total Resource Benefits	Fossil Emissions	Total Non Energy Impacts	Total Avoided Environmental Benefits
(7.00)	\$ (110)	189,994.67	90.49	106,535.01	157,203.16	-	1,719.69	122.99	\$ 455,666	\$ 563,260	35,051	901,890	29,370
69.23	\$ 2,292	57,931.11	28.26	51,839.56	19,661.19	-	-	-	\$ 129,460	\$ 281,435	9,468	9,468	92,852
1,817.63	\$ 76,006	(710.58)	(0.39)	-	1,050,695.04	-	-	1,384.67	\$ 1,051,369	\$ 1,234,420	69,769	378,028	27,680
2,785.82	\$ 108,262	1,249,915.85	598.25	5,968.40	363,053.89	-	239,497.24	1,225.18	\$ 1,860,259	\$ 2,286,518	142,841	714,164	122,680
291.09	\$ 7,870	133,092.43	66.05	-	71,557.39	-	-	-	\$ 204,716	\$ 229,239	12,829	70,139	6,634
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ -	-	-	-
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ -	-	-	-
(3,815.08)	\$ (55,009)	(240,728.55)	(133.57)	-	-	-	-	-	\$ (240,862)	\$ 514,394	(16,357)	112,241	351,634
86.52	\$ 2,771	13,820.82	7.04	-	1,489.17	-	-	102,393.37	\$ 117,710	\$ 652,370	1,213	138,707	164,402
401.39	\$ 12,225	67,711.19	33.78	-	19,996.19	-	-	-	\$ 87,741	\$ 428,094	6,767	113,790	166,867
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ 250,000	-	62,500	106,162
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(3,104.84)	\$ (52,793)	(235,491.43)	(145.13)	-	-	-	-	-	\$ (235,637)	\$ 4,374,703	(22,256)	415,215	2,278,717
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ 76,775	-	7,677	15,066
(41.02)	\$ (603)	(2,622.69)	(1.64)	-	-	-	-	-	\$ (2,624)	\$ 124,518	(239)	12,213	51,597
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ -	-	-	-
(1,920.37)	\$ (35,365)	(160,886.61)	(98.42)	-	-	-	-	-	\$ (160,985)	\$ 2,149,849	(15,561)	199,424	1,071,728
(13.65)	\$ (333)	(1,548.78)	(0.92)	-	-	-	-	-	\$ (1,550)	\$ 332,257	(168)	33,057	125,052
(672.62)	\$ (12,287)	(55,168.77)	(33.76)	-	-	-	-	7,234.30	\$ (47,968)	\$ 2,670,277	(5,419)	260,885	1,010,234
-	\$ -	-	-	-	-	-	-	-	\$ -	\$ -	-	-	-
(477.00)	\$ (8,111)	(36,178.68)	(22.30)	-	-	-	-	-	\$ (36,201)	\$ 497,083	(3,419)	46,289	198,137
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(15.86)	\$ (250)	497,917.77	240.72	133,783.07	659,651.75	-	-	-	\$ 1,291,593	\$ 1,437,633	81,065.90	81,066	43,629
-	\$ -	98,613.39	48.38	-	-	-	-	-	\$ 98,662	\$ 102,350	7,006.23	7,006	2,107
(2.65)	\$ (38)	(166.32)	(0.09)	-	1,392,322.50	-	-	-	\$ 1,392,156	\$ 1,480,397	76,672.49	446,772	46,510
(5.18)	\$ (82)	675,952.21	326.90	-	1,039,345.19	-	-	-	\$ 1,715,624	\$ 1,951,729	101,486.64	589,419	58,965
-	\$ -	-	-	-	36,027.83	-	-	-	\$ 36,028	\$ 56,334	1,665.85	15,749	6,240
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(2,060.11)	\$ (29,401)	(129,177.11)	(71.38)	-	-	-	-	-	\$ (129,248)	\$ 273,485	(8,763.42)	59,608	187,765
137.00	\$ 4,581	12,466.58	6.28	-	3,239.83	-	-	234,829.05	\$ 250,542	\$ 809,318	1,477.37	145,100	261,863
731.20	\$ 21,329	46,086.32	23.06	-	10,030.82	-	-	-	\$ 56,140	\$ 351,823	6,010.68	93,966	107,886
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(861.84)	\$ (14,654)	(65,367.42)	(40.29)	-	-	-	-	-	\$ (65,408)	\$ 3,403,235	(6,177.70)	334,146	1,563,516
(103.77)	\$ (1,764)	(7,870.55)	(4.85)	-	-	-	-	-	\$ (7,875)	\$ 976,627	(743.82)	96,919	510,726
(323.24)	\$ (6,210)	(28,069.21)	(17.10)	-	-	-	-	-	\$ (28,086)	\$ 1,801,982	(2,780.79)	177,417	647,724
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(3,652.51)	\$ (62,105)	(277,030.03)	(170.73)	-	-	-	-	-	\$ (277,201)	\$ 479,481	(26,181.38)	21,767	358,944
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(152.24)	\$ (2,925)	(13,220.85)	(8.05)	-	-	-	-	-	\$ (13,229)	\$ 757,223	(1,309.81)	74,413	288,780
(10,601.71)	\$ (180,266)	(804,103.46)	(495.57)	-	-	-	-	-	\$ (804,599)	\$ 1,189,833	(75,993.70)	42,990	1,115,714
(164.96)	\$ (2,805)	(12,511.73)	(7.71)	-	-	-	-	-	\$ (12,519)	\$ 317,209	(1,182.45)	30,538	174,927

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KK	X:X	Z:Z	P:P	M:M	Q:Q	O:O
Customer Cost (Total)	Annual Net Winter kW	Annual Net Summer kw	Net Annual MWh Savings	Adjusted Gross Annual MWh Savings	Net Lifetime MWh Savings	Adjusted Gross Lifetime MWh Savings

Watch the 'First Reference' if adding columns in Calculations sheets

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5,284.52	3,560.76	29,290.28	1,339.60	\$ 30,630	-	-	-	-	-	-	-	\$ -	-	-
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BF:BF	BG:BG	BH:BH	BN:BN	BP:BP	BQ:BQ	BR:BR	BS:BS	BT:BT	BU:BU	BV:BV	CF:CF
Summer Peak Energy Benefits (\$)	Summer Off-Peak Energy Benefits (\$)	Total Avoided Energy Benefits (\$)	Total Energy DRIPE Benefits (\$)	Summer Generation Benefits (\$)	Winter Generation (\$)	Electric Capacity DRIPE (\$)	Reliability (\$)	PTF Benefits (\$)	Transmission Benefits (\$)	Distribution Benefits (\$)	Total Avoided Gas Benefits (\$)

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CO:CO	CQ:CQ	CT:CT	CU:CU	CV:CV	CW:CW	CX:CX	CY:CY	DC:DC	DE:DE	DJ:DJ
Total Gas DRIPE	Fuel Oil - Residential Distillate	Oil DRIPE	Kerosene	Propane	Cord Wood	Pellet Wood	Res Water	Fossil Emissions (oil, gas, propane, kerosene)	Total Non-Resource Benefits	Total Avoided Environmental Benefits
	CR:CR						CZ:CZ	DD:DD		
	Fuel Oil - Com Fuel						C&I Water	Fossil Emissions Based on RGGI		
	CS:CS									
	Fuel Oil - Industrial Res + C&I						Res + C&I			
							Gas not included			
									Not Included in total benefits	

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\$	33,693	\$	30,630	\$	30,630	\$	51,380	\$	1,340	\$	-	\$	-	\$	-	\$	-	\$	-	'Calculations Yr !
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Water not included

Program Cost-Effectiveness - 2021 ACTUAL

	Benefit/Cost Ratio		Benefits (\$000)		Utility Costs (\$000)	Customer Costs (\$000)	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Granite State Test											
Residential Programs													
B1 - Home Energy Assistance	1.01	1,756.054	1,730.657	-	175.100	2,988.438	63.180	6.974	171	1,159	24,788		
A1 - Energy Star Homes	7.86	1,304.189	165.837	56.100	58.261	1,151.915	13.959	11.131	29	1,768	42,848		
A2 - Home Performance with Energy Star	2.71	2,671.427	987.149	243.654	176.054	3,347.060	28.558	22.132	185	4,633	99,747		
A3 - Energy Star Products	1.52	1,586.480	1,043.217	155.838	3,224.260	15,073.658	761.808	484.810	74,290	(5,405)	(10,640)		
A4 - Residential Behavior	1.53	250.000	163.736	-	2,173.800	2,173.800	469.267	302.700	21,299	-	-		
A5 - Residential Active Demand Response	-	-	67.749	-	-	-	-	-	200	-	-		
A6b - Res ISO Forward Capacity Market Expenses	-	-	5.759	-	-	-	-	-	-	-	-		
Sub-Total Residential	1.82	7,568.150	4,164.104	455.592	5,807.476	24,734.871	1,336.773	827.746	96,174	2,156	156,743		
Commercial, Industrial & Municipal													
C1 - Large Business Energy Solutions	2.98	4,553.501	1,529.984	1,996.525	4,953.191	53,534.394	596.667	412.791	40	(1,890)	(18,822)		
C2 - Small Business Energy Solutions	3.48	5,131.234	1,474.901	1,282.717	4,764.184	50,551.289	687.343	685.852	269	(1,604)	(17,125)		
C3 - Municipal Energy Solutions	2.21	493.664	223.471	274.760	447.877	4,478.767	69.509	88.121	6	(286)	(2,860)		
C5 - C&I Active Demand Response	-	-	168.950	-	-	-	-	-	-	-	-		
C6b - C&I ISO Forward Capacity Market Expenses	-	-	10.210	-	-	-	-	-	-	-	-		
C6c - C&I Education	-	-	12.254	-	-	-	-	-	-	-	-		
Sub-Total Commercial & Industrial	2.98	10,178.399	3,419.770	3,554.001	10,165.251	108,564.451	1,353.519	1,186.764	315	(3,780)	(38,806)		
Total	2.34	17,746.549	7,583.874	4,009.593	15,972.727	133,299.322	2,690.291	2,014.511	96,489	(1,624)	117,937		

Annual kWh Savings	15,972,727	Lifetime kWh Savings	133,299,322	79.4%	kWh > 55%
Annual MMBTU Savings (in kWh)	-475,995	Lifetime MMBTU Savings (in kWh)	34,563,899	20.6%	
	15,496,732		167,863,221	100.0%	

Annual Savings as a % of 2019 Sales	1.37%	Low-Income	\$	380.78
		Residential	\$	40.30
		C&I	\$	307.34

Notes

- (1) The Granite State Test is used as the primary cost test, as approved in Order No. 36,322, and includes an annual NEI adder of \$405.71 per weatherization project in the Home Energy Assistance program.
- (2) Utility and Customer Costs and Benefits are expressed in 2021 Dollars.
- (3) Per past precedent, discount and inflation rates have been updated for the year in which measures will be installed, and were updated in June 2020 for program year 2021.

Present Value Benefits - 2021 ACTUAL

	Total Benefits (\$000)	Resource Benefits (\$000)											Non-Resource Benefits (\$000)			Environmental Benefits (\$000)			
		Electric											Non-Electric		Fossil Emissions		Other Non-Resource Benefits	Total Non-Resource Benefits	
		CAPACITY				ENERGY				DRIPE	Total Electric Benefit	Other Fuels	Water Benefit	Total Resource Benefits					
		Summer Generation	Winter Generation	Transmission	Distribution	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak										Electric DRIPE
Granite State Test																			
Residential Programs																			
B1 - Home Energy Assistance	\$ 1,756	\$ 13	\$ -	\$ 12	\$ 11	\$ 144	\$ 56	\$ 4	\$ 7	\$ 11	\$ 257	\$ 587	\$ 0	\$ 845	\$ 45	\$ 867	\$ 911	\$ 122	
A1 - Energy Star Homes	\$ 1,304	\$ 20	\$ -	\$ 20	\$ 17	\$ 19	\$ 20	\$ 5	\$ 3	\$ 3	\$ 107	\$ 1,126	\$ 1	\$ 1,234	\$ 70	\$ 308	\$ 378	\$ 28	
A2 - Home Performance with Energy Star	\$ 2,671	\$ 36	\$ -	\$ 36	\$ 31	\$ 73	\$ 80	\$ 39	\$ 30	\$ 9	\$ 335	\$ 2,180	\$ 1	\$ 2,516	\$ 156	\$ 629	\$ 784	\$ 129	
A3 - Energy Star Products	\$ 1,586	\$ 154	\$ -	\$ 216	\$ 187	\$ 366	\$ 328	\$ 187	\$ 130	\$ 102	\$ 1,670	\$ (178)	\$ 102	\$ 1,595	\$ (8)	\$ 373	\$ 365	\$ 683	
A4 - Residential Behavior	\$ 250	\$ 16	\$ -	\$ 30	\$ 26	\$ 60	\$ 50	\$ 28	\$ 19	\$ 20	\$ 250	\$ -	\$ -	\$ 250	\$ -	\$ 62	\$ 62	\$ 106	
A5 - Residential Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
A6b - Res ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total Residential	\$ 7,568	\$ 239	\$ -	\$ 314	\$ 272	\$ 663	\$ 533	\$ 263	\$ 190	\$ 145	\$ 2,619	\$ 3,715	\$ 105	\$ 6,440	\$ 262	\$ 2,239	\$ 2,501	\$ 1,068	
Commercial/Industrial Programs																			
C1 - Large Business Energy Solutions	\$ 4,554	\$ 344	\$ -	\$ 405	\$ 351	\$ 1,072	\$ 999	\$ 816	\$ 585	\$ 296	\$ 4,868	\$ (292)	\$ -	\$ 4,576	\$ (22)	\$ 458	\$ 435	\$ 2,345	
C2 - Small Business Energy Solutions	\$ 5,131	\$ 593	\$ -	\$ 691	\$ 599	\$ 1,076	\$ 692	\$ 962	\$ 523	\$ 275	\$ 5,411	\$ (266)	\$ 7	\$ 5,152	\$ (21)	\$ 515	\$ 493	\$ 2,207	
C3 - Municipal Energy Solutions	\$ 494	\$ 68	\$ -	\$ 82	\$ 71	\$ 101	\$ 55	\$ 93	\$ 43	\$ 29	\$ 541	\$ (44)	\$ -	\$ 497	\$ (3)	\$ 50	\$ 46	\$ 198	
C5 - C&I Active Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
C6b - C&I ISO Forward Capacity Market Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total Commercial & Industrial	\$ 10,178	\$ 1,005	\$ -	\$ 1,178	\$ 1,020	\$ 2,250	\$ 1,746	\$ 1,870	\$ 1,151	\$ 600	\$ 10,820	\$ (602)	\$ 7	\$ 10,225	\$ (47)	\$ 1,022	\$ 975	\$ 4,751	
Total	\$ 17,747	\$ 1,244	\$ -	\$ 1,492	\$ 1,292	\$ 2,912	\$ 2,279	\$ 2,133	\$ 1,341	\$ 746	\$ 13,439	\$ 3,114	\$ 112	\$ 16,665	\$ 215	\$ 3,261	\$ 3,476	\$ 5,819	

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

Performance Incentive - 2021 Actual

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	Planned PI	125% of Planned PI	Actual PI	Source
1 Lifetime kWh Savings	126,312,538	94,734,404	133,299,322	106%	1.925%	2.031%	\$ 149,064	\$ 186,330	\$ 154,065	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	14,090,468	7,045,234	15,972,727	113%	0.550%	0.623%	\$ 42,590	\$ 53,237	\$ 47,283	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,647	1,235	2,015	122%	0.660%	0.807%	\$ 51,108	\$ 63,884	\$ 61,235	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	2,025	1,519	2,690	133%	0.440%	0.550%	\$ 34,072	\$ 42,590	\$ 41,711	Planned and Actual from Cost Eff Tab
5 Active Demand kW		-		-	0.000%	-	\$ -	\$ -	\$ -	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 15,632,186		16,665,191	107%						Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 7,743,573		7,583,874	98%						Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 7,888,613	\$ 5,127,599	\$ 9,081,317	115%	1.925%	2.216%	\$ 149,064	\$ 186,330	\$ 168,062	Line 5 minus line 6
9 Total					5.500%	6.228%	\$ 425,897	\$ 532,371	\$ 472,357	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 15,784,439	\$ 17,746,549	Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 425,897	\$ 472,357	from row 8 above
12 Total Utility Costs	\$ 7,743,573	\$ 7,583,874	from row 6 above
13 Portfolio GST BCR	1.93	2.20	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 Dollars.

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

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	A5 - Residential Active Demand Response	A6b - Res ISO Forward Capacity Market Expenses	C1 - Large Business Energy Solutions	C2 - Small Business Energy Solutions	C3 - Municipal Energy Solutions	C5 - C&I Active Demand Response	C5b - C&I ISO Forward Capacity Market Expenses	C6c - C&I Education	C6d - C&I Customer Partnerships	C6e - Smart Start	
Utility System Costs																				
1	Measure costs (utility portion)	Rebate/Services costs, Costs tab	✓	✓	\$ 6,475,508	\$ 1,525,282	\$ 90,340	\$ 917,720	\$ 900,285	\$ 159,757	\$ 57,026	\$ -	\$ 1,233,380	\$ 1,245,309	\$ 172,700	\$ 163,317	\$ -	\$ 10,393	\$ -	\$ -
2	Other financial or technical support costs	Included in Measure costs (utility portion)	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Other program and administrative costs	Internal Admin, External Admin, Implementation, and Marking costs, Costs tab	✓	✓	\$ 902,853	\$ 171,252	\$ 66,483	\$ 58,801	\$ 111,400	\$ 3,980	\$ 10,724	\$ 711	\$ 236,041	\$ 188,744	\$ 46,513	\$ 5,633	\$ 711	\$ 1,861	\$ -	\$ -
4	EM&V costs	EM&V costs, Costs tab	✓	✓	\$ 205,512	\$ 34,122	\$ 9,014	\$ 10,629	\$ 31,532	\$ -	\$ -	\$ 5,048	\$ 60,562	\$ 40,848	\$ 4,259	\$ -	\$ 9,499	\$ -	\$ -	\$ -
5	Performance incentives ¹	Performance Incentive calculation, 3. Att H1 PI tab	✓	✓	\$ 472,357	\$ 111,695	\$ 10,703	\$ 63,709	\$ 67,328	\$ 10,567	\$ -	\$ -	\$ 98,743	\$ 95,188	\$ 14,423	\$ -	\$ -	\$ -	\$ -	\$ -
Utility System Benefits																				
6	Avoided energy costs	2. Att H1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	\$ 7,428,722	\$ 180,764	\$ 40,394	\$ 190,391	\$ 867,003	\$ 134,942	\$ -	\$ -	\$ 2,976,270	\$ 2,788,755	\$ 250,203	\$ -	\$ -	\$ -	\$ -	\$ -
7	Avoided generating capacity costs	2. Att H1 Ben tab (does not include avoided line losses and wholesale risk premium for uncleared capacity)	✓	✓	\$ 1,144,131	\$ 11,632	\$ 18,641	\$ 33,218	\$ 141,257	\$ 15,136	\$ -	\$ -	\$ 316,463	\$ 545,330	\$ 62,454	\$ -	\$ -	\$ -	\$ -	\$ -
8	Avoided reserves	Included in avoided generating capacity costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Avoided transmission costs	2. Att H1 Ben tab	✓	✓	\$ 1,491,804	\$ 12,181	\$ 19,886	\$ 36,022	\$ 216,116	\$ 29,819	\$ -	\$ -	\$ 405,261	\$ 690,954	\$ 81,565	\$ -	\$ -	\$ -	\$ -	\$ -
10	Avoided distribution costs	2. Att H1 Ben tab	✓	✓	\$ 1,292,360	\$ 10,552	\$ 17,227	\$ 31,206	\$ 187,223	\$ 25,832	\$ -	\$ -	\$ 351,080	\$ 598,578	\$ 70,661	\$ -	\$ -	\$ -	\$ -	\$ -
11	Avoided T&D line losses	Calculated based on 8% line loss factor applied to Avoided energy, generating capacity, and DRPIE	✓	✓	\$ 763,416	\$ 16,773	\$ 5,043	\$ 19,173	\$ 90,789	\$ 13,908	\$ -	\$ -	\$ 294,199	\$ 295,587	\$ 27,944	\$ -	\$ -	\$ -	\$ -	\$ -
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 (DRPIE)	2. Att H1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	\$ 639,825	\$ 9,574	\$ 2,181	\$ 7,910	\$ 87,528	\$ 17,575	\$ -	\$ -	\$ 253,562	\$ 236,269	\$ 25,226	\$ -	\$ -	\$ -	\$ -	\$ -
14	Avoided compliance with RPS requirements	Included in avoided energy costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Avoided environmental compliance costs (embedded)	Included in avoided energy costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Avoided credit and collection costs	Included in income eligible (participant non-energy benefits)	✓			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	Reduced risk	Calculated based on 8% wholesale risk premium applied to avoided energy, DRPIE, and uncleared avoided generating capacity	✓	✓	\$ 679,024	\$ 15,913	\$ 3,672	\$ 16,728	\$ 80,366	\$ 12,787	\$ -	\$ -	\$ 270,817	\$ 255,399	\$ 23,342	\$ -	\$ -	\$ -	\$ -	\$ -
18	Increased reliability ²	2. Att H1 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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Non-Utility System Impacts																				
20	Other fuel	2. Att H1 Ben tab	✓	✓	\$ 3,113,547	\$ 587,184	\$ 1,125,990	\$ 2,179,882	\$ (177,818)	\$ -	\$ -	\$ -	\$ (291,657)	\$ (265,722)	\$ (44,312)	\$ -	\$ -	\$ -	\$ -	\$ -
21	Water resource	2. Att H1 Ben tab	✓	✓	\$ 112,360	\$ 123	\$ 1,385	\$ 1,225	\$ 102,393	\$ -	\$ -	\$ -	\$ -	\$ 7,234	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Income eligible (participant costs)	1. Att H1 Cost Eff tab	✓	✓	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Income eligible (participant non-energy benefits)	2. Att H1 Ben tab	✓	✓	\$ 866,840	\$ 866,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24	Participant costs	1. Att H1 Cost Eff tab	✓		\$ 4,009,593	\$ -	\$ 56,100	\$ 243,654	\$ 155,838	\$ -	\$ -	\$ -	\$ 1,996,525	\$ 1,282,717	\$ 274,760	\$ -	\$ -	\$ -	\$ -	\$ -
25	Participant non-energy benefits	2. Att H1 Ben tab	✓		\$ 2,394,330	\$ -	\$ 308,259	\$ 628,633	\$ 373,116	\$ 62,500	\$ -	\$ -	\$ 457,600	\$ 514,515	\$ 49,708	\$ -	\$ -	\$ -	\$ -	\$ -
26	Environmental, NH fossil fuel proxy	2. Att H1 Ben tab	✓	✓	\$ 214,519	\$ 44,519	\$ 69,769	\$ 155,670	\$ (8,378)	\$ -	\$ -	\$ -	\$ (22,494)	\$ (21,148)	\$ (3,419)	\$ -	\$ -	\$ -	\$ -	\$ -
Granite State Test																				
27	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22)	✓		\$ 7,583,874	\$ 1,730,657	\$ 165,837	\$ 987,149	\$ 1,043,217	\$ 163,736	\$ 67,749	\$ 5,759	\$ 1,529,984	\$ 1,474,901	\$ 223,471	\$ 168,950	\$ 10,210	\$ 12,254	\$ -	\$ -
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)	✓		\$ 17,746,549	\$ 1,756,054	\$ 1,304,189	\$ 2,671,427	\$ 1,586,480	\$ 250,000	\$ -	\$ -	\$ 4,553,501	\$ 5,131,234	\$ 493,664	\$ -	\$ -	\$ -	\$ -	\$ -
29	BC Ratio	Line 28 / Line 27	✓		2.34	1.01	7.86	2.71	1.52	1.53	-	2.98	3.48	2.21	-	-	-	-	-	
Total Resource Cost Test																				
30	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22); Participant Costs (line 24)	✓		\$ 11,593,467	\$ 1,730,657	\$ 221,937	\$ 1,230,803	\$ 1,199,055	\$ 163,736	\$ 67,749	\$ 5,759	\$ 3,526,509	\$ 2,757,617	\$ 498,231	\$ 168,950	\$ 10,210	\$ 12,254	\$ -	\$ -
31	Benefits	Utility System Benefits (lines 6-11, 13-15, 17, 19 ¹); Non-Utility System Impacts (lines 20-21, 23, 25-26)	✓		\$ 20,140,879	\$ 1,756,054	\$ 1,612,448	\$ 3,300,060	\$ 1,959,596	\$ 312,499	\$ -	\$ -	\$ 5,011,101	\$ 5,645,749	\$ 543,372	\$ -	\$ -	\$ -	\$ -	\$ -
32	BC Ratio	Line 31 / Line 30	✓		1.74	1.01	7.27	2.68	1.63	1.91	-	1.42	2.05	1.09	-	-	-	-	-	

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

Portfolio Planned Versus Actual Performance - 2021

Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of		Actual PI	Actual Coefficient w/ 100% Threshold	PI w/ 100% Threshold	Source
							Planned PI	Planned PI				
1 Lifetime kWh Savings	126,312,538	94,734,404	133,299,322	106%	1.925%	2.031%	\$ 149,064	\$ 186,330	\$ 154,065	2.031%	\$ 154,065	Planned and Actual from Cost Eff Tab
2 Annual kWh Savings	14,090,468	7,045,234	15,972,727	113%	0.550%	0.623%	\$ 42,590	\$ 53,237	\$ 47,283	0.623%	\$ 47,283	Planned and Actual from Cost Eff Tab
3 Summer Peak Demand kW	1,647	1,235	2,015	122%	0.660%	0.807%	\$ 51,108	\$ 63,884	\$ 61,235	0.807%	\$ 61,235	Planned and Actual from Cost Eff Tab
4 Winter Peak Demand kW	2,025	1,519	2,690	133%	0.440%	0.550%	\$ 34,072	\$ 42,590	\$ 41,711	0.550%	\$ 41,711	Planned and Actual from Cost Eff Tab
5 Active Demand kW	-	-	-	-	0.000%	-	\$ -	\$ -	\$ -	-	-	Planned and Actual from ADR Cost Eff Tab
6 Total Resource Benefits	\$ 15,632,186	-	16,665,191	107%	-	-	-	-	-	-	-	Planned and Actual from Benefits Tab
7 Total Utility Costs ¹	\$ 7,743,573	-	7,583,874	98%	-	-	-	-	-	-	-	Planned and Actual from Cost Eff Tab
8 Net Benefits	\$ 7,888,613	\$ 5,127,599	\$ 9,081,317	115%	1.925%	2.216%	\$ 149,064	\$ 186,330	\$ 168,062	2.216%	\$ 168,062	Line 5 minus line 6
9 Total					5.500%	6.228%	\$ 425,897	\$ 532,371	\$ 472,357	6.228%	\$ 472,357	

	Granite State Test		Source
	Planned	Actual	
10 Total Benefits	\$ 15,784,439	\$ 17,746,549	Planned and Actual from Cost Eff Tab
11 Performance Incentive	\$ 425,897	\$ 472,357	from row 8 above
12 Total Utility Costs	\$ 7,743,573	\$ 7,583,874	from row 6 above
13 Portfolio GST BCR	1.93	2.20	row 9 divided by rows 10+11

Costs, Benefits, and PI Expressed in 2021 Dollars.

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

Row Labels	Column Labels Sum of Total Program Costs	
	Actual	Planned
A - Residential	2,433,446.9	2,595,556.0
A1 - Energy Star Homes	165,836.9	446,820.7
A2 - Home Performance with Energy Star	987,149.3	801,804.4
A3 - Energy Star Products	1,043,216.6	1,044,546.9
A4 - Residential Behavior	163,736.4	153,784.0
A5 - Residential Active Demand Response	67,749.1	122,100.0
A6a - Res Customer Engagement Platform	-	-
A6b - Res ISO Forward Capacity Market Expenses	5,758.6	26,500.0
B - Low-Income	1,730,656.9	1,353,130.6
B1 - Home Energy Assistance	1,730,656.9	1,353,130.6
C - Commercial & Industrial	3,419,769.9	3,794,886.7
C1 - Large Business Energy Solutions	1,529,983.8	1,632,099.3
C2 - Small Business Energy Solutions	1,474,900.6	1,570,429.8
C3 - Municipal Energy Solutions	223,471.1	265,229.7
C4 - Energy Rewards RFP Program	-	-
C5 - C&I Active Demand Response	168,950.1	227,343.0
C6a - C&I Customer Engagement Platform	-	-
C6b - C&I ISO Forward Capacity Market Expenses	10,209.9	25,000.0
C6c - C&I Education	12,254.4	74,785.0
C6d - C&I Customer Partnerships	-	-
C6e - Smart Start	-	-
Grand Total	7,583,873.7	7,743,573.4

Sum of Rebate / Services		Sum of Net Annual Energy (MWh)		Sum of Net Lifetime Energy (MWh)	
Actual	Planned	Actual	Planned	Actual	Planned
2,125,126.3	1,734,343.5	5,632.4	4,118.1	21,746.4	18,384.2
90,339.6	287,640.0	58.3	98.6	1,151.9	2,415.7
917,719.8	530,728.0	176.1	92.6	3,347.1	1,631.8
900,284.6	725,916.0	3,224.3	2,075.7	15,073.7	12,485.5
159,756.9	140,059.5	2,173.8	1,851.2	2,173.8	1,851.2
57,025.5	50,000.0	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
1,525,282.5	947,926.0	175.1	80.5	2,988.4	1,119.3
1,525,282.5	947,926.0	175.1	80.5	2,988.4	1,119.3
2,825,099.7	2,825,066.1	10,165.3	9,891.9	108,564.5	106,809.1
1,233,380.3	1,228,822.0	4,953.2	5,582.9	53,534.4	62,400.3
1,245,309.2	1,190,162.0	4,764.2	3,894.7	50,551.3	40,043.8
172,699.9	179,082.1	447.9	414.3	4,478.8	4,365.0
-	-	-	-	-	-
163,317.1	175,000.0	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
10,393.2	52,000.0	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
6,475,508.5	5,507,335.6	15,972.7	14,090.5	133,299.3	126,312.5

Unitil Energy Systems Inc
 NHPUC Docket No. DE 20-092
 2021 Annual Filing
 Order No. 26,621, 9.ii.1: Planned vs Actuals

Sum of Total Net Annual MMBTU		Sum of Total Net Lifetime MMBTU	
Actual	Planned	Actual	Planned
996.2	2,465.4	131,955.3	106,164.9
1,768.3	1,796.2	42,847.9	44,988.5
4,633.4	3,196.4	99,747.4	64,090.4
(5,405.5)	(2,527.2)	(10,640.0)	(2,914.0)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1,159.4	2,692.2	24,787.9	53,818.2
1,159.4	2,692.2	24,787.9	53,818.2
(3,779.8)	(9,518.6)	(38,806.3)	(95,486.2)
(1,890.1)	(779.8)	(18,822.2)	(8,002.2)
(1,603.7)	(8,639.9)	(17,124.5)	(86,495.1)
(286.0)	(98.9)	(2,859.6)	(988.9)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
(1,624.2)	(4,361.0)	117,936.9	64,496.9

Lookups and Assumptions

GENERAL INPUTS

Fuel	Gas
PA	Northern Utilities Inc.
Period	Actual
Year 1	2021
Year 2	2022
Year 3	2023

AVOIDED COST ASSUMPTIONS

Three-Year Inputs

Input	Unit
Real Year	Year
Half Year Factor	%
Wholesale Risk Premium	%
Distribution Losses	%
Pcnt of Capacity Bid into FCM (%Bid)	%
PTF losses	%
Pounds per short ton	Pounds
MMBtu in 1 kWh	MMBtu
kWh in 1 MMBtu	kWh

Annual Inputs

Input	Unit
Nominal Discount Rate	%
Inflation	%
Real Discount Rate	%
PTF Avoided Costs	\$ per kW
PTF Year	Year \$
Avoided Local Transmission Costs	\$ per kW
Avoided Distribution Costs	\$ per kW
T&D Year	Year \$
Res Water & Sewer	\$ per gallon
CI Water	\$ per gallon
T&D Year	Year \$

Line Loss Inputs

Input	Unit
Summer Peak	%
Summer Off-Peak	%

Winter Peak	%
Winter Off-Peak	%
Average Loss	%

Benefit Toggles

Input	Unit
Energy DRIPE	Toggle
Electric Cross DRIPE	Toggle
Capacity DRIPE	Toggle
Reliability	Toggle
Gas Supply DRIPE	Toggle
Gas Electric Cross DRIPE	Toggle
Oil DRIPE	Toggle
Fossil emissions	Toggle
Fossil emissions RGGI	Toggle
Environmental Externalities	Toggle
NEI Adder	Toggle

NON-ENERGY IMPACTS

NEI Adder by sector	Unit
A - Residential	%
B - Low-Income	%
C - Commercial & Industrial	%

FOSSIL EMISSIONS

Fossil Emissions Scaling Factor

Percent of fossil emissions	%
-----------------------------	---

Fossil Emissions Factors

	CO2 (pounds/MMBtu)
Natural Gas	116.60
Oil	161.30
Propane	136.90
Kerosene	159.40

Source / Notes

CO2 pounds:	
Nox pounds:	
CO2 value:	
Nox value:	

SALES

MMBTU Sales (2019)

Northern Utilities Inc.	
Liberty	
Statewide Total	
2019 MMBTU Sales	

REFERENCED LISTS

Other Fuel Savings

Fuel Type in AESC

NG - Res All
NG - Res Hot Water
NG - Res Heating
NG - Res Non Heating
NG - C&I Gas Non Heating
NG - C&I Gas Heat
NG - C&I Gas All
Fuel Oil - Residential Distillate
Fuel Oil - Com Fuel
Fuel Oil - Industrial
Kerosene
Propane
Cord Wood
Pellet Wood
Res Water
C&I Water

End Use

Behavior
Custom Measures
Energy Star Homes
Envelope
Non-Energy Saving
Hot Water
HVAC
Lighting
Process
Refrigeration
Food Service
Compressed Air
Motors/Drives

Sectors

A - Residential
B - Low-Income
C - Commercial & Industrial

ELECTRIC Programs

LOW INCOME

B1 - Home Energy Assistance

RESIDENTIAL

A1 - Energy Star Homes
A2 - Home Performance with Energy Star
A3 - Energy Star Products
A4 - Residential Behavior
A5 - Residential Active Demand Response
A6a - Res Customer Engagement Platform

A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Energy Optimization Pilot
A6e - Res Financing
A7 - TBD Res Pilots/Demonstrations

C&I

C1 - Large Business Energy Solutions
C2 - Small Business Energy Solutions
C3 - Municipal Energy Solutions
C4 - Energy Rewards RFP Program
C5 - C&I Active Demand Response
C6a - C&I Customer Engagement Platform
C6b - C&I ISO Forward Capacity Market Expenses
C6c - C&I Education
C6d - C&I Customer Partnerships
C6e - Smart Start
C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7 - C&I TBD Pilots/Demonstrations

GAS Programs

LOW INCOME

B1 - Home Energy Assistance

RESIDENTIAL

A1 - Energy Star Homes
A2 - Home Performance with Energy Star
A3 - Energy Star Products
A4 - Residential Behavior
A5 - Residential Active Demand Response
A6a - Res Customer Engagement Platform
A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Energy Optimization Pilot
A6e - Res Financing
A7 - Res TBD Pilots/Demonstrations

C&I

C1 - Large Business Energy Solutions
C2 - Small Business Energy Solutions
C3 - Municipal Energy Solutions
C4 - Energy Rewards RFP Program
C5 - C&I Active Demand Response
C6a - C&I Customer Engagement Platform
C6b - C&I ISO Forward Capacity Market Expenses
C6c - C&I Education
C6d - C&I Customer Partnerships
C6e - Smart Start
C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7 - TBD C&I Pilots/Demonstrations

Subprogram

LOW INCOME

B1a - HEA (Weatherization)
B1b - HEA (HVAC Systems)

RESIDENTIAL

A1a - ES Homes
A2a - HPwES (Weatherization)
A2b - HPwES (HVAC Systems)
A2c - HPwES 3rd Party Financing (Loan buy-down)
A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)
A3a - ES Lighting
A3b - ES Appliances
A3c - ES HVAC Systems
A4a - Residential Behavior
A5a - Residential Active Demand Response
A6a - Res Customer Engagement Platform
A6b - Res ISO Forward Capacity Market Expenses
A6c - Res Education
A6d - Energy Optimization Pilot
A6e - Res Financing
A7a - TBD Res Pilot/Demonstration 1
A7b - TBD Res Pilot/Demonstration 2

C&I

C1a - LCI Retrofit
C1b - LCI New Equipment and Construction
C1c - LCI Midstream
C1d - LCI Direct Install
C2a - SCI Retrofit
C2b - SCI New Equipment and Construction
C2c - SCI Midstream
C2d - SCI Direct Install
C3a - Muni Retrofit
C3b - Muni New Equipment and Construction
C3d - Muni Direct Install
C4a - Energy Rewards RFP Program
C5a - C&I Active Demand Response
C6a - C&I Customer Engagement Platform
C6b - C&I ISO Forward Capacity Market Expenses
C6c - C&I Education
C6d - C&I Customer Partnerships
C6e - Smart Start
C6f - C&I On Bill Financing
C6g - C&I Building Practices and Demo
C7a - TBD C&I Pilot/Demonstration 1
C7b - TBD C&I Pilot/Demonstration 2

Customers

Utility Customers (2020)

Northern Utilities Inc.
Liberty
Statewide Total
2020 Customers



2021-2023	Source / Notes
2018	Updated on May 5, 2018 to reflect 2018 AESC. Previous value was 2017.
50.0%	Industry standard assumption.
8.0%	2018 AESC, October 2018 Release, Appendix B.
6.9%	
0%	2018 AESC, October 2018 Release, Appendix B.
1.6%	2018 AESC, October 2018 Release, Appendix B.
2,000	Industry standard assumption.
0.00341	Industry standard assumption.
293.07	Industry standard assumption.



2021	2022	2023	Source / Notes
3.25%	3.25%	3.25%	Updated June 24, 2020. B Efficiency Group Report, c http://www.moneycafe.com
1.81%	1.81%	1.81%	Updated June 24, 2020. B https://fred.stlouisfed.org/c
1.41%	1.41%	1.41%	Calculated: Real Discount
\$94.00	\$94.00	\$94.00	2018 AESC, October 2018
2018			2018 AESC, October 2018
			\$0. At this time the NH Uti in the benefit cost model.
\$79.98	\$79.98	\$79.98	
2017			
\$0.0079	\$0.0079	\$0.0079	
\$0.0079	\$0.0079	\$0.0079	
2016			



Eversource Factors	AESC 2018	Source / Notes
8.00%	15.90%	
8.00%	17.50%	ISO New England default for electrical

8.00%	31.70%	default for electrical
8.00%	34.90%	losses is 8 percent.
8.00%		Calculated Used for Electric Cross DF

Included?	Source / Notes
Yes	
Yes	
Yes	
No	
Yes	
Yes	
Yes	
No	
Yes	
Yes	
Yes	

Value	Source / Notes
15%	Takes percent of total energy benefit (excludes water) and adds to total be
\$405.71	Annual dollar value per weatherization project added to total benefits.
15%	Takes percent of total energy benefit (excludes water) and adds to total be

10.00%	
--------	--

Nox (pounds/MMBtu)	CO2 Value (\$/ton)	Nox Value (\$/ton)	CO2 Value (\$/MMBTU)
0.09	100.00	11,954.59	\$5.83
0.13	100.00	11,954.59	\$8.07
0.14	100.00	11,954.59	\$6.85
0.13	100.00	11,954.59	\$7.97

	9/1 goal	% of sales	7/1 total
7,560,544	188,393	2.49%	
17,558,519	565,179	3.22%	
25,119,063	753,572	3.00%	-
7,560,544	Used to calculate percent of sales savings (based on 2019 sales)		





Residential	Low-Income	C&I	
25,433	1,266	7,013	Updated per bill and impact
25,433	1,266	7,013	
25,433	1,266	7,013	



based on the June 2020 Prime Rate in accordance with the Final Energy
dated July 6, 1999 in DR 96-150. Retrieved from
[n/personal-finance/prime-rate/](#)

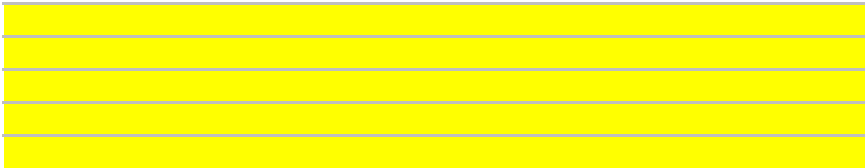
based on the inflation rate from Q1 2019 to Q1 2020, Retrieved from
[data/GDPDEF.txt](#)

$$\text{Rate} = [(1 + \text{Nominal Discount Rate}) / (1 + \text{Inflation Rate})] - 1$$

3 release, page 215-216.

3 release, page 215-216.

ilities do not have additional benefits related to avoided local transmission



0.01272
0.014

0.02536
0.02792

RIPE



Updated to 28% JG from 10%

Updated to 26% from 28%



Nox Value (\$/MMBTU)	Total Value (\$/MMBTU)
\$0.55	\$6.38
\$0.78	\$8.84
\$0.85	\$7.70
\$0.78	\$8.75

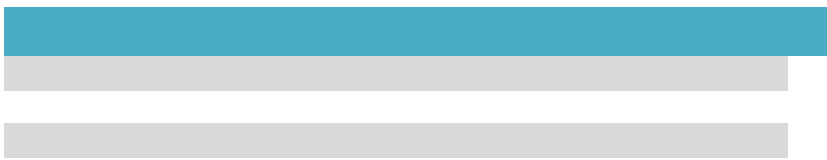


% of sales

0.00%

0.00%

0.00%



Horizontal bar (gray)

Horizontal bar (teal)

Horizontal bar (gray)

Horizontal bar (gray)

Horizontal bar (gray)

Horizontal bar (teal)

Horizontal bar (gray)

[Redacted]

[Redacted]

[Redacted]

Availed Costs

Category	Item	Value	Unit	Notes
Fuel

Electricity

Gas

Water

Maintenance

Insurance

Miscellaneous

Availed Electricity Costs from AESC

Year	Month	Day	Hour	Cost	Unit	Notes
2018	Jan	1	00:00	...	...	...
2018	Jan	1	01:00	...	...	...
2018	Jan	1	02:00	...	...	...
2018	Jan	1	03:00	...	...	...
2018	Jan	1	04:00	...	...	...
2018	Jan	1	05:00	...	...	...
2018	Jan	1	06:00	...	...	...
2018	Jan	1	07:00	...	...	...
2018	Jan	1	08:00	...	...	...
2018	Jan	1	09:00	...	...	...
2018	Jan	1	10:00	...	...	...
2018	Jan	1	11:00	...	...	...
2018	Jan	1	12:00	...	...	...
2018	Jan	1	13:00	...	...	...
2018	Jan	1	14:00	...	...	...
2018	Jan	1	15:00	...	...	...
2018	Jan	1	16:00	...	...	...
2018	Jan	1	17:00	...	...	...
2018	Jan	1	18:00	...	...	...
2018	Jan	1	19:00	...	...	...
2018	Jan	1	20:00	...	...	...
2018	Jan	1	21:00	...	...	...
2018	Jan	1	22:00	...	...	...
2018	Jan	1	23:00	...	...	...
2018	Jan	2	00:00	...	...	...

Availed Natural Gas Costs from AESC

Year	Month	Day	Hour	Cost	Unit	Notes
2018	Jan	1	00:00	...	...	...
2018	Jan	1	01:00	...	...	...
2018	Jan	1	02:00	...	...	...
2018	Jan	1	03:00	...	...	...
2018	Jan	1	04:00	...	...	...
2018	Jan	1	05:00	...	...	...
2018	Jan	1	06:00	...	...	...
2018	Jan	1	07:00	...	...	...
2018	Jan	1	08:00	...	...	...
2018	Jan	1	09:00	...	...	...
2018	Jan	1	10:00	...	...	...
2018	Jan	1	11:00	...	...	...
2018	Jan	1	12:00	...	...	...
2018	Jan	1	13:00	...	...	...
2018	Jan	1	14:00	...	...	...
2018	Jan	1	15:00	...	...	...
2018	Jan	1	16:00	...	...	...
2018	Jan	1	17:00	...	...	...
2018	Jan	1	18:00	...	...	...
2018	Jan	1	19:00	...	...	...
2018	Jan	1	20:00	...	...	...
2018	Jan	1	21:00	...	...	...
2018	Jan	1	22:00	...	...	...
2018	Jan	1	23:00	...	...	...
2018	Jan	2	00:00	...	...	...

Availed Other Fuel Costs from AESC

Year	Month	Day	Hour	Cost	Unit	Notes
2018	Jan	1	00:00	...	...	...
2018	Jan	1	01:00	...	...	...
2018	Jan	1	02:00	...	...	...
2018	Jan	1	03:00	...	...	...
2018	Jan	1	04:00	...	...	...
2018	Jan	1	05:00	...	...	...
2018	Jan	1	06:00	...	...	...
2018	Jan	1	07:00	...	...	...
2018	Jan	1	08:00	...	...	...
2018	Jan	1	09:00	...	...	...
2018	Jan	1	10:00	...	...	...
2018	Jan	1	11:00	...	...	...
2018	Jan	1	12:00	...	...	...
2018	Jan	1	13:00	...	...	...
2018	Jan	1	14:00	...	...	...
2018	Jan	1	15:00	...	...	...
2018	Jan	1	16:00	...	...	...
2018	Jan	1	17:00	...	...	...
2018	Jan	1	18:00	...	...	...
2018	Jan	1	19:00	...	...	...
2018	Jan	1	20:00	...	...	...
2018	Jan	1	21:00	...	...	...
2018	Jan	1	22:00	...	...	...
2018	Jan	1	23:00	...	...	...
2018	Jan	2	00:00	...	...	...

1 LS_ID	2 Load Shape Description	3 Total Energy				4 Summer			8 Seasonal Peak
		5 Summer		6 Winter		7 Peak Day	On Peak		
		On Peak	Off Peak	On Peak	Off Peak				
ls_0	Non-Electric Measures	0.0%	0.0%	0.0%	0.0%				
ls_1	Clothes Washer	18.3%	15.4%	36.4%	29.9%	0.00013	0.00013	0.00014	
ls_10	24 hour operation	15.2%	18.3%	30.5%	36.1%				
ls_75	Clothes Dryer - Electric	16.9%	14.2%	38.9%	30.0%	0.00013	0.00013	0.00013	
ls_76	Clothes Dryer - Natural Gas	15.9%	16.4%	37.6%	30.1%	0.00013	0.00013	0.00013	
ls_3	Hardwired Electric Heat	0.0%	0.0%	43.1%	56.9%	-	-	-	
ls_4	Lighting	19.0%	15.1%	35.1%	30.7%	0.00014	0.00014	0.00014	
ls_6	Primary TV and Peripherals	15.4%	17.6%	32.2%	34.8%	0.00011	0.00011	0.00011	
ls_91	Primary Desktop Computer	17.5%	17.3%	33.5%	31.7%	0.00014	0.00014	0.00015	
ls_7	Primary Refrigerator	18.2%	20.9%	29.0%	31.9%	0.00016	0.00014	0.00016	
ls_77	Secondary Refrigerator	19.9%	23.6%	26.3%	30.2%	0.00017	0.00016	0.00017	
ls_78	Freezer	17.1%	20.7%	28.7%	33.6%	0.00014	0.00013	0.00013	
ls_79	Dehumidifier	24.9%	29.7%	22.0%	23.3%	0.00021	0.00019	0.00020	
ls_80	Pool Pump	54.5%	38.2%	4.9%	2.4%	0.00052	0.00058	0.00066	
ls_81	Dishwasher	14.8%	16.3%	34.1%	34.8%	0.00008	0.00008	0.00009	
ls_8	Water Heater - Electric	15.2%	11.9%	41.5%	31.4%	0.00007	0.00008	0.00009	
ls_83	Water Heater - Heat Pump	14.9%	13.0%	39.1%	33.0%	0.00009	0.00009	0.00010	
ls_9	Water Heater - Natural Gas/Fuel Oil	13.3%	11.6%	40.9%	34.2%	0.00007	0.00008	0.00008	
ls_11	Central Air Conditioner/Heat Pump (Cooling)	47.3%	42.2%	6.6%	3.8%	0.00129	0.00055	0.00117	
ls_18	Room or Window Air Conditioner	47.5%	47.4%	2.9%	2.2%	0.00125	0.00052	0.00116	
ls_89	Mini-Split Air Conditioner/Heat Pump (Cooling)	43.4%	40.2%	7.4%	9.0%	0.00130	0.00047	0.00111	
ls_90	Mini-Split Heat Pump (Heating)	0.0%	0.0%	42.9%	57.1%	-	-	-	
ls_73	Furnace Fan	0.0%	0.0%	44.6%	55.4%	-	-	-	
ls_82	Boiler Distribution	0.0%	0.0%	45.0%	55.0%	-	-	-	
ls_84	Weighted HVAC - All Homes	23.2%	21.7%	25.4%	29.7%	0.00063	0.00026	0.00057	
ls_85	Weighted HVAC - Multi-family	25.2%	23.7%	23.2%	27.9%	0.00068	0.00028	0.00062	
ls_86	Weighted HVAC - Multi-family Low Income	22.4%	21.6%	25.4%	30.6%	0.00060	0.00025	0.00055	
ls_87	Weighted HVAC - Single Family	22.5%	20.8%	26.1%	30.5%	0.00061	0.00026	0.00056	
ls_88	Weighted HVAC - Single Family Low Income	23.1%	21.7%	25.3%	29.9%	0.00062	0.00026	0.00057	
ls_12	Central Heat Pump	10.1%	9.0%	35.1%	45.7%				
ls_13	DMSHP	8.0%	7.4%	36.4%	48.2%				
ls_14	Electric Resistance with AC	6.0%	5.0%	45.0%	44.0%				
	Custom Calculation								
ls_100	C&I Codes & Standards								
ls_101	C&I Compressed Air - VFD Compressor	26.5%	23.7%	25.9%	23.9%				
ls_102	C&I Compressed Air - Air Dryer	22.4%	27.7%	21.7%	28.1%				
ls_103	C&I Electric Chiller (Combined)	39.4%	38.5%	11.3%	10.8%				
ls_104	C&I Electric Cooling Unitary Equipment	52.7%	34.1%	8.6%	4.6%				
ls_105	C&I Exterior Lighting	19.2%	29.0%	20.1%	31.6%				
ls_106	C&I Interior Lighting - Prescriptive	34.3%	18.1%	30.3%	17.4%				
ls_107	C&I Interior Lighting - Custom	32.3%	19.4%	29.8%	18.6%				
ls_108	C&I Lighting Controls	32.1%	17.7%	31.3%	19.0%				
ls_109	C&I Refrigeration	23.3%	26.8%	22.6%	27.3%				
ls_110	C&I VFDs (Combined)	23.8%	25.3%	23.7%	27.2%				
ls_111	C&I Food Services	16.0%	17.0%	32.0%	35.0%				
ls_112	C&I Heating & Cooling	34.9%	22.1%	26.4%	16.6%				

	A	C	D	E	F	G	H	I	J	L
4	Year	Program (Dropdown)	Subprogram (Dropdown)	Internal Admin	External Admin	Rebate / Services	Implementatio n Services	Marketing	EM&V	TOTAL PA COSTS
44	2022	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$ 60,000	\$ 16,169	\$ -	\$ 33,250	\$ 17,188	\$ 24,000	\$ 150,607
45	2022	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)			\$ -				\$ -
82						\$ -				
83	2023	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$ 52,432	\$ 9,000	\$ -	\$ 27,000	\$ 18,800	\$ 30,000	\$ 137,232
84	2023	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)			\$ -				\$ -

Name	Program	Subprogram	Object	Account	Priority	Budget			Total	01-06		07-12		Total		01-06		07-12		Total		01-06		07-12		Total	
						01	02	03		01	02	03	04	05	06	01	02	03	04	05	06	01	02	03	04	05	06
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...
...

	A	B	C	D	E	F	G	H	I	J	K	AA	AB	AC
1	Year	2021												
2														
3	Inputs								Costs			Natural Gas Savings		
4	Sector	Program	Subprogram	Measure	Measure ID	End Use	Quantity	Measure Life	TRC (Total)	Incentive (Total)	Customer Cost (Total)	Adj. Gross Annual Gas Savings (MMBTU)	Adj. Gross Lifetime Gas Savings (MMBTU)	Net Annual Gas Savings (MMBTU)
5	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Air Sealing, Gas	G21B1a001	Envelope	28	15.0	\$ 16,367	\$ 16,367	\$ -	233.706	3,505.593	233.706
6	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Faucet Aerator, Gas	G21B1a002	Hot Water	8	7.0	\$ 354	\$ 354	\$ -	35.599	249.194	35.599
7	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Hand Held Showerhead, Gas	G21B1a003	Hot Water								
8	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Insulation, Gas	G21B1a004	Envelope	26	25.0	\$ 124,249	\$ 124,249	\$ -	593.693	14,842.328	593.693
9	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	LED Bulb, General Service Lamps	G21B1a005	Lighting	21	2.0	\$ 243	\$ 243	\$ -	-	-	-
10	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	LED Bulb, Linear	G21B1a006	Lighting								
11	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	LED Bulb, Other Specialty	G21B1a007	Lighting								
12	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	LED Bulb, Reflector	G21B1a008	Lighting								
13	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	LED Fixture	G21B1a009	Lighting								
14	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Low Flow Showerhead, Gas	G21B1a010	Hot Water								
15	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Pipe Insulation - Hot Water, Gas	G21B1a011	Hot Water								
16	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Visual Audit	G21B1a012	Non-Energy Saving								
17	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Baseload Audit - SF	G21B1a013	Non-Energy Saving								
18	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Baseload Audit - MF	G21B1a014	Non-Energy Saving								
19	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Audit	0	Non-Energy Saving								
20	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Vendor Fees - Admin Support	0	Non-Energy Saving	12	1.0	\$ 12,157	\$ 12,157	\$ -	-	-	-
21														
22	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Nonprofit services	0	Non-Energy Saving								
23	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Wxn Projects	0	Non-Energy Saving	37	15.0	\$ -	\$ -	\$ -	-	-	-
24														
25	B - Low-Inco	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	Boiler Replacement, Gas	G21B1b001	HVAC	7	19.0	\$ 69,480	\$ 69,480	\$ -	202.675	3,850.829	202.675
26	B - Low-Inco	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	Furnace Replacement, Gas	G21B1b002	HVAC	2	17.0	\$ 20,495	\$ 20,495	\$ -	34.161	580.744	34.161
27	B - Low-Inco	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	Gas LP HVAC Repair or Cleaning	E21B1b025	HVAC	1	2.0	\$ 300	\$ 300	\$ -	-	-	-
28	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Window Replacement, Gas	E21B1a065	Envelope	34	25.0	\$ 23,057	\$ 23,057	\$ -	21.225	530.621	21.225
29	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Insulated Door, Gas	E21B1a072	Envelope	2	25.0	\$ 2,906	\$ 2,906	\$ -	1.010	25.253	1.010
30	B - Low-Inco	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	Stand Alone Water Heater, Gas	E21B1a097	Hot Water	1	13.0	\$ 4,000	\$ 4,000	\$ -	23.833	309.828	23.833
31	B - Low-Inco	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	Programmable Thermostat, Gas	G21B1b003	HVAC	12	15.0	\$ 1,747	\$ 1,747	\$ -	38.220	573.300	38.220
32	B - Low-Inco	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	Wifi Thermostat, Gas	G21B1b004	HVAC								
33														
34	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Cooling, Electric, SF	G21A1a001	HVAC								
35	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Heating, Gas, SF	G21A1a002	HVAC	18	25.0	\$ 36,000	\$ 18,000	\$ 18,000	612.900	15,322.500	612.900
36	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Hot Water, Gas, SF	G21A1a003	Hot Water	13	15.0	\$ -	\$ -	\$ -	71.510	1,072.650	71.510
37	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Cooling, Electric, MF	G21A1a004	HVAC								
38	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Heating, Gas, MF	G21A1a005	HVAC	31	25.0	\$ 46,900	\$ 23,450	\$ 23,450	468.222	11,705.550	468.222
39	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Hot Water, Gas, MF	G21A1a006	Hot Water	18	15.0	\$ -	\$ -	\$ -	123.372	1,850.580	123.372
40	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	LED Bulb	G21A1a007	Lighting								
41	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	LED Fixture	G21A1a008	Lighting								
42	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Clothes Washer	G21A1a009	Hot Water								
43	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	HERS Rater Fee - SF	0	Non-Energy Saving								
44	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	HERS Rater Fee - MF	0	Non-Energy Saving								
45	A - Resident	A1 - Energy Star Homes	A1a - ES Homes	Residential New Construction Code	G21A1a010	HVAC								
46														
47	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Air Sealing, Gas	G21A2a001	Envelope	49	15.0	\$ 32,879	\$ 32,879	\$ -	578.581	8,678.711	578.581
48	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Faucet Aerator, Gas	G21A2a002	Hot Water	7	7.0	\$ 70	\$ 70	\$ -	1.081	7.568	1.081
49	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Hand Held Showerhead, Gas	G21A2a003	Hot Water	9	7.0	\$ 211	\$ 211	\$ -	5.640	39.480	5.640
50	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Insulation, Gas	G21A2a004	Envelope	57	25.0	\$ 395,154	\$ 291,781	\$ 103,374	2,266.110	56,652.750	2,266.110
51	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	LED Bulb, General Service Lamps	G21A2a005	Lighting	267	2.0	\$ 3,286	\$ 3,286	\$ -	-	-	-
52	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	LED Bulb, Linear	G21A2a006	Lighting								
53	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	LED Bulb, Other Specialty	G21A2a007	Lighting								
54	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	LED Bulb, Reflector	G21A2a008	Lighting								
55	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	LED Fixture	G21A2a009	Lighting								
56	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Low Flow Showerhead, Gas	G21A2a010	Hot Water								
57	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Pipe Insulation - Hot Water, Gas	G21A2a011	Hot Water	14	15.0	\$ 1,218	\$ 1,214	\$ 4	16.905	253.579	16.905
58	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Baseload Audit - Electric Savings	G21A2a012	Envelope								

	A	B	C	D	E	F	G	H	I	J	K	AA	AB	AC
59	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Baseload Audit - Thermal Savings	G21A2a013	Envelope								-
60	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Visual Audit	G21A2a014	Envelope								-
61	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Wxn Full audits and STAT	0	Non-Energy Saving								-
62	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Contractor Fee per Job - SF	0	Non-Energy Saving								-
63	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Vendor Fees - Admin Support	0	Non-Energy Saving								-
64	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Quality Assurance	0	Non-Energy Saving	586	1.0	\$ 9,230	\$ 7,561	\$ 1,669	-	-	-
65	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	3rd Party Financing - Interest Rate	0	Non-Energy Saving								-
66														-
67	A - Resident	A2 - Home Performance with Energy Star	A2b - HPwES (HVAC Systems)	Boiler Replacement, Gas	G21A2b001	HVAC								-
68	A - Resident	A2 - Home Performance with Energy Star	A2b - HPwES (HVAC Systems)	Furnace Replacement, Gas	G21A2b002	HVAC								-
69	A - Resident	A2 - Home Performance with Energy Star	A2b - HPwES (HVAC Systems)	Programmable Thermostat, Gas	G21A2b003	HVAC								-
70	A - Resident	A2 - Home Performance with Energy Star	A2b - HPwES (HVAC Systems)	Wifi Thermostat, Gas	G21A2b004	HVAC	73	15.0	\$ 26,883	\$ 26,883	\$ -	423.400	6,351.000	423.400
71	A - Resident	A2 - Home Performance with Energy Star	A2a - HPwES (Weatherization)	Hot Water Setback, Gas	HWS setback	Hot Water	3	2.0	\$ 32	\$ 25	\$ 6	1.019	2.039	1.019
72														-
73	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Early Replacement Boiler, FHW - F	G21A3b001	HVAC								-
74	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Early Replacement Boiler, FHW - F	G21A3b002	HVAC								-
75	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Early Replacement Boiler, Steam -	G21A3b003	HVAC								-
76	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Early Replacement Boiler, Steam -	G21A3b004	HVAC								-
77	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Boiler Reset Controls	G21A3b005	HVAC								-
78	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Condensing Boiler >= 90% AFUE	G21A3b006	HVAC	7	19.0	\$ 16,394	\$ 7,000	\$ 9,394	84.700	1,609.300	84.700
79	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Condensing Boiler >= 95% AFUE	G21A3b007	HVAC	62	19.0	\$ 148,800	\$ 92,500	\$ 56,300	917.600	17,434.400	917.600
80	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Furnace 95+ AFUE (<150) w/ECM	G21A3b008	HVAC	55	17.0	\$ 50,655	\$ 16,500	\$ 34,155	539.000	9,163.000	539.000
81	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Furnace 97+ AFUE (<150) w/ECM	G21A3b009	HVAC	16	17.0	\$ 17,328	\$ 7,200	\$ 10,128	164.800	2,801.600	164.800
82	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Heat Recovery Ventilator (-133 kW)	G21A3b010	HVAC	1	20.0	\$ 960	\$ 500	\$ 460	7.700	154.000	7.700
83	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Programmable Thermostat	G21A3b011	HVAC	25	15.0	\$ 2,300	\$ 666	\$ 1,634	87.500	1,312.500	87.500
84	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Indirect Water Heater (attached to	G21A3b012	Hot Water	9	20.0	\$ 15,741	\$ 3,600	\$ 12,141	36.000	720.000	36.000
85	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Integrated Water Heater w/Conden	G21A3b013	Hot Water								-
86	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Integrated Water Heater w/Conden	G21A3b014	Hot Water	78	19.0	\$ 262,491	\$ 117,000	\$ 145,491	998.400	18,969.600	998.400
87	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Condensing Water Heater (EF 0.95	G21A3b015	Hot Water								-
88	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Stand Alone Storage Tank Water H	G21A3b016	Hot Water	5	13.0	\$ 2,000	\$ 500	\$ 1,500	21.000	273.000	21.000
89	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Tankless On-Demand Water Heate	G21A3b017	Hot Water								-
90	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Tankless On-Demand Water Heate	G21A3b018	Hot Water	14	19.0	\$ 14,494	\$ 9,800	\$ 4,694	102.200	1,941.800	102.200
91	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	WiFi Thermostat (Heating Only)	G21A3b019	HVAC	122	15.0	\$ 32,696	\$ 11,896	\$ 20,800	707.600	10,614.000	707.600
92	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	WiFi Thermostat (Heating & Coolin	G21A3b020	HVAC	33	15.0	\$ 8,844	\$ 3,276	\$ 5,568	191.400	2,871.000	191.400
93	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	ES Appliances Rebate Processing	0	Non-Energy Saving								-
94	A - Resident	A3 - Energy Star Products	A3b - ES Appliances	Admin Fees	0	Non-Energy Saving								-
95														-
96														-
97	A - Resident	A4 - Residential Behavior	A4a - Residential Behavior	Home Energy Reports	G21A4a001	Behavior	13,038	1.0	\$ 25,318	\$ 25,318	\$ -	5,967.840	5,967.840	5,967.840
98														-
99	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Custom Large Hot Water Retro	G21C1a001	Hot Water								-
100	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Custom Large HVAC Retro	G21C1a002	HVAC	1	15.0	\$ 84,812	\$ 63,609	\$ 21,203	2,547.621	38,214.315	2,547.621
101	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Custom Large Other Retro	G21C1a003	Custom Measures								-
102	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Custom Large Process Retro	G21C1a004	Process	3	15.0	\$ 254,823	\$ 190,483	\$ 64,340	8,863.038	132,945.570	8,863.038
103	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Faucet Aerator, Gas	G21C1a005	Hot Water								-
104	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Low Flow Showerhead With Therm	G21C1a006	Hot Water								-
105	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Low Flow Showerhead, Gas	G21C1a007	Hot Water								-
106	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C1a008	Hot Water								-
107	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Pre Rinse Spray Valve, Gas	G21C1a009	Hot Water								-
108	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Boiler Reset Controls, Gas	G21C1a010	HVAC								-
109	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Boiler Tune-Ups	G21C1a011	HVAC								-
110	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Energy Management System, Gas	G21C1a012	HVAC								-
111	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Pipe Insulation - Heating, Gas	G21C1a013	HVAC								-
112	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Steam Trap, Gas	G21C1a014	HVAC								-
113	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Programmable Thermostat, Gas	G21C1a015	HVAC								-
114	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	WiFi Thermostat (Heating & Coolin	G21C1a016	HVAC								-
115	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Vendor Fees	0	Non-Energy Saving								-
116	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Insulation, Gas	G21C1A018	0								-
117	C - Commer	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Air Sealing, Gas	G21c1a017	0								-
118														-
119														-

	A	B	C	D	E	F	G	H	I	J	K	AA	AB	AC
120	C - Commerce	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	Vendor Fees - TA Studies	0	Non-Energy Saving								-
121	C - Commerce	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	CI Audits - Large Retro	0	Non-Energy Saving								-
122														-
123	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Custom Large Hot Water New	G21C1b001	Hot Water								-
124	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Custom Large HVAC New	G21C1b002	HVAC								-
125	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Custom Large Other New	G21C1b003	Custom Measures								-
126	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Custom Large Process New	G21C1b004	Process								-
127	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler 1701 to 2000 MBH 90 AFUE	G21C1b005	HVAC	1	15.0	\$ 113,500	\$ 50,475	\$ 63,025	1,414.272	21,214.080	1,414.272
128	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler 1000 to 1700 MBH 90 AFUE	G21C1b006	HVAC								-
129	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler 500 to 999 MBH 90 AFUE, G	G21C1b007	HVAC								-
130	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler 301 to 499 MBH 90 AFUE, G	G21C1b008	HVAC								-
131	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler to 300 MBH 90 AFUE, Gas	G21C1b009	HVAC								-
132	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Boiler to 300 MBH 95 AFUE, Gas	G21C1b010	HVAC								-
133	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Combo Condensing Boiler / Water	G21C1b011	HVAC								-
134	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Combo Furnace / Water Heater, G	G21C1b012	HVAC								-
135	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Condensing Unit Heater, Gas	G21C1b013	HVAC								-
136	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Furnace w/ ECM 95 AFUE, Gas	G21C1b014	HVAC								-
137	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Furnace w/ ECM 97 AFUE, Gas	G21C1b015	HVAC								-
138	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Infrared Heater, Gas	G21C1b016	HVAC								-
139	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Faucet Aerator, Gas	G21C1b017	Hot Water								-
140	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Low Flow Showerhead With Therm	G21C1b018	Hot Water								-
141	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Low Flow Showerhead, Gas	G21C1b019	Hot Water								-
142	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Pre Rinse Spray Valve, Gas	G21C1b020	Hot Water								-
143	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Combination Oven, Gas	G21C1b021	Food Service								-
144	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Convection Oven, Gas	G21C1b022	Food Service								-
145	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Conveyor Oven, Gas	G21C1b023	Food Service								-
146	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Fryer, Gas	G21C1b024	Food Service								-
147	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Griddle, Gas	G21C1b025	Food Service								-
148	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Rack Oven, Gas	G21C1b026	Food Service								-
149	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Steam Cooker, Gas	G21C1b027	Food Service								-
150	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Vendor Fees	0	Non-Energy Saving								-
151														-
152														-
153														-
154	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	C&I Large New Construction Code	G21C1b028	HVAC								-
155	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	Vendor Fees - TA Studies	0	Non-Energy Saving								-
156														-
157														-
158	C - Commerce	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construc	CI Audits - Large New	0	Non-Energy Saving								-
159	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Water Heater, Condens	G21C1c012	Hot Water								-
160	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Combination Oven, Gas	G21C1c001	Food Service								-
161	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Convection Oven, Gas	G21C1c002	Food Service								-
162	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Conveyor Oven, Gas	G21C1c003	Food Service								-
163	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Fryer, Gas	G21C1c004	Food Service								-
164	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Griddle, Gas	G21C1c005	Food Service								-
165	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Pre-Rinse Spray Valve,	G21C1c006	Hot Water								-
166	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Rack Oven, Gas	G21C1c007	Food Service								-
167	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Steam Cooker, Gas	G21C1c008	Food Service								-
168	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Indirect Water Heater, G	G21C1c009	Hot Water								-
169	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream On Demand Tankless W	G21C1c010	Hot Water								-
170	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Volume Water Heater, G	G21C1c011	Hot Water								-
171	C - Commerce	C1 - Large Business Energy Solutions	C1c - LCI Midstream	Midstream Rebate Processing	0	Non-Energy Saving								-
172														-
173	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Custom Small Hot Water Retro	G21C2a001	Hot Water	1	7.0	\$ 67	\$ 4,077	\$ (4,009)	94.830	663.810	94.830
174	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Custom Hood Controls	G21C2a002	HVAC	1	15.0	\$ -	\$ 8,804	\$ (8,804)	-	-	-
175	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Custom EMS on RTU	G21C2a002	HVAC	1	10.0	\$ 8,576	\$ 1,530	\$ 7,046	35.583	355.830	35.583
176	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Custom Small Other Retro	G21C2a003	Custom Measures								-
177	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Custom Small Process Retro	G21C2a004	Process								-
178	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Faucet Aerator, Gas	G21C2a005	Hot Water	334	7.0	\$ 2,337	\$ 2,337	\$ -	567.800	3,974.600	567.800
179	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Low Flow Showerhead With Therm	G21C2a006	Hot Water								-
180	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Low Flow Showerhead, Gas	G21C2a007	Hot Water	174	7.0	\$ 6,960	\$ 6,960	\$ -	461.100	3,227.700	461.100

	A	B	C	D	E	F	G	H	I	J	K	AA	AB	AC
181	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Pipe Wrap - Hot Water, Gas	G21C2a008	Hot Water								-
182	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Pre Rinse Spray Valve, Gas	G21C2a009	Hot Water	3	8.0	\$ 296	\$ 296	\$ -	34.200	273.600	34.200
183	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Boiler Reset Controls, Gas	G21C2a010	HVAC								-
184	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Boiler Tune-Ups	G21C2a011	HVAC								-
185	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Energy Management System, Gas	G21C2a012	HVAC								-
186	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Pipe Insulation - Heating, Gas	G21C2a013	HVAC								-
187	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Steam Trap, Gas	G21C2a014	HVAC								-
188	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Programmable Thermostat, Gas	G21C2a015	HVAC	58	15.0	\$ 8,700	\$ 8,700	\$ -	133.400	2,001.000	133.400
189	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	WiFi Thermostat (Heating & Cooling)	G21C2a016	HVAC								-
190	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Vendor Fees	0	Non-Energy Saving								-
191	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Air Sealing, Gas	G21C2a017	0								-
192	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Insulation, Gas	G21C2a018	Envelope	1	25.0	\$ 10,100	\$ 4,050	\$ 6,050	53.719	1,342.985	53.719
193														-
194														-
195	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	Vendor Fees - TA Studies	0	Non-Energy Saving								-
196	C - Commerce	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	CI Audits - Small Retro	0	Non-Energy Saving								-
197														-
198	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small Hot Water New	G21C2b001	Hot Water	1	15.0	\$ 2,256	\$ 1,452	\$ 804	64.902	973.530	64.902
199	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small HVAC New - 15	G21C2b002	HVAC	5	15.0	\$ -	\$ 9,109	\$ (9,109)	-	-	-
200	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small HVAC New - 18	G21C2b002	HVAC	1	18.2	\$ -	\$ 62,314	\$ (62,314)	-	-	-
201	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small HVAC New - 25	G21C2b002	HVAC	6	25.0	\$ 129,497	\$ 35,732	\$ 93,765	492.420	12,310.500	492.420
202	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small Other New	G21C2b003	Custom Measures								-
203	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Custom Small Process New	G21C2b004	Process								-
204	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler 1701 to 2000 MBH 90 AFUE	G21C2b005	HVAC								-
205	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler 1000 to 1700 MBH 90 AFUE	G21C2b006	HVAC	2	25.0	\$ 15,748	\$ 15,000	\$ 748	189.000	4,725.000	189.000
206	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler 500 to 999 MBH 90 AFUE, Gas	G21C2b007	HVAC	1	25.0	\$ 5,077	\$ 4,000	\$ 1,077	51.400	1,285.000	51.400
207	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler 301 to 499 MBH 90 AFUE, Gas	G21C2b008	HVAC								-
208	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler to 300 MBH 90 AFUE, Gas	G21C2b009	HVAC								-
209	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Boiler to 300 MBH 95 AFUE, Gas	G21C2b010	HVAC	5	25.0	\$ 19,240	\$ 7,500	\$ 11,740	88.500	2,212.500	88.500
210	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Combo Condensing Boiler / Water Heater, Gas	G21C2b011	HVAC								-
211	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Combo Furnace / Water Heater, Gas	G21C2b012	HVAC								-
212	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Condensing Unit Heater, Gas	G21C2b013	HVAC								-
213	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Furnace w/ ECM 95 AFUE, Gas	G21C2b014	HVAC	14	18.0	\$ 15,848	\$ 4,200	\$ 11,648	79.800	1,436.400	79.800
214	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Furnace w/ ECM 97 AFUE, Gas	G21C2b015	HVAC								-
215	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Infrared Heater, Gas	G21C2b016	HVAC								-
216	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Faucet Aerator, Gas	G21C2b017	Hot Water								-
217	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Low Flow Showerhead With Thermostatic Mixing Valve	G21C2b018	Hot Water								-
218	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Low Flow Showerhead, Gas	G21C2b019	Hot Water								-
219	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Pre Rinse Spray Valve, Gas	G21C2b020	Hot Water								-
220	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Combination Oven, Gas	G21C2b021	Food Service								-
221	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Convection Oven, Gas	G21C2b022	Food Service	4	12.0	\$ 7,544	\$ 4,000	\$ 3,544	142.800	1,713.600	142.800
222	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Conveyor Oven, Gas	G21C2b023	Food Service								-
223	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Fryer, Gas	G21C2b024	Food Service	5	12.0	\$ 17,000	\$ 5,000	\$ 12,000	391.500	4,698.000	391.500
224	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Griddle, Gas	G21C2b025	Food Service								-
225	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Rack Oven, Gas	G21C2b026	Food Service	1	12.0	\$ 4,000	\$ 1,000	\$ 3,000	211.300	2,535.600	211.300
226	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Steam Cooker, Gas	G21C2b027	Food Service								-
227	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Vendor Fees	0	Non-Energy Saving								-
228	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	0	0	0								-
229														-
230														-
231	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	C&I Small New Construction Code	G21C2b028	HVAC								-
232	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	Vendor Fees - TA Studies	0	Non-Energy Saving								-
233														-
234														-
235	C - Commerce	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	CI Audits - Small New	0	Non-Energy Saving								-
236														-
237														-
238	C - Commerce	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Combination Oven, Gas	G21C2c001	Food Service								-
239	C - Commerce	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Convection Oven, Gas	G21C2c002	Food Service	16	12.0	\$ 25,137	\$ 17,500	\$ 7,637	571.200	6,854.400	475.810
240	C - Commerce	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Conveyor Oven, Gas	G21C2c003	Food Service								-
241	C - Commerce	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Fryer, Gas	G21C2c004	Food Service	28	12.0	\$ 79,302	\$ 28,200	\$ 51,102	2,192.400	26,308.800	1,826.269

	A	B	C	D	E	F	G	H	I	J	K	AA	AB	AC
242	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Griddle, Gas	G21C2c005	Food Service								-
243	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Pre-Rinse Spray Valve,	G21C2c006	Hot Water	5	8.0	\$ 541	\$ 250	\$ 291	57.000	456.000	47.481
244	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Rack Oven, Gas	G21C2c007	Food Service								-
245	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Steam Cooker, Gas	G21C2c008	Food Service	2	12.0	\$ 3,332	\$ 2,000	\$ 1,332	741.400	8,896.800	617.586
246	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Indirect Water Heater, G	G21C2c009	Hot Water	1	15.0	\$ 325	\$ 400	\$ (75)	19.000	285.000	5.700
247	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream On Demand Tankless W	G21C2c010	Hot Water	12	20.0	\$ 4,244	\$ 4,794	\$ (550)	106.800	2,136.000	64.080
248	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Volume Water Heater, G	G21C2c011	Hot Water	3	15.0	\$ 7,834	\$ 6,000	\$ 1,834	911.489	13,672.335	546.893
249	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Water Heater, Condens	G21C2c012	Hot Water	32	15.0	\$ 11,394	\$ 26,979	\$ (15,585)	868.330	13,024.950	260.499
250	C - Commercial	C2 - Small Business Energy Solutions	C2c - SCI Midstream	Midstream Rebate Processing	0	Non-Energy Saving								-
251														-
252														-
253														-
254														-
255														-
256	x	x	x	x	x	x	x	x						-
257										1,553,221				

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1															
2															
3	Other Resource Savings: Oil					Other Resource Savings: Propane				Other Resource Savings: Kerosene				Other Resource S	
4	Net Lifetime Gas Savings (MMBTU)	Adj Gross Annual Oil Savings (MMBTU)	Adj Gross Lifetime Oil Savings (MMBTU)	Net Annual Oil Savings (MMBTU)	Net Lifetime Oil Savings (MMBTU)	Adj Gross Annual Propane Savings (MMBTU)	Adj Gross Lifetime Propane Savings (MMBTU)	Net Annual Propane Savings (MMBTU)	Net Lifetime Propane Savings (MMBTU)	Adj Gross Annual Kerosene Savings (MMBTU)	Adj Gross Lifetime Kerosene Savings (MMBTU)	Net Annual Kerosene Savings (MMBTU)	Net Lifetime Kerosene Savings (MMBTU)	Adj Gross Annual Cord Wood Savings (MMBTU)	Adj Gross Lifetime Cord Wood Savings (MMBTU)
5	3,505.593	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	249.194	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7															
8	14,842.328	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10															
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18															
19															
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21															
22															
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24															
25	3,850.829	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	580.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	530.621	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	25.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	309.828	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	573.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32															
33															
34															
35	15,322.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	1,072.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37															
38	11,705.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1,850.580	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40															
41															
42															
43															
44															
45															
46															
47	8,678.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	7.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	39.480	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	56,652.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52															
53															
54															
55															
56															
57	253.579	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58															

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
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64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65				-				-				-			
66				-				-				-			
67				-				-				-			
68				-				-				-			
69				-				-				-			
70	6,351.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	2.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72				-				-				-			
73				-				-				-			
74				-				-				-			
75				-				-				-			
76				-				-				-			
77				-				-				-			
78	1,609.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	17,434.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	9,163.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81	2,801.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
82	154.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
83	1,312.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84	720.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85				-				-				-			
86	18,969.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87				-				-				-			
88	273.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89				-				-				-			
90	1,941.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91	10,614.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	2,871.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93				-				-				-			
94				-				-				-			
95				-				-				-			
96				-				-				-			
97	5,967.840	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98				-				-				-			
99				-				-				-			
100	38,214.315	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101				-				-				-			
102	132,945.570	-	-	-	-	-	-	-	-	-	-	-	-	-	-
103				-				-				-			
104				-				-				-			
105				-				-				-			
106				-				-				-			
107				-				-				-			
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110				-				-				-			
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	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
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123				-				-				-			
124				-				-				-			
125				-				-				-			
126	21,214.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127				-				-				-			
128				-				-				-			
129				-				-				-			
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166				-				-				-			
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168				-				-				-			
169				-				-				-			
170				-				-				-			
171				-				-				-			
172				-				-				-			
173	663.810	-	-	-	-	-	-	-	-	-	-	-	-	-	-
174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
175	355.830	-	-	-	-	-	-	-	-	-	-	-	-	-	-
176				-				-				-			
177				-				-				-			
178	3,974.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179				-				-				-			
180	3,227.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
181				-				-				-		-	
182	273.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183				-				-				-		-	
184				-				-				-		-	
185				-				-				-		-	
186				-				-				-		-	
187				-				-				-		-	
188	2,001.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189				-				-				-		-	
190				-				-				-		-	
191				-				-				-		-	
192	1,342.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193				-				-				-		-	
194				-				-				-		-	
195				-				-				-		-	
196				-				-				-		-	
197				-				-				-		-	
198	973.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201	12,310.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202				-				-				-		-	
203				-				-				-		-	
204				-				-				-		-	
205	4,725.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	1,285.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
207				-				-				-		-	
208				-				-				-		-	
209	2,212.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210				-				-				-		-	
211				-				-				-		-	
212				-				-				-		-	
213	1,436.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-
214				-				-				-		-	
215				-				-				-		-	
216				-				-				-		-	
217				-				-				-		-	
218				-				-				-		-	
219				-				-				-		-	
220				-				-				-		-	
221	1,713.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
222				-				-				-		-	
223	4,698.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
224				-				-				-		-	
225	2,535.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226				-				-				-		-	
227				-				-				-		-	
228				-				-				-		-	
229				-				-				-		-	
230				-				-				-		-	
231				-				-				-		-	
232				-				-				-		-	
233				-				-				-		-	
234				-				-				-		-	
235				-				-				-		-	
236				-				-				-		-	
237				-				-				-		-	
238				-				-				-		-	
239	5,709.715	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240				-				-				-		-	
241	21,915.230	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
242				-				-				-			
243	379.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-
244				-				-				-			
245	7,411.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
246	85.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
247	1,281.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
248	8,203.401	-	-	-	-	-	-	-	-	-	-	-	-	-	-
249	3,907.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250				-				-				-			
251				-				-				-			
252				-				-				-			
253				-				-				-			
254				-				-				-			
255				-				-				-			
256															
257															

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
1															
2												3	4	5	6
3	Savings: Cord Wood		Other Resource Savings: Wood Pellet				SUB-TOTAL		Other Resource Savings: Water			Electric Benefits: Energy			
4	Net Annual Cord Wood Savings (MMBTU)	Net Lifetime Cord Wood Savings (MMBTU)	Adj Gross Annual Wood Pellet Savings (MMBTU)	Adj Gross Lifetime Wood Pellet Savings (MMBTU)	Net Annual Wood Pellet Savings (MMBTU)	Net Lifetime Wood Pellet Savings (MMBTU)	Total Net Annual MMBTU	Total Net Lifetime MMBTU	Net Annual Res Water Savings Gallons	Net Annual C&I Water Savings Gallons	Net Lifetime Water Savings Gallons	Winter Peak Energy Benefits (\$)	Winter Off-Peak Energy Benefits (\$)	Summer Peak Energy Benefits (\$)	Summer Off-Peak Energy Benefits (\$)
5	-	-	-	-	-	-	233.706	3,505.593	-	-	-	\$679.24	\$728.72	\$507.64	\$406.99
6	-	-	-	-	-	-	35.599	249.194	4,266	-	29,863				
7	-	-	-	-	-	-	-	-	-	-	-				
8	-	-	-	-	-	-	593.693	14,842.328	-	-	-	\$2,120.81	\$2,200.50	\$1,787.09	\$1,404.90
9	-	-	-	-	-	-	-	-	-	-	-	\$57.36	\$46.63	\$26.66	\$17.77
10	-	-	-	-	-	-	-	-	-	-	-				
11	-	-	-	-	-	-	-	-	-	-	-				
12	-	-	-	-	-	-	-	-	-	-	-				
13	-	-	-	-	-	-	-	-	-	-	-				
14	-	-	-	-	-	-	-	-	-	-	-				
15	-	-	-	-	-	-	-	-	-	-	-				
16	-	-	-	-	-	-	-	-	-	-	-				
17	-	-	-	-	-	-	-	-	-	-	-				
18	-	-	-	-	-	-	-	-	-	-	-				
19	-	-	-	-	-	-	-	-	-	-	-				
20	-	-	-	-	-	-	-	-	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
21	-	-	-	-	-	-	-	-	-	-	-				
22	-	-	-	-	-	-	-	-	-	-	-				
23	-	-	-	-	-	-	-	-	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
24	-	-	-	-	-	-	-	-	-	-	-				
25	-	-	-	-	-	-	202.675	3,850.829	-	-	-	\$1,117.19	\$1,240.98	\$0.00	\$0.00
26	-	-	-	-	-	-	34.161	580.744	-	-	-	\$131.06	\$149.05	\$0.00	\$0.00
27	-	-	-	-	-	-	-	-	-	-	-	\$4.51	\$5.21	\$0.00	\$0.00
28	-	-	-	-	-	-	21.225	530.621	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
29	-	-	-	-	-	-	1.010	25.253	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
30	-	-	-	-	-	-	23.833	309.828	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
31	-	-	-	-	-	-	38.220	573.300	-	-	-	\$21.29	\$11.41	\$124.79	\$95.73
32	-	-	-	-	-	-	-	-	-	-	-				
33	-	-	-	-	-	-	-	-	-	-	-				
34	-	-	-	-	-	-	-	-	-	-	-				
35	-	-	-	-	-	-	612.900	15,322.500	-	-	-				
36	-	-	-	-	-	-	71.510	1,072.650	-	-	-				
37	-	-	-	-	-	-	-	-	-	-	-				
38	-	-	-	-	-	-	468.222	11,705.550	-	-	-				
39	-	-	-	-	-	-	123.372	1,850.580	-	-	-				
40	-	-	-	-	-	-	-	-	-	-	-				
41	-	-	-	-	-	-	-	-	-	-	-				
42	-	-	-	-	-	-	-	-	-	-	-				
43	-	-	-	-	-	-	-	-	-	-	-				
44	-	-	-	-	-	-	-	-	-	-	-				
45	-	-	-	-	-	-	-	-	-	-	-				
46	-	-	-	-	-	-	-	-	-	-	-				
47	-	-	0.557	8.361	0.557	8.361	579.138	8,687.072	-	-	-	\$2,748.04	\$3,085.12	\$0.00	\$0.00
48	-	-	-	-	-	-	1.081	7.568	4,061	-	28,427				
49	-	-	-	-	-	-	5.640	39.480	10,371	-	72,599				
50	-	-	30.541	763.513	30.541	763.513	2,296.651	57,416.263	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
51	-	-	-	-	-	-	-	-	-	-	-	\$500.50	\$406.87	\$232.60	\$155.07
52	-	-	-	-	-	-	-	-	-	-	-				
53	-	-	-	-	-	-	-	-	-	-	-				
54	-	-	-	-	-	-	-	-	-	-	-				
55	-	-	-	-	-	-	-	-	-	-	-				
56	-	-	-	-	-	-	-	-	-	-	-				
57	-	-	-	-	-	-	16.905	253.579	-	-	-				
58	-	-	-	-	-	-	-	-	-	-	-				

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
59							-	-							
60							-	-							
61							-	-							
62							-	-							
63							-	-							
64	-	-	-	-	-	-	-	-	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
65							-	-							
66							-	-							
67							-	-							
68							-	-							
69							-	-							
70	-	-	-	-	-	-	423.400	6,351.000	-	-	-	\$242.48	\$129.96	\$1,421.23	\$1,090.33
71	-	-	-	-	-	-	1.019	2.039	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
72							-	-							
73							-	-							
74							-	-							
75							-	-							
76							-	-							
77							-	-							
78	-	-	-	-	-	-	84.700	1,609.300	-	-	-				
79	-	-	-	-	-	-	917.600	17,434.400	-	-	-				
80	-	-	-	-	-	-	539.000	9,163.000	-	-	-	\$3,159.96	\$3,593.68	\$0.00	\$0.00
81	-	-	-	-	-	-	164.800	2,801.600	-	-	-	\$919.26	\$1,045.43	\$0.00	\$0.00
82	-	-	-	-	-	-	7.700	154.000	-	-	-	-\$49.13	-\$51.98	-\$38.70	-\$30.81
83	-	-	-	-	-	-	87.500	1,312.500	-	-	-	\$48.74	\$26.12	\$285.69	\$219.17
84	-	-	-	-	-	-	36.000	720.000	-	-	-				
85							-	-							
86	-	-	-	-	-	-	998.400	18,969.600	-	-	-				
87							-	-							
88	-	-	-	-	-	-	21.000	273.000	-	-	-				
89							-	-							
90	-	-	-	-	-	-	102.200	1,941.800	-	-	-	-\$340.35	-\$258.49	-\$94.08	-\$69.92
91	-	-	-	-	-	-	707.600	10,614.000	-	-	-				
92	-	-	-	-	-	-	191.400	2,871.000	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
93							-	-							
94							-	-							
95							-	-							
96							-	-							
97	-	-	-	-	-	-	5,967.840	5,967.840	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
98							-	-							
99							-	-							
100	-	-	-	-	-	-	2,547.621	38,214.315	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
101							-	-							
102	-	-	-	-	-	-	8,863.038	132,945.570	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
103							-	-							
104							-	-							
105							-	-							
106							-	-							
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119							-	-							

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
120							-	-							
121							-	-							
122							-	-							
123							-	-							
124							-	-							
125							-	-							
126	-	-	-	-	-	-	1,414,272	21,214,080	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
127							-	-							
128							-	-							
129							-	-							
130							-	-							
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168							-	-							
169							-	-							
170							-	-							
171							-	-							
172							-	-							
173	-	-	-	-	-	-	94,830	663,810	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
174	-	-	-	-	-	-	-	-	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
175	-	-	-	-	-	-	35,583	355,830	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
176							-	-							
177							-	-							
178	-	-	-	-	-	-	567,800	3,974,600	-	1,823,640	12,765,480				
179							-	-							
180	-	-	-	-	-	-	461,100	3,227,700	-	1,270,200	8,891,400				

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
181							-	-							
182	-	-	-	-	-	-	34.200	273.600	-	19,230	153,840				
183							-	-							
184							-	-							
185							-	-							
186							-	-							
187							-	-							
188	-	-	-	-	-	-	133.400	2,001.000	-	-	-				
189							-	-							
190							-	-							
191							-	-							
192	-	-	-	-	-	-	53.719	1,342.985	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
193							-	-							
194							-	-							
195							-	-							
196							-	-							
197							-	-							
198	-	-	-	-	-	-	64.902	973.530	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
199	-	-	-	-	-	-	-	-	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
200	-	-	-	-	-	-	-	-	-	-	-				
201	-	-	-	-	-	-	492.420	12,310.500	-	-	-				
202							-	-							
203							-	-							
204							-	-							
205	-	-	-	-	-	-	189.000	4,725.000	-	-	-				
206	-	-	-	-	-	-	51.400	1,285.000	-	-	-				
207							-	-							
208							-	-							
209	-	-	-	-	-	-	88.500	2,212.500	-	-	-				
210							-	-							
211							-	-							
212							-	-							
213	-	-	-	-	-	-	79.800	1,436.400	-	-	-	\$1,372.10	\$1,555.98	\$0.00	\$0.00
214							-	-							
215							-	-							
216							-	-							
217							-	-							
218							-	-							
219							-	-							
220							-	-							
221	-	-	-	-	-	-	142.800	1,713.600	-	-	-				
222							-	-							
223	-	-	-	-	-	-	391.500	4,698.000	-	-	-				
224							-	-							
225	-	-	-	-	-	-	211.300	2,535.600	-	-	-				
226							-	-							
227							-	-							
228							-	-							
229							-	-							
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235							-	-							
236							-	-							
237							-	-							
238							-	-							
239	-	-	-	-	-	-	475.810	5,709.715	-	-	-				
240							-	-							
241	-	-	-	-	-	-	1,826.269	21,915.230	-	-	-				

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
242							-	-							
243	-	-	-	-	-	-	47,481	379,848	-	26,698	213,581				
244							-	-							
245	-	-	-	-	-	-	617,586	7,411,034	-	-	-				
246	-	-	-	-	-	-	5,700	85,500	-	-	-				
247	-	-	-	-	-	-	64,080	1,281,600	-	-	-				
248	-	-	-	-	-	-	546,893	8,203,401	-	-	-				
249	-	-	-	-	-	-	260,499	3,907,485	-	-	-	\$0.00	\$0.00	\$0.00	\$0.00
250							-	-							
251							-	-							
252							-	-							
253							-	-							
254							-	-							
255							-	-							
256							-	-							
257							35,371	486,005							

	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
1															
2		7	8	9	10	11			12	13	14	15	16	17	18
3	Electric Benefits: Energy DRIPE							Sub-Total	Electric Benefits: Capacity						
4	Total Avoided Energy Benefits (\$)	Winter Peak Energy DRIPE Benefits (\$)	Winter Off-Peak Energy DRIPE Benefits (\$)	Summer Peak Energy DRIPE Benefits (\$)	Summer Off-Peak Energy DRIPE Benefits (\$)	Energy Electric Cross DRIPE Benefits (\$)	Total Energy DRIPE Benefits (\$)	Total Electric Energy Benefits (\$)	Summer Generation Benefits (\$)	Winter Generation (\$)	Electric Capacity DRIPE (\$)	Reliability (\$)	PTF Benefits (\$)	Transmission Benefits (\$)	Distribution Benefits (\$)
5	\$2,322.58	\$33.79	\$28.95	\$23.06	\$14.52	\$39.63	\$ 139.96	\$ 2,462.54	\$498.03	\$0.00	\$1.74	\$0.00	\$539.15	\$0.00	\$467.07
6	\$0.00					\$0.00	\$ -	\$ -							
7															
8	\$7,513.29	\$63.21	\$54.16	\$43.14	\$27.15	\$78.25	\$ 265.90	\$ 7,779.19	\$4,250.06	\$0.00	\$0.00	\$0.00	\$3,778.96	\$0.00	\$3,273.74
9	\$148.42	\$4.70	\$3.03	\$1.72	\$0.95	\$4.93	\$ 15.33	\$ 163.75	\$0.00	\$0.00	\$0.00	\$0.00	\$60.13	\$0.00	\$52.09
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21															
22															
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24															
25	\$2,358.17	\$44.07	\$39.51	\$0.00	\$0.00	\$29.85	\$ 113.43	\$ 2,471.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26	\$280.11	\$5.77	\$5.27	\$0.00	\$0.00	\$3.90	\$ 14.94	\$ 295.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27	\$9.71	\$0.37	\$0.34	\$0.00	\$0.00	\$0.31	\$ 1.01	\$ 10.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
31	\$253.22	\$1.06	\$0.45	\$5.67	\$3.41	\$4.79	\$ 15.38	\$ 268.60	\$201.54	\$0.00	\$0.70	\$0.00	\$218.18	\$0.00	\$189.01
32															
33															
34															
35	\$0.00					\$0.00	\$ -	\$ -							
36	\$0.00					\$0.00	\$ -	\$ -							
37															
38	\$0.00					\$0.00	\$ -	\$ -							
39	\$0.00					\$0.00	\$ -	\$ -							
40															
41															
42															
43															
44															
45															
46															
47	\$5,833.16	\$136.72	\$122.58	\$0.00	\$0.00	\$90.51	\$ 349.80	\$ 6,182.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
48	\$0.00					\$0.00	\$ -	\$ -							
49	\$0.00						\$ -	\$ -							
50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
51	\$1,295.04	\$40.97	\$26.44	\$15.03	\$8.33	\$43.01	\$ 133.79	\$ 1,428.83	\$0.00	\$0.00	\$0.00	\$0.00	\$252.02	\$0.00	\$218.33
52															
53															
54															
55															
56															
57	\$0.00					\$0.00	\$ -	\$ -							
58															

	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
59															
60															
61															
62															
63															
64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
65															
66															
67															
68															
69															
70	\$2,884.01	\$12.06	\$5.16	\$64.57	\$38.89	\$54.51	\$ 175.19	\$ 3,059.20	\$2,295.37	\$0.00	\$8.03	\$0.00	\$2,484.88	\$0.00	\$2,152.67
71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
72															
73															
74															
75															
76															
77															
78	\$0.00					\$0.00	\$ -	\$ -							
79	\$0.00					\$0.00	\$ -	\$ -							
80	\$6,753.63	\$139.17	\$126.98	\$0.00	\$0.00	\$94.12	\$ 360.28	\$ 7,113.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
81	\$1,964.69	\$40.49	\$36.94	\$0.00	\$0.00	\$27.38	\$ 104.81	\$ 2,069.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
82	-\$170.61	-\$1.84	-\$1.58	-\$1.26	-\$0.79	-\$2.22	\$ (7.69)	\$ (178.30)	-\$60.26	\$0.00	\$0.00	\$0.00	-\$58.13	\$0.00	-\$50.36
83	\$579.72	\$2.42	\$1.04	\$12.98	\$7.82	\$10.96	\$ 35.22	\$ 614.94	\$461.40	\$0.00	\$1.61	\$0.00	\$499.49	\$0.00	\$432.71
84	\$0.00					\$0.00	\$ -	\$ -							
85															
86	\$0.00					\$0.00	\$ -	\$ -							
87															
88	\$0.00					\$0.00	\$ -	\$ -							
89															
90	-\$762.84	-\$13.43	-\$8.23	-\$3.25	-\$1.91	-\$10.00	\$ (36.82)	\$ (799.66)	-\$50.40	\$0.00	\$0.00	\$0.00	-\$49.57	\$0.00	-\$42.94
91	\$0.00					\$0.00	\$ -	\$ -							
92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
93															
94															
95															
96															
97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
98															
99															
100	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
101															
102	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
103															
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	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
120															
121															
122															
123															
124															
125															
126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
127															
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169															
170															
171															
172															
173	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
174	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -							
175	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-\$20.12	\$ (20.12)	\$ (20.12)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
176															
177															
178	\$0.00					\$0.00	\$ -	\$ -							
179															
180	\$0.00					\$0.00	\$ -	\$ -							

	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
181															
182	\$0.00					\$0.00	\$ -	\$ -							
183															
184															
185															
186															
187															
188	\$0.00					\$0.00	\$ -	\$ -							
189															
190															
191															
192	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
193															
194															
195															
196															
197															
198	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
199	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
200	\$0.00					\$0.00	\$ -	\$ -							
201	\$0.00					\$0.00	\$ -	\$ -							
202															
203															
204															
205	\$0.00					\$0.00	\$ -	\$ -							
206	\$0.00					\$0.00	\$ -	\$ -							
207															
208															
209	\$0.00					\$0.00	\$ -	\$ -							
210															
211															
212															
213	\$2,928.08	\$57.12	\$52.11	\$0.00	\$0.00	\$38.85	\$ 148.08	\$ 3,076.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
214															
215															
216															
217															
218															
219															
220															
221	\$0.00					\$0.00	\$ -	\$ -							
222															
223	\$0.00					\$0.00	\$ -	\$ -							
224															
225	\$0.00					\$0.00	\$ -	\$ -							
226															
227															
228															
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233															
234															
235															
236															
237															
238															
239	\$0.00					\$0.00	\$ -	\$ -							
240															
241	\$0.00					\$0.00	\$ -	\$ -							

	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
242															
243	\$0.00					\$0.00	\$ -	\$ -							
244															
245	\$0.00					\$0.00	\$ -	\$ -							
246	\$0.00					\$0.00	\$ -	\$ -							
247	\$0.00					\$0.00	\$ -	\$ -							
248	\$0.00					\$0.00	\$ -	\$ -							
249	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
250															
251															
252															
253															
254															
255															
256	\$0.00						\$ -	\$ -							
257															

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	
1																
2			19	20	21	22	23	24	25		26	27	28	29	30	
3		Total	Non-Electric Resource Benefits: Natural Gas									Non-Electric Resource Benefits: Na				
4	Total Electric Capacity Benefits (\$)	Total Electric Benefits (\$)	NG - Res Non Heating	NG - Res Hot Water	NG - Res Heating	NG - Res All	NG - C&I Gas Non Heating	NG - C&I Gas Heat	NG - C&I Gas All	Total Avoided Gas Benefits (\$)	Gas Supply DRIPE	Res Non-Heating GECD	Res Hot Water GECD	Res Heating GECD	Res All GECD	
5	\$1,505.99	\$3,968.54	\$0.00	\$0.00	\$30,721.61	\$0.00	\$0.00	\$0.00	\$0.00	\$ 30,721.61	\$26.12	\$0.00	\$0.00	\$1,153.76	\$0.00	
6	\$0.00	\$0.00	\$0.00	\$1,957.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,957.85	\$1.40	\$0.00	\$85.74	\$0.00	\$0.00	
7																
8	\$11,302.76	\$19,081.95	\$0.00	\$0.00	\$123,678.38	\$0.00	\$0.00	\$0.00	\$0.00	\$ 123,678.38	\$113.72	\$0.00	\$0.00	\$2,930.94	\$0.00	
9	\$112.22	\$275.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21																
22																
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24																
25	\$0.00	\$2,471.60	\$0.00	\$0.00	\$33,064.07	\$0.00	\$0.00	\$0.00	\$0.00	\$ 33,064.07	\$29.39	\$0.00	\$0.00	\$1,000.57	\$0.00	
26	\$0.00	\$295.05	\$0.00	\$0.00	\$5,037.33	\$0.00	\$0.00	\$0.00	\$0.00	\$ 5,037.33	\$4.39	\$0.00	\$0.00	\$168.65	\$0.00	
27	\$0.00	\$10.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
28	\$0.00	\$0.00	\$0.00	\$0.00	\$4,421.57	\$0.00	\$0.00	\$0.00	\$0.00	\$ 4,421.57	\$4.07	\$0.00	\$0.00	\$104.78	\$0.00	
29	\$0.00	\$0.00	\$0.00	\$0.00	\$210.42	\$0.00	\$0.00	\$0.00	\$0.00	\$ 210.42	\$0.19	\$0.00	\$0.00	\$4.99	\$0.00	
30	\$0.00	\$0.00	\$0.00	\$2,394.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 2,394.80	\$2.25	\$0.00	\$64.11	\$0.00	\$0.00	
31	\$609.43	\$878.04	\$0.00	\$0.00	\$5,024.17	\$0.00	\$0.00	\$0.00	\$0.00	\$ 5,024.17	\$4.27	\$0.00	\$0.00	\$188.68	\$0.00	
32																
33																
34																
35	\$0.00	\$0.00	\$0.00	\$0.00	\$127,679.57	\$0.00	\$0.00	\$0.00	\$0.00	\$ 127,679.57	\$117.40	\$0.00	\$0.00	\$3,025.76	\$0.00	
36	\$0.00	\$0.00	\$0.00	\$8,210.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 8,210.31	\$7.99	\$0.00	\$192.37	\$0.00	\$0.00	
37																
38	\$0.00	\$0.00	\$0.00	\$0.00	\$97,540.19	\$0.00	\$0.00	\$0.00	\$0.00	\$ 97,540.19	\$89.69	\$0.00	\$0.00	\$2,311.51	\$0.00	
39	\$0.00	\$0.00	\$0.00	\$14,164.77	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 14,164.77	\$13.79	\$0.00	\$331.89	\$0.00	\$0.00	
40																
41																
42																
43																
44																
45																
46																
47	\$0.00	\$6,182.96	\$0.00	\$0.00	\$76,056.75	\$0.00	\$0.00	\$0.00	\$0.00	\$ 76,056.75	\$64.66	\$0.00	\$0.00	\$2,856.33	\$0.00	
48	\$0.00	\$0.00	\$0.00	\$59.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 59.46	\$0.04	\$0.00	\$2.60	\$0.00	\$0.00	
49	\$0.00	\$0.00	\$0.00	\$310.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 310.19	\$0.22	\$0.00	\$13.58	\$0.00	\$0.00	
50	\$0.00	\$0.00	\$0.00	\$0.00	\$472,076.93	\$0.00	\$0.00	\$0.00	\$0.00	\$ 472,076.93	\$434.06	\$0.00	\$0.00	\$11,187.31	\$0.00	
51	\$470.36	\$1,899.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
52																
53																
54																
55																
56																
57	\$0.00	\$0.00	\$0.00	\$1,940.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,940.95	\$1.89	\$0.00	\$45.48	\$0.00	\$0.00	
58																

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
59															
60															
61															
62															
63															
64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
65															
66															
67															
68															
69															
70	\$6,940.95	\$10,000.15	\$0.00	\$0.00	\$55,657.62	\$0.00	\$0.00	\$0.00	\$0.00	\$ 55,657.62	\$47.32	\$0.00	\$0.00	\$2,090.24	\$0.00
71	\$0.00	\$0.00	\$0.00	\$16.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 16.45	\$0.00	\$0.00	\$0.68	\$0.00	\$0.00
72															
73															
74															
75															
76															
77															
78	\$0.00	\$0.00	\$0.00	\$0.00	\$13,817.81	\$0.00	\$0.00	\$0.00	\$0.00	\$ 13,817.81	\$12.28	\$0.00	\$0.00	\$418.15	\$0.00
79	\$0.00	\$0.00	\$0.00	\$0.00	\$149,695.63	\$0.00	\$0.00	\$0.00	\$0.00	\$ 149,695.63	\$133.07	\$0.00	\$0.00	\$4,530.00	\$0.00
80	\$0.00	\$7,113.92	\$0.00	\$0.00	\$79,479.13	\$0.00	\$0.00	\$0.00	\$0.00	\$ 79,479.13	\$69.33	\$0.00	\$0.00	\$2,660.93	\$0.00
81	\$0.00	\$2,069.50	\$0.00	\$0.00	\$24,300.85	\$0.00	\$0.00	\$0.00	\$0.00	\$ 24,300.85	\$21.20	\$0.00	\$0.00	\$813.58	\$0.00
82	-\$168.75	-\$347.05	\$0.00	\$0.00	\$1,315.63	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,315.63	\$1.18	\$0.00	\$0.00	\$38.01	\$0.00
83	\$1,395.22	\$2,010.16	\$0.00	\$0.00	\$11,502.22	\$0.00	\$0.00	\$0.00	\$0.00	\$ 11,502.22	\$9.78	\$0.00	\$0.00	\$431.97	\$0.00
84	\$0.00	\$0.00	\$0.00	\$5,380.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 5,380.10	\$5.51	\$0.00	\$96.84	\$0.00	\$0.00
85															
86	\$0.00	\$0.00	\$0.00	\$142,422.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 142,422.93	\$144.79	\$0.00	\$2,685.83	\$0.00	\$0.00
87															
88	\$0.00	\$0.00	\$0.00	\$2,110.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 2,110.14	\$1.98	\$0.00	\$56.49	\$0.00	\$0.00
89															
90	-\$142.92	-\$942.58	\$0.00	\$14,578.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 14,578.95	\$14.82	\$0.00	\$274.93	\$0.00	\$0.00
91	\$0.00	\$0.00	\$0.00	\$0.00	\$93,016.84	\$0.00	\$0.00	\$0.00	\$0.00	\$ 93,016.84	\$79.08	\$0.00	\$0.00	\$3,493.27	\$0.00
92	\$0.00	\$0.00	\$0.00	\$0.00	\$25,160.29	\$0.00	\$0.00	\$0.00	\$0.00	\$ 25,160.29	\$21.39	\$0.00	\$0.00	\$944.90	\$0.00
93															
94															
95															
96															
97	\$0.00	\$0.00	\$0.00	\$0.00	\$56,038.07	\$0.00	\$0.00	\$0.00	\$0.00	\$ 56,038.07	\$0.00	\$0.00	\$0.00	\$2,939.46	\$0.00
98															
99															
100	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300,550.85	\$0.00	\$ 300,550.85	\$284.71	\$0.00	\$0.00	\$0.00	\$0.00
101															
102	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$892,559.15	\$0.00	\$0.00	\$ 892,559.15	\$990.50	\$0.00	\$0.00	\$0.00	\$0.00
103															
104															
105															
106															
107															
108															
109															
110															
111															
112															
113															
114															
115															
116															
117															
118															
119															

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
120															
121															
122															
123															
124															
125															
126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$142,425.36	\$0.00	\$0.00	\$ 142,425.36	\$158.05	\$0.00	\$0.00	\$0.00	\$0.00
127															
128															
129															
130															
131															
132															
133															
134															
135															
136															
137															
138															
139															
140															
141															
142															
143															
144															
145															
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149															
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151															
152															
153															
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160															
161															
162															
163															
164															
165															
166															
167															
168															
169															
170															
171															
172															
173	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,551.04	\$0.00	\$0.00	\$ 4,551.04	\$3.73	\$0.00	\$0.00	\$0.00	\$0.00
174	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
175	\$0.00	-\$20.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,849.69	\$0.00	\$ 2,849.69	\$2.40	\$0.00	\$0.00	\$0.00	\$0.00
176															
177															
178	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27,249.64	\$0.00	\$0.00	\$ 27,249.64	\$22.35	\$0.00	\$0.00	\$0.00	\$0.00
179															
180	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22,128.93	\$0.00	\$0.00	\$ 22,128.93	\$18.15	\$0.00	\$0.00	\$0.00	\$0.00

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
181															
182	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.20	\$0.00	\$0.00	\$ 1,871.20	\$1.67	\$0.00	\$0.00	\$0.00	\$0.00
183															
184															
185															
186															
187															
188	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,737.62	\$0.00	\$ 15,737.62	\$14.91	\$0.00	\$0.00	\$0.00	\$0.00
189															
190															
191															
192	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,067.41	\$0.00	\$ 10,067.41	\$10.29	\$0.00	\$0.00	\$0.00	\$0.00
193															
194															
195															
196															
197															
198	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,536.01	\$0.00	\$0.00	\$ 6,536.01	\$7.25	\$0.00	\$0.00	\$0.00	\$0.00
199	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
200	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
201	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$92,283.13	\$0.00	\$ 92,283.13	\$94.32	\$0.00	\$0.00	\$0.00	\$0.00
202															
203															
204															
205	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35,419.99	\$0.00	\$ 35,419.99	\$36.20	\$0.00	\$0.00	\$0.00	\$0.00
206	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,632.74	\$0.00	\$ 9,632.74	\$9.85	\$0.00	\$0.00	\$0.00	\$0.00
207															
208															
209	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16,585.55	\$0.00	\$ 16,585.55	\$16.95	\$0.00	\$0.00	\$0.00	\$0.00
210															
211															
212															
213	\$0.00	\$3,076.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,132.68	\$0.00	\$ 11,132.68	\$10.92	\$0.00	\$0.00	\$0.00	\$0.00
214															
215															
216															
217															
218															
219															
220															
221	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,643.79	\$0.00	\$0.00	\$ 11,643.79	\$12.22	\$0.00	\$0.00	\$0.00	\$0.00
222															
223	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31,922.57	\$0.00	\$0.00	\$ 31,922.57	\$33.49	\$0.00	\$0.00	\$0.00	\$0.00
224															
225	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17,229.22	\$0.00	\$0.00	\$ 17,229.22	\$18.08	\$0.00	\$0.00	\$0.00	\$0.00
226															
227															
228															
229															
230															
231															
232															
233															
234															
235															
236															
237															
238															
239	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38,797.10	\$0.00	\$0.00	\$ 38,797.10	\$40.71	\$0.00	\$0.00	\$0.00	\$0.00
240															
241	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$148,912.41	\$0.00	\$0.00	\$ 148,912.41	\$156.25	\$0.00	\$0.00	\$0.00	\$0.00

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
242															
243	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,597.85	\$0.00	\$0.00	\$ 2,597.85	\$2.32	\$0.00	\$0.00	\$0.00	\$0.00
244															
245	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,357.44	\$0.00	\$0.00	\$ 50,357.44	\$52.84	\$0.00	\$0.00	\$0.00	\$0.00
246	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$574.02	\$0.00	\$0.00	\$ 574.02	\$0.64	\$0.00	\$0.00	\$0.00	\$0.00
247	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,417.30	\$0.00	\$0.00	\$ 8,417.30	\$9.81	\$0.00	\$0.00	\$0.00	\$0.00
248	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55,075.33	\$0.00	\$0.00	\$ 55,075.33	\$61.12	\$0.00	\$0.00	\$0.00	\$0.00
249	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26,233.75	\$0.00	\$0.00	\$ 26,233.75	\$29.11	\$0.00	\$0.00	\$0.00	\$0.00
250															
251															
252															
253															
254															
255															
256	\$0.00	\$0.00								\$ -					
257															

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ
1															
2	31	32	33			34	35	36	37	38	39	40	41	42	43
3	Natural Gas DRIPE				Sub Total		Non-Electric Resource Benefits: Other								
4	C&I Non-Heating GECD	C&I Heating GECD	C&I All GECD	Total Gas DRIPE	Total Gas Resource Benefits	Fuel Oil - Residential Distillate	Fuel Oil - Com Fuel	Fuel Oil - Industrial	Oil DRIPE	Kerosene	Propane	Cord Wood	Pellet Wood	Res Water	C&I Water
5	\$0.00	\$0.00	\$0.00	1,179.88	31,901.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	87.14	2,045.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$245.97	\$0.00
7															
8	\$0.00	\$0.00	\$0.00	3,044.66	126,723.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21															
22															
23	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24															
25	\$0.00	\$0.00	\$0.00	1,029.96	34,094.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26	\$0.00	\$0.00	\$0.00	173.04	5,210.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
28	\$0.00	\$0.00	\$0.00	108.85	4,530.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29	\$0.00	\$0.00	\$0.00	5.18	215.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
30	\$0.00	\$0.00	\$0.00	66.36	2,461.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
31	\$0.00	\$0.00	\$0.00	192.96	5,217.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32															
33															
34															
35	\$0.00	\$0.00	\$0.00	3,143.16	130,822.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
36	\$0.00	\$0.00	\$0.00	200.36	8,410.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
37															
38	\$0.00	\$0.00	\$0.00	2,401.20	99,941.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39	\$0.00	\$0.00	\$0.00	345.68	14,510.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
40															
41															
42															
43															
44															
45															
46															
47	\$0.00	\$0.00	\$0.00	2,920.99	78,977.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$186.32	\$0.00	\$0.00
48	\$0.00	\$0.00	\$0.00	2.65	62.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$234.15	\$0.00
49	\$0.00	\$0.00	\$0.00	13.81	323.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$597.98	\$0.00
50	\$0.00	\$0.00	\$0.00	11,621.37	483,698.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16,747.57	\$0.00	\$0.00
51	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
52															
53															
54															
55															
56															
57	\$0.00	\$0.00	\$0.00	47.37	1,988.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
58															

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ
59															
60															
61															
62															
63															
64	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
65															
66															
67															
68															
69															
70	\$0.00	\$0.00	\$0.00	2,137.56	57,795.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
71	\$0.00	\$0.00	\$0.00	0.68	17.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
72															
73															
74															
75															
76															
77															
78	\$0.00	\$0.00	\$0.00	430.43	14,248.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
79	\$0.00	\$0.00	\$0.00	4,663.07	154,358.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
80	\$0.00	\$0.00	\$0.00	2,730.26	82,209.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
81	\$0.00	\$0.00	\$0.00	834.78	25,135.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
82	\$0.00	\$0.00	\$0.00	39.19	1,354.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
83	\$0.00	\$0.00	\$0.00	441.75	11,943.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
84	\$0.00	\$0.00	\$0.00	102.35	5,482.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
85															
86	\$0.00	\$0.00	\$0.00	2,830.62	145,253.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
87															
88	\$0.00	\$0.00	\$0.00	58.48	2,168.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
89															
90	\$0.00	\$0.00	\$0.00	289.75	14,868.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
91	\$0.00	\$0.00	\$0.00	3,572.35	96,589.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
92	\$0.00	\$0.00	\$0.00	966.29	26,126.59	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
93															
94															
95															
96															
97	\$0.00	\$0.00	\$0.00	2,939.46	58,977.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
98															
99															
100	\$0.00	\$12,577.08	\$0.00	12,861.79	313,412.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
101															
102	\$23,842.79	\$0.00	\$0.00	24,833.29	917,392.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
103															
104															
105															
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119															

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ
120															
121															
122															
123															
124															
125															
126	\$3,804.59	\$0.00	\$0.00	3,962.64	146,388.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
127															
128															
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166															
167															
168															
169															
170															
171															
172															
173	\$228.40	\$0.00	\$0.00	232.14	4,783.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
174	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
175	\$0.00	\$175.67	\$0.00	178.07	3,027.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
176															
177															
178	\$1,367.58	\$0.00	\$0.00	1,389.93	28,639.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$105,146.26
179															
180	\$1,110.58	\$0.00	\$0.00	1,128.73	23,257.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,236.37

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ
181															
182	\$86.92	\$0.00	\$0.00	88.59	1,959.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,258.44
183															
184															
185															
186															
187															
188	\$0.00	\$658.57	\$0.00	673.48	16,411.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
189															
190															
191															
192	\$0.00	\$265.20	\$0.00	275.49	10,342.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
193															
194															
195															
196															
197															
198	\$174.60	\$0.00	\$0.00	181.85	6,717.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
199	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
200	\$0.00	\$0.00	\$0.00	-	-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
201	\$0.00	\$2,430.98	\$0.00	2,525.30	94,808.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
202															
203															
204															
205	\$0.00	\$933.05	\$0.00	969.26	36,389.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
206	\$0.00	\$253.75	\$0.00	263.60	9,896.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
207															
208															
209	\$0.00	\$436.91	\$0.00	453.86	17,039.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
210															
211															
212															
213	\$0.00	\$393.96	\$0.00	404.88	11,537.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
214															
215															
216															
217															
218															
219															
220															
221	\$384.15	\$0.00	\$0.00	396.37	12,040.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
222															
223	\$1,053.19	\$0.00	\$0.00	1,086.68	33,009.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
224															
225	\$568.43	\$0.00	\$0.00	586.50	17,815.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
226															
227															
228															
229															
230															
231															
232															
233															
234															
235															
236															
237															
238															
239	\$1,279.99	\$0.00	\$0.00	1,320.70	40,117.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
240															
241	\$4,912.92	\$0.00	\$0.00	5,069.16	153,981.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ
242															
243	\$120.68	\$0.00	\$0.00	123.00	2,720.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,747.14
244															
245	\$1,661.39	\$0.00	\$0.00	1,714.23	52,071.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
246	\$15.33	\$0.00	\$0.00	15.97	589.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
247	\$172.38	\$0.00	\$0.00	182.19	8,599.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
248	\$1,471.22	\$0.00	\$0.00	1,532.34	56,607.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
249	\$700.78	\$0.00	\$0.00	729.89	26,963.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
250															
251															
252															
253															
254															
255															
256				-	-										
257															

	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM
1													
2		44	44	45		46	47	48	49				
3	Total	Non-Energy Impacts				Environmental Externalities (Non-Embedded Costs)					TOTAL	TOTAL	TOTAL
4	Total Non-Electric Resource Benefits	NEI Adder	Fossil Emissions (oil, gas, propane, kerosene)	Fossil Emissions Based on RGGI	Total Non-Resource Benefits	Winter Peak Environmental Benefits (\$)	Winter Off-Peak Environmental Benefits (\$)	Summer Peak Environmental Benefits (\$)	Summer Off-Peak Environmental Benefits (\$)	Total Avoided Environmental Benefits (\$)	Total Benefits (Legacy NH TRC)	Total Benefits (Granite State Test)	Total Benefits (Utility Cost Test)
5	\$ 31,901			\$3,865.91	\$3,865.91	\$392.30	\$467.75	\$349.68	\$328.22	\$1,537.94	\$ 39,735.94	\$ 39,735.94	\$ 31,901.49
6	\$ 2,291			\$218.79	\$218.79					\$0.00	\$ 2,509.76	\$ 2,509.76	\$ 2,045.00
7					\$0.00								
8	\$ 126,723			\$21,542.10	\$21,542.10	\$1,093.96	\$1,304.36	\$975.11	\$915.29	\$4,288.72	\$ 167,347.10	\$ 167,347.10	\$ 126,723.04
9	\$ -			\$0.00	\$0.00	\$36.01	\$32.18	\$19.02	\$15.20	\$102.41	\$ 275.97	\$ 275.97	\$ -
10					\$0.00								
11					\$0.00								
12					\$0.00								
13					\$0.00								
14					\$0.00								
15					\$0.00								
16					\$0.00								
17					\$0.00								
18					\$0.00								
19					\$0.00								
20	\$ -			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -
21					\$0.00								
22					\$0.00								
23	\$ -	\$218,184.11		\$0.00	\$218,184.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 218,184.11	\$ 218,184.11	\$ -
24					\$0.00								
25	\$ 34,094					\$619.59	\$773.06	\$0.00	\$0.00	\$1,392.65	\$ 36,565.63	\$ 36,565.63	\$ 34,094.03
26	\$ 5,210					\$74.26	\$94.29	\$0.00	\$0.00	\$168.55	\$ 5,505.41	\$ 5,505.41	\$ 5,210.37
27	\$ -					\$2.83	\$3.59	\$0.00	\$0.00	\$6.42	\$ 10.73	\$ 10.73	\$ -
28	\$ 4,530					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 4,530.42	\$ 4,530.42	\$ 4,530.42
29	\$ 216					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 215.60	\$ 215.60	\$ 215.60
30	\$ 2,461					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 2,461.16	\$ 2,461.16	\$ 2,461.16
31	\$ 5,217					\$12.30	\$7.32	\$85.96	\$77.21	\$182.78	\$ 6,095.16	\$ 6,095.16	\$ 5,217.13
32					\$0.00								
33					\$0.00								
34					\$0.00								
35	\$ 130,823	\$19,623.41		\$22,239.02	\$41,862.43					\$0.00	\$ 172,685.16	\$ 153,061.75	\$ 130,822.73
36	\$ 8,411	\$1,261.60		\$1,182.90	\$2,444.50					\$0.00	\$ 10,855.18	\$ 9,593.58	\$ 8,410.67
37					\$0.00								
38	\$ 99,941	\$14,991.21		\$16,989.39	\$31,980.60					\$0.00	\$ 131,921.99	\$ 116,930.79	\$ 99,941.39
39	\$ 14,510	\$2,176.57		\$2,040.79	\$4,217.36					\$0.00	\$ 18,727.80	\$ 16,551.23	\$ 14,510.44
40					\$0.00								
41					\$0.00								
42					\$0.00								
43					\$0.00								
44					\$0.00								
45					\$0.00								
46					\$0.00								
47	\$ 79,164	\$12,802.05		\$9,570.75	\$22,372.80	\$1,587.14	\$1,980.27	\$0.00	\$0.00	\$3,567.41	\$ 107,719.83	\$ 94,917.78	\$ 78,977.74
48	\$ 296	\$9.32		\$6.64	\$15.96					\$0.00	\$ 312.21	\$ 302.89	\$ 62.10
49	\$ 922	\$48.60		\$34.66	\$83.26					\$0.00	\$ 1,005.23	\$ 956.63	\$ 323.99
50	\$ 500,446	\$75,066.88		\$82,225.60	\$157,292.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 657,738.36	\$ 582,671.48	\$ 483,698.30
51	\$ -	\$284.88		\$0.00	\$284.88	\$314.20	\$280.75	\$165.99	\$132.66	\$893.60	\$ 2,184.07	\$ 1,899.19	\$ -
52					\$0.00								
53					\$0.00								
54					\$0.00								
55					\$0.00								
56					\$0.00								
57	\$ 1,988	\$298.25		\$279.64	\$577.89					\$0.00	\$ 2,566.21	\$ 2,267.96	\$ 1,988.32
58					\$0.00								

	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM
59					\$0.00								
60					\$0.00								
61					\$0.00								
62					\$0.00								
63					\$0.00								
64	\$ -	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -
65					\$0.00								
66					\$0.00								
67					\$0.00								
68					\$0.00								
69					\$0.00								
70	\$ 57,795	\$10,169.30		\$7,003.79	\$17,173.08	\$140.04	\$83.42	\$978.99	\$879.32	\$2,081.77	\$ 84,968.41	\$ 74,799.11	\$ 57,795.18
71	\$ 17	\$2.57		\$1.56	\$4.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 21.26	\$ 18.69	\$ 17.12
72					\$0.00								
73					\$0.00								
74					\$0.00								
75					\$0.00								
76					\$0.00								
77					\$0.00								
78	\$ 14,248	\$2,137.24		\$1,983.48	\$4,120.72					\$0.00	\$ 18,368.96	\$ 16,231.72	\$ 14,248.24
79	\$ 154,359	\$23,153.81		\$21,488.14	\$44,641.95					\$0.00	\$ 199,000.65	\$ 175,846.84	\$ 154,358.70
80	\$ 82,209	\$13,398.50		\$10,686.59	\$24,085.09	\$1,790.41	\$2,273.39	\$0.00	\$0.00	\$4,063.80	\$ 113,408.39	\$ 100,009.89	\$ 82,209.38
81	\$ 25,136	\$4,080.77		\$3,267.44	\$7,348.21	\$520.85	\$661.35	\$0.00	\$0.00	\$1,182.20	\$ 34,553.35	\$ 30,472.58	\$ 25,135.63
82	\$ 1,355	\$151.16		\$195.06	\$346.23	-\$26.94	-\$32.12	-\$24.01	-\$22.54	-\$105.62	\$ 1,353.99	\$ 1,202.83	\$ 1,354.82
83	\$ 11,944	\$2,093.12		\$1,447.40	\$3,540.52	\$28.15	\$16.77	\$196.79	\$176.75	\$418.46	\$ 17,494.65	\$ 15,401.53	\$ 11,943.97
84	\$ 5,482	\$822.37		\$911.99	\$1,734.35					\$0.00	\$ 7,216.81	\$ 6,394.44	\$ 5,482.46
85					\$0.00								
86	\$ 145,254	\$21,788.03		\$23,380.30	\$45,168.33					\$0.00	\$ 190,421.88	\$ 168,633.85	\$ 145,253.55
87					\$0.00								
88	\$ 2,169	\$325.29		\$284.20	\$609.49					\$0.00	\$ 2,778.10	\$ 2,452.81	\$ 2,168.61
89					\$0.00								
90	\$ 14,869	\$2,088.92		\$2,393.30	\$4,482.21	-\$188.76	-\$161.02	-\$59.76	-\$52.26	-\$461.80	\$ 18,408.34	\$ 16,319.42	\$ 14,868.70
91	\$ 96,589	\$14,488.38		\$11,704.96	\$26,193.34					\$0.00	\$ 122,782.53	\$ 108,294.15	\$ 96,589.20
92	\$ 26,127	\$3,918.99		\$3,166.09	\$7,085.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 33,211.67	\$ 29,292.68	\$ 26,126.59
93					\$0.00								
94					\$0.00								
95					\$0.00								
96					\$0.00								
97	\$ 58,978	\$8,846.63		\$4,475.79	\$13,322.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 72,299.95	\$ 63,453.32	\$ 58,977.53
98					\$0.00								
99					\$0.00								
100	\$ 313,413	\$47,011.90		\$42,142.16	\$89,154.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 402,566.69	\$ 355,554.79	\$ 313,412.63
101					\$0.00								
102	\$ 917,392	\$137,608.87		\$146,610.33	\$284,219.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,201,611.63	\$ 1,064,002.77	\$ 917,392.44
103					\$0.00								
104					\$0.00								
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117					\$0.00								
118					\$0.00								
119					\$0.00								

	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM
120					\$0.00								
121					\$0.00								
122					\$0.00								
123					\$0.00								
124					\$0.00								
125					\$0.00								
126	\$ 146,388	\$21,958.20		\$23,394.56	\$45,352.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 191,740.77	\$ 169,782.56	\$ 146,388.00
127					\$0.00								
128					\$0.00								
129					\$0.00								
130					\$0.00								
131					\$0.00								
132					\$0.00								
133					\$0.00								
134					\$0.00								
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147					\$0.00								
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163					\$0.00								
164					\$0.00								
165					\$0.00								
166					\$0.00								
167					\$0.00								
168					\$0.00								
169					\$0.00								
170					\$0.00								
171					\$0.00								
172					\$0.00								
173	\$ 4,783	\$717.48		\$582.82	\$1,300.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 6,083.47	\$ 5,366.00	\$ 4,783.18
174	\$ -	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -
175	\$ 3,028	\$451.15		\$338.86	\$790.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 3,797.64	\$ 3,346.49	\$ 3,027.76
176					\$0.00								
177					\$0.00								
178	\$ 133,786	\$4,295.93		\$3,489.65	\$7,785.58					\$0.00	\$ 141,571.41	\$ 137,275.47	\$ 28,639.56
179					\$0.00								
180	\$ 96,494	\$3,488.65		\$2,833.88	\$6,322.53					\$0.00	\$ 102,816.57	\$ 99,327.92	\$ 23,257.67

	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM
181					\$0.00								
182	\$ 3,218	\$293.97		\$246.83	\$540.80					\$0.00	\$ 3,759.03	\$ 3,465.06	\$ 1,959.79
183					\$0.00								
184					\$0.00								
185					\$0.00								
186					\$0.00								
187					\$0.00								
188	\$ 16,411	\$2,461.66		\$2,206.67	\$4,668.34					\$0.00	\$ 21,079.43	\$ 18,617.77	\$ 16,411.09
189					\$0.00								
190					\$0.00								
191					\$0.00								
192	\$ 10,343	\$1,551.44		\$1,949.20	\$3,500.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 13,843.54	\$ 12,292.11	\$ 10,342.90
193					\$0.00								
194					\$0.00								
195					\$0.00								
196					\$0.00								
197					\$0.00								
198	\$ 6,718	\$1,007.68		\$1,073.59	\$2,081.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 8,799.13	\$ 7,791.45	\$ 6,717.85
199	\$ -	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -
200	\$ -	\$0.00		\$0.00	\$0.00					\$0.00	\$ -	\$ -	\$ -
201	\$ 94,808	\$14,221.26		\$17,867.42	\$32,088.68					\$0.00	\$ 126,897.10	\$ 112,675.84	\$ 94,808.42
202					\$0.00								
203					\$0.00								
204					\$0.00								
205	\$ 36,389	\$5,458.39		\$6,857.85	\$12,316.24					\$0.00	\$ 48,705.48	\$ 43,247.09	\$ 36,389.24
206	\$ 9,896	\$1,484.45		\$1,865.04	\$3,349.49					\$0.00	\$ 13,245.83	\$ 11,761.38	\$ 9,896.33
207					\$0.00								
208					\$0.00								
209	\$ 17,039	\$2,555.91		\$3,211.21	\$5,767.13					\$0.00	\$ 22,806.53	\$ 20,250.62	\$ 17,039.41
210					\$0.00								
211					\$0.00								
212					\$0.00								
213	\$ 11,538	\$2,192.06		\$1,722.20	\$3,914.26	\$769.33	\$976.86	\$0.00	\$0.00	\$1,746.19	\$ 18,527.97	\$ 16,335.91	\$ 11,537.56
214					\$0.00								
215					\$0.00								
216					\$0.00								
217					\$0.00								
218					\$0.00								
219					\$0.00								
220					\$0.00								
221	\$ 12,040	\$1,806.02		\$1,731.41	\$3,537.44					\$0.00	\$ 15,577.59	\$ 13,771.57	\$ 12,040.16
222					\$0.00								
223	\$ 33,009	\$4,951.39		\$4,746.84	\$9,698.23					\$0.00	\$ 42,707.48	\$ 37,756.09	\$ 33,009.25
224					\$0.00								
225	\$ 17,816	\$2,672.36		\$2,561.96	\$5,234.32					\$0.00	\$ 23,050.04	\$ 20,377.68	\$ 17,815.72
226					\$0.00								
227					\$0.00								
228					\$0.00								
229					\$0.00								
230					\$0.00								
231					\$0.00								
232					\$0.00								
233					\$0.00								
234					\$0.00								
235					\$0.00								
236					\$0.00								
237					\$0.00								
238					\$0.00								
239	\$ 40,118	\$6,017.67		\$5,769.07	\$11,786.74					\$0.00	\$ 51,904.54	\$ 45,886.87	\$ 40,117.80
240					\$0.00								
241	\$ 153,982	\$23,097.24		\$22,143.05	\$45,240.28					\$0.00	\$ 199,221.85	\$ 176,124.62	\$ 153,981.57

	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM
242					\$0.00								
243	\$ 4,468	\$408.13		\$342.68	\$750.81					\$0.00	\$ 5,218.79	\$ 4,810.66	\$ 2,720.84
244					\$0.00								
245	\$ 52,072	\$7,810.75		\$7,488.08	\$15,298.83					\$0.00	\$ 67,370.50	\$ 59,559.75	\$ 52,071.67
246	\$ 590	\$88.50		\$94.29	\$182.79					\$0.00	\$ 772.78	\$ 684.28	\$ 589.99
247	\$ 8,599	\$1,289.92		\$1,623.33	\$2,913.26					\$0.00	\$ 11,512.75	\$ 10,222.82	\$ 8,599.49
248	\$ 56,608	\$8,491.15		\$9,046.58	\$17,537.73					\$0.00	\$ 74,145.40	\$ 65,654.25	\$ 56,607.66
249	\$ 26,964	\$4,044.55		\$4,309.11	\$8,353.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 35,317.31	\$ 31,272.76	\$ 26,963.65
250					\$0.00								
251					\$0.00								
252					\$0.00								
253					\$0.00								
254					\$0.00								
255					\$0.00								
256	\$ -				\$0.00					\$0.00	\$ -		\$ -
257													

	DN	DO
1		
2		
3	TOTAL	
4	Total Benefits (Secondary GST)	incentive / MMBtu
5	\$37,407.97	\$ 70.03
6	\$2,290.97	\$ 9.95
7		
8	\$150,093.72	\$ 209.28
9	\$378.38	
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20	\$0.00	
21		
22		
23	\$218,184.11	
24		
25	\$37,958.28	\$ 342.81
26	\$5,673.96	\$ 599.95
27	\$17.15	
28	\$4,530.42	
29	\$215.60	
30	\$2,461.16	
31	\$6,277.95	\$ 45.70
32		
33		
34		
35	\$150,446.14	\$ 29.37
36	\$9,672.28	\$ -
37		
38	\$114,932.60	\$ 50.08
39	\$16,687.01	\$ -
40		
41		
42		
43		
44		
45		
46		
47	\$101,716.49	\$ 56.83
48	\$305.56	\$ 65.07
49	\$970.57	\$ 37.42
50	\$575,512.76	\$ 128.76
51	\$3,077.67	
52		
53		
54		
55		
56		
57	\$2,286.56	\$ 71.82
58		

	DN	DO
59		
60		
61		
62		
63		
64	\$0.00	
65		
66		
67		
68		
69		
70	\$80,046.40	\$ 63.49
71	\$19.69	
72		
73		
74		
75		
76		
77		
78	\$16,385.47	\$ 82.64
79	\$177,512.51	\$ 100.81
80	\$106,785.59	\$ 30.61
81	\$32,468.10	\$ 43.69
82	\$1,053.31	\$ 64.94
83	\$16,465.71	\$ 7.61
84	\$6,304.82	\$ 100.00
85		
86	\$167,041.58	\$ 117.19
87		
88	\$2,493.91	\$ 23.81
89		
90	\$15,553.24	\$ 95.89
91	\$111,077.58	\$ 16.81
92	\$30,045.57	\$ 17.12
93		
94		
95		
96		
97	\$67,824.16	\$ 4.24
98		
99		
100	\$360,424.53	5.6
101		
102	\$1,055,001.30	5.6
103		
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	DN	DO
120		
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126	\$168,346.20	
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167		
168		
169		
170		
171		
172		
173	\$5,500.66	
174	\$0.00	
175	\$3,458.78	
176		
177		
178	\$138,081.76	
179		
180	\$99,982.69	

	DN	DO
181		
182	\$3,512.21	
183		
184		
185		
186		
187		
188	\$18,872.76	
189		
190		
191		
192	\$11,894.34	
193		
194		
195		
196		
197		
198	\$7,725.53	
199	\$0.00	
200	\$0.00	
201	\$109,029.69	
202		
203		
204		
205	\$41,847.63	
206	\$11,380.78	
207		
208		
209	\$19,595.32	
210		
211		
212		
213	\$18,551.96	
214		
215		
216		
217		
218		
219		
220		
221	\$13,846.18	
222		
223	\$37,960.64	
224		
225	\$20,488.08	
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239	\$46,135.47	
240		
241	\$177,078.80	

	DN	DO
242		
243	\$4,876.11	
244		
245	\$59,882.42	
246	\$678.49	
247	\$9,889.41	
248	\$65,098.81	
249	\$31,008.19	
250		
251		
252		
253		
254		
255		
256	#VALUE!	
257		

Company	Distributor	Program Administrator	Year	Reporting Period	Sector	Program (Dropdown)	Subprogram (Dropdown)	Implementation								
								Internal Admin	External Admin	Rebate / Services	Marketing					
Gas	Northern Utilities	2021	Actual	B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$	24,658	\$	284	\$	321,934	\$	34,136	\$	7,081
Gas	Northern Utilities	2021	Actual	B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A1 - Energy Star Homes	A1a - ES Homes	\$	15,250	\$	161	\$	87,834	\$	5,495	\$	4,011
Gas	Northern Utilities	2021	Actual	A - Residential	A2 - Home Performance with Energy St	A2a - HPwES (Weatherization)	\$	11,604	\$	131	\$	419,564	\$	6,345	\$	3,261
Gas	Northern Utilities	2021	Actual	A - Residential	A2 - Home Performance with Energy St	A2b - HPwES (HVAC Systems)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A2 - Home Performance with Energy St	A2c - HPwES 3rd Party Financing (Loan buy-down)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A2 - Home Performance with Energy St	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A3 - Energy Star Products	A3a - ES Lighting	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A3 - Energy Star Products	A3b - ES Appliances	\$	20,409	\$	255	\$	292,665	\$	4,826	\$	6,370
Gas	Northern Utilities	2021	Actual	A - Residential	A4 - Residential Behavior	A4a - Residential Behavior	\$	-	\$	-	\$	23,990	\$	1,327	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A5 - Residential Active Demand Respor	A5a - Residential Active Demand Response	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A6a - Res Customer Engagement Platfr	A6a - Res Customer Engagement Platform	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A6b - Res ISO Forward Capacity Marke	A6b - Res ISO Forward Capacity Market Expenses	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A6c - Res Education	A6c - Res Education	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A6d - Res Building Practices and Demo	A6d - Energy Optimization Pilot	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A6e - Res Financing	A6e - Res Financing	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A7 - TBD Res Pilots/Demonstrations	A7a - TBD Res Pilot/Demonstration 1	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	A - Residential	A7 - TBD Res Pilots/Demonstrations	A7b - TBD Res Pilot/Demonstration 2	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construction	\$	55,649	\$	453	\$	317,951	\$	37,205	\$	11,680
Gas	Northern Utilities	2021	Actual	C - Commercial &	C1 - Large Business Energy Solutions	C1c - LCI Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	\$	34,493	\$	281	\$	396,000	\$	31,993	\$	7,376
Gas	Northern Utilities	2021	Actual	C - Commercial &	C2 - Small Business Energy Solutions	C2c - SCI Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3a - Muni Retrofit	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3b - Muni New Equipment and Construction	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C3 - Municipal Energy Solutions	C3c - Muni Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C4 - Energy Rewards RFP Program	C4a - Energy Rewards RFP Program	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6a - C&I Customer Engagement Platfr	C6a - C&I Customer Engagement Platform	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6b - C&I ISO Forward Capacity Marke	C6b - C&I ISO Forward Capacity Market Expenses	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6c - C&I Education	C6c - C&I Education	\$	-	\$	-	\$	3,145	\$	-	\$	588
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6d - C&I Customer Partnerships	C6d - C&I Customer Partnerships	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6e - Smart Start	C6e - Smart Start	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6f - C&I On Bill Financing	C6f - C&I On Bill Financing	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C6g - C&I Building Practices and Demo	C6g - C&I Building Practices and Demo	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C7 - C&I TBD Pilots/Demonstrations	C7a - TBD C&I Pilot/Demonstration 1	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities	2021	Actual	C - Commercial &	C7 - C&I TBD Pilots/Demonstrations	C7b - TBD C&I Pilot/Demonstration 2	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		B - Low-Income	B1 - Home Energy Assistance	B1a - HEA (Weatherization)	\$	21,098	\$	3,600	\$	303,667	\$	48,985	\$	15,000
Gas	Northern Utilities Inc.	Planned		B - Low-Income	B1 - Home Energy Assistance	B1b - HEA (HVAC Systems)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A1 - Energy Star Homes	A1a - ES Homes	\$	11,882	\$	3,500	\$	143,310	\$	33,495	\$	10,000
Gas	Northern Utilities Inc.	Planned		A - Residential	A2 - Home Performance with Energy St	A2a - HPwES (Weatherization)	\$	14,208	\$	3,500	\$	143,734	\$	35,000	\$	12,000
Gas	Northern Utilities Inc.	Planned		A - Residential	A2 - Home Performance with Energy St	A2b - HPwES (HVAC Systems)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A2 - Home Performance with Energy St	A2c - HPwES 3rd Party Financing (Loan buy-down)	\$	-	\$	-	\$	3,200	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A2 - Home Performance with Energy St	A2d - HPwES 3rd Party Financing (Mod. Income Loan buy-down)	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A3 - Energy Star Products	A3a - ES Lighting	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A3 - Energy Star Products	A3b - ES Appliances	\$	16,284	\$	3,500	\$	265,211	\$	29,819	\$	14,800
Gas	Northern Utilities Inc.	Planned		A - Residential	A4 - Residential Behavior	A4a - Residential Behavior	\$	3,000	\$	2,400	\$	60,606	\$	2,000	\$	200
Gas	Northern Utilities Inc.	Planned		A - Residential	A5 - Residential Active Demand Respor	A5a - Residential Active Demand Response	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A6a - Res Customer Engagement Platfr	A6a - Res Customer Engagement Platform	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A6b - Res ISO Forward Capacity Marke	A6b - Res ISO Forward Capacity Market Expenses	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A6c - Res Education	A6c - Res Education	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A6d - Res Building Practices and Demo	A6d - Energy Optimization Pilot	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A6e - Res Financing	A6e - Res Financing	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A7 - TBD Res Pilots/Demonstrations	A7a - TBD Res Pilot/Demonstration 1	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		A - Residential	A7 - TBD Res Pilots/Demonstrations	A7b - TBD Res Pilot/Demonstration 2	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1a - LCI Retrofit	\$	32,000	\$	15,000	\$	587,485	\$	45,808	\$	23,100
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1b - LCI New Equipment and Construction	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C1 - Large Business Energy Solutions	C1c - LCI Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2a - SCI Retrofit	\$	20,000	\$	2,096	\$	307,152	\$	40,000	\$	12,000
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2b - SCI New Equipment and Construction	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C2 - Small Business Energy Solutions	C2c - SCI Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C3 - Municipal Energy Solutions	C3a - Muni Retrofit	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C3 - Municipal Energy Solutions	C3b - Muni New Equipment and Construction	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C3 - Municipal Energy Solutions	C3c - Muni Midstream	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C4 - Energy Rewards RFP Program	C4a - Energy Rewards RFP Program	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C6a - C&I Customer Engagement Platfr	C6a - C&I Customer Engagement Platform	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned		C - Commercial &	C6b - C&I ISO Forward Capacity Marke	C6b - C&I ISO Forward Capacity Market Expenses	\$	-	\$	-	\$	-	\$	-	\$	-

Gas	Northern Utilities Inc.	Planned	C - Commercial & C6c - C&I Education	C6c - C&I Education	\$	2,747	\$	-	\$	14,320	\$	-	\$	1,000
Gas	Northern Utilities Inc.	Planned	C - Commercial & C6d - C&I Customer Partnerships	C6d - C&I Customer Partnerships	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned	C - Commercial & C6e - Smart Start	C6e - Smart Start	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned	C - Commercial & C6f - C&I On Bill Financing	C6f - C&I On Bill Financing	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned	C - Commercial & C6g - C&I Building Practices and Demo	C6g - C&I Building Practices and Demo	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned	C - Commercial & C7 - C&I TBD Pilots/Demonstrations	C7a - TBD C&I Pilot/Demonstration 1	\$	-	\$	-	\$	-	\$	-	\$	-
Gas	Northern Utilities Inc.	Planned	C - Commercial & C7 - C&I TBD Pilots/Demonstrations	C7b - TBD C&I Pilot/Demonstration 2	\$	-	\$	-	\$	-	\$	-	\$	-

			First Reference (column)
			First Reference (name)
			Second Reference (column)
			Second Reference (name)
			Third Reference (column)
			Third Reference (name)
			Notes

\$	500	\$	18,567	\$	-	\$	-	\$	18,567	\$	18,567		-	-	-	-	-	-	-	-
\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		-	-	-	-	-	-	-	-
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\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		-	-	-	-	-	-	-	-
\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		-	-	-	-	-	-	-	-



K:K
Customer Cost
(Total)

X:X
Annual Net Winter
kW

Z:Z
Annual Net
Summer kW

P:P
Net Annual MWh
Savings

M:M
Adjusted Gross
Annual MWh
Savings

Q:Q
Net Lifetime MWh
Savings

O:O
Adjusted Gross
Lifetime MWh
Savings

AC:AC
Net Annual Gas
Savings (MMBTU)

AA:AA
Adj. Gross Annual
Gas Savings
(MMBTU)

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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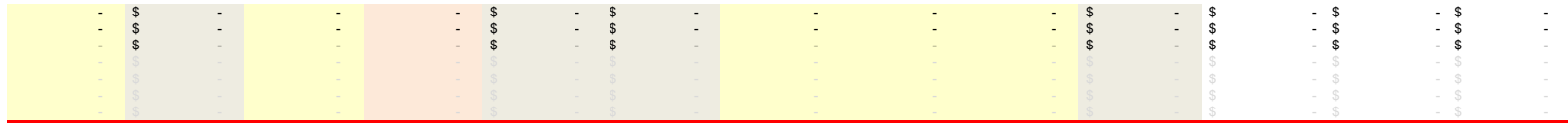


AD:AD	AB:AB	AW:AW	AU:AU	AX:AX	AV:AV	AY:AY	AZ:AZ	BA:BA	BC:BC	BD:BD	BE:BE	BF:BF
Net Lifetime Gas Savings (MMBTU)	Adj. Gross Lifetime Gas Savings (MMBTU)	Net Annual Wood Pellet Savings (MMBTU)	Adj Gross Annual Wood Pellet Savings (MMBTU)	Net Lifetime Wood Pellet Savings (MMBTU)	Adj Gross Lifetime Wood Pellet Savings (MMBTU)	Total Net Annual MMBTU	Total Net Lifetime MMBTU	Net Annual Res Water Savings Gallons	Net Lifetime Water Savings Gallons	Winter Peak Energy Benefits (\$)	Winter Off-Peak Energy Benefits (\$)	Summer Peak Energy Benefits (\$)
								BB:BB Net Annual C&I Water Savings Gallons				

Multiplied by 10 Multiplied by 10 Res + C&I

-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
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-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-
-	-	-	\$	-	-	-	-	-	-	-	-	\$	-	-

BG:BG	BH:BH	BN:BN		BP:BP	BQ:BQ	BR:BR	BS:BS	BT:BT	BU:BU	BV:BV		CF:CF
Summer Off-Peak Energy Benefits (\$)	Total Avoided Energy Benefits (\$)	Total Energy DRIPE Benefits (\$)		Summer Generation Benefits (\$)	Winter Generation (\$)	Electric Capacity DRIPE (\$)	Reliability (\$)	PTF Benefits (\$)	Transmission Benefits (\$)	Distribution Benefits (\$)		Total Avoided Gas Benefits (\$)



CO:CO	CX:CX	CY:CY	DC:DC	DE:DE	DJ:DJ
Total Gas DRIPE	Pellet Wood	Res Water	Fossil Emissions (oil, gas, propane, kerosene)	Total Non- Resource Benefits	Total Avoided Environmental Benefits
		CZ:CZ C&I Water	DD:DD Fossil Emissions Based on RGGI		
		Res + C&I	Gas not included	Not Included in total benefits	Water not included

Program Cost-Effectiveness - 2021 ACTUAL

	Benefit/Cost Ratios		Benefits (\$000)		Utility Costs (\$000)	Customer Costs (\$000)	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served	Annual MMBTU Savings	Lifetime MMBTU Savings
	Granite State Test	Granite State Test	Granite State Test	Granite State Test									
Residential Programs													
B1 - Home Energy Assistance	1.20	\$	483.437	\$	401.744	\$ -	10.462	195.652	2.4	2.7	37	1,184	24,468
A1 - Energy Star Homes	2.46	\$	296.137	\$	120.485	\$ 41.450	-	-	-	-	49	1,276	29,951
A2 - Home Performance with Energy Star	1.69	\$	757.834	\$	447.192	\$ 105.053	18.170	152.478	8.9	3.1	93	3,293	71,985
A3 - Energy Star Products	1.99	\$	670.553	\$	336.806	\$ 302.265	7.338	121.796	2.2	0.3	427	3,858	67,864
A4 - Residential Behavior	2.51	\$	63.453	\$	25.317	\$ -	-	-	-	-	13,038	5,968	5,968
Sub-Total Residential	1.71	\$	2,271.414	\$	1,331.544	\$ 448.768	35.971	469.927	13.5	6.1	13,644	15,579	200,236
Commercial, Industrial & Municipal													
C1 - Large Business Energy Solutions	3.55	\$	1,589.340	\$	447.666	\$ 148.568	-	-	-	-	4	12,825	192,374
C2 - Small Business Energy Solutions	1.98	\$	957.874	\$	483.665	\$ 113.172	1.073	29.546	0.7	-	99	6,937	92,623
C6c - C&I Education	-	\$	-	\$	3.733	\$ -	-	-	-	-	-	-	-
Sub-Total Commercial & Industrial	2.72	\$	2,547.215	\$	935.064	\$ 261.740	1.073	29.546	0.7	-	103	19,762	284,997
Total	2.13	\$	4,818.629	\$	2,266.608	\$ 710.508	37.044	499.473	14.1	6.1	13,747	35,340	485,234

Annual Savings as a % of 2019 Sales 0.47%

Low-Income	\$	317.33
Residential	\$	36.56
C&I	\$	133.33

Notes

- (1) The Granite State Test is used as the primary cost test, as approved in Order No. 36,322, and includes an annual NEI adder of \$405.71 per weatherization project in the Home Energy Assistance program.
- (2) Utility and Customer Costs and Benefits are expressed in 2021 Dollars.
- (3) Per past precedent, discount and inflation rates have been updated for the year in which measures will be installed, and were updated in June 2020 for program year 2021.

Present Value Benefits - 2021 ACTUAL

	Total Benefits (\$000)	Resource Benefits (\$000)											Non-Resource Benefits (\$000)			Environmental Benefits (\$000)					
		Electric											Non-Electric		Other Benefit		Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits	Total Non-Resource Benefits	
		CAPACITY				ENERGY				DRIPE	Total Electric Benefit	Gas Benefits		Total Gas Benefit	Other Fuels						Water Benefit
		Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	Winter Peak	Winter Off Peak	Summer Peak			Summer Off Peak	Electric DRIPE								
Residential Programs																					
B1 - Home Energy Assistance	\$ 483.4	\$ 4.9	\$ -	\$ 4.6	\$ 4.0	\$ 4.1	\$ 4.4	\$ 2.4	\$ 1.9	\$ 0.6	\$ 27.0	\$ 206.5	\$ 5.9	\$ 212.4	\$ -	\$ 0.2	\$ 239.6	\$ 25.6	\$ 218.2	\$ 243.8	\$ 7.7
A1 - Energy Star Homes	\$ 296.1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 247.6	\$ 6.1	\$ 253.7	\$ -	\$ -	\$ 253.7	\$ 42.5	\$ 38.1	\$ 80.5	\$ -
A2 - Home Performance with Energy Star	\$ 757.8	\$ 2.3	\$ -	\$ 2.7	\$ 2.4	\$ 3.5	\$ 3.6	\$ 1.7	\$ 1.2	\$ 0.7	\$ 18.1	\$ 606.1	\$ 16.7	\$ 622.9	\$ 16.9	\$ 0.8	\$ 658.7	\$ 99.1	\$ 98.7	\$ 197.8	\$ 6.5
A3 - Energy Star Products	\$ 670.6	\$ 0.4	\$ -	\$ 0.4	\$ 0.3	\$ 3.7	\$ 4.4	\$ 0.2	\$ 0.1	\$ 0.5	\$ 9.9	\$ 562.8	\$ 17.0	\$ 579.7	\$ -	\$ -	\$ 589.6	\$ 80.9	\$ 88.4	\$ 169.4	\$ 5.1
A4 - Residential Behavior	\$ 63.5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56.0	\$ 2.9	\$ 59.0	\$ -	\$ -	\$ 59.0	\$ 4.5	\$ 8.8	\$ 13.3	\$ -
A6e - Res Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Residential	\$ 2,271.4	\$ 7.6	\$ -	\$ 7.7	\$ 6.7	\$ 11.4	\$ 12.4	\$ 4.3	\$ 3.3	\$ 1.7	\$ 55.0	\$ 1,679.0	\$ 48.6	\$ 1,727.7	\$ -	\$ 1.1	\$ 1,800.6	\$ 252.6	\$ 452.2	\$ 704.8	\$ 19.3
Commercial/Industrial Programs																					
C1 - Large Business Energy Solutions	\$ 1,589.3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,335.5	\$ 41.7	\$ 1,377.2	\$ -	\$ -	\$ 1,377.2	\$ 212.1	\$ 206.6	\$ 418.7	\$ -
C2 - Small Business Energy Solutions	\$ 957.9	\$ -	\$ -	\$ -	\$ -	\$ 1.4	\$ 1.6	\$ -	\$ -	\$ 0.1	\$ 3.1	\$ 647.8	\$ 21.5	\$ 669.3	\$ -	\$ 181.4	\$ 853.8	\$ 104.1	\$ 100.9	\$ 205.0	\$ 1.7
C6c - C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Commercial & Industrial	\$ 2,547.2	\$ -	\$ -	\$ -	\$ -	\$ 1.4	\$ 1.6	\$ -	\$ -	\$ 0.1	\$ 3.1	\$ 1,983.3	\$ 63.2	\$ 2,046.5	\$ -	\$ 181.4	\$ 2,231.0	\$ 316.2	\$ 307.4	\$ 623.7	\$ 1.7
Total	\$ 4,818.6	\$ 7.6	\$ -	\$ 7.7	\$ 6.7	\$ 12.7	\$ 13.9	\$ 4.3	\$ 3.3	\$ 1.8	\$ 58.0	\$ 3,662.4	\$ 111.8	\$ 3,774.2	\$ -	\$ 182.5	\$ 4,031.6	\$ 568.8	\$ 759.6	\$ 1,328.5	\$ 21.1

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

Portfolio Planned Versus Actual Performance - 2021										
Portfolio	Planned	Threshold	Actual	% of Plan	Design	Actual	125% of Planned		Actual PI	Source
					Coefficient	Coefficient	Planned PI	PI		
1 Lifetime MMBtu Savings	510,680	383,010	485,234	95%	2.475%	2.352%	\$ 60,127	\$ 75,158	\$ 53,303	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	36,792	27,594	35,340	96%	1.100%	1.057%	\$ 26,723	\$ 33,404	\$ 23,949	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 3,940,270		4,031,610	102%						Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 2,429,357		2,266,608	93%						Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 1,510,913	\$ 1,133,184	\$ 1,765,002	117%	1.925%	2.249%	\$ 46,765	\$ 58,456	\$ 50,970	Line 5 minus line 6
6 Total					5.500%	5.657%	\$ 133,615	\$ 167,018	\$ 128,222	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 4,542,683	\$ 4,818,629	Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 133,615	\$ 128,222	from row 6 above
9 Total Utility Costs	\$ 2,429,357	\$ 2,266,608	from row 4 above
10 Portfolio GST BCR	1.77	2.01	Row 7 Divided by Rows 8+9

Utility Costs expressed in 2021 dollars.

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

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	A5 - Residential Active Demand Response	A6a - Res Customer Engagement	A6b - Res ISO Forward Capacity Market Expenses	C1 - Large Business Energy Solutions	C2 - Small Business Energy Solutions	C3 - Municipal Energy Solutions	C4 - Energy Rewards RFP Program	C5 - C&I Active Demand Response	C6a - C&I Customer Engagement	C6b - C&I ISO Forward Capacity Market Expenses	C6c - C&I Education	C6d - C&I Customer Partnerships	C6e - Smart Start		
Utility System Costs																								
1	Measure costs (utility portion)	Rebate/Services costs, Costs tab	✓	✓	\$ 1,863,084	\$ 321,934	\$ 87,834	\$ 419,564	\$ 292,665	\$ 23,990	\$ -	\$ -	\$ 317,951	\$ 396,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,145	\$ -	\$ -	
2	Other financial or technical support costs	Included in Measure costs (utility portion)	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3	Other program and administrative costs	Internal Admin, External Admin, Implementation, and Marking costs, Costs tab	✓	✓	\$ 325,321	\$ 66,159	\$ 24,917	\$ 21,341	\$ 31,860	\$ 1,327	\$ -	\$ -	\$ 104,987	\$ 74,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 588	\$ -	
4	EM&V costs	EM&V costs, Costs tab	✓	✓	\$ 78,203	\$ 13,651	\$ 7,733	\$ 6,287	\$ 12,281	\$ -	\$ -	\$ -	\$ 24,727	\$ 13,523	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
5	Performance incentives ¹	Performance Incentive calculation, 3. Att J1 PI tab	✓	✓	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Utility System Benefits																								
6	Avoided energy costs	2. Att J1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	\$ 29,313	\$ 11,047	\$ -	\$ 8,584	\$ 7,171	\$ -	\$ -	\$ -	\$ -	\$ 2,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7	Avoided generating capacity costs	2. Att J1 Ben tab (does not include avoided line losses and wholesale risk premium for uncleared capacity)	✓	✓	\$ 6,984	\$ 4,551	\$ -	\$ 2,111	\$ 322	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8	Avoided reserves	Included in avoided generating capacity costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
9	Avoided transmission costs	2. Att J1 Ben tab	✓	✓	\$ 7,725	\$ 4,596	\$ -	\$ 2,737	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10	Avoided distribution costs	2. Att J1 Ben tab	✓	✓	\$ 6,692	\$ 3,982	\$ -	\$ 2,371	\$ 339	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
11	Avoided T&D line losses	Calculated based on 8% line loss factor applied to Avoided energy, generating capacity, and DRPE	✓	✓	\$ 3,131	\$ 1,326	\$ -	\$ 932	\$ 655	\$ -	\$ -	\$ -	\$ -	\$ 218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
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 (DRPE)	2. Att J1 Ben tab (does not include avoided line losses and wholesale risk premium)	✓	✓	\$ 1,562	\$ 488	\$ -	\$ 572	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
14	Avoided compliance with RPS requirements	Included in avoided energy costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15	Avoided environmental compliance costs (embedded)	Included in avoided energy costs	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
16	Avoided credit and collection costs	Included in income eligible (participant non-energy benefits)	✓	✓		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
17	Reduced risk	Calculated based on 8% wholesale risk premium applied to avoided energy, DRPE, and uncleared avoided generating capacity	✓	✓	\$ 2,617	\$ 991	\$ -	\$ 776	\$ 631	\$ -	\$ -	\$ -	\$ -	\$ 218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
18	Increased reliability ²	2. Att J1 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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Non-Utility System Impacts																								
20	Other fuel	2. Att J1 Ben tab	✓	✓	\$ 3,791,119	\$ 212,398	\$ 253,685	\$ 639,797	\$ 579,740	\$ 58,978	\$ -	\$ -	\$ 1,377,193	\$ 669,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
21	Water resource	2. Att J1 Ben tab	✓	✓	\$ 182,466	\$ 246	\$ -	\$ 832	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 181,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
22	Income eligible (participant costs)	1. Att J1 Cost Eff tab	✓	✓	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
23	Income eligible (participant non-energy benefits)	2. Att J1 Ben tab	✓	✓	\$ 218,184	\$ 218,184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
24	Participant costs	1. Att J1 Cost Eff tab	✓	✓	\$ 710,508	\$ -	\$ 41,450	\$ 105,053	\$ 302,265	\$ -	\$ -	\$ -	\$ 148,568	\$ 113,172	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
25	Participant non-energy benefits	2. Att J1 Ben tab	✓	✓	\$ 541,464	\$ -	\$ 38,053	\$ 98,682	\$ 88,447	\$ 8,847	\$ -	\$ -	\$ 206,579	\$ 100,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
26	Environmental, NH fossil fuel proxy	2. Att J1 Ben tab	✓	✓	\$ 568,835	\$ 25,627	\$ 42,452	\$ 99,123	\$ 80,909	\$ 4,476	\$ -	\$ -	\$ 212,147	\$ 104,102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Granite State Test																								
27	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22)	✓	✓	\$ 2,266,608	\$ 401,744	\$ 120,485	\$ 447,192	\$ 336,806	\$ 25,317	\$ -	\$ -	\$ 447,666	\$ 483,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,733	\$ -	
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)	✓	✓	\$ 4,818,629	\$ 483,437	\$ 296,137	\$ 757,834	\$ 670,553	\$ 63,453	\$ -	\$ -	\$ 1,589,340	\$ 957,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
29	BC Ratio	Line 28 / Line 27	✓	✓	2.13	1.20	2.46	1.69	1.99	2.51	-	-	3.55	1.98	-	-	-	-	-	-	-	-	-	
Total Resource Cost Test																								
30	Costs	Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22); Participant Costs (line 24)	✓	✓	\$ 2,977,116	\$ 401,744	\$ 161,935	\$ 552,245	\$ 639,071	\$ 25,317	\$ -	\$ -	\$ 596,234	\$ 596,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,733	\$ -	
31	Benefits	Utility System Benefits (lines 6-11, 13-15, 17, 19 ¹); Non-Utility System Impacts (lines 20-21, 23, 25-26)	✓	✓	\$ 5,360,093	\$ 483,437	\$ 334,190	\$ 856,516	\$ 758,999	\$ 72,300	\$ -	\$ -	\$ 1,795,919	\$ 1,058,732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
32	BC Ratio	Line 31 / Line 30	✓	✓	1.80	1.20	2.06	1.55	1.19	2.86	-	-	3.01	1.77	-	-	-	-	-	-	-	-	-	

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

Portfolio Planned Versus Actual Performance - 2021												
Portfolio	Planned	Threshold	Actual	% of Plan	Design Coefficient	Actual Coefficient	125% of Planned			Actual Coefficient w/ 100% Threshold	PI w/ 100% Threshold	Source
							Planned PI	PI	Actual PI			
1 Lifetime MMBtu Savings	510,680	383,010	485,234	95%	2.475%	2.352%	\$ 60,127	\$ 75,158	\$ 53,303	0.000%	\$ -	Planned and Actual from Cost Eff Tab
2 Annual MMBtu Savings	36,792	27,594	35,340	96%	1.100%	1.057%	\$ 26,723	\$ 33,404	\$ 23,949	0.000%	\$ -	Planned and Actual from Cost Eff Tab
3 Total Resource Benefits	\$ 3,940,270		4,031,610	102%								Planned and Actual from Benefits Tab
4 Total Utility Costs ¹	\$ 2,429,357		2,266,608	93%								Planned and Actual from Cost Eff Tab
5 Net Benefits	\$ 1,510,913	\$ 1,133,184	\$ 1,765,002	117%	1.925%	2.249%	\$ 46,765	\$ 58,456	\$ 50,970	2.249%	\$ 50,970	Line 5 minus line 6
6 Total					5.500%	5.657%	\$ 133,615	\$ 167,018	\$ 128,222	2.249%	\$ 50,970	

	Granite State Test		Source
	Planned	Actual	
7 Total Benefits (GST)	\$ 4,542,683	\$ 4,818,629	Planned and Actual from Cost Eff Tab
8 Performance Incentive	\$ 133,615	\$ 128,222	from row 6 above
9 Total Utility Costs	\$ 2,429,357	\$ 2,266,608	from row 4 above
10 Portfolio GST BCR	1.77	2.01	Row 7 Divided by Rows 8+9

Utility Costs expressed in 2021 dollars.

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

Row Labels	Column Labels	
	Sum of Total Program Costs	
	Actual	Planned
A - Residential	929,799.6	852,149.4
A1 - Energy Star Homes	120,484.7	213,187.0
A2 - Home Performance with Energy Star	447,192.1	222,642.4
A3 - Energy Star Products	336,806.0	347,114.0
A4 - Residential Behavior	25,316.7	69,206.0
A5 - Residential Active Demand Response	-	-
A6a - Res Customer Engagement Platform	-	-
A6b - Res ISO Forward Capacity Market Expenses	-	-
B - Low-Income	401,744.1	413,000.0
B1 - Home Energy Assistance	401,744.1	413,000.0
C - Commercial & Industrial	935,063.9	1,164,208.0
C1 - Large Business Energy Solutions	447,665.6	740,393.0
C2 - Small Business Energy Solutions	483,665.5	405,248.0
C3 - Municipal Energy Solutions	-	-
C4 - Energy Rewards RFP Program	-	-
C5 - C&I Active Demand Response	-	-
C6a - C&I Customer Engagement Platform	-	-
C6b - C&I ISO Forward Capacity Market Expenses	-	-
C6c - C&I Education	3,732.9	18,567.0
C6d - C&I Customer Partnerships	-	-
C6e - Smart Start	-	-
Grand Total	2,266,607.6	2,429,357.4

Sum of Rebate / Services		Sum of Net Annual Energy (MWh)		Sum of Net Lifetime Energy (MWh)		Sum of Total Net Annual MMBTU
Actual	Planned	Actual	Planned	Actual	Planned	Actual
824,054.0	616,061.0	25.5	35.0	274.3	396.6	14,425.6
87,834.4	143,310.0	-	9.6	-	121.6	1,276.0
419,564.2	146,934.0	18.2	20.9	152.5	215.5	3,323.8
292,665.2	265,211.0	7.3	4.5	121.8	59.5	3,857.9
23,990.2	60,606.0	-	-	-	-	5,967.8
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
321,934.1	303,667.0	10.5	11.8	195.7	88.4	1,184.1
321,934.1	303,667.0	10.5	11.8	195.7	88.4	1,184.1
717,095.5	908,957.0	1.1	2.5	29.5	42.6	19,761.5
317,951.2	587,485.0	-	-	-	-	12,824.9
395,999.6	307,152.0	1.1	2.5	29.5	42.6	6,936.6
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
3,144.6	14,320.0	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
1,863,083.5	1,828,685.0	37.0	49.2	499.5	527.6	35,371.2

Northern Utilities Inc.
 NHPUC Docket No. DE 20-092
 2021 Annual Filing
 Order No. 26,621, 9.ii.1.: Planned vs Actuals

Sum of Total Net Planned	Sum of Total Net Lifetime MMBTU Actual	Planned
12,731.8	176,540.3	145,373.9
1,494.5	29,951.3	35,647.5
1,729.0	72,757.0	34,324.8
4,204.3	67,864.2	70,097.6
5,304.0	5,967.8	5,304.0
-	-	-
-	-	-
-	-	-
1,817.1	24,467.7	39,238.4
1,817.1	24,467.7	39,238.4
22,243.1	284,997.4	326,067.4
16,373.4	192,374.0	229,189.2
5,869.7	92,623.5	96,878.2
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
36,792.0	486,005.4	510,679.7

Requirement	Tab	Topic
9.i.	9.i.1	GST v TRC
	9.i.2	Discount rates
9.ii.	9.ii.1	Plan & Actual Savings
	9.ii.2	PI - 100% test
9.iii.	9.iii.1	Expenses by State; Contractors
	9.iii.2	Projects by Municipalities
	9.iii.3	impact on NH Economy - long term impact
9.iv.	9.iv.1	Project Subsidy Level

9.iv.2 NPV of EE Services Provided at No Cost

9.v. 9.v Market Barriers - quantification of cost

9.vi. 9.vi Expenses/Revenues by Category

9.vii. 9.vii.1 HEA Project Incentive Level

9.vii.2 HEA Projects over \$15K

9.viii. 9.viii Other reporting

Description

Provide an analysis of the actual performance of each program, using both the GST and the TRCT, in live excel spreadsheets with all assumptions clearly stated, justified, and referenced. For reference, this request is analogous to updating table 10 of the Synapse Report with data delineated as requested.

Provide an accounting of all of the discount rates used by the Utility, including but not limited to internal capital planning, FERC reporting, federal, state, and local tax, the weighted costs of capital, and energy cost forecasting for 2021 and 2022. For each rate reported, please justify why it is the appropriate measure for that specific instance.

Provide an analysis of the planned and actualized energy efficiency savings, broken out by the program, savings category, and customer class

As part of this reporting, calculate the estimated annual performance incentive—as both a percentage and aggregate dollars—for each Utility based on the current formula and calculate the performance incentive—as both a percentage and aggregate dollars—if the minimum achievement level was changed from 65%-75% to 100% for each category as outlined in tables 5-1 and 5-2 of the proposed EE Plan (Bates pages 88–89).

Please report the amount of funding expended on all Energy Efficiency contractors and consultants in 2021 and 2022. Please list the contractors' names, and business addresses, appropriately redacted. Summarize the expenditures by US state and foreign country

For 2021 and 2022, report the amount of energy efficiency funding expended in each New Hampshire municipality. Please include the total spending over this period and the amount expended that cannot be tied back to a project in an NH municipality. Please include the number of projects funded in each NH municipality, number of ratepayers in each municipality, and dollars spent per municipality and per ratepayer in each municipality

Please comprehensively conduct a study and report on the 2021 and 2022 Plan's long-term impact on the NH economy that quantifies all factors noted in the 2022– 2023 Plan at Bates pages 6 and 7 by properly accounting for discounting that reflects ratepayers' time-preference, and by estimating the energy savings to reflect both the energy intensity and the spillover impacts also associated with future incremental economic activity prompted by the Plan.

1. For any energy efficiency project that a ratepayer avails, the column "Subsidy" represents the share of the total cost of the project that is paid for by the utility. Please provide the requested information for all customer projects for program year 2021 and 2022 per the table

Please provide an analysis of energy efficiency and net present value, for all services and equipment provided at no direct cost to the end customer. Separate into logical categories, including low income.

Please conduct an analysis quantifying, in terms of net present value, the market barriers listed in Tables 2.1 and 3.1 of the proposed EE Plan (Bates Pages 27, 28, 49, and 50)

Please report on annual expenditures, on a program-by-program basis broken down by categories including, but not limited to , internal administrative costs, costs associated with external consultants , and costs paid to subsidiaries . Please provide these figures in single tables with annual funding, annual budget , and actual annual spending (including any carryforward funds expended). Provide this data beginning year 2016 up through 2021 in the first filing and through 2022 in the second filing.

1. Please report the number of projects which received rebate funding in 2021 and 2022 which fall into the following ranges and to whom the benefits directly accrue (low income ratepayer or landlord) (\$0-\$9k, \$9-\$12k, \$12-\$15k, > \$15k) - add a both for housing authority projects

Please provide a brief narrative for each project that receives a rebate of over \$15,000. Do not structure program rebates to avoid this additional reporting requirement.

Please provide copies of all filings utilities made to regional or regulatory organizations regarding Energy Efficiency programs during 2021 and 2022. Examples include Forward Capacity Market (FCM), Regional Greenhouse Gas Initiative (RGGI), etc .

Note

Provided within the BC Model

Provided within the BC Model

Provided within the BC Model

Due in 2023

Due 8/31/2022

Reports are being provided
concurrently as separate
files.

This report included in the BC Model.

Discount Rate Summary

	<u>2022</u>	<u>2021</u>
Customer Contribution Model - Investments		
NuNH	6.56%	6.79%
Pension and PBOP		
Plan costs	2.85%	2.50%
Plan assets	TBD	2.85%
Operating Lease Obligation	3.70%	3.90%
Fair Value of Long-Term Debt	4.28%	3.28%

The Energy Efficiency real discount rate is calculated in accordance with tl

These are very low risk investments that are customer owned and opera

Comment

After Tax Weighted Cost of Capital

Evaluation of both current market conditions and Unital's Benefit Plan cash flows. Approximately equal to high quality corporate and utility bond interest rate indices and pension yield curves. Per GAAP the discount

Weighted average operating lease rate (changes quarterly) based on the rate stated in each lease agreement

Current debt rate of similar issues - Moody's Baa Utility Bond Average Yield (changes quarterly)

he methodology outlined in the Avoided Energy Supply Components 2021 study (AESC 2021). The calculation
ated and due to the nature of the investments, and confirmed by routine study of baselines and savings, are

This report included in the BC Model.

While the actual results have been modeled to show the impact of different thresholds retroactive applied, three things should be noted. First, the minimum thresholds need to be considered in conjunction with the targets established. Second, once the goals and thresholds are in place, the U must actually perform and sufficiently deliver the results of the programs. Third, it should be noted actually delivering programs in real time under different thresholds could incentivize behavior and outcomes that differ from what is portrayed.

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This report included in the BC Model.

-The Utilities have provided the information as requested, but would like to note that the data provided in and of itself does not fully reflect the impact of the programs at large. While the utilities have not collected nor would it be administratively feasible to collect this information, it is important to consider the following v

-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 outside of New Hampshire whose employees the Utilities contract and work within New Hampshire

-Contractor and vendor payments are not reflective of The full economic impact of The projects performed. The column labeled 'Rebate Portion of Total Amount' reflects the amounts that flowed through the contractors to customers in the form of cash rebates and/or the cost of procuring and installing energy efficiency measures on customer premises, which necessarily take place within New Hampshire and benefit u

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

when reviewing the table.

2021 Vendor Expenditures

Line	State/Country	Total Amount	Rebate Portion of Total Amount
1	CA	\$261,836	\$86,122
2	CO	\$454	
3	CT	\$280	
4	FL	\$379	
5	IL	\$7,388	
6	MA	\$341,830	\$315,517
7	ME	\$525	
8	NH	\$818,612	\$608,386
9	NY	\$10,293	
10	ONTARIO	\$722	
11	PA	\$6,723	
12	TX	\$49,941	\$26,812
13	VT	\$1,617	
14	Grand Total	\$1,500,601	\$1,036,836

Line	Vendor Name
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
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21	
22	
23	
24	
25	

2021 List of Vendors

Street Address	City	State/Country	Zip Code
	BOSTON	MA	02110
	SUGAR LAND	TX	77479
	BOULDER	CO	80302
	CANTON	MA	02021
	AUSTIN	TX	78746
	FORT WASHINGTON	PA	19034
	SALISBURY	MA	01952
	NEEDHAM	MA	02492
	CHICAGO	IL	60674
	BOSTON	MA	02284
	OAKLAND	CA	94612
	TORONTO	CANADA	M5H 1K5
	DALLAS	TX	75265
	NAPLES	FL	34103
	CHICAGO	IL	60677
	PITTSBURG	PA	15251
	HARRISON	ME	04040
	REDWOOD SHORES	CA	94065
	ITHACA	NY	14850
	BOSTON	MA	02284
	FALL RIVER	MA	02720
	COLCHESTER	CT	06415
	CAMBRIDGE	MA	02139
	PITTSBURGH	PA	15253
	MONTPELIER	VT	05602

Projects by Muni

Municipality	Residential (including Low Income)				C
	Incentives	Participants	Customers	\$/Customer		Incentives
Atkinson	\$ 3,341	12	306	\$ 10.92	
Dover	\$ 151,243	85	5,482	\$ 27.59	\$ 43,343.02
DURHAM	\$ 10,455	4	644	\$ 16.23	\$ 68,658.60
East Kingston	\$ 1,500	1	19	\$ 78.95	
EPPING	\$ -	-		\$ -	\$ 1,599.20
Exeter	\$ 77,482	51	2,680	\$ 28.91	\$ 20,918.85
Greenland	\$ -	-	108	\$ -	
Hampton	\$ 168,430	113	5,637	\$ 29.88	\$ 10,140.53
Hampton Falls	\$ -	-	8	\$ -	
Kensington	\$ 5,897	1	78	\$ 75.60	
Newington	\$ -	-	37	\$ -	\$ 140,835.00
non-rebate total	\$ -	-		\$ -	
North Hampton	\$ 200	1	37	\$ 5.41	\$ 4,000.00
Plaistow	\$ 63,983	23	856	\$ 74.75	\$ 4,200.00
Portsmouth	\$ 108,148	64	5,636	\$ 19.19	\$ 72,417.20
Rochester	\$ 211,027	34	3,099	\$ 68.10	\$ 74,641.20
Rollinsford	\$ -	-	18	\$ -	
Salem	\$ 12,138	11	1,246	\$ 9.74	\$ 27,492.40
Seabrook	\$ 36,018	28	1,751	\$ 20.57	\$ 2,263.10
Somersworth	\$ 79,943	20	1,056	\$ 75.70	\$ 104,641.96
Stratham	\$ -	-	1	\$ -	\$ 1,599.20
rebate services total	\$ 216,185	-		\$ -	\$ 140,345

Northern Utilities Inc.
 NHPUC Docket No. IR 22-042
 2021 Compliance Filing
 Order 26,621, 9.iii.2

unicipality - 2021

Commercial and Industrial			Total			
Participants	Customers	\$/Customer	Incentives	Participants	Customers	\$/Customer
	21	\$ -	\$ 3,341	12	327	\$ 10.22
23	1,052	\$ 41.20	\$ 194,586	108	6,534	\$ 29.78
4	137	\$ 501.16	\$ 79,113	8	781	\$ 101.30
	2	\$ -	\$ 1,500	1	21	\$ 71.43
1	8	\$ 199.90	\$ 1,599	1	8	\$ 199.90
5	549	\$ 38.10	\$ 98,401	56	3,229	\$ 30.47
	58	\$ -	\$ -	-	166	\$ -
5	677	\$ 14.98	\$ 178,570	118	6,314	\$ 28.28
	2	\$ -	\$ -	-	10	\$ -
	4	\$ -	\$ 5,897	1	82	\$ 71.92
2	214	\$ 658.11	\$ 140,835	2	251	\$ 561.10
		\$ -	\$ -	-	-	\$ -
2	171	\$ 23.39	\$ 4,200	3	208	\$ 20.19
6	305	\$ 13.77	\$ 68,183	29	1,161	\$ 58.73
31	1,700	\$ 42.60	\$ 180,565	95	7,336	\$ 24.61
6	623	\$ 119.81	\$ 285,668	40	3,722	\$ 76.75
	4	\$ -	\$ -	-	22	\$ -
10	696	\$ 39.50	\$ 39,630	21	1,942	\$ 20.41
3	375	\$ 6.03	\$ 38,281	31	2,126	\$ 18.01
6	409	\$ 255.85	\$ 184,585	26	1,465	\$ 126.00
2	75	\$ 21.32	\$ 1,599	2	76	\$ 21.04
		\$ -	\$ 356,530	-	-	\$ -

Projects by Subsidy Level - 2021

	Subsidy %	Projects	Total Project Cost	Total Incentive
All Programs	100%	80	\$ 317,693	\$ 317,693
	80-99%	21	\$ 137,375	\$ 118,963
	60-79%	96	\$ 829,756	\$ 565,999
	40-59%	151	\$ 572,830	\$ 267,883
	20-39%	194	\$ 742,462	\$ 219,616
	1-19%	27	\$ 1,035,262	\$ 56,251

NPV of EE Services Provided at No Cost

Program	Subsidy %	Projects	Total Project Cost	Total Incentive	Avg/Proj
HEA	100%	37	\$ 275,355	\$ 275,355	\$ 7,442
HPwES	100%	33	\$ 23,894	\$ 23,894	\$ 724
Small C&I	100%	10	\$ 18,444	\$ 18,444	\$ 1,844

Analysis for 100% Incentive

HEA projects are done at no cost to the customer.

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.
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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. These are all midstream ice machines.

“Internal administrative costs” are reflected in the Cost Table of the Benefit Cost model and reflect internal employee time associated with the administration of the programs. These are distinct from internal implementation costs and, for Eversource and Unitil, also distinct from internal costs associated with marketing and evaluation activities. Report 6, Page 1 shows the plan and actual internal administrative costs by program in program years 2016 through 2021 in the column labeled “Internal Admin Costs”.

For the purposes of this reporting, costs associated with “External Consultants” has been defined as those associated with third party entities that are not directly engaged with the evaluation, marketing or implementation of energy efficiency programs (including education or pilots), but which are retained by the utilities either individually or collectively to support regulatory requirements, planning, or as paid to other parties such as the PUC or OCA as directed by Settlement or PUC Order. Due to the nature of the consulting work, these costs are not directly assigned to individual programs but are allocated among them. For some consultants, the expenses were not specifically budgeted for during planning, which is reflected by \$0 in the relevant fields. These costs are contained in Report 6, Page 1 under the column labeled “External Admin Costs”. All of the Company’s expenses related to energy efficiency originate in Unitil Service Company (“USC”) and are reimbursed by Northern Utilities, Inc (NU).

Regarding Revenues, the Company develops its customer sector budgets based on anticipated revenues and carryforward (or ending balance) from the prior year. These anticipated revenues are comprised of:

- a. SBC revenues, equal to the approved rate x sales forecast by sector (electric programs only)
- b. FCM revenues, based on an estimate of capacity obligation in the relevant program year and the closing \$ / kW for the relevant commitment period (electric programs only)
- c. RGGI revenues, based on an estimate of revenues resulting from the state’s participation as provided by the PUC and subsequently DOE on an annual basis, allocated among the electric utilities based on sales forecasts [Budget? Customer counts?] and to the Municipal and Income Eligible programs based on legislative requirements. (electric programs only)
- d. LDAC revenues, equal to the approved rate(s) x sales forecast by sector (gas programs only)
- e. Interest based on the approved rate and the estimated monthly balance
- f. Contributions to the Income Eligible sector from the C&I and Residential sector revenues

The planned and actual revenues by sector are reflected for program years 2016 – 2021 in Report 9.vi Revenue by Category.

Year	Period	Sector	Program	Plan/Admin Int
2016	Actual	A-Res	A1-Residential Ener	\$ 4,643
2016	Actual	A-Res	A2-Residential Hom	\$ 10,214
2016	Actual	A-Res	A3-Residential Ener	\$ 23,215
2016	Actual	A-Res	A4-Res Gas Financin	\$ -
2016	Actual	A-Res	A7-Residential State	\$ -
2016	Actual	A-Res	A6-Residential Educ	\$ -
2016	Actual	B-LowInc	B1-Low-Income Hor	\$ 14,857
2016	Actual	C-C&I	C1a-Lg C&I Custom	\$ 18,572
2016	Actual	C-C&I	C1b-Lg C&I GasNetv	\$ 4,643
2016	Actual	C-C&I	C2a-Sm C&I Custom	\$ 5,572
2016	Actual	C-C&I	C2b-Sm C&I GasNet	\$ 11,143
2016	Actual	C-C&I	C5-C&I Statewide M	\$ -
2016	Actual	C-C&I	C7-C&I Education	\$ -
2016	Plan	A-Res	A1-Residential Ener	\$ 5,500
2016	Plan	A-Res	A2-Residential Hom	\$ 6,480
2016	Plan	A-Res	A3-Residential Ener	\$ 20,934
2016	Plan	A-Res	A4-Res Gas Financin	\$ -
2016	Plan	A-Res	A7-Residential State	\$ -
2016	Plan	A-Res	A6-Residential Educ	\$ -
2016	Plan	B-LowInc	B1-Low-Income Hor	\$ 14,623
2016	Plan	C-C&I	C1a-Lg C&I Custom	\$ 15,000
2016	Plan	C-C&I	C1b-Lg C&I GasNetv	\$ 10,027
2016	Plan	C-C&I	C5-C&I Statewide M	\$ -
2016	Plan	C-C&I	C7-C&I Statewide Ec	\$ -
2017	Actual	A-Res	A1-Residential Ener	\$ 18,060
2017	Actual	A-Res	A2-Residential Hom	\$ 15,404
2017	Actual	A-Res	A3-Residential Ener	\$ 23,667
2017	Actual	B-LowInc	B1-Low-Income Hor	\$ 27,133
2017	Actual	C-C&I	C1-C&I Lg Business	\$ 26,614
2017	Actual	C-C&I	C2-C&I Sm Business	\$ 52,811
2017	Actual	C-C&I	C7-C&I Education	\$ -
2017	Plan	A-Res	A1-Residential Ener	\$ 9,751
2017	Plan	A-Res	A2-Residential Hom	\$ 11,959
2017	Plan	A-Res	A3-Residential Ener	\$ 11,684
2017	Plan	B-LowInc	B1-Low-Income Hor	\$ 15,280
2017	Plan	C-C&I	C1-C&I Lg Business	\$ 25,167
2016	Plan	C-C&I	C2a-Sm C&I Custom	\$ 4,500
2017	Plan	C-C&I	C2-C&I Sm Business	\$ 16,179
2017	Plan	C-C&I	C7-C&I Statewide Ec	\$ -
2018	Actual	A-Res	A1-Residential Ener	\$ 13,188

2018	Actual	A-Res	A2-Residential Hom	\$	13,820
2018	Actual	A-Res	A3-Residential Ener	\$	22,179
2018	Actual	A-Res	A5-Residential Beha	\$	-
2018	Actual	B-LowInc	B1-Low-Income Hor	\$	25,643
2018	Actual	C-C&I	C1-C&I Lg Business	\$	53,119
2018	Actual	C-C&I	C2-C&I Sm Business	\$	38,020
2018	Actual	C-C&I	C7-C&I Education	\$	-
2018	Plan	A-Res	A1-Residential Ener	\$	10,300
2018	Plan	A-Res	A2-Residential Hom	\$	12,302
2018	Plan	A-Res	A3-Residential Ener	\$	15,626
2018	Plan	A-Res	A5-Residential Beha	\$	3,500
2018	Plan	B-LowInc	B1-Low-Income Hor	\$	16,808
2018	Plan	C-C&I	C1-C&I Lg Business	\$	28,809
2016	Plan	C-C&I	C2b-Sm C&I GasNet	\$	17,239
2018	Plan	C-C&I	C2-C&I Sm Business	\$	18,000
2018	Plan	C-C&I	C7-C&I Statewide Ec	\$	-
2019	Actual	A-Res	A1-Residential Ener	\$	19,560
2019	Actual	A-Res	A2-Residential Hom	\$	20,866
2019	Actual	A-Res	A3-Residential Ener	\$	32,221
2019	Actual	A-Res	A5-Residential Beha	\$	599
2019	Actual	A-Res	A7-Residential State	\$	-
2019	Actual	B-LowInc	B1-Low-Income Hor	\$	38,222
2019	Actual	B-LowInc	B7-Low-Income Stat	\$	-
2019	Actual	C-C&I	C1-C&I Lg Business	\$	72,194
2019	Actual	C-C&I	C2-C&I Sm Business	\$	44,096
2019	Actual	C-C&I	C5-C&I Statewide M	\$	-
2019	Actual	C-C&I	C7-C&I Education	\$	-
2019	Plan	A-Res	A1-Residential Ener	\$	11,330
2019	Plan	A-Res	A2-Residential Hom	\$	13,532
2019	Plan	A-Res	A3-Residential Ener	\$	17,189
2019	Plan	A-Res	A5-Residential Beha	\$	750
2019	Plan	A-Res	A7-Residential State	\$	-
2019	Plan	B-LowInc	B1-Low-Income Hor	\$	21,612
2019	Plan	B-LowInc	B7-Low-Income Stat	\$	-
2019	Plan	C-C&I	C1-C&I Lg Business	\$	31,690
2019	Plan	C-C&I	C2-C&I Sm Business	\$	19,800
2019	Plan	C-C&I	C5-C&I Statewide M	\$	-
2019	Plan	C-C&I	C7-C&I Statewide Ec	\$	-
2020	Actual	A-Res	A1-Residential Ener	\$	19,356
2020	Actual	A-Res	A2-Residential Hom	\$	20,183
2020	Actual	A-Res	A3-Residential Ener	\$	31,456
2020	Actual	A-Res	A5-Residential Beha	\$	-
2020	Actual	A-Res	A7-Residential State	\$	-
2020	Actual	B-LowInc	B1-Low-Income Hor	\$	37,854
2020	Actual	B-LowInc	B7-Low-Income Stat	\$	-
2020	Actual	C-C&I	C1-C&I Lg Business	\$	76,322
2020	Actual	C-C&I	C2-C&I Sm Business	\$	41,783

2020	Actual	C-C&I	C5-C&I Statewide M	\$	-
2020	Actual	C-C&I	C7-C&I Education	\$	-
2020	Plan	A-Res	A1-Residential Ener	\$	13,610
2020	Plan	A-Res	A2-Residential Hom	\$	16,128
2020	Plan	A-Res	A3-Residential Ener	\$	19,164
2020	Plan	A-Res	A5-Residential Beha	\$	3,000
2020	Plan	A-Res	A7-Residential State	\$	-
2020	Plan	B-LowInc	B1-Low-Income Hor	\$	24,554
2020	Plan	B-LowInc	B7-Low-Income Stat	\$	-
2020	Plan	C-C&I	C1-C&I Lg Business	\$	37,760
2020	Plan	C-C&I	C2-C&I Sm Business	\$	23,456
2020	Plan	C-C&I	C5-C&I Statewide M	\$	-
2020	Plan	C-C&I	C7-C&I Statewide Ec	\$	-
2021	Actual	A-Res	A1-Residential Ener	\$	15,250
2021	Actual	A-Res	A2-Residential Hom	\$	11,604
2021	Actual	A-Res	A3-Residential Ener	\$	20,409
2021	Actual	A-Res	A5-Residential Beha	\$	-
2021	Actual	B-LowInc	B1-Low-Income Hor	\$	24,658
2021	Actual	C-C&I	C1-C&I Lg Business	\$	55,649
2021	Actual	C-C&I	C2-C&I Sm Business	\$	34,493
2021	Actual	C-C&I	C7-C&I Education	\$	-
2021	Plan	A-Res	A1-Residential Ener	\$	11,882
2021	Plan	A-Res	A2-Residential Hom	\$	14,208
2021	Plan	A-Res	A3-Residential Ener	\$	16,284
2021	Plan	A-Res	A5-Residential Beha	\$	3,000
2021	Plan	B-LowInc	B1-Low-Income Hor	\$	21,098
2021	Plan	C-C&I	C1-C&I Lg Business	\$	32,000
2021	Plan	C-C&I	C2-C&I Sm Business	\$	20,000
2021	Plan	C-C&I	C7-C&I Statewide Ec	\$	-

Expenses by Category

Plan/Admin Ext	Rebates	Implementation Services	Marketing	Evaluation
\$ 707	\$ 40,308	\$ 40,240	\$ -	\$ 4,758
\$ 5,037	\$ 61,171	\$ 45,890	\$ 753	\$ 2,124
\$ 8,201	\$ 269,687	\$ 40,393	\$ 5,649	\$ 4,828
\$ -	\$ 713	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ 4,260	\$ -
\$ 3,590	\$ -	\$ 1,260	\$ -	\$ -
\$ 5,554	\$ 147,055	\$ 61,902	\$ -	\$ 3,090
\$ 2,828	\$ 150,811	\$ 59,840	\$ 41	\$ 3,862
\$ 707	\$ 72,171	\$ 3,993	\$ 24	\$ 966
\$ 849	\$ 84,874	\$ 20,149	\$ 1,846	\$ 1,159
\$ 5,151	\$ 61,025	\$ 15,054	\$ 1,810	\$ 2,317
\$ -	\$ -	\$ -	\$ 4,615	\$ -
\$ -	\$ -	\$ 2,313	\$ -	\$ -
\$ 800	\$ 32,000	\$ 24,450	\$ 1,000	\$ 5,000
\$ 1,000	\$ 100,000	\$ 35,020	\$ 2,160	\$ 1,080
\$ -	\$ 270,494	\$ 39,383	\$ 2,158	\$ 2,274
\$ -	\$ 2,000	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ 5,000	\$ -
\$ 1,200	\$ -	\$ 10,800	\$ -	\$ -
\$ 2,000	\$ 126,607	\$ 59,388	\$ 3,133	\$ 3,133
\$ 2,000	\$ 165,000	\$ 60,851	\$ 1,915	\$ 17,871
\$ -	\$ 40,110	\$ 9,401	\$ -	\$ 3,134
\$ -	\$ -	\$ -	\$ 7,000	\$ -
\$ -	\$ -	\$ 6,000	\$ -	\$ -
\$ 853	\$ 55,148	\$ 88,115	\$ 2,239	\$ 6,496
\$ 728	\$ 63,305	\$ 35,771	\$ 1,851	\$ 2,879
\$ 3,957	\$ 186,707	\$ 19,601	\$ 3,301	\$ 4,417
\$ 1,282	\$ 139,654	\$ 44,720	\$ 3,260	\$ 5,069
\$ 7,253	\$ 236,437	\$ 97,734	\$ 3,506	\$ 5,081
\$ 10,579	\$ 125,584	\$ 32,211	\$ 9,298	\$ 8,704
\$ -	\$ -	\$ 5,491	\$ 268	\$ -
\$ -	\$ 80,000	\$ 59,545	\$ 3,200	\$ 8,000
\$ -	\$ 80,400	\$ 35,741	\$ 2,500	\$ 6,250
\$ -	\$ 130,000	\$ 48,363	\$ 10,000	\$ 10,000
\$ -	\$ 160,000	\$ 50,069	\$ 3,200	\$ 12,537
\$ -	\$ 283,030	\$ 75,000	\$ 10,000	\$ 20,648
\$ 1,500	\$ 44,250	\$ 18,938	\$ 563	\$ 5,250
\$ -	\$ 162,000	\$ 45,000	\$ 5,000	\$ 13,274
\$ -	\$ -	\$ 11,000	\$ 3,000	\$ 400
\$ 322	\$ 88,054	\$ 103,677	\$ 2,385	\$ 5,448

\$	338	\$	88,396	\$	27,587	\$	3,743	\$	8,718
\$	3,359	\$	260,552	\$	35,131	\$	6,440	\$	17,186
\$	8,599	\$	953	\$	100,811	\$	-	\$	-
\$	628	\$	252,483	\$	52,237	\$	4,654	\$	14,355
\$	989	\$	189,076	\$	93,807	\$	7,814	\$	14,085
\$	3,624	\$	222,973	\$	60,398	\$	6,079	\$	9,176
\$	-	\$	-	\$	5,252	\$	1,386	\$	-
\$	360	\$	29,000	\$	120,740	\$	6,000	\$	7,600
\$	160	\$	30,521	\$	123,300	\$	7,180	\$	9,500
\$	560	\$	38,351	\$	211,000	\$	12,880	\$	15,220
\$	-	\$	4,500	\$	135,000	\$	-	\$	2,100
\$	680	\$	37,050	\$	270,525	\$	3,700	\$	10,767
\$	1,600	\$	55,000	\$	410,979	\$	11,700	\$	26,920
\$	1,000	\$	115,975	\$	17,807	\$	1,567	\$	3,134
\$	640	\$	35,360	\$	225,000	\$	13,200	\$	18,100
\$	-	\$	2,500	\$	10,000	\$	3,000	\$	1,200
\$	587	\$	80,498	\$	52,817	\$	235	\$	5,982
\$	627	\$	123,184	\$	45,155	\$	1,082	\$	6,706
\$	979	\$	315,451	\$	20,790	\$	5,596	\$	9,859
\$	11	\$	6,081	\$	67,065	\$	-	\$	920
\$	-	\$	-	\$	-	\$	11,811	\$	-
\$	1,147	\$	287,733	\$	39,994	\$	-	\$	13,546
\$	-	\$	-	\$	-	\$	6,194	\$	-
\$	2,029	\$	445,202	\$	71,623	\$	794	\$	15,894
\$	1,189	\$	263,111	\$	68,425	\$	3,978	\$	11,550
\$	-	\$	-	\$	-	\$	16,637	\$	-
\$	-	\$	-	\$	5,404	\$	2,095	\$	-
\$	396	\$	87,831	\$	76,883	\$	3,956	\$	8,360
\$	176	\$	107,692	\$	64,489	\$	4,898	\$	10,450
\$	575	\$	199,250	\$	65,054	\$	7,734	\$	19,000
\$	-	\$	77,256	\$	2,750	\$	-	\$	1,000
\$	-	\$	-	\$	-	\$	12,078	\$	-
\$	748	\$	247,468	\$	79,698	\$	2,750	\$	20,000
\$	-	\$	-	\$	-	\$	1,750	\$	-
\$	1,600	\$	411,139	\$	136,124	\$	7,870	\$	29,612
\$	704	\$	251,665	\$	73,947	\$	9,848	\$	19,910
\$	-	\$	-	\$	-	\$	11,172	\$	-
\$	-	\$	-	\$	13,750	\$	1,800	\$	1,320
\$	378	\$	37,700	\$	64,052	\$	147	\$	15,528
\$	394	\$	190,509	\$	42,002	\$	1,645	\$	16,178
\$	614	\$	281,894	\$	29,464	\$	366	\$	25,235
\$	-	\$	-	\$	55,847	\$	-	\$	-
\$	-	\$	-	\$	-	\$	14,320	\$	-
\$	739	\$	295,418	\$	59,859	\$	-	\$	30,371
\$	-	\$	-	\$	-	\$	6,848	\$	-
\$	1,318	\$	214,269	\$	71,415	\$	-	\$	54,201
\$	722	\$	323,236	\$	136,089	\$	-	\$	29,686

\$	-	\$	-	\$	20,396	\$	-
\$	-	\$	-	\$	6,863	\$	1,024
\$	3,500	\$	143,310	\$	31,767	\$	6,500
\$	3,500	\$	146,934	\$	33,080	\$	7,800
\$	3,500	\$	265,211	\$	26,939	\$	8,500
\$	2,400	\$	60,606	\$	2,000	\$	200
\$	-	\$	-	\$	-	\$	14,000
\$	3,600	\$	303,667	\$	45,529	\$	12,000
\$	-	\$	-	\$	-	\$	3,000
\$	15,000	\$	587,485	\$	40,048	\$	14,500
\$	2,096	\$	307,152	\$	36,544	\$	7,600
\$	-	\$	-	\$	-	\$	13,000
\$	-	\$	-	\$	17,067	\$	1,000
\$	161	\$	41,450	\$	51,880	\$	4,011
\$	131	\$	359,705	\$	66,204	\$	3,261
\$	255	\$	271,624	\$	25,867	\$	6,370
\$	-	\$	-	\$	25,317	\$	-
\$	284	\$	275,309	\$	80,760	\$	7,081
\$	453	\$	304,567	\$	50,589	\$	11,680
\$	281	\$	278,219	\$	149,773	\$	7,376
\$	-	\$	-	\$	3,145	\$	588
\$	3,500	\$	143,310	\$	33,495	\$	10,000
\$	3,500	\$	146,934	\$	35,000	\$	12,000
\$	3,500	\$	265,211	\$	29,819	\$	14,800
\$	2,400	\$	60,606	\$	2,000	\$	200
\$	3,600	\$	303,667	\$	48,985	\$	15,000
\$	15,000	\$	587,485	\$	45,808	\$	23,100
\$	2,096	\$	307,152	\$	40,000	\$	12,000
\$	-	\$	-	\$	17,067	\$	1,000

Northern Utilities Inc.
NHPUC Docket No. IR 22-042
2021 Compliance Filing
Order 26,621, 9.vi

Performance Incentives	Total
\$ 6,606	\$ 97,263
\$ 9,123	\$ 134,313
\$ 25,649	\$ 377,621
\$ -	\$ 713
\$ -	\$ 4,260
\$ -	\$ 4,850
\$ 16,652	\$ 249,110
\$ 19,315	\$ 255,269
\$ 6,754	\$ 89,257
\$ 9,368	\$ 123,816
\$ 7,899	\$ 104,400
\$ -	\$ 4,615
\$ -	\$ 2,313
\$ 5,687	\$ 74,437
\$ 12,057	\$ 157,797
\$ 27,754	\$ 362,997
\$ -	\$ 2,000
\$ -	\$ 5,000
\$ -	\$ 12,000
\$ 16,711	\$ 225,595
\$ 21,501	\$ 284,138
\$ 5,131	\$ 67,802
\$ -	\$ 7,000
\$ -	\$ 6,000
\$ 9,012	\$ 179,923
\$ 6,324	\$ 126,261
\$ 12,742	\$ 254,391
\$ 11,660	\$ 232,777
\$ 21,982	\$ 398,607
\$ 13,960	\$ 253,148
\$ -	\$ 5,758
\$ 8,827	\$ 169,323
\$ 7,527	\$ 144,376
\$ 11,553	\$ 221,600
\$ 13,260	\$ 254,345
\$ 23,262	\$ 437,107
\$ 6,140	\$ 81,140
\$ 13,572	\$ 255,024
\$ -	\$ 14,400
\$ 16,957	\$ 230,030

\$	11,348	\$	153,950
\$	27,443	\$	372,291
\$	-	\$	110,362
\$	24,063	\$	374,063
\$	19,854	\$	378,743
\$	18,824	\$	359,095
\$	-	\$	6,638
\$	10,409	\$	184,409
\$	10,945	\$	193,907
\$	17,565	\$	311,202
\$	-	\$	145,100
\$	20,311	\$	359,840
\$	32,037	\$	567,045
\$	12,830	\$	169,553
\$	18,581	\$	328,881
\$	-	\$	16,700
\$	12,069	\$	171,747
\$	14,936	\$	212,556
\$	29,091	\$	413,988
\$	-	\$	74,676
\$	-	\$	11,811
\$	26,186	\$	406,828
\$	-	\$	6,194
\$	36,343	\$	644,080
\$	23,462	\$	415,811
\$	-	\$	16,637
\$	-	\$	7,499
\$	11,738	\$	200,494
\$	12,525	\$	213,762
\$	19,332	\$	328,134
\$	-	\$	81,756
\$	-	\$	12,078
\$	20,571	\$	392,847
\$	-	\$	1,750
\$	34,894	\$	652,929
\$	21,313	\$	397,187
\$	-	\$	11,172
\$	-	\$	16,870
\$	4,423	\$	141,583
\$	8,736	\$	279,646
\$	11,899	\$	380,928
\$	-	\$	55,847
\$	-	\$	14,320
\$	13,680	\$	437,919
\$	-	\$	6,848
\$	13,463	\$	430,989
\$	17,139	\$	548,655

\$	-	\$	20,396
\$	-	\$	7,886
\$	12,781	\$	222,468
\$	13,314	\$	231,757
\$	20,773	\$	361,587
\$	-	\$	69,206
\$	-	\$	14,000
\$	22,715	\$	432,715
\$	-	\$	3,000
\$	41,370	\$	773,163
\$	22,661	\$	423,509
\$	-	\$	13,000
\$	-	\$	18,567
\$	7,007	\$	127,491
\$	26,006	\$	473,198
\$	19,586	\$	356,392
\$	-	\$	25,317
\$	22,727	\$	424,471
\$	25,426	\$	473,091
\$	27,471	\$	511,136
\$	-	\$	3,733
\$	11,725	\$	224,912
\$	12,245	\$	234,888
\$	19,091	\$	366,205
\$	3,806	\$	73,012
\$	22,715	\$	435,715
\$	40,722	\$	781,115
\$	23,310	\$	428,558
\$	-	\$	18,567

Revenue by Category

Plan/Actual	Year	Utility	Sector	Category	Amount
Actual	2016	NU-NH Gas	A-Res	EEC Revenue	\$ 499,557
Actual	2016	NU-NH Gas	A-Res	Interest	\$ (3,348)
Actual	2016	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ (90,233)
Actual	2017	NU-NH Gas	A-Res	EEC Revenue	\$ 616,030
Actual	2017	NU-NH Gas	A-Res	Interest	\$ 1,012
Actual	2017	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ 81,574
Actual	2018	NU-NH Gas	A-Res	EEC Revenue	\$ 889,719
Actual	2018	NU-NH Gas	A-Res	Interest	\$ (782)
Actual	2018	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ 77,804
Actual	2019	NU-NH Gas	A-Res	EEC Revenue	\$ 978,012
Actual	2019	NU-NH Gas	A-Res	Interest	\$ 3,263
Actual	2019	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ 105,968
Actual	2020	NU-NH Gas	A-Res	EEC Revenue	\$ 977,734
Actual	2020	NU-NH Gas	A-Res	Interest	\$ 9,787
Actual	2020	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ 68,152
Actual	2021	NU-NH Gas	A-Res	EEC Revenue	\$ 1,303,461
Actual	2021	NU-NH Gas	A-Res	Interest	\$ (90)
Actual	2021	NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$ 232,675
Actual	2016	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2016	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2016	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2017	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2017	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2017	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2018	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2018	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2018	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2019	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2019	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2019	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2020	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2020	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2020	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2021	NU-NH Gas	B-LowInc	EEC Revenue	\$ -
Actual	2021	NU-NH Gas	B-LowInc	Interest	\$ -
Actual	2021	NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$ -
Actual	2016	NU-NH Gas	C-C&I	EEC Revenue	\$ 730,673
Actual	2016	NU-NH Gas	C-C&I	Interest	\$ (10,052)
Actual	2016	NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$ (86,082)
Actual	2017	NU-NH Gas	C-C&I	EEC Revenue	\$ 762,382

Actual	2017 NU-NH Gas	C-C&I	Interest	\$	(8,332)
Actual	2017 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(43,303)
Actual	2018 NU-NH Gas	C-C&I	EEC Revenue	\$	1,108,683
Actual	2018 NU-NH Gas	C-C&I	Interest	\$	(9,543)
Actual	2018 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	21,476
Actual	2019 NU-NH Gas	C-C&I	EEC Revenue	\$	1,463,452
Actual	2019 NU-NH Gas	C-C&I	Interest	\$	(28,145)
Actual	2019 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(38,884)
Actual	2020 NU-NH Gas	C-C&I	EEC Revenue	\$	1,345,140
Actual	2020 NU-NH Gas	C-C&I	Interest	\$	(641)
Actual	2020 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(192,621)
Actual	2021 NU-NH Gas	C-C&I	EEC Revenue	\$	1,697,817
Actual	2021 NU-NH Gas	C-C&I	Interest	\$	(16,352)
Actual	2021 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	84,659
Planned	2016 NU-NH Gas	A-Res	EEC Revenue	\$	551,073
Planned	2016 NU-NH Gas	A-Res	Interest	\$	(2,999)
Planned	2016 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	(56,608)
Planned	2017 NU-NH Gas	A-Res	EEC Revenue	\$	604,200
Planned	2017 NU-NH Gas	A-Res	Interest	\$	(2,778)
Planned	2017 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	79,142
Planned	2018 NU-NH Gas	A-Res	EEC Revenue	\$	854,499
Planned	2018 NU-NH Gas	A-Res	Interest	\$	(7,486)
Planned	2018 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	37,771
Planned	2019 NU-NH Gas	A-Res	EEC Revenue	\$	986,380
Planned	2019 NU-NH Gas	A-Res	Interest	\$	(8,777)
Planned	2019 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	86,887
Planned	2020 NU-NH Gas	A-Res	EEC Revenue	\$	1,027,805
Planned	2020 NU-NH Gas	A-Res	Interest	\$	(9,147)
Planned	2020 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	48,042
Planned	2021 NU-NH Gas	A-Res	EEC Revenue	\$	1,558,312
Planned	2021 NU-NH Gas	A-Res	Interest	\$	(13,868)
Planned	2021 NU-NH Gas	A-Res	Carryforward Over/(Under) Recovery	\$	72,114
Planned	2016 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2016 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2016 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2017 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2017 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2017 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2018 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2018 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2018 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2019 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2019 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2019 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2020 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2020 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2020 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-

Planned	2021 NU-NH Gas	B-LowInc	EEC Revenue	\$	-
Planned	2021 NU-NH Gas	B-LowInc	Interest	\$	-
Planned	2021 NU-NH Gas	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2016 NU-NH Gas	C-C&I	EEC Revenue	\$	791,654
Planned	2016 NU-NH Gas	C-C&I	Interest	\$	2,928
Planned	2016 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(69,061)
Planned	2017 NU-NH Gas	C-C&I	EEC Revenue	\$	771,700
Planned	2017 NU-NH Gas	C-C&I	Interest	\$	(3,945)
Planned	2017 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(20,576)
Planned	2018 NU-NH Gas	C-C&I	EEC Revenue	\$	1,048,045
Planned	2018 NU-NH Gas	C-C&I	Interest	\$	(8,929)
Planned	2018 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	94,229
Planned	2019 NU-NH Gas	C-C&I	EEC Revenue	\$	1,460,100
Planned	2019 NU-NH Gas	C-C&I	Interest	\$	(17,133)
Planned	2019 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	85,932
Planned	2020 NU-NH Gas	C-C&I	EEC Revenue	\$	1,354,541
Planned	2020 NU-NH Gas	C-C&I	Interest	\$	(14,032)
Planned	2020 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	(73,779)
Planned	2021 NU-NH Gas	C-C&I	EEC Revenue	\$	1,704,516
Planned	2021 NU-NH Gas	C-C&I	Interest	\$	(17,657)
Planned	2021 NU-NH Gas	C-C&I	Carryforward Over/(Under) Recovery	\$	157,004

HEA Projects, By Incentive Level - 2021

	Total Projects	Owner Occupied Home	Renter Occupied Home
\$0-\$9,000	34	2	
\$9,001 - \$12,000	1		1
\$12,001 - \$15,000	0		
\$15,001 +	2	2	

Northern Utilities Inc.
C Docket No. IR 22-042
2021 Compliance Filing
Order 26,621, 9.vii.1

projects benefiting both (Housing Authority Proj)
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HEA Projects, Incentive Above \$15,000 - 2021

Project #	Rebate Amount	Heating System	Tenant	Home Type	Reasons for higher project costs
1	\$ 19,260.41	Y	N	SF	Furnace, Insulation, Water Heater
2	\$ 15,899.59	Y	N	SF	Furnace, Insulation

Other Reports to File:

- 1) 2020 AGA Energy Efficiency Report

Requirement	Tab	Topic	Description
9.i.	9.i.1	GST v TRC	Provide an analysis of the actual performance of each program, using both the GST and the TRCT, in live excel spreadsheets with all assumptions clearly stated, justified, and referenced. For reference, this request is analogous to updating table 10 of the Synapse Report with data delineated as requested.
	9.i.2	Discount rates	Provide an accounting of all of the discount rates used by the Utility, including but not limited to internal capital planning, FERC reporting, federal, state, and local tax, the weighted costs of capital, and energy cost forecasting for 2021 and 2022. For each rate reported, please justify why it is the appropriate measure for that specific instance.
9.ii.	9.ii.1	Plan & Actual Savings	Provide an analysis of the planned and actualized energy efficiency savings, broken out by the program, savings category, and customer class
	9.ii.2	PI - 100% test	As part of this reporting, calculate the estimated annual performance incentive—as both a percentage and aggregate dollars—for each Utility based on the current formula and calculate the performance incentive—as both a percentage and aggregate dollars—if the minimum achievement level was changed from 65%-75% to 100% for each category as outlined in tables 5-1 and 5-2 of the proposed EE Plan (Bates pages 88–89).
9.iii.	9.iii.1	Expenses by State; Contractors	Please report the amount of funding expended on all Energy Efficiency contractors and consultants in 2021 and 2022. Please list the contractors' names, and business addresses, appropriately redacted. Summarize the expenditures by US state and foreign country
	9.iii.2	Projects by Municipalities	For 2021 and 2022, report the amount of energy efficiency funding expended in each New Hampshire municipality. Please include the total spending over this period and the amount expended that cannot be tied back to a project in an NH municipality. Please include the number of projects funded in each NH municipality, number of ratepayers in each municipality, and dollars spent per municipality and per ratepayer in each municipality
	9.iii.3	impact on NH Economy - long term impact	Please comprehensively conduct a study and report on the 2021 and 2022 Plan's long-term impact on the NH economy that quantifies all factors noted in the 2022– 2023 Plan at Bates pages 6 and 7 by properly accounting for discounting that reflects ratepayers' time-preference, and by estimating the energy savings to reflect both the energy intensity and the spillover impacts also associated with future incremental economic activity prompted by the Plan.
9.iv.	9.iv.1	Project Subsidy Level	1. For any energy efficiency project that a ratepayer avails, the column "Subsidy" represents the share of the total cost of the project that is paid for by the utility. Please provide the requested information for all customer projects for program year 2021 and 2022 per the table

9.iv.2	NPV of EE Services Provided at No Cost	Please provide an analysis of energy efficiency and net present value, for all services and equipment provided at no direct cost to the end customer. Separate into logical categories, including low income.
9.v.	9.v Market Barriers - quantification of cost	<p>Please conduct an analysis quantifying, in terms of net present value, the market barriers listed in Tables 2.1 and 3.1 of the proposed EE Plan (Bates Pages 27, 28, 49, and 50)</p> <p>Please report on annual expenditures, on a program-by-program basis broken down by categories including, but not limited to , internal administrative costs, costs associated with external consultants , and costs paid to subsidiaries . Please provide these figures in single tables with annual funding, annual budget , and actual annual spending (including any carryforward funds expended). Provide this data beginning year 2016 up through 2021 in the first filing and through 2022 in the second filing.</p>
9.vi.	9.vi Expenses/Revenues by Category	<p>1. Please report the number of projects which received rebate funding in 2021 and 2022 which fall into the following ranges and to whom the benefits directly accrue (low income ratepayer or landlord) (\$0-\$9k, \$9-\$12k, \$12-\$15k, > \$15k) - add a both for housing authority projects</p>
9.vii.	9.vii.1 HEA Project Incentive Level	<p>Please provide a brief narrative for each project that receives a rebate of over \$15,000. Do not structure program rebates to avoid this additional reporting requirement.</p>
9.vii.2	HEA Projects over \$15K	

This report included in the BC Model.

Discount Rate Summary

	2022	2021	Comment
Customer Contribution Model - Investments			
UES	6.71%	7.18%	After Tax Weighted Cost of Capital
Pension and PBOP			
Plan costs	2.85%	2.50%	Evaluation of both current market conditions and Unitil's Benefit Plan cash flows. Approximately equal to high quality corporate and utility bond interest rate indices and pension yield curves. Per GAAP the discount rate should measure the single amount that, if invested at the measurement date in a portfolio of high-quality debt instruments, would provide the necessary future cash flows to pay the accumulated benefits when due. In other words the assumed discount rate should reflect the rates at which the pension/PBOP
Plan assets	TBD	2.85%	
Operating Lease Obligation	3.70%	3.90%	Weighted average operating lease rate (changes quarterly) based on the rate stated in each lease agreement
Fair Value of Long-Term Debt	4.28%	3.28%	Current debt rate of similar issues - Moody's Baa Utility Bond Average Yield (changes quarterly)

Real Discount Rate = $[(1 + \text{Nominal Discount Rate}) / (1 + \text{Inflation Rate})] - 1$. 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.

This report included in the BC Model.



While the actual results have been modeled to show the impact of different thresholds retroactive applied, three things should be noted. First, the minimum thresholds need to be considered in conjunction with the targets established. Second, once the goals and thresholds are in place, the U must actually perform and sufficiently deliver the results of the programs. Third, it should be noted actually delivering programs in real time under different thresholds could incentivize behavior and outcomes that differ from what is portrayed.

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This report included in the BC Model.

-The Utilities have provided the information as requested, but would like to note that the data provided in and of itself does not fully reflect the impact of the programs at large. While the utilities have not collected this information, nor would it be administratively feasible to collect this information, it is important to consider the following when

-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 outside of New Hampshire whose employees the Utilities contract and work within New Hampshire.

-Contractor and vendor payments are not reflective of the full economic impact of the projects performed. The column labeled 'Rebate Portion of Total Amount' reflects the amounts that flowed through the contractors to customers in the form of cash rebates and/or the cost of procuring and installing energy efficiency measures on customer premises, which necessarily take place within New Hampshire and benefit utilities.

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

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2021 Vendor Expenditures

Line	State/Country	Total Amount	Rebate Portion of Total Amount
1	CA	\$519,871	\$364,662
2	CO	\$1,448	
3	CT	\$943	\$320
4	FL	\$1,165	
5	GA	\$8,180	
6	IL	\$9,272	
7	MA	\$1,318,871	\$1,251,675
8	MD	\$163,317	\$163,317
9	ME	\$1,575	
10	MN	\$16,380	\$3,180
11	NH	\$2,521,574	\$1,349,205
12	NY	\$30,140	
13	ONTARIO	\$3,722	
14	PA	\$48,325	
15	TX	\$120,781	\$49,810
16	VA	\$57,026	\$21,023
17	VT	\$4,900	
18	Grand Total	\$4,827,489	\$3,203,192

2021 List of Vendors

Line	Vendor Name	Street Address	City	State/Country	Zip Code
1			BOSTON	MA	02110
2			SUGAR LAND	TX	77479
3			BOULDER	CO	80302
4			MINNEAPOLIS	MN	55485
5			CANTON	MA	02021
6			AUSTIN	TX	78746
7			FORT WASHINGTON	PA	19034
8			BALTIMORE	MD	21202
9			SALISBURY	MA	01952
10			WOODSTOCK	GA	30188
11			NEEDHAM	MA	02492
12			CHICAGO	IL	60674
13			MEDFORD	MA	02155
14			BOSTON	MA	02284
15			OAKLAND	CA	94612
16			TYSONS	VA	22102
17			TORONTO	CANADA	MSH 1K5
18			DALLAS	TX	75265
19			NAPLES	FL	34103
20			NEPEAN	CANADA	K2H8L2
21			BRADFORD	VT	05033
22			HOLYOKE	MA	01040
23			PITTSBURG	PA	15251
24			HARRISON	ME	04040
25			CANTON	MA	02021
26			REDWOOD SHORES	CA	94065
27			ITHACA	NY	14850
28			QUINCY	MA	02169
29			BOSTON	MA	02284
30			FALL RIVER	MA	02720
31			FRAMINGHAM	MA	01702
32			COLCHESTER	CT	06415
33			CAMBRIDGE	MA	02139
34			COLLINSVILLE	CT	06022
35			PITTSBURGH	PA	15253
36			MONTPELIER	VT	05602

Projects by Municipality - 2021

Municipality	Residential (including Low Income)				Commercial and Industrial				Total	
	Incentives	Participants	Customers	\$/Customer	Incentives	Participants	Customers	\$/Customer	Incentives	Participants
Atkinson	\$ 117,959	105	2,921	\$ 40.38	\$ 3,620.00	5	551	\$ 6.57	\$ 121,579	110
Boscawen	\$ 42,583	29	1,559	\$ 27.31	\$ 16,890.50	13	322	\$ 52.45	\$ 59,473	42
Bow	\$ 122,078	128	2,834	\$ 43.08	\$ 118,871.25	21	792	\$ 150.09	\$ 240,949	149
BRENTWOOD	\$ 2,085	3	24	\$ 86.86			-	\$ -	\$ 2,085	3
Canterbury	\$ 31,083	22	581	\$ 53.50			101	\$ -	\$ 31,083	22
Chichester	\$ 25,782	38	945	\$ 27.28	\$ 55,546.10	10	195	\$ 284.85	\$ 81,328	48
Concord	\$ 1,228,452	360	17,747	\$ 69.22	\$ 1,245,058.21	99	6,332	\$ 196.63	\$ 2,473,510	459
Danville	\$ 33,815	48	1,484	\$ 22.79	\$ 10,516.90	1	146	\$ 72.03	\$ 44,332	49
DUNBARTON	\$ 2,293	8	124	\$ 18.49			6	\$ -	\$ 2,293	8
East Kingston	\$ 29,264	36	1,001	\$ 29.23	\$ 1,200.00	1	170	\$ 7.06	\$ 30,464	37
Epsom	\$ 17,817	32	1,286	\$ 13.85	\$ 93,556.90	15	348	\$ 268.84	\$ 111,373	47
Exeter	\$ 271,027	175	7,226	\$ 37.51	\$ 184,879.58	28	2,093	\$ 88.33	\$ 455,907	203
Hampton	\$ 134,482	232	9,679	\$ 13.89	\$ 237,039.02	35	2,645	\$ 89.62	\$ 371,521	267
HAMPSTEAD	\$ 30	1	99	\$ 0.30			11	\$ -	\$ 30	1
Hampton Falls	\$ 22,290	33	1,061	\$ 21.01	\$ 50,541.45	9	278	\$ 181.80	\$ 72,831	42
KENSINGTON	\$ 69,051	34	896	\$ 77.07	\$ 990.00	1	182	\$ 5.44	\$ 70,041	35
Kingston	\$ 114,049	93	2,631	\$ 43.35	\$ 58,999.22	17	669	\$ 88.19	\$ 173,048	110
LOUDON	\$ 17,328	6	112	\$ 154.71	\$ 12,210.00	2	25	\$ 488.40	\$ 29,538	8
Newton	\$ 75,215	54	2,038	\$ 36.91	\$ 22,234.90	7	357	\$ 62.28	\$ 97,450	61
Plaistow	\$ 80,678	93	3,233	\$ 24.95	\$ 213,758.90	28	1,594	\$ 134.10	\$ 294,437	121
Salisbury	\$ 2,355	9	464	\$ 5.07			40	\$ -	\$ 2,355	9
Seabrook	\$ 84,918	85	4,591	\$ 18.50	\$ 113,476.34	30	1,404	\$ 80.82	\$ 198,395	115
South Hampton	\$ 17,289	15	375	\$ 46.10			82	\$ -	\$ 17,289	15
Stratham	\$ 97,591	148	3,200	\$ 30.50	\$ 100,453.76	13	695	\$ 144.54	\$ 198,045	161
Webster	\$ 1,900	8	387	\$ 4.91			35	\$ -	\$ 1,900	8
mid/upstream rebates	\$ 389,385	71,831		\$ -				\$ -	\$ 389,385	71,831
rebate services total	\$ 619,611			\$ -	\$ 285,256.63			\$ -	\$ 904,868	-

Customers	\$/Customer
3,472	\$ 35.02
1,881	\$ 31.62
3,626	\$ 66.45
24	\$ 86.86
682	\$ 45.58
1,140	\$ 71.34
24,079	\$ 102.72
1,630	\$ 27.20
130	\$ 17.64
1,171	\$ 26.02
1,634	\$ 68.16
9,319	\$ 48.92
12,324	\$ 30.15
110	\$ 0.27
1,339	\$ 54.39
1,078	\$ 64.97
3,300	\$ 52.44
137	\$ 215.61
2,395	\$ 40.69
4,827	\$ 61.00
504	\$ 4.67
5,995	\$ 33.09
457	\$ 37.83
3,895	\$ 50.85
422	\$ 4.50
-	\$ -
-	\$ -

Projects by Subsidy Level - 2021

	Subsidy %	Projects	Total Project Cost	Total Incentive
All Programs	100%	1376	\$ 1,938,054	\$ 1,938,054
	80-99%	119	\$ 541,290	\$ 471,017
	60-79%	260	\$ 1,410,009	\$ 1,027,009
	40-59%	72206	\$ 2,634,566	\$ 1,231,874
	20-39%	473	\$ 2,945,617	\$ 872,153
	1-19%	221	\$ 1,462,298	\$ 177,377

NPV of EE Services Provided at No Cost

Program	Subsidy %	Projects	Total Project Cost	Total Incentive	Avg/Proj	Analysis for 100% Incentive
B1 - Home Energy Assistance	100%	37	\$ 275,355	\$ 275,355	\$ 7,442	HEA projects are done at no cost to the customer.
A2 - Home Performance with Energy Star	100%	58	\$ 49,237	\$ 49,237	\$ 849	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.
A3 - Energy Star Products	100%	355	\$ 17,525	\$ 17,525	\$ 49	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.
A5a - Residential Active Dema	100%	798	\$ 12,555	\$ 12,555	\$ 16	Customers with previously installed batteries or Wi-Fi thermostats are incentivized to participate during peak load days.
C2 - Small Business Energy Sol	100%	6	\$ 15,468	\$ 15,468	\$ 2,578	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. These are all midstream ice machines.

“Internal administrative costs” are reflected in the Cost Table of the Benefit Cost model and reflect internal employee time associated with the administration of the programs. These are distinct from internal implementation costs and, for Eversource and Unitil, also distinct from internal costs associated with marketing and evaluation activities. Report 6, Page 1 shows the plan and actual internal administrative costs by program in program years 2016 through 2021 in the column labeled “Internal Admin Costs”.

For the purposes of this reporting, costs associated with “External Consultants” has been defined as those associated with third party entities that are not directly engaged with the evaluation, marketing or implementation of energy efficiency programs (including education or pilots), but which are retained by the utilities either individually or collectively to support regulatory requirements, planning, or as paid to other parties such as the PUC or OCA as directed by Settlement or PUC Order. Due to the nature of the consulting work, these costs are not directly assigned to individual programs but are allocated among them. For some consultants, the expenses were not specifically budgeted for during planning, which is reflected by \$0 in the relevant fields. These costs are contained in Report 6, Page 1 under the column labeled “External Admin Costs”. All of the Company’s expenses related to energy efficiency originate in Unitil Service Company (“USC”) and are reimbursed by Unitil Energy Systems, Inc (UES).

Regarding Revenues, the Company develops its customer sector budgets based on anticipated revenues and carryforward (or ending balance) from the prior year. These anticipated revenues are comprised of:

- a. SBC revenues, equal to the approved rate x sales forecast by sector (electric programs only)
- b. FCM revenues, based on an estimate of capacity obligation in the relevant program year and the closing \$ / kW for the relevant commitment period (electric programs only)
- c. RGGI revenues, based on an estimate of revenues resulting from the state’s participation as provided by the PUC and subsequently DOE on an annual basis, allocated among the electric utilities based on sales forecasts [Budget? Customer counts?] and to the Municipal and Income Eligible programs based on legislative requirements. (electric programs only)
- d. LDAC revenues, equal to the approved rate(s) x sales forecast by sector (gas programs only)
- e. Interest based on the approved rate and the estimated monthly balance
- f. Contributions to the Income Eligible sector from the C&I and Residential sector revenues

The planned and actual revenues by sector are reflected for program years 2016 – 2021 in Report 9.vi Revenue by Category.

Expenses by Category

Year	Period	Sector	Program	Plan/Admin Int	Plan/Admin Ext	Rebates	Implementation Services	Marketing	Evaluation	Performance Incentives	Total
2016	Actual	A-Res	A1-Residential Ener	\$ 10,016	\$ 895	\$ 74,267	\$ 71,529	\$ -	\$ 10,419	\$ 15,885	\$ 183,011
2016	Actual	A-Res	A2-Residential Horr	\$ 26,710	\$ 7,128	\$ 127,982	\$ 99,882	\$ 753	\$ 5,738	\$ 25,490	\$ 293,684
2016	Actual	A-Res	A3-Residential Ligh	\$ 11,686	\$ 6,234	\$ 130,859	\$ 46,892	\$ 4,998	\$ 2,510	\$ 19,311	\$ 222,490
2016	Actual	A-Res	A4-Residential Ener	\$ 10,016	\$ 3,821	\$ 97,480	\$ 38,310	\$ 3,278	\$ 2,152	\$ 14,737	\$ 169,795
2016	Actual	A-Res	A6-Residential ISO I	\$ -	\$ 3,179	\$ -	\$ 10,849	\$ -	\$ -	\$ -	\$ 14,029
2016	Actual	A-Res	A7-Residential Stat	\$ -	\$ 19,330	\$ -	\$ -	\$ 6,860	\$ -	\$ -	\$ 26,191
2016	Actual	B-Lowinc	B1-Low-Income Ho	\$ 26,710	\$ 6,042	\$ 241,021	\$ 89,818	\$ -	\$ 5,738	\$ 33,410	\$ 402,739
2016	Actual	C-C&I	C1-C&I Large Busin	\$ 41,735	\$ 4,585	\$ 487,380	\$ 139,358	\$ 319	\$ 14,939	\$ 70,475	\$ 758,791
2016	Actual	C-C&I	C2-C&I Municipal S	\$ 16,550	\$ 4,124	\$ 99,351	\$ 11,388	\$ 87	\$ 2,869	\$ 13,758	\$ 148,126
2016	Actual	C-C&I	C3-C&I Small Busin	\$ 26,710	\$ 2,940	\$ 399,976	\$ 63,546	\$ 234	\$ 5,738	\$ 51,106	\$ 550,251
2016	Actual	C-C&I	C5-C&I Education	\$ -	\$ 2,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,620
2016	Actual	C-C&I	C6-C&I ISO FCM Ex	\$ -	\$ 7,000	\$ -	\$ 14,223	\$ -	\$ -	\$ -	\$ 21,223
2016	Actual	C-C&I	C7-C&I Statewide h	\$ -	\$ -	\$ -	\$ -	\$ 7,721	\$ -	\$ -	\$ 7,721
2016	Plan	A-Res	A1-Residential Ener	\$ 11,968	\$ 5,831	\$ 104,047	\$ 37,954	\$ 1,700	\$ 8,500	\$ 13,252	\$ 183,252
2016	Plan	A-Res	A2-Residential Horr	\$ 25,948	\$ 5,006	\$ 286,471	\$ 90,708	\$ 11,226	\$ 25,047	\$ 35,080	\$ 479,487
2016	Plan	A-Res	A3-Residential Ligh	\$ 12,209	\$ 3,102	\$ 110,000	\$ 57,610	\$ 16,579	\$ 10,500	\$ 17,150	\$ 227,150
2016	Plan	A-Res	A4-Residential Ener	\$ 7,000	\$ 2,174	\$ 80,000	\$ 55,028	\$ 3,722	\$ 7,076	\$ 12,473	\$ 167,473
2016	Plan	A-Res	A6-Residential ISO I	\$ -	\$ 7,500	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ 15,000
2016	Plan	A-Res	A7-Residential Stat	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 20,000
2016	Plan	B-Lowinc	B1-Low-Income Ho	\$ -	\$ 23,000	\$ -	\$ 2,000	\$ -	\$ -	\$ -	\$ 25,000
2016	Plan	C-C&I	C1-C&I Large Busin	\$ 50,000	\$ 3,300	\$ 484,869	\$ 123,705	\$ 7,115	\$ 49,051	\$ 55,192	\$ 773,232
2016	Plan	C-C&I	C2-C&I Municipal S	\$ -	\$ 23,000	\$ -	\$ 2,000	\$ -	\$ -	\$ -	\$ 25,000
2016	Plan	C-C&I	C3-C&I Small Busin	\$ -	\$ 7,500	\$ -	\$ 7,500	\$ -	\$ -	\$ -	\$ 15,000
2016	Plan	C-C&I	C5-C&I Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
2016	Plan	C-C&I	C6-C&I ISO FCM Ex	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000
2017	Actual	A-Res	A1-Residential Ener	\$ 12,755	\$ 737	\$ 44,553	\$ 32,485	\$ 1,791	\$ 9,106	\$ 5,347	\$ 106,774
2017	Actual	A-Res	A2-Residential Horr	\$ 29,538	\$ 1,702	\$ 79,165	\$ 91,047	\$ 5,924	\$ 5,314	\$ 11,212	\$ 223,903
2017	Actual	A-Res	A3-Residential Ligh	\$ 19,632	\$ 1,135	\$ 82,378	\$ 43,967	\$ 6,059	\$ 3,545	\$ 6,261	\$ 164,978
2017	Actual	A-Res	A4-Residential Ener	\$ 19,902	\$ 1,150	\$ 103,765	\$ 49,685	\$ 6,095	\$ 3,592	\$ 9,710	\$ 193,899
2017	Actual	A-Res	A6-Residential ISO I	\$ 3,708	\$ 3,417	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,125
2017	Actual	B-Lowinc	B1-Low-Income Ho	\$ 52,895	\$ 3,058	\$ 248,165	\$ 67,418	\$ 7,144	\$ 9,551	\$ 20,246	\$ 408,477
2017	Actual	C-C&I	C1-C&I Large Busin	\$ 64,975	\$ 4,569	\$ 571,827	\$ 81,732	\$ 10,838	\$ 14,267	\$ 48,091	\$ 796,300
2017	Actual	C-C&I	C2-C&I Municipal S	\$ 41,895	\$ 3,604	\$ 291,425	\$ 27,037	\$ 8,680	\$ 14,123	\$ 24,859	\$ 411,622
2017	Actual	C-C&I	C3-C&I Small Busin	\$ 67,335	\$ 3,894	\$ 651,855	\$ 43,283	\$ 7,799	\$ 20,336	\$ 51,067	\$ 845,569
2017	Actual	C-C&I	C5-C&I Education	\$ -	\$ -	\$ -	\$ 14,612	\$ -	\$ -	\$ -	\$ 14,612
2017	Actual	C-C&I	C6-C&I ISO FCM Ex	\$ 4,280	\$ 5,948	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,228
2017	Plan	A-Res	A1-Residential Ener	\$ 6,210	\$ -	\$ 20,000	\$ 95,850	\$ 1,390	\$ 6,550	\$ 7,531	\$ 137,532
2017	Plan	A-Res	A2-Residential Horr	\$ 13,985	\$ -	\$ 52,000	\$ 214,315	\$ 4,950	\$ 14,750	\$ 16,945	\$ 316,945
2017	Plan	A-Res	A3-Residential Ligh	\$ 9,481	\$ -	\$ 26,000	\$ 141,767	\$ 12,752	\$ 10,000	\$ 11,297	\$ 211,297
2017	Plan	A-Res	A4-Residential Ener	\$ 9,481	\$ -	\$ 24,000	\$ 146,793	\$ 12,551	\$ 10,000	\$ 11,297	\$ 214,122
2017	Plan	A-Res	A6-Residential ISO I	\$ 15,000	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,000
2017	Plan	B-Lowinc	B1-Low-Income Ho	\$ 25,657	\$ -	\$ 64,000	\$ 419,200	\$ 2,956	\$ 27,061	\$ 29,638	\$ 568,512
2017	Plan	C-C&I	C1-C&I Large Busin	\$ 37,925	\$ -	\$ 66,000	\$ 645,861	\$ 15,069	\$ 40,000	\$ 45,806	\$ 850,661
2017	Plan	C-C&I	C2-C&I Municipal S	\$ 15,200	\$ 17,500	\$ 104,578	\$ 65,604	\$ 6,000	\$ 10,994	\$ 17,315	\$ 237,191
2017	Plan	C-C&I	C3-C&I Small Busin	\$ 22,591	\$ -	\$ 40,000	\$ 375,546	\$ 14,565	\$ 23,826	\$ 26,813	\$ 503,342
2017	Plan	C-C&I	C5-C&I Education	\$ 32,288	\$ -	\$ 50,000	\$ 551,340	\$ 15,000	\$ 37,460	\$ 39,102	\$ 725,191
2017	Plan	C-C&I	C6-C&I ISO FCM Ex	\$ -	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
2017	Plan	C-C&I	C7-C&I Statewide h	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,820
2018	Actual	A-Res	A1-Residential Ener	\$ 13,820	\$ 476	\$ 87,462	\$ 60,410	\$ 2,316	\$ 5,319	\$ 12,319	\$ 182,122
2018	Actual	A-Res	A2-Residential Horr	\$ 36,096	\$ 1,244	\$ 126,501	\$ 111,026	\$ 8,060	\$ 19,798	\$ 21,962	\$ 324,688
2018	Actual	A-Res	A3-Residential Ligh	\$ 19,663	\$ 678	\$ 126,024	\$ 43,341	\$ 8,864	\$ 13,848	\$ 15,410	\$ 227,827
2018	Actual	A-Res	A4-Residential Ener	\$ 20,994	\$ 724	\$ 199,317	\$ 70,698	\$ 9,437	\$ 14,700	\$ 22,915	\$ 338,785
2018	Actual	A-Res	A5-Residential Beh	\$ 0	\$ 17,610	\$ 1,905	\$ 204,270	\$ -	\$ -	\$ -	\$ 223,785
2018	Actual	A-Res	A6-Residential ISO I	\$ 2,325	\$ 1,617	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,942
2018	Actual	B-Lowinc	B1-Low-Income Ho	\$ 59,330	\$ 2,045	\$ 451,291	\$ 110,792	\$ 9,944	\$ 28,990	\$ 38,960	\$ 701,352
2018	Actual	C-C&I	C1-C&I Large Busin	\$ 86,758	\$ 2,945	\$ 433,592	\$ 146,015	\$ 14,320	\$ 27,523	\$ 49,014	\$ 760,167
2018	Actual	C-C&I	C2-C&I Municipal S	\$ 20,345	\$ 633	\$ 150,756	\$ 41,515	\$ 3,076	\$ 8,554	\$ 15,499	\$ 240,377
2018	Actual	C-C&I	C3-C&I Small Busin	\$ 75,174	\$ 2,256	\$ 633,055	\$ 51,675	\$ 10,971	\$ 26,366	\$ 55,102	\$ 854,601
2018	Actual	C-C&I	C5-C&I Education	\$ -	\$ -	\$ -	\$ 24,596	\$ -	\$ -	\$ -	\$ 27,106
2018	Actual	C-C&I	C6-C&I ISO FCM Ex	\$ 2,434	\$ 5,295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,729
2018	Plan	A-Res	A1-Residential Ener	\$ 9,304	\$ 2,750	\$ 68,770	\$ 70,876	\$ 4,300	\$ 8,804	\$ 9,107	\$ 173,811
2018	Plan	A-Res	A2-Residential Horr	\$ 20,922	\$ 588	\$ 254,912	\$ 118,567	\$ 12,521	\$ 22,490	\$ 24,286	\$ 454,286
2018	Plan	A-Res	A3-Residential Ligh	\$ 10,456	\$ 450	\$ 141,000	\$ 54,805	\$ 14,477	\$ 13,000	\$ 12,902	\$ 247,090
2018	Plan	A-Res	A4-Residential Ener	\$ 14,608	\$ -	\$ 148,677	\$ 64,326	\$ 10,502	\$ 11,887	\$ 13,661	\$ 263,661
2018	Plan	A-Res	A5-Residential Beh	\$ 2,441	\$ -	\$ 160,000	\$ 122,000	\$ -	\$ 2,543	\$ 15,938	\$ 302,922
2018	Plan	A-Res	A6-Residential ISO I	\$ 13,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000
2018	Plan	B-Lowinc	B1-Low-Income Ho	\$ 33,675	\$ 1,489	\$ 483,565	\$ 147,895	\$ 11,865	\$ 28,147	\$ 38,865	\$ 745,501
2018	Plan	C-C&I	C1-C&I Large Busin	\$ 61,334	\$ 2,250	\$ 667,750	\$ 212,376	\$ 24,880	\$ 49,410	\$ 56,930	\$ 1,074,930
2018	Plan	C-C&I	C2-C&I Municipal S	\$ 13,283	\$ -	\$ 135,000	\$ 52,965	\$ 6,611	\$ 11,019	\$ 12,525	\$ 231,403
2018	Plan	C-C&I	C3-C&I Small Busin	\$ 35,000	\$ 2,000	\$ 327,250	\$ 68,000	\$ 4,550	\$ 18,200	\$ 35,712	\$ 490,713
2018	Plan	C-C&I	C5-C&I Education	\$ -	\$ -	\$ 569,000	\$ 116,522	\$ 17,444	\$ 37,220	\$ 44,405	\$ 824,161
2018	Plan	C-C&I	C6-C&I ISO FCM Ex	\$ 15,165	\$ 1,000	\$ -	\$ -	\$ 4,000	\$ 4,169	\$ -	\$ 37,369
2018	Plan	C-C&I	C7-C&I Statewide h	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,165
2019	Actual	A-Res	A1-Residential Ener	\$ 17,240	\$ 215	\$ 116,351	\$ 114,828	\$ 1,138	\$ 5,732	\$ 17,082	\$ 272,585
2019	Actual	A-Res	A2-Residential Horr	\$ 59,111	\$ 902	\$ 264,934	\$ 161,239	\$ 3,522	\$ 18,650	\$ 33,987	\$ 542,347
2019	Actual	A-Res	A3-Residential Ligh	\$ 24,571	\$ 307	\$ 185,965	\$ 45,293	\$ 1,689	\$ 7,518	\$ 17,740	\$ 283,082
2019	Actual	A-Res	A4-Residential Ener	\$ 27,231	\$ 352	\$ 294,426	\$ 73,976	\$ 2,619	\$ 8,345	\$ 27,207	\$ 434,156
2019	Actual	A-Res	A5-Residential Beh	\$ 947	\$ 22	\$ 14,767	\$ 149,926	\$ -	\$ 2,039	\$ -	\$ 167,701
2019	Actual	A-Res	A6-Residential ISO I	\$ 4,422	\$ 4,773	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,194
2019	Actual	A-Res	A7-Residential Stat	\$ -	\$ -	\$ -	\$ -	\$ 24,488	\$ -	\$ -	\$ 24,488
2019	Actual	B-Lowinc	B1-Low-Income Ho	\$ 82,231	\$ 1,120	\$ 642,145	\$ 234,867	\$ 15,197	\$ 28,844	\$ 58,662	\$ 1,063,068
2019	Actual	C-C&I	C1-C&I Large Busin	\$ 120,208	\$ 1,744	\$ 945,226	\$ 154,356	\$ 18	\$ 34,619	\$ 76,397	\$ 1,332,568
2019	Actual	C-C&I	C2-C&I Municipal S	\$ 21,354	\$ 179	\$ 184,346	\$ 49,012	\$ 487	\$ 8,806	\$ 16,067	\$ 280,251
2019	Actual	C-C&I	C3-C&I Small Busin	\$ 89,587	\$ 1,088	\$ 708,446	\$ 91,362	\$ 367	\$ 27,612	\$ 55,858	\$ 974,321
2019	Actual	C-C&I	C4-C&I Active Dem	\$ -	\$ -	\$ 45,885	\$ 4,827	\$ -	\$ 3,213	\$ -	\$ 53,925
2019	Actual	C-C&I	C5-C&I Education	\$ -	\$ -	\$ -	\$ 17,063	\$ 3,305	\$ -	\$ -	\$ 20,368
2019	Actual	C-C&I	C6-C&I ISO FCM Ex	\$ 5,686	\$ 11,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,898
2019	Actual	C-C&I	C7-C&I Statewide h	\$ -	\$ -	\$ -	\$ -	\$ 41,276	\$ -	\$ -	\$ 41,276
2019	Plan	A-Res	A1-Residential Ener	\$ 12,000	\$ 3,500	\$ 84,776	\$ 83,347	\$ 6,420	\$ 12,740	\$ 11,395	\$ 214,179
2019	Plan	A-Res	A2-Residential Horr	\$ 27,500	\$ -	\$ 437,073	\$ 165,671	\$ 26,627	\$ 34,829	\$ 38,933	\$ 730,633
2019	Plan	A-Res	A3-Residential Ligh	\$ 11,997	\$ 450	\$ 180,250	\$ 61,564	\$ 13,530	\$ 19,165	\$ 16,143	\$ 303,098
2019	Plan	A-Res	A4-Residential Ener	\$ 16,873	\$ -	\$ 191,525	\$ 84,184	\$ 9,298	\$ 18,320	\$ 18,042	\$ 338,242
2019	Plan	A-Res	A5-Residential Beh	\$ 7,500	\$ -	\$ 160,000	\$ 5,114	\$ -	\$ 12,371	\$ 10,445	\$ 195,430
2019	Plan	A-Res	A6-Residential ISO I	\$ 12,500	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,500
2019	Plan	A-Res	A7-Residential Stat	\$ -	\$ -	\$ -	\$ -	\$ 26,400	\$ -	\$ -	\$ 26,400
2019	Plan	B-Lowinc	B1-Low-Income Ho	\$ 37,296	\$ 7,869	\$ 628,968	\$ 241,595	\$ 16,319	\$ 40,247	\$ 53,905	\$ 1,026,199
2019	Plan	C-C&I	C1-C&I Large Busin	\$ 67,467	\$ 2,250	\$ 811,894	\$ 280,698	\$ 22,478	\$ 61,972	\$ 73,485	\$ 1,320,244
2019	Plan	C-C&I	C2-C&I Municipal S	\$ 13,283	\$ -	\$ 135,000	\$ 54,729	\$ 4,211	\$ 11,019	\$ 13,227	\$ 231,470

2019	Plan	C-C&I	C3-C&I Small Busin	\$ 50,809	\$ 1,710	\$ 700,000	\$ 173,575	\$ 21,191	\$ 51,318	\$ 60,257	\$ 1,058,860
2019	Plan	C-C&I	C4-C&I Active Dem	-	-	64,698	19,691	4,688	-	-	93,765
2019	Plan	C-C&I	C5-C&I Education	-	-	-	61,892	2,800	4,317	-	69,009
2019	Plan	C-C&I	C6-C&I ISO FCM Ex	18,990	1,000	-	-	-	-	-	19,990
2019	Plan	C-C&I	C7-C&I Statewide h	-	-	-	-	25,800	-	-	25,800
2020	Actual	A-Res	A1-Residential Ener	24,004	533	124,887	100,140	1,440	20,096	19,587	290,687
2020	Actual	A-Res	A2-Residential Act	4,082	8,085	7,460	22,838	18,408	-	-	60,873
2020	Actual	A-Res	A2-Residential Horr	40,761	953	578,331	220,461	2,652	36,893	63,584	943,635
2020	Actual	A-Res	A3-Residential Ligh	23,651	426	412,772	36,849	1,663	16,439	35,533	527,333
2020	Actual	A-Res	A4-Residential Ener	39,337	808	453,522	81,741	32,316	30,532	46,114	684,369
2020	Actual	A-Res	A5-Residential Beh	-	-	-	129,199	-	529	-	129,728
2020	Actual	A-Res	A6-Residential ISO I	1,687	6,063	-	-	-	-	-	7,749
2020	Actual	A-Res	A7-Residential Stat	-	-	-	-	36,513	-	-	36,513
2020	Actual	B-Lowinc	B1-Low-Income Hoi	75,848	1,614	867,053	163,746	-	61,919	78,071	1,248,251
2020	Actual	B-Lowinc	B7-Low Income Sta	-	-	-	-	21,636	-	-	21,636
2020	Actual	C-C&I	C1-C&I Large Busin	100,553	1,975	1,207,488	124,426	99	75,473	105,973	1,615,986
2020	Actual	C-C&I	C2-C&I Municipal S	17,205	306	156,158	69,350	-	11,737	17,879	272,635
2020	Actual	C-C&I	C3-C&I Small Busin	96,386	1,893	1,230,660	102,124	-	71,527	105,452	1,608,042
2020	Actual	C-C&I	C4-C&I Active Dem	-	-	120,182	10,048	2,104	7,351	-	139,684
2020	Actual	C-C&I	C5-C&I Education	-	-	-	18,857	1,628	-	-	20,485
2020	Actual	C-C&I	C6-C&I ISO FCM Ex	2,575	14,375	-	-	-	-	-	16,950
2020	Actual	C-C&I	C7-C&I Statewide h	-	-	-	-	56,026	-	-	56,026
2020	Plan	A-Res	A1-Residential Ener	14,850	4,331	287,640	90,000	11,300	25,000	25,696	458,817
2020	Plan	A-Res	A2-Residential Act	12,050	-	50,000	25,050	30,000	5,000	-	122,100
2020	Plan	A-Res	A2-Residential Horr	40,000	6,342	530,728	120,000	22,700	54,734	45,682	820,186
2020	Plan	A-Res	A3-Residential Ligh	18,469	8,000	219,290	50,000	15,900	35,000	21,413	368,072
2020	Plan	A-Res	A4-Residential Ener	37,162	10,000	506,626	50,000	18,100	35,000	39,972	696,860
2020	Plan	A-Res	A5-Residential Beh	6,113	-	140,060	4,168	3,000	443	9,993	143,777
2020	Plan	A-Res	A6-Residential ISO I	5,000	8,000	-	-	-	13,500	-	26,500
2020	Plan	A-Res	A7-Residential Stat	-	-	-	-	82,000	-	-	82,000
2020	Plan	B-Lowinc	B1-Low-Income Hoi	54,700	55,000	947,926	160,000	37,000	55,505	74,422	1,384,553
2020	Plan	B-Lowinc	B5-Low Income Sta	-	-	-	-	43,000	-	-	43,000
2020	Plan	C-C&I	C1-C&I Large Busin	74,585	3,072	1,228,822	185,264	23,357	90,000	100,185	1,705,284
2020	Plan	C-C&I	C2-C&I Municipal S	13,032	-	179,082	25,115	19,000	13,000	14,610	263,840
2020	Plan	C-C&I	C3-C&I Small Busin	70,000	3,981	1,190,162	161,287	28,000	85,000	93,923	1,632,353
2020	Plan	C-C&I	C4-C&I Active Dem	11,500	-	175,000	11,000	18,343	11,500	-	227,343
2020	Plan	C-C&I	C5-C&I Education	-	-	-	60,973	10,000	3,812	-	74,785
2020	Plan	C-C&I	C6-C&I ISO FCM Ex	5,000	5,000	-	-	-	15,000	-	25,000
2020	Plan	C-C&I	C7-C&I Statewide h	-	-	-	-	75,000	-	-	75,000
2021	Actual	A-Res	A1-Residential Ener	20,801	223	46,485	83,305	6,009	9,014	11,457	177,294
2021	Actual	A-Res	A2-Residential Act	6,115	-	21,023	40,611	-	-	-	67,749
2021	Actual	A-Res	A2-Residential Horr	19,929	263	779,411	169,645	7,273	10,629	68,197	1,055,346
2021	Actual	A-Res	A3-Residential Ligh	30,054	368	385,889	36,399	10,063	14,852	32,997	510,622
2021	Actual	A-Res	A4-Residential Ener	29,373	413	421,441	84,635	13,050	16,680	39,074	604,665
2021	Actual	A-Res	A5-Residential Beh	-	-	-	163,736	-	-	-	163,736
2021	Actual	A-Res	A6-Residential ISO I	-	-	-	-	-	5,048	-	5,759
2021	Actual	B-Lowinc	B1-Low-Income Hoi	66,780	845	1,423,361	180,223	25,326	34,122	107,906	1,838,562
2021	Actual	C-C&I	C1-C&I Large Busin	98,823	1,164	1,218,101	119,309	32,024	60,562	101,050	1,631,034
2021	Actual	C-C&I	C2-C&I Municipal S	10,628	105	170,569	34,353	3,557	4,259	14,759	238,231
2021	Actual	C-C&I	C3-C&I Small Busin	85,807	1,011	1,151,238	168,054	27,943	40,848	97,412	1,572,312
2021	Actual	C-C&I	C4-C&I Active Dem	-	-	163,317	5,633	-	-	-	168,950
2021	Actual	C-C&I	C5-C&I Education	-	-	-	10,393	1,861	-	-	12,254
2021	Actual	C-C&I	C6-C&I ISO FCM Ex	-	711	-	-	-	9,499	-	10,210
2021	Plan	A-Res	A1-Residential Ener	14,850	4,331	287,640	90,000	25,000	25,000	19,478	466,299
2021	Plan	A-Res	A2-Residential Act	12,050	-	50,000	25,050	30,000	5,000	-	122,100
2021	Plan	A-Res	A2-Residential Horr	40,000	6,342	530,728	120,000	50,000	54,734	34,952	836,757
2021	Plan	A-Res	A3-Residential Ligh	18,469	8,000	219,290	50,000	35,000	35,000	15,944	381,703
2021	Plan	A-Res	A4-Residential Ener	37,162	10,000	506,626	50,000	40,000	35,000	29,590	708,378
2021	Plan	A-Res	A5-Residential Beh	6,113	-	140,060	4,168	3,000	443	-	153,784
2021	Plan	A-Res	A6-Residential ISO I	-	13,000	-	-	-	13,500	-	26,500
2021	Plan	B-Lowinc	B1-Low-Income Hoi	54,700	55,000	947,926	160,000	80,000	55,505	58,540	1,411,670
2021	Plan	C-C&I	C1-C&I Large Busin	74,585	3,072	1,228,822	185,264	50,357	90,000	78,020	1,710,119
2021	Plan	C-C&I	C2-C&I Municipal S	13,032	-	179,082	25,115	35,000	13,000	12,679	277,909
2021	Plan	C-C&I	C3-C&I Small Busin	70,000	3,981	1,190,162	161,287	60,000	85,000	75,072	1,645,502
2021	Plan	C-C&I	C4-C&I Active Dem	11,500	-	175,000	11,000	18,343	11,500	-	227,343
2021	Plan	C-C&I	C5-C&I Education	-	-	-	60,973	10,000	3,812	-	74,785
2021	Plan	C-C&I	C6-C&I ISO FCM Ex	-	10,000	-	-	-	15,000	-	25,000

Revenue by Category

Plan/Actual	Year	Utility	Sector	Category	Amount
Actual	2016	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 705,514
Actual	2016	UES Electric	A-Res	FCM Proceeds	\$ 81,930
Actual	2016	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2016	UES Electric	A-Res	Interest	\$ (12,089)
Actual	2016	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (337,745)
Actual	2017	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 769,616
Actual	2017	UES Electric	A-Res	FCM Proceeds	\$ 162,501
Actual	2017	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2017	UES Electric	A-Res	Interest	\$ (12,460)
Actual	2017	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (222,804)
Actual	2018	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 1,114,501
Actual	2018	UES Electric	A-Res	FCM Proceeds	\$ 252,026
Actual	2018	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2018	UES Electric	A-Res	Interest	\$ (27,553)
Actual	2018	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (451,767)
Actual	2019	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 1,449,701
Actual	2019	UES Electric	A-Res	FCM Proceeds	\$ 251,632
Actual	2019	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2019	UES Electric	A-Res	Interest	\$ (39,078)
Actual	2019	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (543,687)
Actual	2020	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 2,161,061
Actual	2020	UES Electric	A-Res	FCM Proceeds	\$ 200,852
Actual	2020	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2020	UES Electric	A-Res	Interest	\$ (29,857)
Actual	2020	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (568,484)
Actual	2021	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$ 2,202,115
Actual	2021	UES Electric	A-Res	FCM Proceeds	\$ 169,567
Actual	2021	UES Electric	A-Res	RGGI Proceeds	\$ -
Actual	2021	UES Electric	A-Res	Interest	\$ (3,029)
Actual	2021	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$ (339,744)
Actual	2016	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$ 421,816
Actual	2016	UES Electric	B-LowInc	FCM Proceeds	\$ -
Actual	2016	UES Electric	B-LowInc	RGGI Proceeds	\$ 46,773
Actual	2016	UES Electric	B-LowInc	Interest	\$ (2,831)
Actual	2016	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$ (65,704)
Actual	2017	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$ 476,852
Actual	2017	UES Electric	B-LowInc	FCM Proceeds	\$ -
Actual	2017	UES Electric	B-LowInc	RGGI Proceeds	\$ 43,645

Actual	2017 UES Electric	B-LowInc	Interest	\$	(6,161)
Actual	2017 UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	(128,138)
Actual	2018 UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	683,090
Actual	2018 UES Electric	B-LowInc	FCM Proceeds	\$	-
Actual	2018 UES Electric	B-LowInc	RGGI Proceeds	\$	54,107
Actual	2018 UES Electric	B-LowInc	Interest	\$	(13,415)
Actual	2018 UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	(237,235)
Actual	2019 UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	841,466
Actual	2019 UES Electric	B-LowInc	FCM Proceeds	\$	-
Actual	2019 UES Electric	B-LowInc	RGGI Proceeds	\$	51,807
Actual	2019 UES Electric	B-LowInc	Interest	\$	(28,391)
Actual	2019 UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	(287,587)
Actual	2020 UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	1,230,986
Actual	2020 UES Electric	B-LowInc	FCM Proceeds	\$	-
Actual	2020 UES Electric	B-LowInc	RGGI Proceeds	\$	48,341
Actual	2020 UES Electric	B-LowInc	Interest	\$	(15,120)
Actual	2020 UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	(147,089)
Actual	2021 UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	1,279,377
Actual	2021 UES Electric	B-LowInc	FCM Proceeds	\$	-
Actual	2021 UES Electric	B-LowInc	RGGI Proceeds	\$	56,275
Actual	2021 UES Electric	B-LowInc	Interest	\$	(3,627)
Actual	2021 UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	(194,470)
Actual	2016 UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,018,239
Actual	2016 UES Electric	C-C&I	FCM Proceeds	\$	191,171
Actual	2016 UES Electric	C-C&I	RGGI Proceeds	\$	208,815
Actual	2016 UES Electric	C-C&I	Interest	\$	(19,071)
Actual	2016 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(596,015)
Actual	2017 UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,096,629
Actual	2017 UES Electric	C-C&I	FCM Proceeds	\$	379,168
Actual	2017 UES Electric	C-C&I	RGGI Proceeds	\$	237,937
Actual	2017 UES Electric	C-C&I	Interest	\$	(21,350)
Actual	2017 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(541,280)
Actual	2018 UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,524,966
Actual	2018 UES Electric	C-C&I	FCM Proceeds	\$	588,061
Actual	2018 UES Electric	C-C&I	RGGI Proceeds	\$	224,794
Actual	2018 UES Electric	C-C&I	Interest	\$	(31,697)
Actual	2018 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(213,209)
Actual	2019 UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,997,824
Actual	2019 UES Electric	C-C&I	FCM Proceeds	\$	587,140
Actual	2019 UES Electric	C-C&I	RGGI Proceeds	\$	236,010
Actual	2019 UES Electric	C-C&I	Interest	\$	(45,420)
Actual	2019 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(671,381)
Actual	2020 UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	2,657,803
Actual	2020 UES Electric	C-C&I	FCM Proceeds	\$	468,654
Actual	2020 UES Electric	C-C&I	RGGI Proceeds	\$	229,322
Actual	2020 UES Electric	C-C&I	Interest	\$	(41,670)
Actual	2020 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(438,614)

Actual	2021	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	2,762,103
Actual	2021	UES Electric	C-C&I	FCM Proceeds	\$	395,656
Actual	2021	UES Electric	C-C&I	RGGI Proceeds	\$	226,372
Actual	2021	UES Electric	C-C&I	Interest	\$	(22,221)
Actual	2021	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	(173,264)
Planned	2016	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	731,531
Planned	2016	UES Electric	A-Res	FCM Proceeds	\$	93,840
Planned	2016	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2016	UES Electric	A-Res	Interest	\$	(7,264)
Planned	2016	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2017	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	777,492
Planned	2017	UES Electric	A-Res	FCM Proceeds	\$	120,000
Planned	2017	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2017	UES Electric	A-Res	Interest	\$	(2,514)
Planned	2017	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2018	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	1,091,048
Planned	2018	UES Electric	A-Res	FCM Proceeds	\$	150,000
Planned	2018	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2018	UES Electric	A-Res	Interest	\$	-
Planned	2018	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2019	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	1,548,710
Planned	2019	UES Electric	A-Res	FCM Proceeds	\$	195,000
Planned	2019	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2019	UES Electric	A-Res	Interest	\$	-
Planned	2019	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2020	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	2,058,728
Planned	2020	UES Electric	A-Res	FCM Proceeds	\$	223,814
Planned	2020	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2020	UES Electric	A-Res	Interest	\$	-
Planned	2020	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2021	UES Electric	A-Res	EEC Revenue Net of LI Funding	\$	2,044,877
Planned	2021	UES Electric	A-Res	FCM Proceeds	\$	168,524
Planned	2021	UES Electric	A-Res	RGGI Proceeds	\$	-
Planned	2021	UES Electric	A-Res	Interest	\$	(9,753)
Planned	2021	UES Electric	A-Res	Carryforward Over/(Under) Recovery	\$	-
Planned	2016	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	438,796
Planned	2016	UES Electric	B-LowInc	FCM Proceeds	\$	-
Planned	2016	UES Electric	B-LowInc	RGGI Proceeds	\$	52,897
Planned	2016	UES Electric	B-LowInc	Interest	\$	(412)
Planned	2016	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2017	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	456,552
Planned	2017	UES Electric	B-LowInc	FCM Proceeds	\$	-
Planned	2017	UES Electric	B-LowInc	RGGI Proceeds	\$	56,004
Planned	2017	UES Electric	B-LowInc	Interest	\$	(2,340)
Planned	2017	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2018	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	619,553
Planned	2018	UES Electric	B-LowInc	FCM Proceeds	\$	-

Planned	2018	UES Electric	B-LowInc	RGGI Proceeds	\$	53,527
Planned	2018	UES Electric	B-LowInc	Interest	\$	-
Planned	2018	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2019	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	773,348
Planned	2019	UES Electric	B-LowInc	FCM Proceeds	\$	-
Planned	2019	UES Electric	B-LowInc	RGGI Proceeds	\$	51,239
Planned	2019	UES Electric	B-LowInc	Interest	\$	-
Planned	2019	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2020	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	1,278,237
Planned	2020	UES Electric	B-LowInc	FCM Proceeds	\$	-
Planned	2020	UES Electric	B-LowInc	RGGI Proceeds	\$	49,363
Planned	2020	UES Electric	B-LowInc	Interest	\$	-
Planned	2020	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2021	UES Electric	B-LowInc	EEC Revenue Net of LI Funding	\$	1,926,456
Planned	2021	UES Electric	B-LowInc	FCM Proceeds	\$	-
Planned	2021	UES Electric	B-LowInc	RGGI Proceeds	\$	56,687
Planned	2021	UES Electric	B-LowInc	Interest	\$	(4,594)
Planned	2021	UES Electric	B-LowInc	Carryforward Over/(Under) Recovery	\$	-
Planned	2016	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,033,223
Planned	2016	UES Electric	C-C&I	FCM Proceeds	\$	218,960
Planned	2016	UES Electric	C-C&I	RGGI Proceeds	\$	236,366
Planned	2016	UES Electric	C-C&I	Interest	\$	(354)
Planned	2016	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
Planned	2017	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,127,917
Planned	2017	UES Electric	C-C&I	FCM Proceeds	\$	280,000
Planned	2017	UES Electric	C-C&I	RGGI Proceeds	\$	232,504
Planned	2017	UES Electric	C-C&I	Interest	\$	(11,459)
Planned	2017	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
Planned	2018	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,564,751
Planned	2018	UES Electric	C-C&I	FCM Proceeds	\$	350,000
Planned	2018	UES Electric	C-C&I	RGGI Proceeds	\$	230,917
Planned	2018	UES Electric	C-C&I	Interest	\$	-
Planned	2018	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
Planned	2019	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	1,783,472
Planned	2019	UES Electric	C-C&I	FCM Proceeds	\$	455,000
Planned	2019	UES Electric	C-C&I	RGGI Proceeds	\$	232,778
Planned	2019	UES Electric	C-C&I	Interest	\$	-
Planned	2019	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
Planned	2020	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	2,892,650
Planned	2020	UES Electric	C-C&I	FCM Proceeds	\$	522,233
Planned	2020	UES Electric	C-C&I	RGGI Proceeds	\$	234,193
Planned	2020	UES Electric	C-C&I	Interest	\$	-
Planned	2020	UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
Planned	2021	UES Electric	C-C&I	EEC Revenue Net of LI Funding	\$	4,381,152
Planned	2021	UES Electric	C-C&I	FCM Proceeds	\$	393,222
Planned	2021	UES Electric	C-C&I	RGGI Proceeds	\$	228,000
Planned	2021	UES Electric	C-C&I	Interest	\$	(11,204)

Planned	2021 UES Electric	C-C&I	Carryforward Over/(Under) Recovery	\$	-
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HEA Projects, By Incentive Level - 2021

	Total Projects	Owner Occupied Home	Renter Occupied Home	# projects benefiting both (Housing Authority Proj)
\$0-\$9,000	136	20		116
\$9,001 - \$12,000	5	4	1	
\$12,001 - \$15,000	9	9		
\$15,001 +	9	9		

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 - 2021

Project #	Rebate Amount	Heating System	Tenant	Home Type	Reasons for higher project costs
1	\$ 16,588.00	Y	N	SF	Boiler
2	\$ 16,789.32	Y	N	Mobile	Furnace, Insulation, Water Heater
3	\$ 17,036.02	Y	N	SF	Boiler, Insulation
4	\$ 15,466.03	Y	N	Mobile	Furnace, Insulation, Window
5	\$ 16,579.28	Y	N	Duplex	Furnace, Insulation, Door
6	\$ 16,066.16	Y	N	Mobile	Boiler, Insulation
7	\$ 19,238.32	Y	N	SF	Boiler, Insulation
8	\$ 16,451.01	N	N	Unknown	Insulation, HVAC repair
9	\$ 15,856.23	Y	N	SF	Furnace, Insulation

Other Reports to File:

- 1) 2021 EIA 861 Energy Efficiency Report
- 2) 2021 ISO FCM M&V Certification Report
- 3) 2021 ISO Forecast EE Report

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 1 - INSTRUCTIONS

Northern Utilities D/B/A Unitil - New Hampshire

2021 NATURAL GAS EFFICIENCY PROGRAMS SURVEY - 2020 PROGRAM YEAR

Purpose: By means of this questionnaire, we seek to improve our understanding of ratepayer-funded natural gas efficiency programs, their costs and associated energy savings, and the regulatory environment in which they operate. AGA's goal is to provide a timely picture to the general public, regulators and other policy makers of what utilities are doing to promote ratepayer-funded natural gas efficiency in the United States and Canada.

Availability and Distribution: The information sought in this survey is generally at a high level and should not require any new analysis on the part of responding utilities. AGA will incorporate the survey findings into two or more energy efficiency briefs covering the following topics: 1) Investments and Savings and 2) Regulatory Frameworks. The briefs will present aggregated company responses to individual questions and demonstrate the contributions made by natural gas utilities toward energy efficiency. These briefs—which will be distributed to survey participants upon completion and made available to the public—will list all participating companies by name and state. The appendices of the first brief will include **2019 expenditure and 2020 budget data** (aggregated at the state and regional levels and nationally for Canada) and energy savings data (aggregated by four U.S. census regions and for Canada). The energy efficiency briefs also serve as a tool in furtherance of AGA's 501(c) (6) tax exempt activities.

Data Use: The data collected in Sections 1 and 2 of this survey will be disclosed to the Consortium of Energy Efficiency (CEE) at the company level, and they have stated that they will keep company-specific data confidential. CEE will incorporate data in Section 2 into its annual State of the Efficiency Industry Report (part I) and the *Efficiency Program Industry by State and Region Appendices*. CEE intends to use data collected and disclosed by AGA at the following levels:

- Current year budget data approved or filed with state regulators and prior year expenditure data by customer segment at the state level or higher. (Generally, these data are already filed with public service commissions.)
- Prior year energy savings data by customer segment, reported in aggregate by four U.S. census regions and nationally for Canada.

AGA will not share company-specific data with third-parties other than CEE. AGA intends to make gas energy efficiency data more easily accessible to its members through a database on the AGA Members Only site at the following levels:

- Prior year expenditures data and current year budget data by company, state, and customer segment.
- Prior year energy savings data by customer segment, reported in aggregate by the four U.S. census regions and nationally for Canada.

Notices: Survey participants should review AGA Antitrust Guidelines prior to any response or discussion, and no information shall be disseminated or discussed that violates those guidelines (<http://www.aga.org/antitrust>). Please refrain from exchanging competitively sensitive company-specific information, such as price, cost, terms and conditions of sale or capacity, and business strategies or future plans. Survey participants should not make disparaging remarks or recommendations for or against any product or service of a particular manufacturer or service provider. Address any questions to your legal counsel or AGA's general counsel (202-824-7072; gco@aga.org).

SURVEY DEADLINE: FRIDAY, October 22, 2021

Please confirm your intention to participate in this year's survey by **FRIDAY, October 8th, 2021** (sgheewala@aga.org).

Thank you in advance for your time and effort!

Survey Contact: Sapna Gheewala -- sgheewala@aga.org -- 202-824-7131

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 2 - INSTRUCTIONS

Northern Utilities D/B/A Unitil - New Hampshire

[Instructions: Completing the Natural Gas Efficiency Programs Survey](#)

This survey asks about **ratepayer-funded** natural gas efficiency programs during the **2020 program year**—specifically, 2020 expenditures and energy savings impacts, participant counts, low income program elements, and regulatory and legislative mechanisms. Also, we ask for **2021 budgets (filed or approved by state regulators)**. Please refer to the following instructions as you complete this survey. **If a customer segment or activity is not covered by your efficiency programs, please enter “N/A” or “0” and add any comments as you wish.**

- In this survey, the term natural gas efficiency “program” refers to a collection of energy efficiency activities and is synonymous with “portfolio.”
- To capture a consistent snapshot of the energy efficiency market, it's important that we collect data for the same time frame. Please provide information for the **2020 calendar year** (except where specifically asked for 2021 data, such as 2021 budgets). If it's not possible to provide data by calendar year, please specify the *program, or fiscal, year* for which you are reporting (*Question Exp-1 c: Starting and Ending Month and Year*).
- If your company reports natural gas efficiency program data for two or more states, **please complete one survey per state.**
- **If your program was launched during 2021** please answer the following questions only:

Part 1 - Natural Gas Efficiency Program Contact Information**Part 2 - Natural Gas Efficiency Program Dollars and Savings** Exp-1 (a) 2020 budgets only, Exp-1 (c) through (h)

- Please provide answers at the portfolio level. However, if your company offers different programs with distinct characteristics (e.g., a separately administered energy efficiency program and a low-income program) requiring unique answers, please complete separate surveys for each as you see fit.
- If you provide energy efficiency funds to the following organizations **AND** administer your own ratepayer-funded program, please **exclude** all funds and energy savings associated with these **statewide programs** from your survey answers in Section 2. This is to avoid double-counting. These third-party administrators are asked to complete survey Sections 1 and 2 on behalf of participating utilities. (If you wish to mention such funds and energy savings for the record, do so in the Comments row of the relevant table in Section 2.)
 - [Efficiency Maine Trust](#)
 - [Energy Trust of Oregon & Washington](#)
 - [Illinois Energy Office, Illinois Department of Commerce and Economic Opportunity](#)
 - [New Jersey Board of Public Utilities \(for New Jersey Clean Energy Program data\)](#)
 - [New York State Energy Research and Development Authority \(NYSERDA\)](#)
 - [Wisconsin Focus on Energy](#)
- If you fund one of the above programs but **DO NOT** administer your own supplemental ratepayer-funded program), please complete Section 1 only (*Natural Gas Efficiency Program Contact Information*): parts A & B.
- Please refer to instructions in the [AGA Online Statistics & Survey System User Manual](#).

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 3 - CONTACT INFORMATION

1. Natural Gas Efficiency Program Contact Information

A. SURVEY CONTACT

Contact information will be shared with CEE. We do not share this info with any other party. If answers are unclear or incomplete, AGA will follow up with the survey respondent.

Company:

First Name:

Last Name:

Job Title:

Email:

Phone:

B. PROGRAM STATUS IN 2019

(a) *Please enter the name of your utility and the state in which your natural gas efficiency program is implemented.*

Please complete a survey for each state in which you have a natural gas efficiency program (per instructions). Also in part "C. Section 1 Comments and Footnotes," list the states in which you offer natural gas service but do NOT yet implement efficiency programs.

UTILITIES FOR WHICH YOU ARE REPORTING DATA:

STATE IN WHICH EFFICIENCY PROGRAM IS RUN:

(b)? *Did you fund one of the statewide energy efficiency programs listed on page 2? (Yes/No)*

If yes, please name the third-party organization. Also, please read the instructions on page 2 on how to complete Section 2.

C. SECTION 1 COMMENTS AND FOOTNOTES *(Provide any additional comments here)*

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 4 - INSTRUCTIONS

Northern Utilities D/B/A Unitil - New Hampshire

2. Natural Gas Efficiency Program Dollars and Savings

This section asks for 2020 ratepayer funded program expenditures and energy savings and 2021 budgets.

Data in this section will be disclosed to CEE as follows:

- Budgets and expenditures data (Exp-1) at the **company level** and state level
- Energy savings impacts data (Exp-2) at the **company level** and state level

CEE Reporting and Use

All data provided to CEE in this survey will be used in a forthcoming publicly available report, *The State of the Efficiency Program Industry report and appendices*. It is the intent of CEE, as stipulated in its agreement with AGA, **not to release to the public company level data**. CEE intends to use data collected and disclosed by AGA at the following levels:

- Current year budget data approved or filed with state regulator and prior year expenditures data by customer segment and at the state level or higher. (Generally, these data are already filed with public service commissions.)
- Prior year energy savings data by customer segment, reported in aggregate by the four U.S. census regions and nationally for Canada.

AGA Reporting and Use

Data in this section will be published in the appendixes of the AGA Natural Gas Efficiency Programs report as follows:

- Budgets and expenditures (Exp-1) at the **state and regional** level
- Energy saving impacts data (Exp-2_ by the **four U.S. census regions** and nationally for Canada.

*Additionally, AGA may post in the **Members Only Area** of its website data from Section 2.*

Exp-1 (a) What are the 2020 actual program expenditures and 2021 budgets for your natural gas efficiency programs?

- Please report only **ratepayer-funded** expenditures and budgets: These include programmatic, administrative and incentive costs.
- For combined fuel programs, do NOT include funds for electric efficiency programs.
- Please use dollar figures—not percentages.
- DO NOT include monies for renewable energy programs, the Low Income Heating Assistance Program (LIHEAP), or those provided to statewide program administrators (listed in the instructions on page 2).
- If your organization received funds from taxpayers or from other non-ratepayer sources, please exclude those funds from the table below and write in the source and amount received in question Exp-(g). If you are not able to exclude these funds, please elaborate in Exp-(h).
- Please break out funds by customer segment if possible.
- **RESIDENTIAL & LOW INCOME:** To prevent double-counting, DO NOT include Low Income funds in "Residential," unless low income funds cannot be broken out. If it is so, please indicate this in **Row J** in the table below.
- **LOW INCOME FUNDING:**
 - If you provide low income weatherization funds to community action agencies, please include those here and answer all applicable low-income program-related questions in the survey.
 - If you provide low-income funds to the third party organizations listed on page 2, please exclude those to avoid double-counting. (Exceptions: The Arkansas Weatherization Program and Wisconsin Division of Energy Services - Low Income Program) Please DO answer the low income questions in other sections of this survey.
- **Multi Family:** We consider buildings of 5 or more units as multi-family. They could be market-based rentals or subsidized housing—but not public housing nor condominiums or co-ops. If you cannot break out multi-family funds, please include them in the customer segment you classify as multi-family, and please make a note in **Row J** in the table below.
- **COMMERCIAL & INDUSTRIAL:** Please break out Commercial and Industrial funds. If this is not possible, please include combined C&I funds in the "Commercial" category and indicate this in **Row J** in the table below.
- **EM&V:** Please enter all EM&V funds in column C by customer segment. However, if you cannot break out EM&V funds by segment, include those in the Total Row (Row G/Column C) and please make a note in **Row J** in the table below.

- **OTHER:** Please include in the "Other" category only program funds that cannot be allocated by segment and department. Efficiency funds that might not be tied to a particular segment could include administration, advertising, education and training.

Please Read Instructions: Expenditures & Budgets

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 5 - EXPENDITURES & BUDGETS

Northern Utilities D/B/A Unitil - New Hampshire

Exp-1 (A) Natural Gas Efficiency Program 2020 Expenditures & 2021 Budgets

CUSTOMER SEGMENTS	2020 EXPENDITURES (\$)				E. Total 2020 Expenditures (Columns A + B + C + D)	F. 2021 Budgets (\$) ¹	G. Program Cycle Budgets (\$) ²	Prior Year Expenditures
	A. Administrative, Marketing & Other Implementation Costs (e.g., installation, Contractor Services)	B. Customer Incentives (Rebates, Loans & Other Financial Incentives)	C. EM&V Activities & Research Studies that Support EM&V	D. Other Costs				
A. Residential Single Family	177,727	1,013,334	87,312		1,278,373	851,949		828,1
B. Low Income	128,865	247,637	54,201		430,703	413,000		386,i
C. Multi Family					0			
D. Commercial	185,852	678,194	83,887		947,933	1,164,208		1,024,;
E. Industrial					0			
F. Other					0			
<i>(Cross-cutting funds for portfolio-wide activities)</i>								
G. Total <i>(Rows A + B + C + D + E + F)</i>	492,444	1,939,165	225,400	0	2,657,009	2,429,157	0	2,239,;

H. Describe other costs in Column D & Row F:

I. Is 2020 budget approved? (YES/NO) ³

Yes No

J. If unable to break out segments, please explain (e.g., COM & IND, RES & Low Income, Multi Family)

Residential and Low Income both contain Multi-Family within the segments. Commercial and Industrial programs are combined.

K. Comments ⁴

¹2020 Budget: Based on a budget approved or filed with state regulator.

²The term "cycle" refers to the length of time for which a program is budgeted and approved to run. Some organizations run a new (or updated) set of programs each year, whereas others run the same programs for two, three, or more years. Thus a cycle could be one year but is generally longer. In this survey, the program cycle should always include the 2020 year. Our purpose for asking about program cycles is to differentiate between overall budgets and year-specific budgets. Also see part (d) of this question below regarding your program cycle period.

³By approved budgets, we mean efficiency program funds that have been reported to your regulator (publicly-available information) or approved by company management. If final allocations are not yet know, please provide estimates.

⁴Row K: In your comments, please explain large increases or decreases in reported funds compared to prior year data (e.g., ramp-ups, new programs, discontinued programs, customer response, etc.)

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 6 - EXPENDITURES AND BUDGETS (CONTINUED)

Northern Utilities D/B/A Unitil - New Hampshire

EXP 1 (Continued)

- (b) Do your 2020 expenditures include carryover funds or unspent monies from 2019 or earlier? No
- (c) Does your program/fiscal year coincide with the **calendar year** (Jan - Dec)? Yes

If no, please specify the time period for your **program/fiscal year (month and year)**:

	PROGRAM START		PROGRAM END	
	Month	Year	Month	Year
2020 Expenditures:	JAN <input type="checkbox"/>	2020	DEC <input type="checkbox"/>	2020
2021 Budget:	JAN <input type="checkbox"/>	2021	DEC <input type="checkbox"/>	2021

- (d) Please specify the start year and end year for your **program cycle (e.g. 2016 - 2020, 2017 - 2022)**. Please enter the program cycle that applies to your 2020 program expenditures (so 2020 must fall within this time period).

Start Year	End Year
2020	2020

- (e) When did your company first implement ratepayer-funded natural gas efficiency programs?

Implementation Year (Approximate, if unsure)

- (f) Check: Did you exclude all funds provided to a **statewide program administrators** from your 2020 expenditures and 2021 budgets (please see list on Page 2) Yes

- (g) Did your company receive non-ratepayer funding for energy efficiency in **2020** and **2021** that is **NOT REPORTED** in Exp-1(a)? If yes, please indicate the amount and source of funding:

YEAR	NOT REPORTED? YES/NO	IF YES, AMOUNT (\$)	SOURCE OF FUNDS
2020 Expenditures	No <input type="checkbox"/>		
2021 Budgets	No <input type="checkbox"/>		

- (h) Were there non-ratepayer funds that you were **not able to exclude** from 2020 expenditures and 2021 budgets in Exp-1(a)? If yes, please indicate the amount (estimate if necessary), source of funds, and reason they could not be excluded.

YEAR	UNABLE TO EXCLUDE? YES/NO	IF YES, AMOUNT (\$)	SOURCE OF FUNDS	REASONS FUNDS COULD NOT BE EXCLUDED
2020 Expenditures	No <input type="checkbox"/>			
2021 Budgets	No <input type="checkbox"/>			

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 7 - INSTRUCTIONS

Northern Utilities D/B/A Unitil - New Hampshire

Exp-2 What were the estimated annualized energy savings impacts of your ratepayer-funded natural gas efficiency programs in each customer segment for 2020? Please read definitions and instructions carefully.

The information you provide on this past year's impacts will be aggregated and made available to the public only as total savings by customer segment for each of the four U.S. census regions and nationally for Canada. Your individual company data will not be made public.

Reporting Instructions and Definitions:

Here, we are NOT asking for the cumulative lifetime savings of installed measures nor are we asking for annual savings only from measures installed during this past year (see calculation examples below).

Formula for Annual Savings:

2020 energy savings from programs begun in 2020 AND from new participants in programs begun before Jan 1, 2020
(Incremental Savings) ⇒ Column A and Column D in Table Exp-2

+
2020 savings from preexisting participants and measure that were in place prior to Jan 1, 2020 and that continue to have an effective useful life (Annualized Savings) ⇒ Column B and Column E in Table Exp-2

= Total Annual Savings for 2020 ⇒ Column C and Column F in Table Exp-2

Simplified Illustration for Calculating Energy Savings in Exp-2 (Columns A through F):

- **Program Year 2003:** Company installs 10 boilers that save 10 Mcf per year with a useful life of 10 years.
⇒ 2018 Energy Savings = 0 Mcf. Reason: Useful life of appliance has expired.
- **Program Year 2012:** Company installs 10 boilers that save 10 Mcf per year with a useful life of 10 years.
⇒ 2018 Energy Savings = 100 Mcf. Calculation: 10 boilers x 10 Mcf savings per year
- **Program Year 2019:** Company installs 10 boilers that save 10 Mcf per year with a useful life of 10 years.
⇒ 2018 Energy Savings = 100 Mcf. Calculation: 10 boilers x 10 Mcf savings per year
Note: If measure was installed on or after January 1, 2019, if possible, calculate the savings only from the start-up date through year end 2019. If not possible, provide an estimate for the entire program year.
- **TOTAL ENERGY SAVINGS ACHIEVED FOR THIS MEASURE IN 2019** = 0 Mcf + 100 Mcf + 100 Mcf = **200 Mcf**

As this example illustrates, please DO NOT add up the energy savings from all the years a measure has been in place.

- **If your program does not track gas savings as described above, please provide your company's definition/methodology for gas savings impacts you are reporting in the Comments field in Exp-2.**
- Please DO NOT include savings impacts related to any of the third-party programs listed in the instructions on page 2. These will be provided by the third-party program administrator.
- Please DO NOT count interactive thermal effects: That is, do not reduce gas savings or show negative gas savings because of electric measures such as CFLs where gas savings are reduced because of the impact of the heat from CFLs.
- Please break out energy savings by customer segment. If you must combine categories, please explain in Row J.
- If you are unable to break out Low Income impacts from Residential impacts, include them in Residential.
- Please break out Industrial impacts from Commercial impacts, unless you have only a combined C&I program and are unable to break out industrial savings. In this case, include in the Commercial category.
- If you cannot break out multi-family savings, please include them in the customer segment you classify as multi-family, and please make a note in Row J in the table below.
- If you cannot provide a breakout by customer segment at all, please enter the total energy savings for your efficiency programs overall.

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 8 - INSTRUCTIONS

Northern Utilities D/B/A Unifil - New Hampshire

DEFINITIONS

Annual Savings: We define annual savings impacts as all energy savings **accumulated only during calendar year 2020**

(1) from participants in new programs implemented in 2019, (2) from new participants in previously implemented programs, and (3) from existing participants in those preceding programs (including those terminated since 2000). Annual Impacts should consider the useful life of efficiency measures by accounting for building demolition, equipment degradation, and program attrition.

Effective Useful Life: An estimate of the duration of savings from a measure. It is estimated through various means, including median number of years that the energy efficiency measures installed under a program are still in place and operable. Also, EUL is sometimes defined as the date at which 50% of installed units are still in place and operational.

Free Rider: A program participant who would have implemented the program measure or practice in the absence of the program. Free Riders can be (a) **total**, in which the participant's activity would have completely replicated the program measure; (b) **partial**, in which the participant's activity would have partially replicated the program measure; or (c) **deferred**, in which the participant's activity would have completely replicated the program measure but at a later time than the program's timeframe.

Gross Savings: The change in energy consumption and/or demand that results directly from program-related actions taken by participants in an efficiency program, regardless of why they participated. At different times during a program cycle, a gross savings value may be considered projected savings or reported savings.

Incremental Savings (First Year Savings): Those changes in energy use caused in the current reporting year (2020) by new participants in energy efficiency (EE) programs that existed in the previous reporting year and by all participants in your new EE programs (implemented in 2020). *If a measure was installed on or after January 1, 2020, if possible, calculate the savings only from the start-up date through year end 2020; if not possible, provide an estimate for the program year.*

Interactive Effects: The influence of one technology's application on the energy required to operate another application. An example is the reduced heat in a facility as a result of replacing incandescent lights with CFLs, and the resulting need to increase space heating from another source, usually oil or gas fired.

Market Effect: A change in the structure of a market or the behavior of participants in a market that is reflective of an increase (or decrease) in the adoption of energy efficient products, services, or practices and is causally related to market interventions (e.g., programs). Examples of market effects include increased levels of awareness of energy efficient technologies among customers and suppliers, increased availability of efficient technologies through retail channels, reduced prices for efficient models, build out of efficient model lines, and increased market share for efficient goods, services, and design practices.

Net Savings: The change in energy consumption and/or demand that is attributable to a particular energy efficiency program. This change may include, implicitly or explicitly, consideration of factors such as **free riders**, **spillover**, and **market effects**. We realize it may not be possible for you to provide net impacts.

Net-to-Gross Ratio: A factor representing net program savings divided by gross program savings which is applied to gross program impacts to convert them into net program impacts. The factor itself may be made up of a variety of factors that create differences between gross and net savings, commonly including free riders and spillover. Other adjustments may include a correction factor to account for errors within the project tracking data, breakage, and other factors that may be estimated which relate the gross savings to the net effect of the program. It can be applied separately to either energy (Therm) or demand (Mcf) savings.

Spillover: Reductions in energy consumption and/or demand caused by the presence of an energy efficiency program beyond the program-related gross savings of the participants and without financial or technical assistance from the program. **Participant spillover** is the additional energy savings that occur when a program participant independently installs energy efficiency measures or applies energy savings practices, after having participated in the efficiency program, as a result of the program's influence. **Nonparticipant spillover** refers to energy savings that occur when a program nonparticipant installs energy efficiency measures or applies energy savings practices as a result of a **program's influence**. The term "free driver" is sometimes used to describe market actors influenced by spillover.

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PG. 9 - ESTIMATED ANNUALIZED NATURAL GAS EFFICIENCY PROGRAM

Northern Utilities D/B/A Unitil - New Hampshire

Exp-2: 2020 Estimated Annualized Natural Gas Efficiency Programs Savings Impacts

Please select a measurement unit and make sure that the energy savings you report correspond with the measurement unit selected.

MMBtu

GROSS ENERGY SAVINGS

NET ENERGY SAVINGS

	A. Incremental Savings (Measures Put In Place in 2020 ¹)	B. Annualized Savings Measures Installed Pre- 2020 ²	C. Total GROSS Annual Energy Savings 2020 (A+B)	D. Incremental Savings (Measures Put In Place in 2020)	E. Annualized Savings Measures Installed Pre- 2020 ²	F. Total NET Annual Energy Savings 2020 (D+E)
A. Residential Single Family			0	12,605		12,605
B. Low Income			0	1,912		1,912
C. Multi-Family			0			0
D. Commercial			0	24,241		24,241
E. Industrial			0			0
F. Other			0			0
G. Total (Rows A+B+C+D+E+F)	0	0	0	38,758	0	38,758

¹ Please provide **Incremental Savings (gross and net)** for measures installed in 2020 and participants that enrolled in new and existing programs in 2020. DO NOT provide cumulative lifetime savings.

² Please provide **Annualized Savings** for measures that were installed **pre-2020** which continue to have a useful life—i.e., continued to achieve savings during 2020. DO NOT provide cumulative lifetime savings. If you report only First-Year Savings to your regulator, please refer to your past records and simply add up the first year savings on record for all measure that were still in place in 2020. The assumption is that for recent program years, the installed measures were within their useful lives in 2020.

³ If you are not able to provide Net Savings, please provide an approximate **Net-to-Gross factor** for each customer segment of reported savings. If NTG factor is not available by segment, please provide an approximate NTG factor for your efficiency portfolio overall in Column G/Row G.

⁴ In your comment (Row L), please explain large increases or decreases in energy savings compared to prior year data (e.g., ramp-ups, new programs, discontinued programs, customer response, etc.).

H. Describe *Other*:

I. Which metric was used to compute energy savings (*Select one*):

J. If gross savings and/or net savings are not provided, please explain:

All savings are reported out in Net

K. If combined categories, please explain (e.g., COM & IND, RES & IND, RES, Low Income & Multi Family):

Commercial and Industrial are combined. We don't break out multifamily

L. What is your state's measure of energy savings (e.g., Audited, Verified, Gross or Net)?

Net

M. Comments⁴

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 10 - PROGRAM ADMINISTRATION

Northern Utilities D/B/A Unifil - New Hampshire

Natural Gas Efficiency - Participant Counts & Low Income Programs

Org-1 Did your natural gas efficiency programs include any of the following components in 2020? (Select all that apply)

ENERGY EFFICIENCY ACTIVITIES	RESIDENTIAL SINGLE FAMILY	RESIDENTIAL MULTI-FAMILY	RESIDENTIAL LOW INCOME	COMMERCIAL & INDUSTRIAL
Weatherization (e.g. insulation; sealing of ducts/cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Indirect Impact Programs				
Certification (of contractors who install efficiency measures)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Educational (e.g. brochures bill inserts)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Online Tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Assessment (Onsite Energy Audits)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Training (of contractors or building operators)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Direct Impact Programs - Existing Buildings: <small>Equipment replacement & upgrades (e.g. appliances, doors, windows, thermostats); Building recommission or retrofit; Commercial food service programs; Process equipment; Energy management systems; Custom process improvement</small>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Impact Programs - New Construction/Expansion <small>Energy efficient homes; Efficiency design assistance; Industrial efficiency</small>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Describe Other:

Additional Comments

Org-2 Low Income Programs - Did you offer enhancements for income-qualified programs (i.e. low or limited income) directly, via third-party or through funding to a State Energy Program? That is can this customer segment access a portfolio of programs that is exclusive to them?

Yes, via third-party

If yes, please describe:

Org-3 Which customer segment did your natural gas efficiency programs include, and how many customers participated in each? Please count the **number of participating customers** - NOT processed rebates or incentives applications. Please enter "Y" in the appropriate cell(s) in Row A if you provided dollar amounts for the corresponding segments in Exp-1.

	RESIDENTIAL SINGLE FAMILY	LOW INCOME	MULTI-FAMILY	COMMERCIAL	SEPARATE INDUSTRIAL
A. Programs for This Segment? (Y/N)	Yes <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
B. Number of Participants in 2020 Program Year	13,612	62		166	
Table Comments (WHERE unable to break out, please indicate how you combine categories):	Multifamily is not broken out. Commercial and Industrial is not broken out.				

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 11 - REGULATORY & LEGISLATIVE FRAMEWORK

4. Natural Gas Efficiency Regulatory & Legislative Framework

*To verify answers in this section, we cross-reference them to regulatory data collected through other means.
To avoid inconsistency and extensive follow-up, we ask that regulatory/rates staff review this section before the survey is submitted.*

Reg - 1. Has your company considered a Gas Demand Response?

Reg - 2 If your company has considered Gas Demand Response, what stage are you currently in?

Reg - 3 If you have completed a study or are engaged in a pilot, does gas demand response demonstrate cost-effectiveness at your utility?

Explanation/ Link to Study

(Please continue with Reg - 4 on the following Page)

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 12 - REG. & LEG. FRAMEWORK (CONTINUED)

Northern Utilities D/B/A Unil - New Hampshire

Reg-4 What percentage of your net natural gas distribution revenues (**net of gas costs**) did your 2020 ratepayer-funded natural gas efficiency program funds represent? (For this question only, do include in your calculation funds that were submitted to third-party administrators and statewide programs.)

%

Reg-5 (a) Are there state requirements for utilities to support natural gas efficiency programs either through ratepayer or shareholder funds? (Select all that apply)

Yes Statute Yes Regulatory Order/Rule No

(b) If yes, what policy goals or targets drive this requirement (Columns C & D)? In column B, please indicate which target is a goal set by your program (whether or not it is a state policy goal). (Select all that apply)

A. TARGET / PATH	B. PROGRAM PROVIDER GOAL?	C. POLICY TARGET IN ENABLING LEGISLATION?	D. REGULATOR GOAL?
Promote Energy Conservation / Direct Impact on Energy Savings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce Green House Gas Emissions / Direct Impact on Avoided Emissions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer Dollar Savings / Reduce Customer Bills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Value Added Customer Service and Options	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce Low Income Customers' Energy Usage and Cost Burden	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improve Safety and Comfort Benefits to Low Income Customers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimize Customer Bill Payment Arrears and Utility's Uncollectible Balances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Behavioral Change (via education, training, feedback or direct outreach to customers and others)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Market Transformation (via manufacturers, distributors, retailers, and consumers of energy-related products/services)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic Development and Job Creation (or Green Jobs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meet Electric Demand Side Management Program Targets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce Peak/Off-Peak Electric Generation Needs and Electric Infrastructure Costs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meet State Energy Efficiency Resource Standards (EERS) or Renewable Portfolio Standards Targets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encourage the Use of Combined Heat and Power	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce Natural Gas Supply and Infrastructure Costs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If other, please describe			

(c) *Are there legal requirements to fund low-income natural gas efficiency programs in your state? (Select all that apply)*

Yes, Legislative Requirement

Yes, Regulatory

No

NATURAL GAS EFFICIENCY PROGRAMS SURVEY - PAGE 13 - REG. & LEG. FRAMEWORK (CONTINUED)

Reg-6 (a) Does your state target greenhouse gas (GHG) or carbon emissions reduction as an explicit and measurable goal? No
If yes, please elaborate:

(b) Is there a regulator-approved mechanism for earning credit on GHG-emissions reduction projects? e.g., renewable energy certificates, carbon offset projects, supporting wind farms or biogas generating plants. (Select all that apply)
Yes, Cost Recovery Yes, Return on Investment Pending No N/A

(c) Has your company sought regulatory approval for cost recovery and/or earnings on project investments where GHG emissions reduction is the primary goal? (Select one)
 Choose . . .
If yes, please elaborate:

Reg-7 (a) On what basis is your funding approved by your regulator or appropriate legal authority? (Select one)
 Choose . . .
If other, indicate which time period:

(b) Are you allowed to carry over program funds from year to year? No

(c) Have you ever experienced program funding disruptions part-way through your program year? No

(d) Do you have mechanisms built in to prevent funding disruptions during the program year? (Select all that apply)
Yes, rate mechanism (e.g., variance account, deferral mechanism) Yes, allowed mid-term modifications that adjusts annual budgets based on spending level triggers
Yes, month-to-month bridge funding until final budget approved Yes, may ask regulator to use prior cycle unused funds
Yes, have flexibility to shift funds between programs Yes, may petition regulator to transfer funds between programs
Yes, allowed to move funds from future budget years into current year Yes, allowed to exceed individual program budget, provided portfolio as whole is cost-effective
Other No
If yes, describe:

(e) If energy efficiency funding has been cut, reallocated, or stopped during the program year, please comment on how such actions have impacted your program delivery resources.

Reg-8 (a) Is there a regulator-approved mechanism to assure **recovery of natural gas efficiency direct program costs**, and what cost-recovery mechanisms are used? (Select one. If more than one mechanism, please select "Other" and describe below.)
 Choose . . .
If other, please explain:
If pending, please specify:

(b) Does recovery of energy efficiency program costs apply **only to specific rate classes** within your programs? If yes, which rate class? (Select all that apply)
Yes, Residential Yes, Low Income Yes, Commercial Yes, Industrial No Limitations

(c) Are there efficiency program costs that **DO NOT** qualify for recovery? No
If yes, please list/describe:

Reg-9 (a) Is there a regulator-approved mechanism to assure **recovery of lost revenue** resulting from implementing natural gas efficiency programs and what is the lost revenue recovery method? (Select one. If more than one mechanism, please select "Other" and describe below.)
 Choose . . .
If Other, please explain:
If pending, please specify:

(b) If you selected (1) **Nonvolumetric Rate Design** in Reg-6 (a), please indicate the type of rate design you have in place. (Please select one)
 Choose . . .

(c) If you selected 1.1 **Revenue Decoupling** in Reg-6 (b), please indicate the type of revenue decoupling you have in place. (Please select one)
 Choose . . .
Comments:

Reg-10 (a) Is there a regulator-approved **utility performance incentive mechanism** for natural gas efficiency programs and/or for meeting performance targets? How does the financial incentive work? (Select one. If more than one mechanism, please select "Other" and describe below.)
 Choose . . .

If you selected "1. Shared Savings," please indicate percentage of customer savings your company is eligible to share by specifying a range.

Minimum: %

Maximum: %

If Other, explain:

If Pending, please specify:

(b) If you selected (2) **Rate of Return Incentive** in Reg-7 (a), please indicate the type of ROR incentive you have in place. (Please select one)

Choose . . .

If other, explain:

Comments:

(c) From what authority does your regulator-approved utility performance incentive mechanism derive? (Select one)

Choose . . .

(d) If the incentive mechanism consists of **Bonus Opportunity Based on Performance Targets**, describe the types of targets/goals and the reward mechanism. (Select all that apply)

(i) **Performance Targets**

Efficiency Dollar Investment

Energy Savings (Specify percent range) Minimum % Maximum %

Cost Effectiveness

Other

Describe cost effectiveness criteria if applicable:

If "other," please describe:

(ii) **Reward Mechanism:**

Percent of Net Economic Benefits (Specify Percent) %

Percent of Program Savings (Specify Percent) %

Percent of Program Investment (Specify Percent) %

Other

If "other", please describe

Comments

Reg-11 (a) Does your regulator allow you to offer customers **financial incentives for switching** from other fuels to natural gas?

Choose . . .

Please elaborate if fuel switching is allowed but not through EE program incentives:

(b) **If No to (a)**, is promoting fuel switching/converting to natural gas expressly prohibited in your state?

Choose . . .

If prohibited, please elaborate:

(c) **If Yes to (a)**, does your program offer fuel conversion incentives to your customers? (Select all that apply)

Yes, Residential Yes, Low Income Yes, Commercial Yes, Industrial No

(d) If yes, to which fuels do your conversion incentives apply? (Select all that apply)

Electric Fuel Oil Propane Other

If other, describe:

(e) What types of financial incentives do you offer? (Select all that apply)

Choose . . .

If other, describe:

(f) What type of equipment is included in your fuel switching incentives program?

(g) Are there conditions or limitations on your fuel switching program? (Select all that apply)

Yes, installed equipment must meet minimum efficiency requirements Yes, switch must be cost-effective

Yes, fuel switching is limited to specific applications or measures Yes, other

If Other, please elaborate:

Reg-12 Section 3 comments and footnotes:

DATA ENTRY STATUS

Data Entry Status -- Page 13

SURVEY FINAL & SUBMITTED

SURVEY COMPLETION DATE

*Please answer the following two questions only if they apply (i.e. you have revised your data).
Otherwise leave them blank.*

SURVEY REVISED

SURVEY REVISION DATE

Thank you for completing this survey!

Please let Sapna Gheewala know that you've submitted your data (sgheewala@aga.org).



Form Instructions:

- Data from this form will be used by ISO-NE to develop a long range energy efficiency forecast and heating electrification forecast.
- Complete all applicable fields in Form 1 - Heat Pump Estimates and Form 2 - Questionnaire.
- Save and rename this file, use a naming convention that uniquely identifies the Utility Company and creation date of the file.
- Return form by the specified date via email attachment to eeforecast@iso-ne.com.

Question Number	Question	Response
1	How does your institution report winter electric demand and energy increases resulting from heat pump installations, especially in cases of fuel switching?	We incentivize heat pump installations on a lost opportunity basis. We do not report winter demand and energy increases.
2	For heat pump installations at sites that previously lacked AC, how does your institution report increases to cooling load?	Again, as we incentivize heat pump installations on a lost opportunity basis, we do not report increases to cooling load.
3	On Form 1 - Heat Pump Estimates, how does your institution define "project"? (i.e. by compressor, by number of heads, etc.)	By compressor.



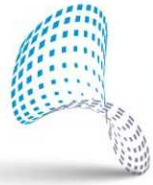
ISO-NE PUBLIC

ISO New England Energy Efficiency Data Reporting Form

Date:	10/30/2021
Utility Name:	Unitil Energy Systems, Inc.
Contact Name:	Mary Downes
Phone Number:	603.294.5122
Email Address:	downesm@unitil.com

Form Instructions:

- Data from this form will be used by ISO-NE to develop a long range energy efficiency forecast.
- Complete all open fields on this Form 1 - contact tab and on Form 2 - Data tab with required information.
- Refer to definitions provided on the Data Definitions tab of this document for the basis of information to be completed on this Energy Efficiency Data Reporting Form. Also refer to Form 2 - Sample tab for example data input.
- Data entered in this form should cover the requested period performance and spending data. The reporting period is typically for the past 12 months (Jan - Dec, or Jun - May) or entire program year, as specified.
- Enter all information for each program in a different column on the "Form" tab.
- Save and rename this file, use a naming convention that uniquely identifies the Utility Company and creation date of the file. (UtilityName_mm_dd_yyyy.xlsx)
- This form may be reused to complete subsequent submissions to maintain consistency of the Energy Efficiency programs reported on.
- Return form by the specified date via email attachment to eeforecast@iso-ne.com



Demand Side Analytics
DATA DRIVEN RESEARCH AND INSIGHTS

Certification Report

Annual Certification of ISO-NE Forward Capacity Market Compliance



**Prepared for UES Energy Systems, Inc.
(Resource IDs: 12801, 14580)**

By Demand Side Analytics, LLC

May 2022



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1 EXECUTIVE SUMMARY

ISO New England (ISO-NE) requires an annual third-party compliance review of approved Measurement and Verification (M&V) plans for bidders delivering capacity to the Forward Capacity Market (FCM). UES Energy Systems, Inc. (“UES” or “the Company”) contracted Demand Side Analytics (DSA) to perform this review for demand resources qualified by UES in the thirteenth Forward Capacity Auction (FCA #13) for performance beginning June 1, 2022. This is the third time DSA has conducted the certification review for UES and the audit activities build upon the findings and analysis tools developed for the two prior reviews.

The compliance review centers on the calculation of UES’s demand reduction value (DRV). The DRV is a meter-level reduction in customer load. Ultimately, FCM participants are paid on Capacity MW, which includes an 8% gross up to account for losses during the transmission and distribution of electricity. All review calculations were performed on DRV scale impacts.

For 2021, the Company transitioned entirely to a new tracking system called eTRACK, customized for Unitil’s programs by third party vendor ANB. Relevant information about energy efficiency transactions are extracted from the tracking system, subjected to thorough QA/QC, and summarized by sector, program, and measure in a benefit-cost modeling file. This Microsoft Excel summary file is referred to as the BC Model. Impact factors such as the in-service rates, coincidence factors, and realization rates are applied to gross savings in the BC Model to calculate adjusted gross savings. Outputs from the BC Model are further prepared per ISO’s rules and validations in a CSV file for upload to ISO-NE’s Energy Efficiency Measure (EEM) database.

1.1 Compliance Review Methodology

Key questions for the review include:

- 1) Is the data exchange process from eTRACK to EEM sound? Are the correct values being transferred from the tracking system to the BC Model? Were the appropriate in-service rate, coincidence factor, and realization rates applied to calculate adjusted gross demand impacts?
- 2) Are project-level peak demand impacts being calculated in accordance with the Company’s approved Forward Capacity Market Demand Resource Measurement and Verification Plan? The plan¹ for the period June 1, 2022 through May 31, 2023 identifies the New Hampshire statewide Technical Reference Manual for Program Year 2021 as a primary source for assumptions about equipment efficiencies, baselines, coincidence factors, and useful life. In many cases, these assumptions come from program evaluations in New Hampshire or neighboring states like Massachusetts. Consequently, DSA sought to independently confirm that peak demand impacts for prescriptive measures were calculated according to the applicable measure characterization. For non-prescriptive measures we sought to confirm that sound engineering principles and calculation methods were used to estimate peak demand impacts.
- 3) What is the relative precision of the aggregate review period DRV? Is the statistical uncertainty within the allowable level of $\pm 10\%$ at the 80% confidence level specified in the ISO-NE

¹ Forward Capacity Market Demand Resource Measurement and Verification Plan for FCA 16.



Measurement and Verification of Demand Reduction Value from Demand Resources² (M-MVDR) manual? Note that the M-MVDR manual does not specify which factor to use for assessing uncertainty. DSA generally applied factor assumptions conservatively by using the highest available factor. As such the uncertainty results should be interpreted as a maximum estimate, e.g. uncertainty is estimated to be no greater than the reported magnitude and in reality is likely less than the reported magnitude.

Methodology and findings from these three central research questions are explored in Sections 2 through 4 of this report.

1.2 Compliance Review Results

Based on a comprehensive review of the measure savings calculations, supporting evaluation research, and reporting to ISO-NE, DSA finds that UES is in compliance with the M&V requirements established by ISO-NE for the period covered in this compliance review. The procedure used to organize and summarize program tracking data in the BC model is reliable given the diversity of UES's energy efficiency measure catalog. These aggregate gross demand reductions totals were then subsequently adjusted by the appropriate measure-level impact factors from evaluation studies conducted in New Hampshire or neighboring states.

Our independent analysis of peak demand savings found that the unadjusted gross savings stored in the tracking system and subsequent adjustments applied in the BC model are well-aligned with the Company's approved ISO-NE measurement and verification plan.

The unadjusted gross demand savings stored in the tracking system were then adjusted to reflect in-service rates, coincidence factors, and realization rates from the 2021 New Hampshire TRM based on evaluation studies. Where New Hampshire-specific evaluation results are not available, the Company relies on studies completed in Massachusetts or Connecticut. Each of the evaluation studies incorporated in this review was completed by well-recognized evaluation contractors. The statistical sampling and relative precision of the findings were documented in the evaluation reports and were for the most part straightforward to incorporate in the review. We leveraged the prior certification contractor's compilation of precision assumptions for historic measures that have not expired. DSA organized the DRV by adjustment factor and applied the corresponding statistical uncertainty assumption to each component of the DRV. DSA calculated the precision of coincidence factors or realization rates based on the least precise value and assigned the calculated uncertainty values to the relevant summer and winter DRV.

Table 1 shows that the DRV of active resources is above the Company's obligation at the system level. Further, the statistical precision at the 80% confidence level for both summer and winter are within the $\pm 10\%$ range allowed by ISO-NE.

² https://www.iso-ne.com/static-assets/documents/2017/02/mmvd_r_measurement-and-verification-demand-reduction_rev6_20140601.pdf



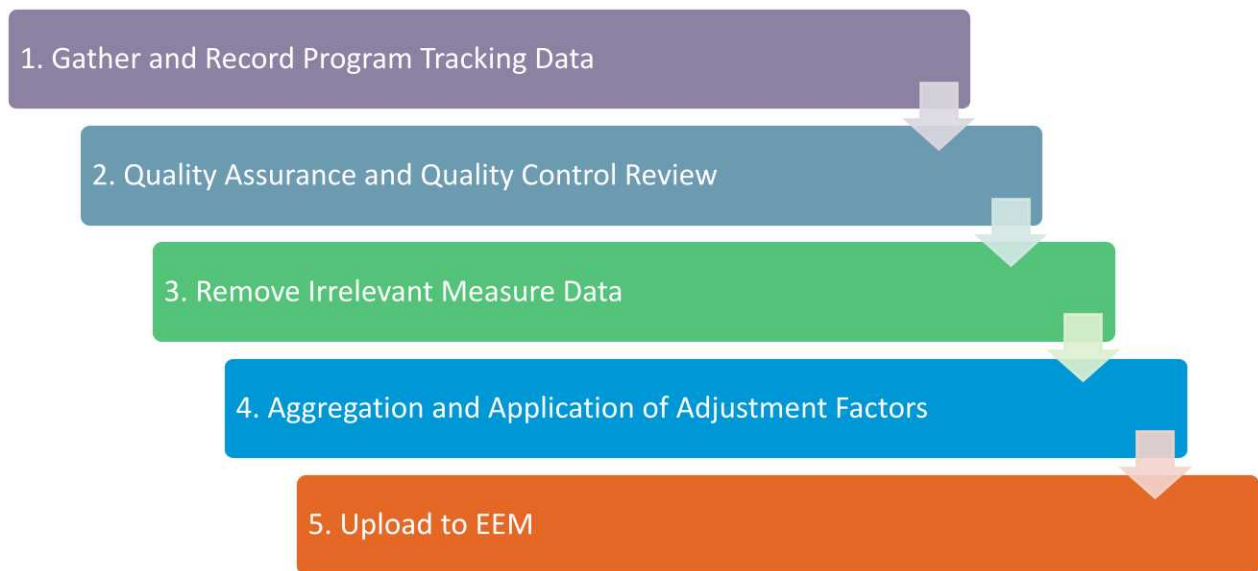
Table 1: High-Level Compliance Review Results

Parameter	Summer	Winter
Capacity Obligation at System Level (MW)	8.724	8.724
Capacity Obligation at Meter Level (MW)	8.078	8.078
DRV of Active Resources (MW) as of June 1, 2020	15.132	15.923
Relative Precision of Active DRV at 80% Confidence	8.13%	7.31%

2 DRV CALCULATION PROCESS REVIEW

UES uploads newly acquired energy efficiency resources to ISO New England EEM database on an annual basis. Development and validation of the Company’s upload of 2021 measures is five-step process summarized in [Figure 1](#). Additional detail on each step follows the figure.

Figure 1: Process Overview



1) Gather and Record Program Tracking Data

- a. The Company’s eTRACK tracking system is the foundation of the DRV calculation process. The eTRACK system replaced the legacy EETS system as the system of record for all energy efficiency activity in 2021. Prior to the start of the 2021 program year, Until configured the system with measure lists and savings assumptions from the newly released New Hampshire statewide TRM. For mass market programs and initiatives with deemed savings, assumptions are applied based on a version of the TRM stored and referenced within eTRACK. If a retrospective TRM update is released, assumptions can be updated to already uploaded data in a ‘global refresh’ job.
- b. During the program year, installed measures are uploaded into eTRACK and approved for payment by the program implementer, which supervises third party vendors to ensure that all necessary information is captured and accurate.



- c. For calculated savings and custom projects, where deemed values cannot be automatically applied, the savings data is provided by the relevant installation contractor to Unitil implementation staff, who check savings assumptions against the TRM and ensure that backup documentation has been provided to justify the cost and savings assumptions. In some cases, site visits are conducted before the job is finalized and savings entered into the tracking system.
 - 2) **Quality Assurance and Quality Control Review**
 - a. After each quarter, project data is extracted from eTRACK into one or more Excel files for analysis by administration and compliance staff, who review the data for accuracy. Large projects (either by dollar or savings amount) are reviewed in more detail, and outliers are also checked.
 - b. Administration and Compliance staff manage a QA/QC spreadsheet with open questions for vendors and/or implementation staff to address.
 - c. Any errors or omissions in the tracking system data are subsequently corrected and updated in eTRACK, which contains an audit trail feature that documents what changes were made, by whom and at what time.
 - d. When all updates have been made, data is re-extracted for reporting to regulatory reporting.
 - 3) **Remove Irrelevant Measure Data**
 - a. Not all energy efficiency program activity generates summer or winter reductions in electric demand. These measures are excluded from the EEM upload file along with ineligible or inappropriate measures.
 - b. Removed measure data includes audits, loans, combined heat and power projects, beneficial electrification, behavioral home energy reports, short-lived measures, and active demand reduction measures.
 - c. The Company also removes measures whose kW savings is not well-supported by evaluation or has poor statistical significance.
 - 4) **Aggregation and Application of Adjustment Factors**
 - a. Remaining data is then aggregated by BCR Measure ID and values from the Benefit-Cost model applied, including key adjustment factors such as in-service rate, coincidence factors, and realization rates. These factors are applied to the unadjusted gross kW savings from the eTRACK output to compute adjusted gross summer and winter kW savings.
 - b. The adjusted gross summer and winter kW savings from the BC model is compared to the adjusted gross summer and winter kW savings in eTRACK. If there are discrepancies in the totals, staff compares the realization rates, coincidence factors, and in-service rates and makes adjustments as necessary to align with the New Hampshire TRM.
 - c. At this point, the BC model and eTRACK summary are shared with Demand Side Analytics to perform the annual third party certification review.
 - d. If the third party review uncovers any additional issues, the Company updates the eTRACK data output file and reporting model to reflect the necessary changes.
 - 5) **Upload to EEM**
 - a. Using the updated eTRACK data file as a base, the EEM upload document is created.
 - b. Staff aggregate like-measures for projects with summer and winter savings < 10 kW



- c. Measures installed at a single location with summer or winter peak kW savings > 10 kW are associated with the customer location information.
- d. EEM-required fields are added (i.e., resource and asset number, lead participant number, etc.)
- e. The EEM field 'Reference Document Name' is populated with the relevant TRM from which the kW values reported to ISO were calculated or deemed.
- f. Once all fields are populated, the data file is prepared for upload. the correct category (text, numeric, or custom) is assigned and the header row is deleted (required for upload). The file is named reflecting the date of creation, the Company, and the time period.
- g. The worksheet is saved as a CSV file (the only type that can be uploaded to EEM). If the record contains more than 50 rows of data, it is broken into multiple files, each with a maximum of 50 rows and the csv files are uploaded into EEM.
- h. The new measures that have been entered into EEM are selected and downloaded to compare to the original upload file to ensure nothing was omitted or double entered, and the file is saved to the local server as a record to accompany the eTRACK data file and associated BC model.

As part of the audit, DSA reviewed the how tracking records from the tracking system are aggregated and adjusted for presentation to ISO-NE. Key impact parameters include:

- **Quantity:** the count of units by measure from the tracking system
- **Measure Life:** from the New Hampshire TRM
- **In-Service Rate:** from the New Hampshire TRM
- **kWh Realization Rate:** from the New Hampshire TRM
- **kW Summer Realization Rate:** from the New Hampshire TRM
- **kW Winter Realization Rate:** from the New Hampshire TRM
- **Total Gross kW:** the difference in connected load between the efficient and baseline technology. Scaled by the number of units when per-unit assumptions are used.
- **Summer Coincidence Factor:** from the New Hampshire TRM
- **Winter Coincidence Factor:** from the New Hampshire TRM

As part of the review, DSA checked the formulas and parameters used to calculate adjusted gross summer and winter demand. The construction of the workbook was transparent and straightforward to audit. For the 2021 review period, we found the process described above to be sound and free of any data management errors.

3 INDEPENDENT REPLICA OF DRV CALCULATIONS

The bottom-up review seeks to confirm that the correct demand impacts were stored in the program tracking system and adjusted by the appropriate in-service rate, coincidence factor, and realization rate. The bottom-up review focused on measures and projects recorded in 2021 given that DRV from prior years had been reviewed as part of previous annual certifications. To determine correctness of demand impacts, DSA conducted a broad review of the alignment between UES's calculations and the New Hampshire 2021 TRM, independently verifying 93% of the summer DRV and 95% of the winter



DRV. The following subsections detail the sources, the approach, and the findings associated with the demand impact audit.

3.1 Resources

The resources leveraged in the bottom-up demand impact audit were as follows:

- The New Hampshire Technical Reference Manual for Estimating Savings from Energy Efficiency Measures, 2021 Program Year
- Two “Electric Measure” tabs (one for measures savings > 10 kW at a single site and one for measures less than 10 kW) containing extracts from UES’s tracking and reporting system. These tables contain pertinent details for each measure such as equipment description, equipment quantity, gross annual kWh saved, gross summer kW saved, and gross winter kW saved. These tabs also have assumptions from the New Hampshire BC Model workbook, which assigns measures to the appropriate coincidence factors, measure life, and realization rates as developed based on previous evaluation results.
- Project files for commercial and small business program projects, which were made available upon request. The project files included rebate applications and rebated equipment inventory details.
- Previous evaluation reports including the “New Hampshire Utilities Large Commercial & Industrial (C&I) Retrofit and New Equipment & Construction Program Impact Evaluation Final Report” (DNVGL, 2015), the “New Hampshire Non-Lighting Commercial and Industrial Programs 2016 and 2017 Evaluation Report” (Cadmus, 2019), and the “Impact Evaluation of 2016 New Hampshire Commercial & Industrial Small Business and Municipal Lighting Final Report” (DNVGL, 2018).
 - These New Hampshire studies were supplemented with impacts factors drawn from evaluation studies completed in Massachusetts.³

3.2 Approach

Our approach entailed independently calculating summer and winter demand savings using the appropriate algorithms and inputs (as per the TRM), then comparing to the values stored in EETS and pulled into the BCR model. The following calculations illustrate a successful bottom-up review for the summer peak demand of an E21C2c012 measure “Midstream High Bay/Low Bay” installed in 2021.

Figure 2 shows an excerpt from the New Hampshire TRM, which dictates the algorithms and assumptions needed to compute summer and winter demand savings.

³ <https://ma-eeac.org/studies/>



Figure 2: TRM Excerpt for E21C2c012

For Midstream:

$$\Delta kWh = n * (\text{DeltaWatts}/1000) * \text{Hours}$$

$$\Delta kW = n * \text{DeltaWatts} / 1000$$

Where:

n = Total number of fixture or lamp types in project.

DeltaWatts = Calculated difference between efficient and baseline wattage (see table below)

1000 = Conversion factor: 1000 watts per kW.

Hours = Lighting annual hours of operation.

Midstream:

BC Measure ID	Measure Name	Program	ISR	RR _E	RR _{SP}	RR _{WP}	CF _{SP}	CF _{WP}
E21C1c010 E21C2c010	LED Downlight	LBES Midstream, SBES Midstream	0.859	1.267	1.000	1.000	0.70	0.49
E21C1c011 E21C2c011	LED Exterior	LBES Midstream, SBES Midstream	0.955	0.989	1.000	1.000	0.00	1.00
E21C1c012 E21C2c012	LED High Bay/Low Bay	LBES Midstream, SBES Midstream	0.996	0.747	1.000	1.000	0.83	0.65

The gross summer and winter demand savings are calculated by line item using the algorithm provided in Equation 1 and solved in Equation 2 as an example.

Equation 1: Summer Demand Savings Algorithm

$$\Delta kW_{SP} = ISR \times RR_{SP} \times CF_{SP} \times \Delta kW$$

Where:

- ISR = 0.996
- RR_{SP} = 100%
- CF_{SP} = 83%

The TRM characterization for this measure contains varying Delta Watts assumptions based on fixture size.

Product	Quantity	Delta Watts	Δ kW	Summer kW	Winter kW
High/Low Bay 50-99W	580	174.0	100.9	83.5	65.3
High/Low Bay 100-199W	1,071	229.0	245.3	202.8	158.7
High/Low Bay >= 200W	186	334.0	62.1	51.4	40.2
High/Low Bay LED, 20-99W w/ Controls	29	189.5	5.5	4.5	3.6
High/Low Bay LED, 100-199W w/ Controls	3	260.1	0.8	0.6	0.5
High/Low Bay LED, >= 200W w/ Controls	6	388.4	2.3	1.9	1.5
Independently Verified Total	1,875		416.9	344.7	270.0
EEM Upload Table	1,875		416.9	344.7	270.0



shows the quantity (n) and calculation of summer and winter kW savings for each equipment category and the 2021 total for this measure ID. As shown at the bottom of the table, our independent calculations of summer and winter peak demand savings following the New Hampshire TRM are identical to the Company's calculations in its EEM upload workbook.

Table 2: Bottom-Up Example – E21C2c012

Product	Quantity	Delta Watts	Δ kW	Summer kW	Winter kW
High/Low Bay 50-99W	580	174.0	100.9	83.5	65.3
High/Low Bay 100-199W	1,071	229.0	245.3	202.8	158.7
High/Low Bay >= 200W	186	334.0	62.1	51.4	40.2
High/Low Bay LED, 20-99W w/ Controls	29	189.5	5.5	4.5	3.6
High/Low Bay LED, 100-199W w/ Controls	3	260.1	0.8	0.6	0.5
High/Low Bay LED, >= 200W w/ Controls	6	388.4	2.3	1.9	1.5
Independently Verified Total	1,875		416.9	344.7	270.0
EEM Upload Table	1,875		416.9	344.7	270.0

Equation 2 shows the calculation of summer of DRV for this sample measure.

Equation 2: Summer Demand Savings Algorithm – Solved

$$\Delta kW_{SP} = 0.996 \times 1.0 \times 0.83 \times 416.9 \text{ kW} = 344.7 \text{ kW}$$

3.3 Findings

3.3.1 Lighting Measures

The bulk of the 2021 audit sample was comprised of 17 commercial lighting measures. For all measures, DSA cross-checked the demand impact parameters with the 2021 NH TRM to ensure consistency; while also reviewing project-specific documentation on three of the algorithm-based measures to assess the accuracy of the Company's max kW calculation. Table 3 compares the aggregate values at the measure level.

Table 3: Overview of Lighting Measures Findings

Measure Code	Common Name	Max. Load Reduction		Summer Demand		Winter Demand	
		UES	DSA	UES	DSA	UES	DSA
E21C1a011	Lighting Fixture - Exterior w/o Controls	278.0	278.0	0.0	0.0	278.0	278.0
E21C2c012	Midstream LED High Bay/Low Bay	416.9	416.9	344.7	344.7	269.9	269.9
E21C1a013	Lighting Fixture - Interior w/o Controls	477.8	477.8	218.8	248.3	190.6	190.6
E21C2a013	Lighting Fixture - Interior w/o Controls	452.5	452.5	228.1	258.8	176.0	176.0
E21C3a013	Lighting Fixture - Interior w/o Controls	170.1	170.1	85.7	97.3	66.2	66.2



Measure Code	Common Name	Max. Load Reduction		Summer Demand		Winter Demand	
		UES	DSA	UES	DSA	UES	DSA
E21C2a011	Lighting Fixture - Exterior w/o Controls	121.3	121.3	0.0	0.0	121.3	121.3
E21C2c011	Midstream LED Exterior	63.2	63.2	0.0	0.0	60.3	60.3
E21C2c010	Midstream LED Downlight	112.5	112.5	67.7	67.7	47.4	47.4
E21C2c016	Midstream LED Screw In	134.8	134.8	67.4	67.4	47.2	47.2
E21C1a012	Lighting Fixture - Interior w/ Controls	74.1	74.1	37.4	37.4	28.8	28.8
E21C3a012	Lighting Fixture - Interior w/ Controls	59.3	59.3	29.9	33.9	23.0	23.0
E21C2c013	Midstream LED Linear Fixture	25.8	25.8	20.8	20.8	16.3	16.3
E21C1a010	Lighting Fixture - Exterior w/ Controls	14.1	14.1	0.0	0.0	14.1	14.1
E21C2b013	Performance Lighting - Interior w/o Controls	22.3	22.3	11.3	11.3	8.7	8.7
E21C1b009	Daylight Dimming	61.7	61.7	8.5	8.5	8.3	8.3
E21C1c010	Midstream LED Downlight	18.7	18.7	11.2	11.2	7.9	7.9
E21C2a012	Lighting Fixture - Interior w/ Controls	16.8	16.8	8.4	9.6	6.5	6.5
Total		2,519.8	2,519.8	1,139.7	1,216.7	1,370.5	1,370.5
Variance		0%		-6%		0%	

Together, lighting measures account for 1,139.7 kW of summer demand savings (84% of the audited sample) and 1,370.5 kW of winter demand savings (88% of the audited sample). Overall, UES’s calculations return nearly identical maximum load reduction and winter demand totals, but summer demand totals 6% lower than our independent calculations. Most differences occur when the New Hampshire TRM cited a realization rate above 100%. In those instances, the BC modeling assumptions capped the realization rate at a more conservative rate of 100%. Quantity, in-service rates, summer/winter coincidence factors, and measure lives were each applied correctly for all lighting measures in our review. As such, DSA confirms that the approved ISO NE Measurement & Verification (M&V) Plan was followed and considers the reported DRV contributions to be sound.

3.3.2 Non-Lighting and Custom Measures

The audit sample also included eight non-lighting and custom measures. For all measures, DSA cross-checked the demand impact parameters with the 2021 NH TRM to ensure consistency; while also reviewing project-specific documentation on the custom measures to assess the accuracy of the Company’s max kW calculation. Findings are presented in [Table 4](#) and [Table 5](#) below.



Table 4: Overview of Non-Lighting Measures Findings

Measure	Common Name	Max. Load Reduction		Summer Demand		Winter Demand	
		UES	DSA	UES	DSA	UES	DSA
E21C1a043	Variable Frequency Drive	61.9	61.9	52.2	78.3	61.9	87.6
E21A2a023	Insulation, Electric	114.7	114.7	0.0	0.0	49.2	46.9
E21A3b027	Primary Refrigerator Recycling	14.9	14.9	11.8	11.8	9.6	9.7
E21A3b024	ES Pool Pumps (Variable Speed)	137.9	137.9	75.7	75.8	0.0	0.0
Total		329.4	329.4	139.7	165.9	120.7	144.2
Variance		0%		-19%		-19%	

In total, these non-lighting measures contributed 139.7 kW of summer demand (10% of the audited sample) and 120.7 kW of winter demand (8% of the audited sample). Overall, the UES values for summer and winter demand savings are lower than the outputs of independent review. The difference comes almost entirely from the Variable Frequency Drive measure where UES uses lower realization rates and summer coincidence factors than the 2021 NH TRM.84

Table 5: Overview of Custom Measures Findings

Measure	Common Name	Max. Load Reduction		Summer Demand		Winter Demand	
		UES	DSA	UES	DSA	UES	DSA
E21C1a007	Custom Large Refrigeration Retro	35.9	35.9	35.9	35.9	28.2	28.4
E21C1a006	Custom Large Process Retro	19.2	19.2	19.2	19.2	19.2	19.2
E21C1a013_13_28	Lighting Fixture - Interior w/o Controls	47.4	47.4	23.9	23.9	18.4	18.4
E21C1b008	City of Concord Custom VFD	11.7	11.7	11.7	11.7	0.0	0.0
Total		114	114	90.7	90.7	65.9	66.0
Variance		0%		0%		0%	

In total, these custom measures contributed 90.7 kW of summer demand (7% of the audited sample) and 65.9 kW of winter demand (4% of the audited sample). UES’s calculations returned near identical summer and winter demand totals to our own. Similar to the bottom-up findings for lighting measures, our review of all non-lighting and custom measure characterizations returned a high degree of alignment between the New Hampshire TRM and UES’s calculations of summer and winter DRV.

4 THE STATISTICAL UNCERTAINTY CALCULATIONS

Section 7.2 (Statistical Sampling) of the M-MVDR states that statistical sampling of demand reduction measures is permitted, “provided the population estimates derived from sampling achieve 10% relative precision with no less than 80% confidence interval”.⁴ The Company’s FCM Demand Resource M&V Plan calls for stipulated parameter assumptions adjusted by the results of independent program evaluations for the majority of its DRV. Therefore, the key question for this independent review is:

At the 80% confidence level, what is the relative precision of the aggregate summer and winter kW impacts (over the full review period)?

The impact factors that potentially carry statistical uncertainty for purposes of this exercise are the in-service rate, summer and winter coincidence factors, and the summer and winter demand realization rates. Sampling uncertainty varies by impact factor and can vary by market, end use, core initiative, and even by specific measure for some lighting measures, though this distinction is likely unimportant to ISO-NE (e.g., uncertainty is uncertainty). DSA cataloged the relevant uncertainty assumptions for each impact factor from the underlying evaluation studies and used these granular values in the precision calculations.

While reporting to ISO-NE focuses on the point estimate of each parameter, the statistical sampling component of the compliance review examines the amount of aggregate uncertainty in the DRV associated with these sampling-based parameter inputs. Prior to performing the statistical calculations, DSA isolated the factors of interest from evaluation studies completed in New Hampshire and neighboring states. During review relative precision assumptions for coincidence factors and realization rates were logged and checked against the UES BC model.

After assembling precision factors from 2021 installations, the next task was to construct a database of relevant measures for analysis. This required appending 2021 installations to records from the Company’s 2021 BCR file to the asset’s measures installed in prior years (Measures in Market from the Energy Efficiency Measures tracking database, “EEM”). To develop relative precision estimates for measures that will be active in the market as of June 1, 2022 this appended dataset was classified into following three parts:

- 1) Measures in Market as of June 1, 2021: Demand Side Analytics completed the FCM certification of all UES resources with active DRV contribution and computed the associated statistical precision. The relative precision for Summer was 8.43% Winter was 7.75%. This included a mix of precision values compiled by DSA for the two prior certification reports and historic precision values compiled by the Company’s prior certification contractor (DNV-GL).
- 2) Expired: Measures that expired between June 1, 2021 and May 31, 2022. Historical uncertainty factors collected by the previous independent certification contractor were used to identify and

⁴ https://www.iso-ne.com/static-assets/documents/2017/02/mmvd_r_measurement-and-verification-demand-reduction_rev6_20140601.pdf



quantify the relative precision corresponding to these records. Historical uncertainty factors were applied for the appropriate market, end use and auction.

- 3) Newly Installed: Cataloged the precision associated with new measures installed in 2021 from impact evaluations conducted in New Hampshire or neighboring states cited by the New Hampshire Technical Reference Manual for Estimating Savings from Energy Efficiency Measures, 2021 Program Year.

First we calculate the “remaining” DRV by subtracting the DRV of Expired measures from the DRV of Measures in Market as of June 1, 2021 and then compute the precision of the previously certified resources that are still active as of June 1, 2022. Next we add the Newly Installed DRV from 2021 and compute the precision of the full DRV that will be active June 1, 2022 (Remaining plus Newly Installed).

To calculate the uncertainty associated with the aggregate DRV for each of the Expired and Newly Installed parts, demand impacts are summed up across market, end use, program and measures for records using the same relative precision estimates. Equation 3 presents the general form of the accompanying uncertainty calculation. Error bounds are a margin of error expressed in kW at the 80% confidence level. The exact definition of ‘measure’ varies by sector, end-use, and initiative.

Equation 3: Formula for Aggregation of Uncertainty

$$Error\ Bound_{Summer} = \sqrt{Error\ Bound_{Measure1}^2 + Error\ Bound_{Measure2}^2 \dots + Error\ Bound_{Measure_N}^2}$$

The following sections summarize the relative precision factors applied for the uncertainty analysis as well as the resulting uncertainty estimates for the Company’s portfolio.

4.1 Summary of Relative Precision Factors

Table 6 summarizes the relative precision factors collected by market and end use for measures that were installed in 2021. Summer and winter DRV totals are provided for context. Commercial lighting measures have the most granular factor schedule and requires several distinct precision assumptions. Most other evaluation results are more broad at the sector and end-use level.



Table 6: Relative Precision Factors (at 80% Confidence) by Market, End Use for 2021 Installations⁵

Market & End Use	Adjusted Gross Summer kW	Adjusted Gross Winter kW	Summer kW Relative Precision	Winter kW Relative Precision	Source
Commercial Interior Lighting	365	286	10.7%	11.7%	Large C&I Study
Commercial Exterior Lighting	0	292	0%	0%	
Commercial Interior Lighting	146	102	11.5%	13.6%	Upstream Lighting Study
	9	8	18.4%	36.1%	Prescriptive Lighting Study (Controls)
	643	518	11.2%	18.7%	Small/Municipal C&I Lighting Study
Commercial Exterior Lighting	0	182	0%	0%	
Commercial Motors & Drives	64	62	33.9%	37.0%	Custom Impact Evaluation
Residential Pool Pumps	76	0	22%	22%	Navigant Res 1 Baseline Load Shape Study
Residential Building Shell	0	49	24.0%	24.0%	Navigant Res 1 Baseline Load Shape Study
Commercial Process	19	19	6.8%	15.3%	Large C&I Study
Residential Refrigeration	12	10	4.1%	4.1%	Navigant Res 1 Baseline Load Shape Study
All Other	137	106	100.0%	100.0%	Precision Undefined, Assume ±100%
TOTAL	1,471	1,634	6.7%	7.3%	...

4.2 Results

Table 7 shows the results for summer and winter demand. The Error Bound Squared column is calculated by multiplying the aggregate seasonal demand reduction for the newly installed DRV associated with each unique relative precision factor in Table 6, squaring the result for each precision factor, summing across all precision factors, then adding in squared error for the DRV remaining from the prior year’s certification. The Error Bound for each season is the square root of the Error Bound² column and the resulting portfolio level relative precision is the error bound divided by the total capacity. Relative precision is below 10.0% for both summer and winter so UES’s portfolio is compliant with the statistical sampling requirements of the M-MVDR for summer and winter demand.

⁵ Confidence levels (80% or 90%) were recorded for all summer and winter relative precision factors. Factors with 90% confidence were converted to 80% to ensure apples to apples comparisons and to ensure the ISO-NE criteria were addressed.



Table 7: Statistical Uncertainty Calculation by Season

Season	DRV (kW)	Error Bound Squared (80%)	Error Bound (80%)	Relative Precision (80%)
Summer	15,132	1,514,313	± 1,231	8.13%
Winter	15,923	1,353,896	± 1,164	7.31%

As an example, the detailed calculation of the statistical uncertainty associated with the summer DRV (summarized in Table 7) is shown below. The statistical uncertainty is equal to the square root of the sum of the squared error bounds. To express the uncertainty on a relative basis, the aggregate uncertainty is divided by the summer DRV.

$$\text{Summer DRV Uncertainty} = \sqrt{1,514,313} = \pm 1,231 \text{ kW}$$

$$\text{Summer DR Relative Precision at 80\% Confidence} = \frac{1,231 \text{ kW}}{15,132 \text{ kW}} = \pm 8.13\%$$

The calculated precision of ± 8.13% at the 80% confidence interval is less than the allowable limit of ± 10%, so UES is compliant with the statistical sampling requirements of the M-MVDR for summer demand.

5 CONCLUSION

Based on the review activities discussed in this report, Demand Side Analytics confirms that UES is compliant with the M&V requirements ISO-NE has established for demand resources in the Forward Capacity Market.

Our independent review confirmed that the peak demand impacts prepared for upload to the EEM database are aggregated using documented business rules and adjusted by the appropriate impact factors. The independently verified values for each entry matched those that will be provided by the Company to ISO-NE, indicating a successful data aggregation procedure. In addition to checking these inputs, DSA also checked the formulas for the resulting adjusted gross summer and winter kW, and found these to be constructed correctly and consistently across the population of measures. As called for in the Company’s approved M&V plan with ISO-NE, the demand impacts stored in the tracking system and adjusted in the BC model were calculated as the wattage difference between baseline conditions and the installed measure. In the limited cases where our independent replica DRV calculations differed from the Company’s, the UES estimates were more conservative.

The summer and winter demand impact of UES’s resources is well within the statistical precision requirements of the M-MVDR. At the 80% confidence level, the relative precision of UES’s aggregate DRV value is ± 8.13% for summer demand and 7.31% for winter demand.



Independent Statistics & Analysis

U.S. Energy Information Administration

FORM EIA-861

ANNUAL ELECTRIC POWER INDUSTRY REPORT

OMB No. 1905-0129
Approval Expires: 05/31/2023
Burden Hours: 12.75

Entity Name: **Unitil Energy Systems**
Entity ID: **24590** Data Year: **2021**

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Schedule 6. Part A. 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.

DSM Administrators only- List all utilities that you provide service for.

State	NH	Balancing Authority	ISO New England Inc.				
			RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
Reporting Year Incremental Annual Savings							
1	Energy Savings (MWh)		5,823	7,769	1,942		15,534
2	Peak Demand Savings (MW)		0.827	1.112	0.278		2.2
Incremental Life Cycle Savings							
3	Energy Savings (MWh)		25,135	80,068	27,462		132,665
4	Peak Demand Savings (MW)		0.827	1.112	0.278		2.2
Reporting Year Incremental Costs							
5	Customer Incentives		1,595.772	2,065.920	526.080		4,188
6	All other costs		450.090	516.480	119.520		1,086.1
Incremental Life Cycle Costs							
7	Customer Incentives		1,595.772	2,065.920	526.080		4,188
8	All other costs		450.090	516.480	119.520		1,086.1
Weighted Average Life for Portfolio (Years) Select hyperlink to access weighted average life spreadsheet							
9	Weighted Average Life Calculator		Residential	Commercial	Industrial	Transportation	
10	Weighted Average Life		6.63	10.57	10.57	0.000	

Please provide website address to your energy efficiency program reports: <http://www.puc.nh.gov/Electric/coreenergyefficiencyprograms.htm>