- 1 **Q**. Please provide in Excel file format, if applicable, any summary and detailed data 2 Newfoundland Power has on the percentage of customers that use electric heat as 3 the primary heating system, and the proportion of other fuels used for heating, for 4 each of the major sectors and with further disaggregation if available (residential, 5 small commercial, large commercial, industrial, institutional, etc.) 6 7 Newfoundland Power surveys residential customers annually to understand the types of Α. 8 heating systems being used, including fuel types. Attachment A to this response provides 9 the survey results for 2018. 10 Newfoundland Power surveys commercial customers periodically to understand their 11 usage of various heating systems and fuel types. Attachment B to this response provides 12 this information by rate class and segment for commercial customers on the Island 13 Interconnected System for 2018.<sup>1</sup> Attachment C provides the full results of the survey, 14 which includes additional information on the energy usage of commercial customers on 15 16 the Island Interconnected System.<sup>2</sup> 17
- Attachments A through C are provided in Excel format on Newfoundland Power's
   stranded website at <u>https://ftp.nfpower.nf.ca/</u>.

<sup>&</sup>lt;sup>1</sup> Sample sizes may be small for certain heating systems.

<sup>&</sup>lt;sup>2</sup> Please note that some responses are not statistically valid due to sample size.

Survey Results – Residential Home Heating Systems

### Newfoundland Power Percent of Residential Customer Homes by Heating System

2018	
Electric Baseboard	71.0%
Wood Stove (including wood pellet stove)	17.0%
Forced Air Furnace (oil)	15.0%
Mini Split Heat Pump	10.0%
Propane heater/fireplace/stove	9.0%
Hot Water Furnace (oil)	8.0%
Forced Air Furnace (electric)	5.0%
Hot Water Furnace (electric)	5.0%
Other Electric heaters/space heaters	3.0%
Wood furnace	2.0%
Central Air Source Heat Pump	2.0%
Miscellaneous mentions	2.0%
Wood/Oil Furnace Combination	1.0%
Wood burning fireplace	1.0%
Ground Source Heat Pump	1.0%
In floor heating	1.0%
Radiant Panels	1.0%
Heat pump (general) Column totals may exceed 100% due to multiple responses	1.0%

The list above captures both preprogrammed responses, as well as systems mentioned in other. The question below was not asked for systems that were mentioned in the other category

Newfoundland Power
Percent That Each Home Heating Systems Accounts For
2018

	Electric Baseboard	Wood Stove (including wood pellet stove)	Forced Air Furnace (oil)	Mini Split Heat Pump	Hot Water Furnace (oil)	Forced Air Furnace (electric)	Hot Water Furnace (electric)	Central Air Source Heat Pump	Ground Source Heat Pump	Radiant Panels	Miscellaneous mentions
Zero	31.8%	80.4%	82.4%	88.0%	89.2%	94.3%	93.1%	94.5%	95.9%	96.3%	78.0%
25% or less	11.2%	4.7%	1.2%	1.2%	0.2%	0.8%	1.2%	0.2%	0.2%	0.4%	9.8%
26% - 50%	6.9%	5.7%	2.5%	2.2%	0.6%	0.4%	0.6%	0.2%	0.2%	0.0%	2.5%
51% - 75%	3.7%	2.5%	1.6%	1.0%	0.8%	0.0%	0.2%	0.4%	0.0%	0.0%	1.6%
76% - 99%	6.9%	2.0%	2.7%	2.7%	2.9%	0.2%	0.8%	0.4%	0.2%	0.0%	1.4%
100%	36.5%	1.6%	6.5%	1.8%	3.1%	1.2%	1.0%	1.2%	0.4%	0.0%	3.5%
Don't know	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.0%	3.1%

**Survey Results – Commercial Heating Systems** 

### Island Interconnected Commercial Customers Fuel Source by Rate Class 2018

	2	018		
			Rate 2.3	Rate 2.4
		Rate 2.1 (11	0 kVA – 1000	(1000 kVA and
	Total	(0-100 kW)	kVA)	over)
Electricity	75.9%	75.6%	87.4%	38.6%
Fuel Oil/Diesel	14.8%	17.7%	7.7%	45.7%
Bottled Propane	1.1%	0.7%	2.0%	0.0%
Wood	1.7%	2.2%	1.0%	0.0%
Other	3.4%	3.8%	2.0%	15.7%

### Island Interconnected Commercial Customers Fuel Source by Segment 2018

				2018						
	Office	Retail	Grocery	Health	Education	Warehouse	Lodging	Other	Fishing	Manufacturing
Electricity	90.0%	73.9%	67.4%	90.3%	100.0%	76.2%	100.0%	76.8%	50.8%	64.6%
Fuel Oil/Diesel	8.3%	15.9%	17.7%	9.7%	-	19.0%	-	16.1%	49.2%	22.9%
Bottled Propane	-	7.0%	-	-	-	4.8%	-	-	-	6.3%
Wood	-	-	-	-	-	-	-	3.3%	-	6.3%
Other	1.6%	3.2%	14.9%	-	-	-	-	3.8%	-	-

# Island Interconnected Commercial Customers with Central Heating Systems by Rate Class

	2018		
	Rate 2.1 (0-100 kW)	Rate 2.3 (110 kVA – 1000 kVA)	Rate 2.4 (1000 kVA and over)
Furnace	49.4%	18.0%	-
Boiler	13.8%	14.1%	74.4%
Air Source Heat Pump	28.0%	41.0%	0.0%
Ground Source Heat Pump	3.6%	12.0%	25.6%
Other	5.3%	15.0%	-

# Island Interconnected Commercial Customers with Central Heating Systems by Segment

2018 Office Retail Health **Education Warehouse** Other Fishing Manufacturing Grocery Lodging 29.1% Furnace 27.0% 29.4% -38.4% 40.3% 40.3% 29.7% 75.9% -Boiler 9.0% 70.3% 7.3% 6.7% 63.0% --20.8% 20.8% 13.0% **Air Source Heat Pump** 45.2% 21.8% 61.6% 23.7% 23.7% 11.1% 58.2% -100.0% -**Ground Source Heat Pump** 8.8% 6.8% 37.0% -10.1% 10.1% ----Other 9.6% 8.2% 32.9% 5.1% 5.1% -----

## Island Interconnected Commercial Customers with Central Heating Systems - Fuel Source by Rate Class

2018		
Rate 2.1	Rate 2.3	Rate 2.4 (1000 kVA
(0-100 kW)	1000 kVA)	and over)
11.1%	21.7%	-
11.1%	5.0%	50.0%
-	-	-
1.0%	0.8%	-
1.0%	1.7%	12.5%
3.0%	4.2%	-
	Rate 2.1 (0-100 kW) 11.1% 11.1% - 1.0% 1.0%	Rate 2.1         (110 kVA –           (0-100 kW)         1000 kVA)           11.1%         21.7%           11.1%         5.0%           -         -           1.0%         0.8%           1.0%         1.7%

Not all customers have central heating systems therefore totals do not equal 100

### Island Interconnected Commercial Customers with Central Heating Systems - Fuel Source by Segment

	2018														
	Office	Retail	Grocery	Health	Education	Warehouse	Lodging	Other	Fishing	Manufacturing					
Electricity	13.2%	28.1%	13.9%	22.2%	33.3%	21.7%	7.7%	12.0%	-	5.0%					
Fuel oil/diesel	5.3%	12.5%	8.3%	11.1%	-	8.7%	-	11.0%	27.3%	15.0%					
Bottled Propane	-	-	-	-	-	-	-	-	-	-					
Wood (including wood pellets)	-	-	-	-	-	-	-	1.6%	-	5.0%					
Other	1.3%	3.1%	5.6%	-	-	-	-	1.0%	-	-					
Unknown	-	-	8.3%	11.1%	-	-	-	3.1%	9.1%	10.0%					

Not all customers have central heating systems therefore totals do not equal 100

### Island Interconnected Commercial Customers Auxiliary Heating Source by Rate Class 2018

20	)18		
		Rate 2.3	Rate 2.4
	Rate 2.1	(110 kVA –	(1000 kVA
	(0-100 kW)	1000 kVA)	and over)
Rooftop Units - Electric Resistance Coils	2.4%	11.1%	-
Rooftop Units - Electric Heat Pumps	1.0%	13.6%	-
Rooftop Units - Propane	0.3%	0.9%	-
Baseboards - Electric	47.3%	59.1%	68.6%
Air Handling Units - Electric Resistance Coils	3.7%	16.3%	7.1%
Unit Heaters - Electric	21.1%	32.6%	47.1%
Unit Heaters - Propane	1.0%	0.9%	7.1%
Infrared Radiant Heaters - Electric	2.0%	0.9%	15.7%
Infrared Radiant Heaters - Propane	-	-	15.7%
Packaged Terminal Air Conditioners - Electric	0.7%	6.4%	-
Ductless Heat Pumps - Independents - Electric	6.8%	13.6%	31.4%
Radiant In-Floor/Ceiling Heating - Electric	1.0%	3.4%	31.4%
Fireplaces - Electric	1.3%	2.8%	-
Fireplaces - Propane	1.1%	1.8%	-
Fireplaces - Wood or Pellet	1.3%	0.9%	-
Other	6.4%	6.2%	-

### Island Interconnected Commercial Customers Auxiliary Heating Source by Segment 2018

	2018													
	Office	Retail	Grocery	Health	Education	Warehouse	Lodging	Other	Fishing	Manufacturing				
Rooftop Units - Electric Resistance Coils	5.9%	6.6%	5.7%	-	-	-	18.0%	3.9%	-	11.2%				
Rooftop Units - Electric Heat Pumps	2.8%	10.8%	5.7%	8.6%	-	5.7%	-	4.8%	-	-				
Rooftop Units - Propane	-	3.6%	2.6%	-	-	-	-	-	-	-				
Baseboards - Electric	60.2%	42.0%	24.5%	87.9%	100.0%	60.0%	58.2%	46.7%	79.4%	62.9%				
Air Handling Units - Electric Resistance Coils	11.3%	3.6%	15.0%	8.6%	35.4%	9.5%	27.0%	3.4%	6.4%	10.3%				
Unit Heaters - Electric	14.6%	30.5%	28.2%	17.1%	64.6%	24.8%	18.0%	27.0%	55.3%	21.5%				
Unit Heaters - Propane	-	3.0%	2.6%	-	-	4.8%	-	-	11.3%	-				
Infrared Radiant Heaters - Electric	-	6.6%	-	-	-	-	-	3.3%	-	-				
Infrared Radiant Heaters - Propane	-	-	-	-	-	-	-	-	-	7.0%				
Packaged Terminal Air Conditioners - Electric	1.3%	-	2.6%	-	-	-	53.9%	-	-	5.6%				
Ductless Heat Pumps - Independents - Electric	4.1%	6.6%	21.7%	12.1%	-	20.0%	9.0%	8.3%	11.3%	9.6%				
Radiant In-Floor/Ceiling Heating - Electric	-	-	-	8.6%	-	-	-	3.7%	-	5.6%				
Fireplaces - Electric	-	3.0%	2.6%	12.1%	-	-	9.0%	1.6%	-	-				
Fireplaces - Propane	-	-	5.1%	-	-	-	18.0%	0.7%	-	-				
Fireplaces - Wood or Pellet	-	-	-	-	-	4.8%	7.4%	1.0%	-	5.6%				
Other	6.4%	-	6.0%	-	-	5.7%	16.4%	7.9%	-	4.0%				

Survey Results – Energy Usage of Commercial Customers 2018

		0	verall		r.	ate Class										Segm	ent								
			1	Fotal	210		230	240	1=	Office	2=Retail		rocery aurant	4=Health Services		=Education	6=Ware	ehouse	Hos	odging pitality URB		Other nercial	9=Fishing	10=Manu Refit Pulp&	ning
Variable Name	Variable Label	value	n	Est r	n Est	n	Est	n Est	n	Est	n Est	n	Est	n Es	t	n Est	n	Est	n	Est	n	Est	n Est	n	Est
2	Q2. How many electricity accounts in total serve the business or organization at this location?		390	1.97 2	77 1.	85 10	6 2.20	7 2.59	9 7'	1.76	30 3.88	32	1.39	8 1	.25	3 1.29	19	1.31	11	4.90	181	1.80	9 2.63	18	1
		Total	399	96.6% 28	32 100.0	0% 10	9 100.0%	8 100.0%	6 7	1 100.0%	31 100.0%	35	100.0%	9 100	0%	3 100.0%	20	100.0%	11	100.0%	182	100.0%	10 100.0%	19	100.
		1=Part of a building	65	15.2%	56 19.5	i%	8 7.4%	1 15.7%	6 25	5 34.8%	7 21.6%	9	24.9%	0		0 *	2	9.5%	c	•	19	10.1%	۰ ٥	2	9
		2=All of one																							
	Q3. Does your business or organization at this location	building, 3=Multiple	269	65.6% 18	35 66.1	% 8	2 75.4%	2 22.9%	6 42	2 59.8%	21 67.9%	23	65.8%	9 100	0%	2 70.8%	13	65.7%	8	74.3%	131	72.6%	4 41.0%	12	62
	occupy	buildings	65	15.8%	41 14.5	5% 1	9 17.1%	5 61.4%	6 4	4 5.4%	3 10.5%	3	9.3%	0		1 29.2%	5	24.8%	3	25.7%	32	17.2%	6 59.0%	5	28
а	Q3a. How many buildings does your business or organization occupy at this location?		63	3.60	40 3	92 1	8 3.03	5 3.47	, .	4 3.00	2 2.90	3	2.34			1 2.00	5	2.38		14.53	31	3.12	6 3.70	5	
-																									
		Total 1=Own	400 330	96.9% 28 80.2% 22		1 11		-	1 72 1 54	2 1 4 75.8%	31 1 22 70.3%	35	1 74.0%	9	1	3 1 1 35.4%	20 15	1 76.2%	11		182 159		10 1 10 1	19 15	79
		2=Rent/lease	63	14.9%						3 24.2%			26.0%		•	2 64.6%	5				109		0 *	4	
		3=Have some																							
	Q4. Do you own or rent the space where your business or organization is located?	other arrangement	7	1.8%	4 1.5	i% :	3 2.8%	0	. ,	, ·		0		0			0				7	4.1%	•	0	
							2.376				-			-		-	0				, ,		-	0	
		Total	398	96.8% 28	33	1 10	7 1	8	1 72	, ,	29 1	35		9	1	3 1	20		11	4	182		10 1	19	
	Q5. Does the electricity bill you receive for your business or organization also include electricity for any other businesses	1=Yes	44	10.9%		'% 1·		2 31.4%		7 24.2%					÷	0 *	20		C		102	9.5%	1 11.3%	0	
	or organizations?	2=No	354	85.9% 25	55 90.3	9	3 86.7%	6 68.6%	6 55	5 75.8%	23 78.1%	34	97.4%	9	1	3 1	20	1	11	1	165	90.5%	9 88.7%	19	
а	Q5a. How many OTHER businesses or organizations are included in your electricity bill?		39	5.05	25 3.	68 1	2 5.25	2 15.50	0 17	7 5.14	5 4.68	1	1.00								13	5.63	1 5.00		
		Total	400	96.6% 28		1 10		8				35		9	1	3 1	20	1	11	1	184	1	10 1	18	
		1=Before 1980 2=1980 to 1999	176	42.2% 13				1 7.1%		6 51.1% 3 25.2%			51.5% 25.4%		7%	0 *	3		5	45.1%	85 45	46.0% 24.5%	3 29.0%	5	2
		2=1980 to 1999 3=2000 to 2009	101 65	24.2%						3 25.2% 7 9.4%	7 22.9%	-	25.4%	-	-	1 29.2%	8		-	17.7% 19.4%	45 28		3 29.7% 3 31.9%	8	4
	Q6. When was the building you occupy constructed?	4=2010 or later	58	14.5%				4 54.3%		0.176			11.4%			1 35.4%	5			17.7%	26		1 9.3%	4	2
		Total	384	96.9% 20	38	1 10	8 1	8	1 67	7 1	30 1	35	1	8	1	3 1	20	1	11	1	176	1	10 1	18	
		1=Less than 500		00.070 2								00				<u> </u>	20								
		square feet	17	4.1%	14 5.1	%	3 2.5%	0	• •	1 1.7%	0 *	1	2.6%	0	•	0 *	0	•	1	8.0%	14	7.5%	0 *	0	
		2=500 up to 1,000 square feet	24	5.9%	21 7.8	1%	3 2.8%	0	• 1	1 15.9%	2 6.4%	1	2.6%	o		0 *	1	5.7%			8	4.5%	1 9.3%	0	
		3=1,001 up to																							
		2,000 square fee 4=2,001 up to	63	15.3%	59 21.9	1%	4 3.8%	0	• 14	19.9%	7 22.2%	5	13.8%	0	•	0 *	4	19.0%	C		31	17.3%	1 9.3%	1	
		3,000 square fee	40	9.6%	39 14.5	6%	1 0.9%	0	• 1	15.6%	5 15.9%	9	23.8%	0	•	0 *	0	•	c	• •	15	8.4%	۰ ۰	0	
		5=3,001 up to	57	14.2%	-0 10.0	)%	7 6.6%	0	• •	2 18.1%	2 6.4%	6	17.3%	1 11	10/	o •	3	14.3%		8.0%	28	15.9%	1 11.3%	1	
		5,000 square fee 6=5,001 up to	57	14.270	50 19.0	//0	7 0.0 %	0	14	10.176	2 0.470	. 0	17.376	1 11	4 /0	0	3	14.370		0.0 %	20	13.976	1 11.370		
		10,000 square fe	50	12.5%	38 14.0	)% 1	1 10.3%	1 15.7%	6 5	5 7.4%	3 9.5%	5	15.2%	0	•	0 *	6	28.5%	c	• •	26	14.3%	۰ 0	4	2
		7=10,001 up to 25,000 square f	51	13.4%	28 10.6	5% 2	2 20.7%	1 15.7%	6 6	6 9.9%	3 10.2%	4	12.2%	0		2 64.6%	2	9.5%	2	17.7%	22	12.9%	3 34.7%	6	3
		8=25,001 up to																							
		50,000 square f	40	10.9%	7 2.6	5% 3	2 29.5%	1 15.7%	6 3	3 4.9%	4 14.7%	1	3.2%	3 41	5%	0 *	3	17.2%	3	29.1%	16	9.8%	2 22.6%	4	2
		9=50,001 up to 100,000 square	27	6.9%	8 3.0	1	5 13.5%	4 37.1%	6 2	2 3.4%	3 10.9%	2	6.1%	4 47	1%	1 35.4%	0		4	37.1%	6	3.2%	2 12.8%	2	1
	Q7. Approximately how many square feet does your business	10=100,001 or																							
	or organization occupy at this location, including all buildings? Q7a. What is the square footage occupied by your business	more	15	4.1%	4 1.5	5% 1	0 9.4%	1 15.7%	6 2	2 3.1%	1 3.8%	1	3.2%	0	•	0 .	1	5.7%	C		10	6.2%	0.	0	
а	or organization at this location?		2	60.85	1 25.	00	1 100.00	•	•			1	100.00	•	•		•			•	1	25.00			
		Total	396	96.8% 28	_	1 10		-	1 70		31 1	35		8	1	3 1	20	1	11		182	1	10 1	19	
		1=One storey	211	50.8% 10		4					18 56.7%					1 29.2%	15				103	56.1%	2 18.7%	10	
		2=Two storeys 3=Three storeys	141 28	34.7% 9 7.0%	94 33.6 16 5.7	5% 4 '% 1:				5 49.9% 5 7.7%	12 40.2% 1 3.1%	-		2 26		1 35.4% 1 35.4%	4		2		59 14		8 81.3% 0 *	9	4
		4=Four storeys	12		4 1.4			1 15.7%		4 6.3%	0 *	1			*	0 *	1			17.7%	4		0 *	0	
		5=Five storeys	2	0.0010	0		2 1.9%		• (		0 *	0		0	•	0 *	0		1		1		0 *	0	
	business or organization at this location, including any	6=Six or more										_					_								
	basements? Q8a. How many stories are occupied by your business or	storeys	2	0.6%	0	•	2 1.9%	0	• (	, ,	0 *	0	•	0	•	0 *	0	•	1	9.7%	1	0.6%	0 *	0	
а	organization at this location?		2	6.50	•	•	2 6.50	•	•	• •		•	•	•	•				1	7.00	1	6.00			
	Q9. Including yourself, how many employees does your																								
	business or organization have at this location, including both full-time and part-time employees.		389	10 02 2	74 6		2 27.70	0 400 70			30 13.60		00.74	9 65	~	3 16.91		24.60		26.80	179	8.48	9 119.77	19	2

0_a3 Mon 0_a4 O10 0_b3 Tues 0_b4 Tues 0_c3 O10 0_c4 Wed 0_c4 Wed 0_c4 O10 0_c4 O10 0_c4 O10 0_c4 O10 0_c4 O10 0_c3 O10 0_c3 O10 0_c3 O10 0_c4 Satu 0_c14 Satu 0_c10 0_c3 Sunc 0_c10 0_c3 O10 0_c10 0	0_e4. What are your normal operating hours on Friday?	value       Total       1=Selected       1=Selected	n 410 69 410 25 69 12 69 13 68 13 68	otal         n           Est         n           96.7%         292           16.7%         28           96.7%         242           5.9%         24           16.7%         28           3.0%         11           16.7%         28           3.1%         12           16.5%         28	2 1 3 9.5% 2 1 4 8.6% 3 9.5% 4.1% 3 9.5%	n 1 110 5 36 1 110 5 1 5 36 5 1	1 32.4% 1 0.9% 32.4% 0.9%	5 52.9%	75 1 1.	st n 1 3 5% 1 3 3%	2 1	3=Grocery Restaurant           n         Est           36         1           2         5.1%           36         1           1         2.6%	Ser n 9 9	Health rvices Est 1 1 1	5=Educ: n 3 0	Est 1 •	6=Ware n 20 3 20	house	12 10 12	ality	8=Oth Comme n 184 39 184	ercial Est 1 21.6% 1	10	hing Est 1 26.8% 1	10=Manuf Refin Pulp&F n 19 2	ning
Name         010,           0_a3         Mond           0_a4         Mond           0_b3         Tues           0_b4         Tues           0_b4         Tues           0_b4         Tues           0_b4         Tues           0_c3         Wedi           0_c4         Wedi           0_d3         Thur           0_d4         Thur           0_d3         Thur           0_e3         24 hd           0_e4         Clos           0_e4         Clos           0_13         Satu           0_14         Satu           0_g3         Sunc           0_g4         Sunc	0_a3. What are your normal operating hours on     nday? 24 hours     0_a4. What are your normal operating hours on     day? Closed     0_b3. What are your normal operating hours on     saday? A hours     0_b4. What are your normal operating hours on     saday? Closed     0_c3. What are your normal operating hours on     dnesday? Closed     0_c4. What are your normal operating hours on     dnesday? Closed     0_c4. What are your normal operating hours on     dnesday? Closed     0_c4. What are your normal operating hours on     raday? Closed     0_d3. What are your normal operating hours on     raday? Closed     0_d4. What are your normal operating hours on     raday? Closed     0_e3. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     hours     0_e4. What are your normal operating hours on     Friday?     1.3. What are your normal operating hours on     J.14. What are your normal operating hours on	Total           1=Selected           Total           1=Selected	410 69 410 25 69 12 69 13 68 13	96.7% 292 16.7% 28 96.7% 292 5.9% 24 16.7% 28 3.0% 11 16.7% 28 3.1% 12	2 1 3 9.5% 2 1 4 8.6% 3 9.5% 4.1% 3 9.5%	1 110 36 1 110 1 110 36 36 1	1 32.4% 1 0.9% 32.4% 0.9%	8 1 5 52.9% 8 1 0 * 5 52.9%	75 1 1. 75 1 1.	1 3 5% 1 3 3%	2 1 0 * 2 1	36 1 2 5.1% 36 1	9	Est 1 1	3 0 3	Est 1 •	20 3	1	12 10 12	1	184 39 184	1 21.6% 1	10 3 10	1	n 19 2	Est
0_a3 Mon 0_a4 O10 0_b4 Tues 0_b4 Tues 0_b4 Tues 0_c3 O10 0_c4 Wed 0_c4 Wed 0_c4 O10 0_c4 O10 0_c	nday? 24 hours  0_a4. What are your normal operating hours on nday? Closed  0_b3. What are your normal operating hours on sday? 24 hours  0_b4. What are your normal operating hours on dnesday? 24 hours  0_c4. What are your normal operating hours on ndnesday? Closed  0_c3. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on Srday? Closed  0_c4. What are your normal operating hours on Srday? Albours  0_c4. What are your normal operating hours on Friday? hours  0_c4. What are your normal operating hours on Friday? bhuts  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Jurday? 24 hours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday?	1=Selected           Total           1=Selected	69 410 25 69 12 69 13 68 13	16.7%         28           96.7%         292           5.9%         24           16.7%         28           3.0%         11           16.7%         28           3.0%         12           3.1%         12	3 9.5% 2 1 4 8.6% 3 9.5% 4.1% 3 9.5%	36 1 110 36 36 4 1	1 0.9% 32.4% 0.9%	8 1 0 * 5 52.9%	1 1. 75 1 1.	5% 1 3 3%	0 • 2 1	2 5.1% 36 1	9	1	3	1	3	1 16.2% 1	10 a 12	1 85.2% 1	39 184	1	3 10	1 26.8% 1	2	11.3
0_a3 Mon 0_a4 O10 0_b4 Tues 0_b4 Tues 0_b4 Tues 0_c3 O10 0_c4 Wed 0_c4 Wed 0_c4 O10 0_c4 O10 0_c	nday? 24 hours  0_a4. What are your normal operating hours on nday? Closed  0_b3. What are your normal operating hours on sday? 24 hours  0_b4. What are your normal operating hours on dnesday? 24 hours  0_c4. What are your normal operating hours on ndnesday? Closed  0_c3. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on srday? Closed  0_c4. What are your normal operating hours on Srday? Closed  0_c4. What are your normal operating hours on Srday? Albours  0_c4. What are your normal operating hours on Friday? hours  0_c4. What are your normal operating hours on Friday? bhuts  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Jurday? 24 hours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday? bours  0_c4. What are your normal operating hours on Friday?	1=Selected           Total           1=Selected	69 410 25 69 12 69 13 68 13	16.7%         28           96.7%         292           5.9%         24           16.7%         28           3.0%         11           16.7%         28           3.0%         12           3.1%         12	3 9.5% 2 1 4 8.6% 3 9.5% 4.1% 3 9.5%	36 1 110 36 36 4 1	1 0.9% 32.4% 0.9%	8 1 0 * 5 52.9%	1 1. 75 1 1.	5% 1 3 3%	0 • 2 1	2 5.1% 36 1	9	1	3	1	3	16.2%	10 a 12	85.2%	39 184	1	3 10	26.8%	2	11.
0_a4 Mone 0_b3 Tues 0_b3 Tues 0_b4 Tues 0_c3 C10, 0_c4 Wed 0_c4 Wed 0_c4 Wed 0_c4 Ues 0_c4 C10, 0_c4 C10, 0_c4 Clos 0_c4 Clos 0_c4 Clos 0_c4 Clos 0_c4 Satu 0_c14 Satu 0_c10, 0_g3 Sunc 0_g4 Sunc	nday? Closed 0_b3. What are your normal operating hours on saday? 24 hours 0_b4. What are your normal operating hours on dnesday? 24 hours 0_c3. What are your normal operating hours on dnesday? Closed 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on O_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on O_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected	25 69 12 69 13 68 13	5.9%         24           16.7%         28           3.0%         11           16.7%         28           3.1%         12	8.6% 9.5% 4.1% 9.5%	5 1 5 36 5 1	0.9%	0 * 5 52.9%	1 1.	3%			-	1	3	1	20	1		1		1		1	19	
0_a4 Mone 0_b3 Tues 0_b3 Tues 0_b4 Tues 0_c3 C10, 0_c4 Wed 0_c4 Wed 0_c4 Wed 0_c4 Ues 0_c4 C10, 0_c4 C10, 0_c4 Clos 0_c4 Clos 0_c4 Clos 0_c4 Clos 0_c4 Satu 0_c14 Satu 0_c10, 0_g3 Sunc 0_g4 Sunc	nday? Closed 0_b3. What are your normal operating hours on saday? 24 hours 0_b4. What are your normal operating hours on dnesday? 24 hours 0_c3. What are your normal operating hours on dnesday? Closed 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on srday? Closed 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? hours 0_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on Friday? O_c4. What are your normal operating hours on O_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on O_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on Friday? D_c4. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected	25 69 12 69 13 68 13	5.9%         24           16.7%         28           3.0%         11           16.7%         28           3.1%         12	8.6% 9.5% 4.1% 9.5%	5 1 5 36 5 1	0.9%	0 * 5 52.9%	1 1.	3%			-		3											
0_b3 Tues 0_b4 Tues 0_b4 Tues 0_c3 Wed 0_c3 Wed 0_c4 010 0_c4 010 0_d3 Thur 0_d3 Thur 0_d3 C10 0_e3 24 hd 0_e3 24 hd 0_e3 24 hd 0_e3 Satu 0_e3 Satu 0_e3 Satu 0_e3 Sunc 0_e3 Sunc 0_	seday? 24 hours 0_b4. What are your normal operating hours on sidnesday? Closed 0_c3. What are your normal operating hours on idnesday? 24 hours 0_c4. What are your normal operating hours on idnesday? Closed 0_d3. What are your normal operating hours on ursday? 4 hours 0_c4. What are your normal operating hours on ursday? Closed 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? bours 0_e4. What are your normal operating hours on Friday? o_e4. What are your normal operating hours on Friday? 0_d4. What are your normal operating hours on 0_d4. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected	12 69 13 68 13	3.0% 11 16.7% 28 3.1% 12	9.5%	5 1	0.9%		1 1.	5%				•	0	•	1	4.8%	0	•	22	12.1%	0	•	0	
0_b4 Tues 0_b4 Tues 0_c3 Wed 0_c3 Wed 0_c4 Wed 0_c4 Wed 0_c4 Thur 0_c4 Clos 0_c4 Clos	0_0.4. What are your normal operating hours on esday? Closed 0_c.3. What are your normal operating hours on divesday? 24 hours 0_c.4. What are your normal operating hours on indivesday? Closed 0_c.4. What are your normal operating hours on irsday? 24 hours 0_c.4. What are your normal operating hours on irsday? 2 Closed 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Friday? bours 0_c.4. What are your normal operating hours on Cl.4. What are your normal operating hours on Friday? Cl.4. What are your normal operating hours on Cl.4. What are your normal operating hours on Friday? Cl.4. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected 1=Selected 1=Selected	12 69 13 68 13	3.0% 11 16.7% 28 3.1% 12	4.1% 9.5%	5 1	0.9%		1 1.		n •	2 5.1%		1	0		3	16.2%	10	85.2%	39	21.6%	3	26.8%	2	11.
0_b4 Tues 0_c3 Uved 0_c3 Uved 0_c4 Uved 0_d3 C10 0_d3 C10 0_d4 Thur 0_d4 Thur 0_d4 Clos 0_e4 Clos 0_e4 Clos 0_e4 Clos 0_f3 Satu 0_f4 Satu 0_g3 Sunc 0_g4 Sunc	seday? Closed 0_C3. What are your normal operating hours on dinesday? 24 hours 0_C4. What are your normal operating hours on ursday? Closed 0_C3. What are your normal operating hours on ursday? 24 hours 0_C4. What are your normal operating hours on Friday? 0_C4. What are your normal operating hours on Friday? Nours 0_C4. What are your normal operating hours on Friday? Seed 0_C3. What are your normal operating hours on Friday? Unday 24 hours 0_C4. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected 1=Selected	69 13 68 13	16.7% 28 3.1% 12	9.5%			0 *			0	2 3.176			0		3	10.2 /6	10 0	55.2 /6	- 39	21.076	3	20.0 %		
0_c3 Wed 0_c4 Wed 0_c4 Wed 0_d3 Thur 0_d3 Thur 0_d4 C100 0_d4 C100 0_d4 C100 0_d4 C100 0_d4 C100 0_d10 C100 0_d3 Satur 0_d10 0_d3 Satur 0_d3 C100 0_d3	dnesday? 24 hours 0_c4. What are your normal operating hours on stdnesday? Closed 0_d3. What are your normal operating hours on ursday? 24 hours 0_d4. What are your normal operating hours on Friday? bours 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? turday? 24 hours 0_14. What are your normal operating hours on	1=Selected 1=Selected 1=Selected 1=Selected	13 68 13	3.1% 12		36			0	•	• 0	1 2.6%	0	•	0	•	0	•	0	•	11	6.3%	0	•	0	
0_c4 Wed 0_t3 Thur 0_d3 Thur 0_d4 Thur 0_e3 24 hr 0_e4 Clos 0_f3 Satu 0_f4 Satu 0_f4 Satu 0_f4 Satu 0_f4 Satu 0_f4 Satu 0_f4 Satu 0_f4 Satu 0_f10 0_g3 Sunc 0_g4 Sunc	vdnesday? Closed 0_d3. What are your normal operating hours on ursday? 24 hours 0_d4. What are your normal operating hours on ursday? Closed 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? sed 0_13. What are your normal operating hours on urday? 24 hours 0_14. What are your normal operating hours on	1=Selected 1=Selected 1=Selected	68 13		4.4%		32.4%	5 52.9%	1 1.	5%	o •	2 5.1%	9	1	0		3	16.2%	10	85.2%	39	21.6%	3	26.8%	2	11
0_d3 Thur 0_d3 Thur 0_d4 Thur 0_e3 24 hr 0_e4 Closs 0_e4 Closs 0_e4 Closs 0_f4 Satu 0_g3 Sunc 0_g4 Sunc	0_d3. What are your normal operating hours on ursday? 24 hours 0_d4. What are your normal operating hours on Friday? hours 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? urday? 24 hours 0_13. What are your normal operating hours on	1=Selected 1=Selected 1=Selected	68 13			5 1	0.9%	o •	0		. ·		0		0		o		0		13	7.2%	0		0	
0_d4 Thur 0_d3 Thur 0_e3 24 hc 0_e3 24 hc 0_e4 Closs 0_f3 Satu 0_f4 Satu 0_g3 Sunc 0_g4 Sunc 0_g4 Closs	0_d4. What are your normal operating hours on ursday? Closed 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? sed 0_13. What are your normal operating hours on U/4. What are your normal operating hours on	1=Selected 1=Selected	13	16.5% 28																						
0_d4 Thur. 0100 0_e3 24 hr 0_e4 Closs 0_e4 Closs 0_f3 Satur 0_f4 Satur 0_g3 Sunc 0_g4 Sunc 0_g4 Sunc	ursday? Closed 0_e3. What are your normal operating hours on Friday? hours 0_e4. What are your normal operating hours on Friday? sed 0_f3. What are your normal operating hours on urday? 24 hours 0_f4. What are your normal operating hours on	1=Selected			9.5%	35	31.4%	5 52.9%	1 1.	5%	0 .	2 5.1%	9	1	0	•	3	16.2%	10 8	85.2%	39	21.6%	3	26.8%	1	5.
0_e3 24 hr 0_e4 Clos 0_e4 Clos 0_f3 Satu 0_0_f3 Satu 0_0_f4 Satu 0_g3 Sunc 0_g4 Sunc 0_g4 Sunc	hours 0_e4. What are your normal operating hours on Friday? sed 0_13. What are your normal operating hours on 4. What are your normal operating hours on		68	3.1% 12	4.4%	5 1	0.9%	۰ 0	0	•	o •	0 *	0	•	0	•	0	•	0	•	13	7.2%	0		0	
0_e4 Clos 0_f3 Satu 0_f3 Satu 0_f4 Satu 0_g3 Sunc 0_g4 Sunc	0_e4. What are your normal operating hours on Friday? sed 0_f3. What are your normal operating hours on urday? 24 hours 0_f4. What are your normal operating hours on			16.4% 29	9.8%	34	30.5%	5 52.9%	1 1.	5%	o •	2 5.1%	9	1	0		2	10.5%	10	85.2%	40	22.1%	3	26.8%	1	5
0_f3 Satu 0_f4 Satu 0_g3 Sunc 0_g4 Sunc 0_g4 Sunc	0_f3. What are your normal operating hours on turday? 24 hours 0_f4. What are your normal operating hours on	1=Selected													_		_						_			
0_f3 Satu 0_f4 Satu 0_g3 Sund 0_g4 Sund 0_g4 Sund	turday? 24 hours 0_f4. What are your normal operating hours on		18	4.4% 16	5.9%	5 2	1.8%	0 *	1 1.	7%	1 3.0%	0 .	0		0	•	0		0		16	9.0%	0	•	0	
0_f4 Satu Q10_ 0_g3 Sund 0_g4 Sund Q10_ Q10z		1=Selected	69	16.6% 30	10.2%	5 34	30.5%	5 52.9%	1 1.	5%	• 0	2 5.1%	9	1	0	•	2	10.5%	10	85.2%	41	22.6%	3	26.8%	1	5.
0_g3 Sund Q10_ 0_g4 Sund Q10a	uruuy. Groood	1=Selected	135	31.4% 107	36.7%	5 27	24.3%	1 15.7%	56 74.	1%	2 6.0%	0	0		2	64.6%	9	45.7%	0		50	26.8%	1	11.3%	10	53.
Q10_ 0_g4 Sund Q10a	0_g3. What are your normal operating hours on			40.000	0.50		00.50	5 50 000										40.5%		05.00/		04.000		00.00/		_
0_g4 Sund	nday? 24 hours 0_g4. What are your normal operating hours on	1=Selected	67	16.2% 28	9.5%	o 34	30.5%	5 52.9%	1 1.	5%	0 -	2 5.1%	9	1	0		2	10.5%	10 4	85.2%	39	21.6%	3	26.8%	1	5
Q10a 0a seas	nday? Closed	1=Selected	165	38.5% 131	44.9%	32	28.9%	2 31.4%	56 74.	1% 1	5 46.1%	1 2.6%	0	•	2	64.6%	12	59.0%	0	•	61	32.8%	1	11.3%	12	65
Q10a 0a seas		Total	390	96.5% 276	6 1	107	1	7 1	71	1 3	1 1	34 1	9	1	3	1	20	1	11	1	176	1	9	1	18	
Q10a 0a seas		1=Open all year	360	89.1% 257	93.0%	5 99	92.4%	4 64.4%	68 96.	0% 3	0 96.9%	32 93.7%	9	1	3	1	20	1	11	1	159	90.0%	4	52.9%	17	92
	0a. Is your business organization open all year or only asonally?	2=Open seasonally	30	7.4% 19	7.0%	8	7.6%	3 35.6%	3 4.	0%	1 3.1%	2 6.3%	0		0		0		0		17	10.0%	5	47.1%	1	7.
		Total	378	96.9% 268		1 102	1	8 1	71	1 3	n 1	31 1	8	1	3	1	20	1	11	1	171	1		1	17	
		1=Electricity	295	75.9% 203			87.4%	3 38.6%	64 90.		2 73.9%	21 67.4%		90.3%	3	1	15	76.2%	11	1	131	76.8%	4	50.8%	11	64
		2=Fuel oil/diesel	59	14.8% 47				4 45.7%			5 15.9%	5 17.7%		9.7%	0	•	4	19.0%	0	•	28	16.1%		49.2%	4	22
		3=Bottled propane	4	1.1% 2	2 0.7%	5 2	2.0%	0 *	0	•	2 7.0%	0 *	0	•	0	•	1	4.8%	0	•	0		0	•	1	6
		4=Wood (including wood																								
011	1. What is the MAIN source of energy used to heat your	pellets	7	1.7% 6	2.2%	5 1	1.0%	o •	o	•	• 0	0 .	0		0	•	0		0	•	6	3.3%	0		1	6
	siness or organization?	5=Something else	13	3.4% 10	3.8%	5 2	2.0%	1 15.7%	1 1.	6%	1 3.2%	5 14.9%	0	•	0	•	0	•	0	•	6	3.8%	0	•	0	
		Total	397	96.6% 281		108	1		70	1 3		35 1	8	1	3	1	20	1	11	1	182	1	9	1	19	
		1=Yes	125	30.5% 81			35.8%		15 21.		4 45.7%	13 38.8%				35.4%	7			8.0%	54	29.6%		42.0%	7	35
2 Q12.	2. Do you have a central heating system?	2=No	272	66.1% 200	) 71.3%	69	64.2%	3 38.6%	55 78.	2% 1	7 54.3%	22 61.2%	4	54.0%	2	64.6%	13	64.8%	10 9	92.0%	128	70.4%	5	58.0%	12	64
		Total	120	98.7% 81		34	1	5 1	13	1 1		13 1	3				5				55				-	
		1=Furnace	46	36.8% 40			18.0%		4 29.		4 27.0%	4 29.4%	-		0		-	38.4%	1	1	23	40.3%	4	29.7%	5	75
		2=Boiler	20	16.4% 11				4 74.4%	1 7.		1 6.7%	1 9.0%		63.0%	0		0	*	0	*	11	20.8%		70.3%	1	13
		3=Air-source heat																								
		pump	37	30.4% 23	3 28.0%	5 14	41.0%	0 .	6 45.	2%	8 58.2%	3 21.8%	0		1	1	3	61.6%	0		13	23.7%	0		1	11
013	3. What source of heat do you have for your central	4=Ground-source heat pump	8	7.2% 3	3.6%	4	12.0%	1 25.6%	1 8	8%	· ·	1 6.8%	1	37.0%	0		0		0		5	10.1%	0		0	
	ating system?	5=Other	9	8.0% 4			15.0%		1 9.	6%	1 8.2%	4 32.9%	0	•	0	•	0	•	0		3	5.1%	0	•	0	
		Total	120	1 81	1	34	1	5 1	14	1 1	4 1	13 1	3	1	1	1	6	1	1	1	52	1	4	1	7	
		1=Forced air	86	72.3% 60	74.5%	5 25	74.6%	1 25.6%	9 64.	7% 1	2 85.1%	12 93.2%	1	29.3%	1	1	5	83.9%	1	1	36	68.4%	2	66.5%	4	60
		2=Hot water and																								
		air handling u 3=Hot water and	25	20.7% 14	17.0%	5 7	20.2%	4 74.4%	4 28.	6%	1 6.7%	1 6.8%	2	70.7%	0	•	1	16.1%	0		10	20.7%	2	33.5%	2	28
		distributed he	4	3.0% 3			2.1%		0	•	• 0	0 .	0		0		0		0	•	3	5.4%	0	•	1	11
4 Q14.		4=Other	5	4.1% 4	4.9%	5 1	3.0%	0 *	1 6.	8%	1 8.2%	0 *	0	•	0	•	0	•	0	*	3	5.4%	0	•	0	
Q15	4. How does your central heating system distribute heat?																									
have			410	96.7% 292		110	1	8 1	75	1 3		36 1	9	1	3	1	20	1	12	1	184	1	10	1	19	
5_1 distri	5_1. What type(s) of auxiliary heating equipment do you ve in addition to or in place of a central heating system? No	lotal	51	11.8% 42	2 14.6%	6 8	7.1%	1 7.1%	10 13.	7%	5 14.9%	4 12.2%	0	•	0		2	9.5%	0	*	29	15.3%	1	9.3%	0	
Q15_		1 otal 1=Selected													v		2	3.3%	0		23	.3.370				
have 5_2 Roof	5_1. What type(s) of auxiliary heating equipment do you ve in addition to or in place of a central heating system? No	1=Selected															2	3.3%	U		23	.3.370				

			C	verall	-		Rate	Class		_										Segn	nent							
				Total		210		230	240	1	=Office	2:	=Retail	3=Gro Resta			Health rvices	5=Edu	cation	6=War	ehouse	Hos	odging pitality URB	8=0 Comn		9=Fishing	Re	nufacturing efining &Paper
Variable Name	Variable Label	value	n	Est	n	Est	n	Est	n Es	t n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n Est	n	Est
15_3	Q15_3. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Rooftop units – Electric heat pumps	1=Selected	18	4.6%				13.6%			2 2.8%		3 10.8%	2	5.7%		8.6%	0		1	5.7%			8	4.8%	0	•	0
	Q15_4. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system?																											
215_4	Rooftop units – Propane Q15_5. What type(s) of auxiliary heating equipment do you	1=Selected	2	0.5%	6 1	0.3%	1	0.9%	0		0		1 3.6%	1	2.6%	0		0		0	-	0	, .	0	-	0	-	0
15_5	have in addition to or in place of a central heating system? Baseboards – Electric	1=Selected	210	49.6%	6 139	47.3%	65	59.1%	6 68.6	6% 4	5 60.2%	6 1	3 42.0%	9	24.5%	8	87.9%	3	1	12	60.0%	7	58.2%	86	46.7%	8 79.4	% 1	2 62.9
15_6	Q15_6. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Air handling units – Electric resistance coils	1=Selected	30	7 20	/ 11	3.7%	10	16.3%	1 7	0/	8 11.3%		1 3.6%	E	15.0%	1	8.6%	1	35.4%	2	9.5%		27.0%	6	3.4%	1 6.4	v	2 10.3
15_0	Q15_7. What type(s) of auxiliary heating equipment do you	T=Selected	30	7.37	© 11	3.1%	10	10.3%	1 7.	70	0 11.37	0	1 3.0%	5	15.0%	1	0.0%		33.4%	2	9.5%	3	27.0%	0	3.4%	1 0.4	/o	2 10.3
15_7	have in addition to or in place of a central heating system? Unit heaters - Electric	1=Selected	101	24.3%	6 62	21.1%	36	32.6%	3 47.1	% 1	1 14.6%	6 1	0 30.5%	10	28.2%	2	17.1%	2	64.6%	5	24.8%	2	18.0%	48	27.0%	5 55.3	%	4 21.5
15_8	Q15_8. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Unit heaters – Propane	1=Selected	5	1.19	6 3	1.0%	1	0.9%	1 7.1	%	0		1 3.0%	1	2.6%	0		0		1	4.8%			1	0.3%	1 11.3	%	0
	Q15_9. What type(s) of auxiliary heating equipment do you														,													
15_9	have in addition to or in place of a central heating system? Infrared radiant heaters – Electric	1=Selected	8	1.9%	6 6	2.0%	1	0.9%	1 15.7	%	0	•	2 6.6%	0	•	0	•	0		c	•	0	•	6	3.3%	0	•	0
215_10	Q15_10. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Infrared radiant heaters – Propane	1=Selected	1	0.3%	6 0		0		1 15.7	%	0	. ,	o •	0		0		0		C		C	, .	0		0		1 7.0
	Q15_11. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system?																											
15_11	Packaged terminal air conditioners – PTACs – Electric Q15_12. What type(s) of auxiliary heating equipment do you	1=Selected	9	2.3%	6 2	0.7%	7	6.4%	0	•	1 1.3%	6	0 *	1	2.6%	0	•	0	•	0		6	53.9%	0	•	0	•	1 5.6
15_12	have in addition to or in place of a central heating system? Ductless heat pumps – Independents	1=Selected	37	9.1%	6 20	6.8%	15	13.6%	2 31.4	1%	3 4.1%	6 3	2 6.6%	8	21.7%	1	12.1%	0		4	20.0%	1	9.0%	14	8.3%	1 11.3	%	2 9.6
15_13	Q15_13. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Radiant in-floor/ceiling heating – Electric	1=Selected	9	2.39	6 3	1.0%	4	3.4%	2 31.4	1%	0	. ,	0 .	0		1	8.6%	0		c		0	, .	6	3.7%	0	•	1 5.6
15_14	Q15_14. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Fireplaces – Electric	1=Selected	7	1.79	6 4	1.3%	3	2.8%	0		0		1 3.0%	1	2.6%	1	12.1%	0		c		1	9.0%	3	1.6%	0	•	0
215_15	Q15_15. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system? Fireplaces – Propane	1=Selected	5	1.39		1.1%		1.8%			0		•	2	5.1%			0					18.0%	1	0.7%	0		
	Q15_16. What type(s) of auxiliary heating equipment do you have in addition to or in place of a central heating system?													2	5.170	0		0								0		
215_16	Fireplaces – Wood or pellet Q15_17. What type(s) of auxiliary heating equipment do you	1=Selected	5	1.19	6 4	1.3%	1	0.9%	0		0		0 .	0		0		0		1	4.8%	1	7.4%	2	1.0%	0		1 5.6
15_17	have in addition to or in place of a central heating system? Other	1=Selected	25	6.0%	6 18	6.4%	7	6.2%	0		5 6.4%	6	• •	2	6.0%	0		0		1	5.7%	2	16.4%	14	7.9%	0		1 4.0
16	Q16. What percentage of the square footage at your business or organization is heated?	6	396	87.9	6 280	88.81	108	87.08	8 74.	29 7	2 95.65	5 3	0 87.91	34	89.02	8	100.00	3	98.58	20	70.84	11	99.60	181	87.85	10 72.9	8 1	19 74.
			400																									
		Total 1=Yes	400	96.6% 12.6%		13.4%	109 15	1 13.4%	8	1 7	4 5.3%	13	1 1 4 13.0%	35 5	13.2%	9	1 8.6%	3	•	20		11	9.7%	182 30	1 17.0%	10 0		4 20.8
	Q17. In the past five years, has a new MAIN heating system been replaced for your business or organization at this	2=No 3=No, building is	337	81.19	6 241	84.8%	88	81.1%		1 6	7 93.1%	6 2	4 76.5%		84.2%	8		2	64.6%			10	90.3%	147	80.1%	10	1 1	4 79.2
17	location	less than fi	11	2.8%				5.6%			1 1.6%		3 10.5%	1	2.6%	0	•	1	35.4%	C		0		5	2.9%	0	*	0
	Q18_a. Is your business or organization equipped with any of	Total 1=Yes	367 70		6 262 6 24		99 42	1 42.5%		1 6 % 1	1 1 4 25.5%	12	9 1 3 12.0%	31 8	1 26.3%	8	1 62.6%	3	1 64.6%	18		11	1 38.8%	172 29	1 17.8%	8 2 19.7		18 2 11.9
18_a		2=No	297			90.7%		57.5%			7 74.5%		6 88.0%		73.7%				35.4%					143	82.2%	6 80.3		16 88.1
		Total	357	96.4%	6 255	1	96	1	6	1 6	3 1	1 2	9 1	28	1	7	1	2	1	18	1	g	1	168	1	7	1 1	18
18_b	Q18_b. Is your business or organization equipped with any of the following: Demand control ventilation (DCV)		47 310	13.79	6 13	5.0% 95.0%	32	33.5% 66.5%		% 1	1 18.5% 2 81.5%	6 :	3 12.0% 6 88.0%	2	7.3% 92.7%			0	•	3			12.0% 88.0%	22 146	14.4% 85.6%	1 16.1 6 83.9		2 13.3 16 86.7
		Tatal		<b>66</b> (7)					-								]							407				
	Q18_c. Is your business or organization equipped with any of	Total 1=Yes	356 26	96.4% 7.5%	6 257 6 10	3.9%	92 15	1 16.2%		16 %	0 1 4 7.0%	1 3	0 1 2 7.0%	29 6	20.4%	8	1 36.5%	2	1	17		9		167 10	1 6.8%	8		0
18_c	the following: Demand control kitchen ventilation (DCKV)	2=No	330			96.1%		83.8%			6 93.0%		8 93.0%		79.6%			2	1	17		8		157	93.2%	8		8
	Q18_d. Is your business or organization equipped with any of	Total 1=Yes	364 51	96.7% 14.2%	6 258 6 20	1 7.6%	99 28	1 28.4%	7 3 41.5	1 6 5% 1	2 1 1 18.2%	1 2	9 1 3 12.0%	29 4	1 14.0%	9	1 67.2%	3	1 70.8%	18		10		169 20	1 12.7%	8		19 1 5.6
218_d	the following: Heat recovery system	2=No	313	82.59	6 238	92.4%		71.6%	4 58.5				6 88.0%		86.0%			1	29.2%	16			89.3%	149	87.3%	7 92.4	% 1	8 94.4

				verall			Class												Segme									
			т	otal	210	1	230	240	1=0	Office	2=R	letail	3=Gro Resta		4=He Serv		5=Educ	ation	6=Ware	house	Hosp	odging bitality URB	8=0 Comm		9=Fishi	ing	10=Manuf Refin Pulp&I	ning
Variable Name	Variable Label	value	n	Est	n Est	n	Est	n Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
		Total	355	96.4%	-	1 91		7 .	61	1	28	1	27	1	7	1	2	1	17	1	10		169	1	8	1	18	
	Q18_e. Is your business or organization equipped with any of		15	4.4%			9.7%		-			3.4%	0		~	26.6%	0		0			10.7%	7	4.7%	0		0	
18_e	the following: Central air humidifier	2=No	340	92.0% 2	252 98.09	% 82	90.3%	6 83.1%	5/	92.8%	27	96.6%	27	1	5	73.4%	2	1	17	1	9	89.3%	162	95.3%	8	1	18	
		Total	353	96.3%	255	1 91	1	7 .	61	1	28	1	27	1	7	1	2	1	17	1	10	1	167	1		1	18	
	Q18_f. Is your business or organization equipped with any of		15		3 1.29		13.1%			3.5%		3.4%	0		2	26.6%	0		0			10.7%	9	6.0%	0		0	
218_f	the following: Central air dehumidifier	2=No	338		252 98.89		86.9%			96.5%		96.6%	27	1		73.4%	2	1	17	1			158	94.0%	8	1	18	
															-										-			
		Total	354	96.6%	254	1 92	1	8	61	1	29	1	27	1	7	1	2	1	17	1	10	1	166	1	9	1	18	
	Q18_g. Is your business or organization equipped with any of	1=Yes	13	3.7%	4 1.5	% 5	5.5%	4 45.7%	1	1.9%	1	4.0%	3	11.6%	0	•	0	•	0	•	0	*	3	2.0%	4 4	12.0%	1	4.9
218_g	the following: Air curtains?	2=No	341	92.9% 2	250 98.5	% 87	94.5%	4 54.3%	60	98.1%	28	96.0%	24	88.4%	7	1	2	1	17	1	10	1	163	98.0%	5 5	58.0%	17	95.1
Q19_a	Q19_a. Aside from those found in washrooms, how many of the following types of fume hoods or exhaust fans do you have at your business or organization? Laboratory fume hood		317	0.32	231 0.1	2 81	0.72	5 1.67	65	0.32	27	0.04	21	0.31	5	0.30	2	5.93	16	0.44	8	0.22	147	0.21	4	0.69	17	0.9
Q19_b	Q19_b. Aside from those found in washrooms, how many of the following types of fume hoods or exhaust fans do you have at your business or organization? Storage of hazardous liquids and materials		307	0.23	219 0.0	16 81	0.56	7 1.08	8 63	0.03	25	0.09	19	0.00	5	1.15	1	2.00	15	0.76	7	0.30	144	0.11	7	1.65	15	1.2
219_c	Q19_c. As a from those found in washrooms, how many of the following types of turne hoods or exhaust fans do you have at your business or organization? Food preparation and cooking		365	1.07		9 101	2.36					0.22	33	0.94		1.24	2	1.00	16	0.13			170	1.66		1.02	15	0.0
				-								-							-				-		-			
		Total	381	96.4%	267	1 106	1	8	71	1	30	1	33	1	8	1	3	1	20	1	10	1	171	1	9	1	17	
	Q20. Do you have air-conditioning at your business or	1=Selected	190	48.7%	111 41.19	% 73	69.3%	6 68.6%	50	71.3%	17	58.7%	24	72.3%	2	23.6%	3	1	10	51.5%	8	82.6%	60	35.9%	4 4	12.0%	8	45.09
220	organization?	2	191	47.7%	156 58.99	% 33	30.7%	2 31.4%	21	28.7%	13	41.3%	9	27.7%	6	76.4%	0	•	10	48.5%	2	17.4%	111	64.1%	5 5	58.0%	9	55.09
	Q20a_1. What type of air-conditioning do you have? Rooftop	Total	410	96.7% 2		1 110		8	75	1	32	1	36	1	9	1	3	1	20	1	12		184	1	10	1	19	
220a_1	units	1=Selected	69	16.9%	30 10.19	% 38	35.0%	1 7.1%	22	30.8%	9	30.7%	7	20.7%	0	•	3	1	1	4.8%	3	27.0%	18	10.0%	1	6.4%	2	11.25
	Q20a_2. What type of air-conditioning do you have? Central																											
20a_2	system	1=Selected	37	9.2%	15 5.09	% 20	18.2%	2 31.4%	5 10	13.8%	3	9.6%	3	8.8%	2	20.7%	0	•	3	15.2%	1	9.0%	14	8.6%	0	•	1	4.65
	Q20a_3. What type of air-conditioning do you have? Window			40.00/			44 70/		10	47.00/		0.00/		10.00/		0.00/						70.00/		7.00/				
220a_3	units or packaged terminal air conditioning units (PTACs)	1=Selected	46	10.8%	30 10.39	% 13	11.7%	3 30.0%	5 13	17.0%	1	3.0%	4	10.3%	1	8.6%	0	-	0		8	70.3%	15	7.9%	3 3	31.7%	1	5.69
20a_4	Q20a_4. What type of air-conditioning do you have? Individual split (Ductless) system air conditioning units	1-Selected	33	8.1%	16 5.49	% 14	12.0%	3 38.6%	5	6.9%	6	19.2%	4	11.4%	0		0			21.0%		27.0%		5.4%	1	6.4%	1	4.6
20a_4				0.1%	10 5.4	/6 14	12.370	3 30.0 /	5 5	0.9%	0	19.270	4	11.476	0		0		-4	21.070		21.0%	9	3.4 /0	- 1	0.4 /0		4.0
220a_5	Q20a_5. What type of air-conditioning do you have? Ductless heat pumps (Independents)	1=Selected	39	9.0%	26 8.8	% 12	10.5%	1 7.1%	6	7.7%	2	6.6%	6	15.4%	1	8.6%	0		3	15.2%	1	9.0%	15	8.2%	1	6.4%	3	15.25
								_							_		_											
	Q20b_1. What source of cooling do you have for your central		410	96.7% 2		1 110	1		75	1	32	1	36	1	9	1	3	1	20	1	12		184	1	10	1	19	
220b_1	air-conditioning system? Chiller (air cooled)	1=Selected	48	11.5%	25 8.5	% 22	20.0%	1 7.1%	5 17	24.0%	2	6.0%	4	11.9%	1	8.6%	2	64.6%	3	14.3%	2	18.0%	14	7.7%	1	6.4%	1	5.65
220b_2	Q20b_2. What source of cooling do you have for your central air-conditioning system? Chiller with a wet cooling tower	1=Selected	11	2.8%	5 1.79	% 5	4.6%	1 15.7%	3	4.1%	1	3.6%	2	5.1%	0		0		0		1	9.0%	4	2.5%	0		0	
	Q20b_3. What source of cooling do you have for your central																											
220b_3	air-conditioning system? Air-source heat pump	1=Selected	57	13.7%	32 10.99	% 24	21.6%	1 15.7%	5 13	17.1%	5	16.8%	8	21.7%	1	8.6%	1	35.4%	5	26.7%	0		19	10.9%	0	•	4	19.8
	Q20b_4. What source of cooling do you have for your central			0.00/			0.00/			4 500				0.00/		10.10				1.00/				0.404				
220b_4	air-conditioning system? Ground-source heat pump	1=Selected	8	2.0%	4 1.3	% 3	2.8%	1 15.7%	5 1	1.5%	0	-	1	2.6%	1	12.1%	0	-	1	4.8%	0	_	4	2.4%	0	-	0	
220b_5	Q20b_5. What source of cooling do you have for your central air-conditioning system? Other	1=Selected	9	2.2%	5 1.79	% 4	3.7%	0	2	2.8%	2	6.6%	1	3.1%	0		0		0		0		2	1.1%	0		1	4.6
	Q20c_1. What cooling distribution system do you have for	Total	410	96.7% 2		1 110	1		75			1	36	1	9	1	3	1	20	1	12		184	1	10	1	19	
220c_1	your central air-conditioning system? Forced air	1=Selected	89	21.3%	50 16.8	% 39	35.7%	0	27	36.6%	7	22.2%	8	22.8%	1	8.6%	3	1	5	24.8%	1	9.0%	32	18.1%	0	•	3	15.9
	Q20c_2. What cooling distribution system do you have for																											
	your central air-conditioning system? Chilled water and air		40	4.50/			0.00/			5.00/				= 10/		00 70/						40.00/		0.001		0.404		
220c_2	handling units or fan coils	1=Selected	18	4.5%	5 1.79	% 10	8.9%	3 38.6%	4	5.9%	0	-	2	5.1%	2	20.7%	0		0		2	18.0%	6	3.9%	1	6.4%	1	4.65
	Q20c_3. What cooling distribution system do you have for																											
220c_3	your central air-conditioning system? Chilled water and zonal heat pumps	1=Selected	5	1.2%	3 1.19	% 2	1.6%	0		1.3%	2	6.6%	0		0		0						4	0.7%	0		4	4.0
******		-06160160	5	1.270	3 1.15	/0 Z	1.0%		1	1.3%	2	0.0%	U		U		U		U		0		1	0.1%	U		1	4.0
	Q20c_4. What cooling distribution system do you have for																											
220c_4	your central air-conditioning system? Variable refrigerant flow system	1=Selected	3	0.7%	2 0.79	% 1	0.9%	0	0		0		2	5.1%	0		0		1	5.7%	. 0		0		0		0	
	Q20c_5. What cooling distribution system do you have for	000000	J	0.770	_ 0.7		0.073	-					-	0.170			J			0.770			5					
220c_5	your central air-conditioning system? Other	1=Selected	9	2.1%	6 2.0	% 3	2.8%	0	1	1.5%	2	6.6%	1	2.6%	0		0		0		0		5	2.6%	0		0	
						-			· ·		1		- 1		-									,	-			
		Total	378	96.4%	266	1 104	1	8	67	1	29	1	33	1	8	1	3	1	20	1	11	1	171	1	9	1	18	
	Q21. Do you have a data centre that requires a dedicated	1=Yes	26			% 16	15.6%	3 38.6%		15.7%		8.1%	0	•	1	13.5%	2	64.6%	1	5.7%	2	19.4%	8	5.2%	0	•	0	

			01	verall		rat	e Class												Segm	ont							40.55	
			т	otal	210		230	240	1:	Office	2=	Retail	3=Gro Restau			ealth vices	5=Edu	ucation	6=Ware	house	Hos	odging bitality JRB	8=C Comn	ther	9=Fis	shina	Refi	ufacturing ining &Paper
Variable Name	Variable Label	value	n		n Es	t n		n Es		Est	n	Est		Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
	Variable Laber	Value		Lot			Lot			Lot		Lot		Lat		Lot		Lot		Lot		Lot		Lot		Lot		Lot
		Total	387	96.7%	270	1 110	1	7	1 7	1	29	1	32	1	9	1	3	1	20	1	11	1	177	1	8	1	19	
	Q22. Do you have a building automation system which automatically regulates heating, ventilation, and/or air	1=Yes	178		114 42.	-		3 41.		4 50.2%				50.2%	-	55.0%	3			51.5%		46.8%	79	44.7%	0	•	8	
22	conditioning at your business or establishment?	2=No	209	51.7%	156 57.	6% 49	44.6%	4 58.	.5% 3	6 49.8%	14	45.9%	16	49.8%	4	45.0%	0	•	10	48.5%	6	53.2%	98	55.3%	8	1	11	59.0
		Total	177	98.9%	116	1 57	1	4	1 3	, 1	19	1	17	1	4	1	3	1	9	1	4	1	78	1	1	1	8	
	Q22a. Is your building control system a direct digital control	1=Yes	86		44 38.	2% 40		2 68.	.7% 2	3 74.2%	8	44.2%		29.3%	2	48.3%	3	1	3				38	50.8%	0	•	1	13.7
22a	(DDC) system?	2=No	91	49.1%	72 61.	8% 17	29.6%	2 31.	.3%	25.8%	11	55.8%	12	70.7%	2	51.7%	0	•	6	65.2%	3	73.9%	40	49.2%	1	1	7	86.3
		Total	143	99.5%	88	1 53	1	2	1 2	9 1	14	1	13	1	3	1	3	1	8	1	2	1	62	1			6	,
		1=Always on																										
		program	97	67.7%	58 65.	6% 37	70.0%	2	1 2	1 73.4%	10	71.4%	8	62.4%	2	73.9%	1	35.4%	4	48.8%	1	50.0%	42	67.1%	•	•	5	5 84.9
		2=Sometimes on override	37	25.7%	22 25.	2% 15	28.1%	0		3 26.6%	2	15.6%	5	37.6%	1	26.1%	2	64.6%	3	39.6%	1	50.0%	14	23.2%			1	15.1
	Q22b. Would you say that your building energy control system	3=Always on																										
122b	is	override	9	6.1%	8 9.	3% 1	1.9%	0	•	• (	2	12.9%	0	•	0	•	0	•	1	11.6%	0	•	6	9.7%	•	•	0	
	Q22c_a. At what temperature do you keep your business or organization during: Winter days during normal operating																											
22c_a	hours		185	23.56	124 23	.99 58	22.89	3 21	.00 3	3 25.47	17	28.98	19	24.88	5	21.18	3	21.01	10	34.41	5	20.41	81	21.08	1	15.00	7	18.
	Q22c_b. At what temperature do you keep your business or																_										_	
122c_b	organization during: Winter days during non-operating hours		174	20.36	114 20	.42 57	20.27	3 20	0.07 3	21.24	1/	25.66	16	22.57	4	21.62	3	17.65	10	31.67	4	20.50	78	17.43	1	10.00	/	18.2
	Q22c_c. At what temperature do you keep your business or organization during: Summer days during normal operating																											
22c_c	hours		164	18.78	103 18	.20 58	19.55	3 20	0.81 3	2 21.81	16	24.91	16	17.82	5	17.27	2	17.74	9	22.88	4	18.25	69	15.84	1	15.00	7	17.9
122c d	Q22c_d. At what temperature do you keep your business or organization during: Summer days during non-operating hour		154	17 72	96 17	04 55	18.60	3 20	107 2	3 19.41	14	26.57	15	17.36	4	19.56	2	17.74	9	22.00	4	18.75	67	14.48	1	10.00	7	17.9
220_0	Q23_a. How many of each of the following thermostats do	3	154	11.12	30 17	.04 33	10.00	3 20		13.41		20.01	13	17.50	-	13.50			3	22.00		10.75	0/	14.40	- 1	10.00		17.5
	you have in your business or organization? Programmable																											
23_a	thermostats		305	2.66	208 2	.22 90	3.68	7 0	0.80 5	5 2.84	24	3.42	23	1.46	6	21.51	3	0.58	15	3.46	4	0.26	146	2.16	7	0.56	15	5 1.3
	Q23_b. How many of each of the following thermostats do you have in your business or																											
23_b	organization? Non-programmable thermostats		314	7.01	230 4	.99 77	11.24	7 16	6.48 5	6.44	25	3.56	28	1.48	2	43.81	3	6.69	14	5.94	5	39.90	148	7.21	8	10.96	16	5 7.1
23_c	you have in your business or organization? Smart thermostats		209	0.25	141 0	.14 62	0.50		0.00 3	4 0.00	14	0.00	18	0.05	3	11.71	3	0.00	10	0.28		0.00	105	0.15	3	0.00	13	0.0
123_0	Q24_a. How many of the following systems do you have to		209	0.25	141 0	. 14 02	0.50	0 0	.00 3	+ 0.00	14	0.00	10	0.05	3	11.71		0.00	10	0.28	3	0.00	105	0.15	3	0.00		0.0
	heat water at your business or organization? Electric water																											
24_a	heater tanks - 40 gallons (150 L) or smaller		410	1.66	292 1	.84 110	1.21	8 1	.91 7	5 0.73	32	1.42	36	0.83	9	0.17	3	1.65	20	1.17	12	2.01	184	2.46	10	1.61	19	0.8
	Q24_b. How many of the following systems do you have to heat water at your business or organization? Electric water																											
	heater tanks - Greater than 40 gallons (150 L) and up to 60																											
124_b	gallons (230 L)		410	0.41	292 0	.21 110	0.83	8 0	0.70 7	5 0.32	32	0.41	36	0.35	9	1.94	3	1.06	20	0.06	12	0.43	184	0.40	10	0.61	19	9 0.:
	Q24_c. How many of the following systems do you have to heat water at your business or organization? Electric water																											
124_c	heater tanks – Larger than 60 gallons (230L)		410	0.20	292 0	.03 110	0.55	8 0	0.46 7	5 0.06	32	0.04	36	0.17	9	0.73	3	0.00	20	0.17	12	0.45	184	0.27	10	0.00	19	0.1
	Q24_d. How many of the following systems do you have to																											
24_d	heat water at your business or organization? Electric boilers (with hot-water holding tanks)		410	0.13	292 0	.03 110	0.34	8 0	0.39 7	5 0.10	32	0.43	36	0.03	9	0.73	3	0.00	20	0.00	12	0.72	184	0.08	10	0.06	19	0.0
	Q24_e. How many of the following systems do you have to																											
124 e	heat water at your business or organization? Propane water heater tanks		410	0.07		.03 110	0.47			- 0.00		0.00	20	0.05		0.04		0.00	20	0.00	40	4.94	40.4	0.02	10	0.00	40	0.0
24_0			410	0.07	292 0	.03 110	0.17	0 U	00 7	5 0.00	32	0.00	30	0.05	9	0.61	3	0.00	20	0.00	12	1.34	184	0.02	10	0.00	19	0.0
	Q24_f. How many of the following systems do you have to heat water at your business or organization? Propane																											
124_f	tankless, on-demand systems		410	0.01	292 0	.00 110	0.01	8 0	0.00 7	5 0.00	32	0.00	36	0.03	9	0.00	3	0.00	20	0.00	12	0.00	184	0.01	10	0.00	19	9 0.0
	Q24_g. How many of the following systems do you have to heat water at your business or organization? Fuel oil boilers																											
24_g	(with hot-water holding tanks)		410	0.06	292 0	.03 110	0.12	8 0	0.23 7	5 0.07	32	0.00	36	0.03	9	0.34	3	0.00	20	0.10	12	0.25	184	0.03	10	0.43	19	0.0
	Q24_h. How many of the following systems do you have to																											
124_h	heat water at your business or organization? Other		410	0.02	292 0	.02 110	0.04	8 0	0.00 7	5 0.01	32	0.00	36	0.03	9	0.00	3	0.35	20	0.00	12	0.00	184	0.03	10	0.00	19	0.0
		Total	378	96.8%	271	1 99	1	8	1 6	9 1	30	1	29	1	7	1	3	1	20	1	9	1	174	1	10	1	18	;
	Q25a_a. Do you have this equipment? Residential	1=Yes	73		43 15.			4 45.		2 32.4%				13.8%	2	26.8%		35.4%	4			44.0%	24	13.8%		41.0%	2	
125a_a	dishwashers	2=No	305	77.8%	228 84.	2% 73	73.5%	4 54.	.3% 4	7 67.6%	28	92.3%	25	86.2%	5	73.2%	2	64.6%	16	79.0%	5	56.0%	150	86.2%	6	59.0%	16	89.1
25b_a	Q25b_a. If yes, how many do you have? Residential dishwashers		64	1.42	36 1	.31 24	1.58	4 1	.31 2	1.48	2	1.00	3	1.00	1	1.00	1	2.00	3	1.00	4	2.81	20	1.39	3	1.00	2	. 1.8
	Q25c_a. If yes, how many are ENERGY STAR rated?																											
25c_a	Residential dishwashers		43	0.99	24 0	.58 17	1.47	2 1	.00 1	1.45		•	1	1.00	1	1.00	•	•	3	0.71	3	0.38	14	0.80	2	1.00	1	1.0
		Total	382	96.6%	270	1 104	1	8	1 6	5 1	30	1	31	1	9	1	3	1	19	1	٩	1	177	1	10	1	19	,
	Q25a b. Do you have this equipment? Residential clothes	1=Yes	79		-	3% 32			-	5 7.2%		17.2%		22.7%	8	91.4%		35.4%		21.0%		90.1%	32	18.2%		43.0%	3	

				verall		Rate C										Segm								
			т	Total	210	23	80	240	1=Office	2=Retail		Grocery	4=Health Services	5=E	ducation	6=War	ehouse	Hosp	odging bitality URB		)ther nercial	9=Fishing	10=Manu Refi Pulp&	
/ariable Name	Variable Label	value	_	Est n	Est	n	Est r	n Est	n Est	n Est	n	Est	n Est	n	Est		Est	n	Est	n	Est	n Est		Est
a_b	washers	2=No	303	76.2% 226			69.4%		61 92.8%	25 82.8		24 77.3%	1 8.6		2 64.6%	15		1		n 145	81.8%	6 57.0%	16	
b	Q25b_b. If yes, how many do you have? Residential clothes washers	2-110	71	1.74 38			2.33		5 0.80	5 1.		6 1.00	7 3		1 1.00					29	1.64	3 1.56		
	Q25c_b. If yes, how many are ENERGY STAR rated?		40										4 2.				1.00			19				
_b	Residential clothes washers			1.17 21			1.55		3 0.33			2 1.00		55				4	1.23	-	1.06	3 1.56	1	
		Total	381	96.6% 269		104		8 1	66 1	30		31 1	9	1	3 1	19		10		175	1	10 1	19	-
c	Q25a_c. Do you have this equipment? Residential clothes dryers	1=Yes 2=No	73	19.0% 42 77.6% 227				3 38.6% 5 61.4%	5 7.2% 61 92.8%	5 17.2 25 82.8		6 19.0% 25 81.0%	7 82.9		0 * 3 1	4		8	80.4% 19.6%	29 146	16.7% 83.3%	4 43.0% 6 57.0%	3 16	
	Q25b_c. If yes, how many do you have? Residential clothes	2=110	308	11.0% 221	04.4 /0	70	73.0%	5 01.4%	01 92.076	23 02.0	/0 2	25 81.0%	2 17.1	/0	3 1	13	19.078	2	19.0 %	140	03.37	0 57.0%	10	- ·
_c	dryers		64	1.79 35	5 1.22	26	2.52	3 1.19	5 0.80	5 1.	22	4 1.00	6 4.	33		2	1.00	8	2.33	26	1.62	3 1.56	3	
_c	Q25c_c. If yes, how many are ENERGY STAR rated? Residential clothes dryers		36	1.12 22	0.81	12	1.60	2 1.31	3 0.33	2 0.	50	1 1.00	2 2.	50			•	3	1.31	19	1.06	3 1.56	1	
		Total	374	96.9% 267	7 1	99	1	8 1	68 1	29	1 2	29 1	8	1	3 1	19	1	11	1	170	1	10 1	18	,
	Q25a_d. Do you have this equipment? Commercial clothes	1=Yes	31	8.0% 15	5.5%	13	12.7%	3 30.0%	5 7.0%	0	•	0 *	5 58.5	%	0 *	0	•	7	66.2%	11	6.2%	2 20.4%	0	1
_d	washers	2=No	343	88.9% 252	94.5%	86	87.3%	5 70.0%	63 93.0%	29	1 2	29 1	3 41.5	%	3 1	19	1	4	33.8%	159	93.8%	8 79.6%	18	
_d	Q25b_d. If yes, how many do you have? Commercial clothes washers		29	3.06 14	1.64	12	4.82	3 1.24	5 1.40				3 2.	00				7	1.88	11	5.44	2 1.00		
_d	Q25c_d. If yes, how many are ENERGY STAR rated? Commercial clothes washers		11	0.97 7		2	0.83	2 1.00	2 1.00				1 2.	00				1	1.00	5	0.77	2 1.00		
		Total	375	96.6% 265	5 1	102	1	8 1	66 1	30		29 1		1	2 4	19		11		172	1	10 1	18	
	Q25a_e. Do you have this equipment? Commercial clothes	1=Yes	24	6.2% 8				3 30.0%	3 4.3%			0 *	5 58.5	%	0 *				58.2%	7	4.0%	2 20.4%	0	
_e	dryers	2=No	351	90.3% 257				5 70.0%	63 95.7%		_	29 1	3 41.5		3 1	19			41.8%	165	96.0%	8 79.6%	18	
e	Q25b_e. If yes, how many do you have? Commercial clothes dryers		21	3.69 6	6 2.00	12	4.90	3 1.24	3 1.67				3 2.	10				6	2.17	6	8.48	2 1.00		
	Q25c_e. If yes, how many are ENERGY STAR rated?																		2.11					
e	Commercial clothes dryers		6	0.94 2	2 1.00	2	0.83	2 1.00	2 1.00		-		1 2.	00			-		-	1	0.00	2 1.00		
		Total	384	96.9% 268		108		8 1	65 1	30		35 1	8	1	3 1	19		11	1	176	1	10 1	18	
	Q25a_f. Do you have this equipment? Commercial	1=Yes	52	13.8% 22				1 15.7%	2 3.2%			14 40.1%	8		0 .	0		6		20	12.2%	0 *	0	
f	dishwashers	2=No	332	83.2% 246	91.7%	79	73.3%	7 84.3%	63 96.8%	28 93.0	% 2	21 59.9%	0	-	3 1	19	1	5	43.5%	156	87.8%	10 1	18	-
f	Q25b_f. If yes, how many do you have? Commercial dishwashers		44	1.49 16	5 1.32	28	1.58		2 2.10	1 4.	00 1	12 1.33	7 1.	75			•	6	1.34	16	1.32		•	
f	Q25c_f. If yes, how many are ENERGY STAR rated? Commercial dishwashers		20	1.06 11	1.00	0	1.11		2 2.10			7 0.70	1 1.	0				2	1.00	8	1.11			
· · · ·		Total	374	96.9% 264		102		8 1	64 1	30	1 3	30 1	8		3 1	19	1	11		172	1	10 1	18	
		1=Yes	29	7.7% 14		15	14.3%	• 0	2 3.0%		•	7 22.9%	6 74.8	%	0 *	0	•	6	56.5%	8	4.8%	0 *	0	
_f1	Q25a_f1. Do you have this equipment? Pre-rinse spray valves	s 2=No	345	89.2% 250	94.7%	87	85.7%	8 1	62 97.0%	30	1 2	23 77.1%	2 25.2	%	3 1	19	1	5	43.5%	164	95.2%	10 1	18	
_f1	Q25b_f1. If yes, how many do you have? Pre-rinse spray valves		19	1.33 8	3 1.12	11	1.47		2 1.00			4 1.82	31.	00				6	1.31	4	1.27			
_f1	Q25c_f1. If yes, how many are ENERGY STAR rated? Pre-rinse spray valves		8	1.15 4	1.23	4	1.08		2 1.00				1 0.	10				3	1.33	2	1.43			
		Total	379	96.9% 265		106		8 1	66 1	30	1 2	29 1	9	1	3 1	19	1	11		174	1	10 1	19	,
		1=Yes	92	24.7% 39			45.4%	5 70.0%	13 20.6%	3 10.2	%	1 3.2%	9	1	1 35.4%			10		43	26.0%	2 23.4%	4	
_g	Q25a_g. Do you have this equipment? Showerheads	2=No	287	72.2% 226				3 30.0%	53 79.4%			28 96.8%	0	-	2 64.6%			1		131	74.0%	8 76.6%	15	-
_g	Q25b_g. If yes, how many do you have? Showerheads		81	20.17 32	6.39	45	29.93	4 5.03	13 3.76	3 2.	69		7 44.	77	1 2.00	3	2.06	9	85.29	36	12.72	2 2.00	4	-
g	Q25c_g. If yes, how many are ENERGY STAR rated? Showerheads		34	1.69 18	3 1.36	15	1.50	1 8.00	6 1.06	•			1 0.	00			•	5	2.95	18	1.89	1 2.00	2	!
		Total	348	97.0% 246	5 1	94		8 1	66 1	27		31 1				13		11		155			19	
	025a Da you have this equipment? Seeket type lamps	1=Yes	247	69.3% 163				6 77.1%	40 61.5%			20 65.4%	8	1	1 1	10		11	1	113	72.3%	7 92.2%	19	۰ ۱
	Q26a. Do you have this equipment? Socket-type lamps (screw-in or pin)	2=No	101	27.6% 83				2 22.9%	26 38.5%	12 43.2		11 34.6%	0	•	0 .	3		0		42	27.7%	1 7.8%	5	
		Total	410	96.7% 292	2 1	110	1	8 1	75 1	32	1 3	36 1	9	1	3 1	20	1	12	1	184	1	10 1	19	,
	Q26b_a_1. What types of bulbs do you use with this type of	0	321	75.1% 237				6 68.6%	60 79.8%			27 74.4%	7 77.8		2 70.8%				85.2%	143	77.4%	7 66.1%	13	
a_1	lighting? Socket-type lamps (screw-in or pin): Incandescent	1=Yes	89	21.6% 55	5 19.0%	32	29.2%	2 31.4%	15 20.2%	4 13.8	%	9 25.6%	2 22.2	%	1 29.2%	2	10.5%	2	14.8%	41	22.6%	3 33.9%	6	6
		0	363	85.4% 268	01.8%	80	81 2%	6 77.1%	65 85.8%	30 92.8	o/ <	32 88.1%	7 82.9	P/_	3 1	20	1	10	83.6%	163	88.7%	10 1	14	L .
a_2	Q26b_a_2. What types of bulbs do you use with this type of lighting? Socket-type lamps (screw-in or pin): CFL	1=Yes	47	11.3% 24				2 22.9%	10 14.2%	2 7.2		4 11.9%	2 17.1		0 *	20			16.4%	21	11.3%	0 *	5	
																Ū		-						
	Q26b_a_3. What types of bulbs do you use with this type of	0	253	59.2% 189				5 61.4%	55 72.6%	19 58.6		24 66.1%	5 51.4		2 70.8%	13		4	02.070	104	56.6%	6 52.1%	13	
a_3	lighting? Socket-type lamps (screw-in or pin): LED	1=Yes	157	37.5% 103	35.1%	51	47.0%	3 38.6%	20 27.4%	13 41.4	% 1	12 33.9%	4 48.6	%	1 29.2%	7	35.2%	8	67.2%	80	43.4%	4 47.9%	6	6
	O26b a 4 What types of bulks do you use with this type of	0	369	86.9% 271	92.8%	93	84.6%	5 70.0%	68 90.5%	30 92.8	%	36 1	7 81.4	%	2 70.8%	20	1	10	85.2%	165	89.3%	6 61.7%	17	,
	Q26b_a_4. What types of bulbs do you use with this type of lighting? Socket-type lamps (screw-in or pin): Halogen	1=Yes	41	9.8% 21				3 30.0%	7 9.5%	2 7.2		0 *	2 18.6		1 29.2%			2		19	10.7%	4 38.3%	2	
_a_4																								
_a_4	Q26b a 5. What types of bulbs do you use with this type of	_	398	93.8% 285	5 97.6% ·			6 77.1%	73 97.4%	32		36 1	_		_	18	89.5%	11	91.0%	180	98.0%	9 86.0%	18	

			Ov	erall			Rate Cla	ass												Segm	ent						-		
			т	otal	2'	10	230	)	240	1=	Office	2=Re	tail	3=Gr Resta	ocery iurant	4=He Serv		5=Edu	cation	6=Ware	ehouse	Hosp	dging bitality JRB	8=O Comm		9=Fi	shing	10=Manufa Refin Pulp&P	ning
Variable Name	Variable Label	value	n	Est	n	Est	n E	Est n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
		T		00.00/	0.57											-								407					
	Q26b. Do you have this equipment? Low-bay lighting (less	Total 1=Selected	366 276	96.6% 73.4%	-	1 1 72.7%		1 8 81.8% 7		68 54	1 79.4%	30 22	1 72.6%	31 28	1 91.0%	3	1 43.4%	1	1	17	64.4%	11	1 67.9%	167 122	73.6%	5 7	92.2%	17 13	77.9
26b	than 16 feet from the floor)	2	90					18.2% 1			20.6%		27.4%	3	9.0%	4	56.6%	0	•	6			32.1%	45	26.4%	5 1	7.8%	4	22.1
	Q26b_b_1. What types of bulbs do you use with this type of lighting? Low-bay lighting (less than 16 feet from the floor): T5	Total	410	96.7%	292	1 1	10	1 8	3 1	75	1	32	1	36	1	9	1	3	1	20	1	12	1	184	1	10	1	19	
26b_b_1	fluorescent tubes (5/8 inch diameter) azob_0_2. what types or builds do you use with this type or	1=Selected	36	8.6%	23	7.8%	12	10.8% 1	1 15.7%	6	8.2%	2	6.0%	4	10.8%	0	•	0	•	4	20.0%	0	*	17	9.4%	5 1	11.3%	2	11.:
26b_b_2	lighting? Low-bay lighting (less than 16 feet from the floor): T8	1=Selected	126	20.1%	07	29.9%	26	32.9% 3	47.10/	24	45.7%		22.2%	10	33.6%	3	32.8%	0		4	19.0%	2	27.0%	52	28.7%		31.9%	6	33.
200_0_2	fluorescent tubes (standard, 1 inch diameter) Q26b_b_3. What types of bulbs do you use with this type of lighting? Low-bay lighting (less than 16 feet from the floor): T8		120	30.176	07	20.070		52.576	, 47.17A		43.770		22.270	12	33.070	5	52.070	0			13.070		21.070	52	20.7 /	, ,	51.576		
26b_b_3	fluorescent tubes (low wattage or high output, 1 inch diameter)	1=Selected	34	8.3%	22	7.7%	12	11.1% (	, .	6	8.3%	3	9.0%	6	16.5%	0		0		0		2	18.0%	10	5.7%	5 1	11.3%	2	11.
26b_b_4	Q26b_b_4. What types of bulbs do you use with this type of lighting? Low-bay lighting (less than 16 feet from the floor): T12 fluorescent tubes (1 ½ inch diameter)	1=Selected	79	18.5%	57	19.4%	20	18.4% 2	2 22.9%	17	23.2%	8 2	23.9%	6	16.8%	0		0		3	15.2%	2	18.0%	35	18.7%	5 4	43.0%	3	13.
	Q26b_b_5. What types of bulbs do you use with this type of lighting? Low-bay lighting (less than 16 feet from the floor):																												
26b_b_5	LED Q26b_b_6. What types of bulbs do you use with this type of	1=Selected	74	18.2%	38	12.9%	34 :	31.3% 2	2 31.4%	8	11.0%	6	18.6%	7	19.6%	0		0		4	20.0%	6	53.9%	36	20.6%	5 1	11.3%	4	20.5
26b_b_6	lighting? Low-bay lighting (less than 16 feet from the floor): Other	1=Selected	3	0.6%	1	0.3%	1	0.9% 1	1 7.1%	1	1.3%	0		0		0		0		0		1	9.0%	1	0.3%	6 0		0	
		Total	330	96.6%	228	1	95	1 7	7 1	62	1	26	1	27	1	6	1	3	1	15	1	10	1	147	1	6	1	19	
	Q26c. Do you have this equipment? High-bay lighting (16 feet	1=Selected	123			27.5%		57.9% 5			26.2%		36.9%		18.5%	3	48.3%	3		12			21.5%	56	39.3%		69.5%	12	
26c	or more from the floor) Q26b_c_1. What types of bulbs do you use with this type of	2	207	59.7%	165	72.5%	40 4	42.1% 2	2 27.1%	46	73.8%	1/ 0	63.1%	22	81.5%	3	51.7%	0		3	20.0%	8	78.5%	91	60.7%	2	30.5%	7	35.
	lighting? High-bay lighting (16 feet or more from the floor):	Total	410	96.7%	-	1 1	-	1 8		75		32	1	36	1	9	1	3	1	20		12	1	184	1	10	1	19	
26b_c_1	LED	1=Selected	43	10.6%	19	6.5%	21	19.1% 3	3 38.6%	2	3.1%	3	10.2%	1	2.6%	1	10.0%	0	•	8	42.0%	0	•	23	13.1%	5 0	•	5	25.5
26b_c_2	Q26b_c_2. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor): Mercury vapour	1=Selected	13	3.1%	5	1.7%	5	4.6% 3	3 30.0%	1	1.5%	1	3.6%	1	2.6%	0		1	35.4%	1	4.8%	0		3	1.4%	5 2	17.7%	3	17.3
	Q26b_c_3. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor):																												
26b_c_3	Metal halide	1=Selected	11	2.7%	3	1.0%	6	5.5% 2	2 22.9%	3	4.4%	0	•	0	•	0		0	•	0		0	•	7	4.0%	6 0	•	1	5.6
26b_c_4	Q26b_c_4. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor): High- or low-pressure sodium	1=Selected	5	1.1%	2	0.7%	2	1.8% 1	1 7.1%	0		2	6.6%	0		0		0		0		0		3	1.5%	. 0		0	
	Q26b_c_5. What types of bulbs do you use with this type of																												
26b_c_5	lighting? High-bay lighting (16 feet or more from the floor): T5 fluorescent tubes (5/8 inch diameter)	1=Selected	20	4.8%	11	3.7%	8	7.1% 1	1 15.7%	5	6.4%	1	3.6%	2	5.1%	0		0		2	9.5%	0		9	5.4%	6 0		1	4.6
26b_c_6	Q26b_c_6. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor): High-output T8 fluorescent tubes (1 inch diameter)	1=Selected	25	6.3%	12	4.2%	13	12.0% 0	, ·	2	2.6%	2	7.2%	2	6.2%	2	22.2%	2	64.6%	0		0		12	7.0%	5 1	11.3%	1	5.6
226b_c_7	Q26b_c_7. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor): T12 fluorescent tubes (1 ½ inch diameter)	1=Selected	21	4.8%	15	5.0%	5	4.6% 1	1 7.1%	3	4.1%	3	9.6%	0		1	10.0%	1	35.4%	1	4.8%	0		9	4.7%	2	17.7%	1	4.6
	Q26b_c_8. What types of bulbs do you use with this type of lighting? High-bay lighting (16 feet or more from the floor):													_		_		_						_					
26b_c_8	Other	1=Selected	6	1.5%		0.3%	5	4.3% (	, ·	1		0	-	0		1	8.6%	0	-	0	-	1	9.0%	2	1.1%	5 0		1	5.6
		Total 1=Socket-type	368	96.8%	259	1 1	102	1 7	7 1	68	1	29	1	32	1	7	1	3	1	16	1	10	1	166	1	9	1	19	
		lamps 2=Low-bay	80	20.5%	66	25.6%	14	13.3% (		8	11.5%	5	17.1%	8	24.0%	3	42.2%	1	29.2%	1	5.9%	8	80.4%	43	25.0%	5 1	10.3%	0	
		lighting (less than	149	38.8%	114	43.8%	32 3	31.8% 3	3 41.5%	39	56.6%	10 3	33.5%	14	43.8%	0	•	0		5	29.7%	1	10.7%	66	39.6%	5 4	44.4%	5	27.5
		3=High-bay lighting (16 feet o	41	11.2%	20	7.9%	21	20.3% (	, .	2	2.8%	4	14.5%	0		1	15.6%	0		5	33.4%	0		19	12.1%	5 1	12.5%	8	40.4
127	interior lights used at your business or organization?	4=Linear lamps (fluorescents o	98	26.3%	59	22.7%	35 3	34.5% 4	4 58.5%	19	29.1%	10 ;	34.9%	10	32.2%	3	42.2%	2	70.8%	5	30.9%	1	8.9%	38	23.3%	3	32.8%	6	32.1
228	Q28. What percentage of the interior fluorescent tube light used at your business or organization is T12 (1 ½ inch diameter)?		359	37.20	257	41.39	95	28.73 7	7 20.00	69	51.60	28	32.37	32	40.05	6	9.89	2	54.76	19	29.25	9	16.63	161	34.82	2 8	41.47	17	39.
	Q29. What percentage of the interior lighting at your business		362	33.81	252	31.89 1		37.33 6	6 41.57				20.47	22		6	40.45		4.50	18	20.00	10	51.56	164	37.18	3 6	19.48	17	22.8
29	or organization is LEDs?		302	55.01	2.52	51.05 1	104	37.33 0	41.57	68	19.34	29	38.17	33	41.61	0	48.15	2	4.52	10	39.26	10	51.50	104	37.10	0	13.40	1/	

			Ove			Rate											nent	7=Lodg	ging					10=Manuf	facturir
			То	otal	210	:	230	240	1=Office	:	2=Retail	3=Grocery Restaurant		Health ervices	5=Educatio	n 6=Wa	rehouse	Hospita MUR	ality	8=Ot Comm		9=Fis	hing	Refin Pulp&F	ning
/ariable Name	Variable Label	value	n	Est n	Est	n	Est	n Est	n Est	n	n Est	n Est	n	Est	n Es	t n	Est	n	Est	n	Est	n	Est	n	Es
)	Q30. Do you have occupancy or motion sensors for any interior lighting at your business or organization?	1=Yes 2=No	52 334	13.8% 22 82.9% 250				2 31.4% 6 68.6%	11 16.5 60 83.5		4 15.2% 25 84.8%	5 14.09 28 86.09		3 32.8% 6 67.2%	0	•	4 22.0% 5 78.0%		21.5% 78.5%	20 155	12.6% 87.4%	0	*	2 17	1
	monor nymmy a your baarloop or organization.													, 01.2,0					0.070		01.170				
		Total	362	96.9% 258				6 1	68		27 1	35	1 7	7 1	2	1 16		10	1	166	1	8	1	16	_
a	Q31a. Do you have this equipment? Socket-type lamps	1=Yes 2=No	223 139	59.4% 164 37.5% 94			43.6%	4 59.3% 2 40.7%	42 61.5 26 38.5		13 48.2% 14 51.8%	23 65.29 12 34.89		1	1 45. 1 54.		5 30.9% 1 69.1%		89.3%	103	61.3% 38.7%	8	- 1	8	5
a	(screw-in or pin)	2=140		37.5% 5	+ 30.5 /	5 43	43.076	2 40.7 %				12 34.67		,	1 34.	576 1	1 09.1%		10.7%	63	30.1 %	0		0	
		Total	410	96.7% 292	-	I 110		8 1	75		32 1	36	1 9		3	1 20		12	1	184	1	10	1	19	
	Q31b_a_1. What types of bulbs do you use with this type of	0	354	83.5% 25				6 77.1%			29 90.4%	30 83.79			3		8 89.5%		76.2%	164	88.8%		73.0%	16	
b_a_1	lighting? Socket-type lamps (screw-in or pin): Incandescent	1=Yes	56	13.2% 4	1 14.1%	5 13	12.0%	2 22.9%	16 20.7	·%	3 9.6%	6 16.3%	6 0	) .	0	- 2	2 10.5%	3 3	23.8%	20	11.2%	3	27.0%	3	
	Q31b_a_2. What types of bulbs do you use with this type of	0	390	91.9% 28			92.2% 7.8%		70 92.9 5 7.1		32 1 0 *	36	1 7		3	1 20			82.0%	177	96.2%	10 0	1	16	8
1b_a_2	lighting? Socket-type lamps (screw-in or pin): CFL	1=Yes	20	4.7% 1	1 3.8%	. 9	7.8%	0 -	5 7.1	%	0 -	0	* 2	2 17.1%	0	- (	- (	2	18.0%	7	3.8%	0		3	1
	Q31b_a_3. What types of bulbs do you use with this type of	0	292	68.9% 204			73.6%		59 78.1		24 74.8%	27 75.59			2 70				59.8%	124	67.6%		77.4%	15	7
b_a_3	lighting? Socket-type lamps (screw-in or pin): LED	1=Yes	118	27.8% 88	8 30.2%	5 29	26.4%	1 15.7%	16 21.9	1%	8 25.2%	9 24.5%	6 E	69.3%	1 29.	2% 5	5 23.8%	5 4	40.2%	60	32.4%	2	22.6%	4	2
	Q31b_a_4. What types of bulbs do you use with this type of	0	355	83.7% 253	3 86.7%	97	88.3%	5 61.4%	65 86.4	1%	29 90.4%	30 83.5%	6 8	91.4%	2 70.	8% 20	0 1	10	83.6%	159	86.7%	8	79.4%	15	7
1b_a_4	lighting? Socket-type lamps (screw-in or pin): Halogen	1=Yes	55	12.9% 39	9 13.3%	5 13	11.7%	3 38.6%	10 13.6	6%	3 9.6%	6 16.5%	6 1	8.6%	1 29	2% (	• 0	2	16.4%	25	13.3%	2	20.6%	4	2
	O245 a 5 What have at holes do you use with this have at																								
	Q31b_a_5. What types of bulbs do you use with this type of lighting? Socket-type lamps (screw-in or pin): Other	0	406	95.6% 29				7 84.3%			31 96.4%	36	1 9		3	1 20		12	1	183	99.5%	-	86.0%	19	
1b_a_5	(DESCRIBE)	1=Yes	4	1.1%	1 0.3%	5 2	1.8%	1 15.7%	1 1.5	5%	1 3.6%	0	* (	•	0	• (	•	0	•	1	0.5%	1	14.0%	0	
		Total	337	96.6% 239	9 1	92	1	6 1	61	1 :	27 1	32	1 7	7 1	2	1 16	5 1	9	1	151	1	8	1	15	
	Q31b. Do you have this equipment? Tube fixtures (not	1=Yes	62	17.9% 43	-		20.7%	-			7 26.3%	8 24.69	6 1	111.0%	2		1 7.2%	3 :	34.0%	26	17.0%	1	11.1%	1	
b	including signage)	2=No	275	78.8% 196			79.3%	6 1	52 84.4	%	20 73.7%	24 75.49	6 E	89.0%	0	• 15	5 92.8%	6 (	66.0%	125	83.0%	7	88.9%	14	ç
	Q31b_b_1. What types of bulbs do you use with this type of lighting? Tube fixtures (not including signage): T12	Total	410	96.7% 292	2 1	110	1	8 1	75	1 :	32 1	36	1 9	9 1	3	1 20	0 1	12	1	184	1	10	1	19	
	fluorescent	0	378	89.1% 268			92.6%				29 91.0%	31 85.89			2 64		9 94.3%		91.0%	171	93.1%	10	1	19	
1b_b_1	tubes (1 ½ inch diameter)	1=Yes	32	7.6% 24	4 8.3%	8	7.4%	0 .	6 8.2	2%	3 9.0%	5 14.29	6 0	•	1 35.	4% 1	1 5.7%	1	9.0%	13	6.9%	0		0	
	Q31b_b_2. What types of bulbs do you use with this type of																								
	lighting? Tube fixtures (not including signage): T12 high	0	403	95.1% 286			99.1%	* *	74 98.7		31 97.0%	34 94.99 2 5.19	-		3	1 20		12	1	181	98.4% 1.6%	10	1	19	
1b_b_2	output fluorescent tubes (1 1/2 inch diameter)	1=Yes	7	1.6% 6	5 2.0%	5 1	0.9%	0 -	1 1.3	5%	1 3.0%	2 5.19	6 0	, -	0	• (	- <u> </u>	0	-	3	1.6%	0		0	
	Q31b_b_3. What types of bulbs do you use with this type of	0	395	93.0% 283	3 96.9%	5 104	94.5%	8 1	72 95.5	i% :	29 89.8%	35 97.4%	6 9	9 1	3	1 20	0 1	11	92.6%	179	97.2%	9	90.7%	18	g
1b_b_3	lighting? Tube fixtures (not including signage): LED	1=Yes	15	3.7% 9	9 3.1%	6	5.5%	0 *	3 4.5	6%	3 10.2%	1 2.69	6 0	•	0	• (	• •	1	7.4%	5	2.8%	1	9.3%	1	
	O245 b. 4. Wheetherse of bulks do you use with this targe of	0	406	95.7% 29 <sup>.</sup>	1 99.7%	107	97.5%	8 1	75	1	32 1	35 97.49	6 8	91.4%	3	1 20	1	12	1	182	98.8%	10	1	19	
1b_b_4	Q31b_b_4. What types of bulbs do you use with this type of lighting? Tube fixtures (not including signage): Other	1=Yes	4	0.9%			2.5%	-	0	_	0 *	1 2.69	-		0	* (		0	•	2	1.2%	0	•	0	
		Total	351	96.5% 243	3 1	102	1	6 1	66	1 :	29 1	32	1 7	7 1	1	1 18	в 1	11	1	155	1	6	1	18	
		1=Yes	155	44.3% 76				5 90.7%			12 44.2%	12 38.69			0	* 11			66.2%	65	43.4%		37.1%	12	
1c	Q31c. Do you have this equipment? Wall-packs	2=No	196	52.1% 167	68.5%	28	27.3%	1 9.3%	39 57.4	1%	17 55.8%	20 61.49	6 4	4 57.8%	1	1 7	7 37.8%	4 :	33.8%	90	56.6%	4	62.9%	6	3
		Total	410	96.7% 292	2 1	110	1	8 1	75	1 :	32 1	36	1 9	9 1	3	1 20	1	12	1	184	1	10	1	19	
	Q31b_c_1. What types of bulbs do you use with this type of	0	313	72.6% 248				4 45.7%			23 69.3%	25 68.79	6 7	7 79.3%	3		1 53.3%		65.6%	149	80.1%		88.7%	12	6
1b_c_1	lighting? Wall-packs: LED	1=Yes	97	24.0% 44	4 15.2%	5 49	44.6%	4 54.3%	16 22.8	\$%	9 30.7%	11 31.39	6 2	2 20.7%	0	• 0	9 46.7%	4 :	34.4%	35	19.9%	1	11.3%	7	3
	O21b o 2 What types of bulbs do you use with this type of	0	384	90.2% 28 <sup>-</sup>	1 96.2%	96	87.4%	7 84.3%	71 94.4	%	30 93.4%	36	1 8	87.9%	3	1 19	9 95.2%	9	74.6%	172	93.0%	9	88.7%	17	8
1b_c_2	Q31b_c_2. What types of bulbs do you use with this type of lighting? Wall-packs: Metal halide	1=Yes	26	6.5% 1			12.6%	1 15.7%	4 5.6		2 6.6%	0	• 1	I 12.1%	0	•	1 4.8%		25.4%	12	7.0%		11.3%	2	1
								_							_										_
1b c 3	Q31b_c_3. What types of bulbs do you use with this type of lighting? Wall-packs: High- or low-pressure sodium	0 1=Yes	380 30	89.1% 28 <sup>4</sup> 7.6% 1 <sup>4</sup>		5 94 5 16		5 52.9% 3 47.1%	70 93.1 5 6.9		31 97.0% 1 3.0%	35 96.9% 1 3.1%			3	1 18	8 89.5% 2 10.5%	12	1	169 15	91.2% 8.8%		88.7% 11.3%	16	8
10_0_0	ignang. Han peole. Fign of for proceede coalant	1-100		1.070	. 0.7 /		11.070	0	0 0.0		1 0.070	,		0.070			10.070				0.070		11.070		
	Q31b_c_4. What types of bulbs do you use with this type of	0	402	94.8% 286			98.2%	8 1	73 97.4		31 96.4%	36	1 9	9 1	3	1 20		12	1	180	98.0%	10	1	19	
lb_c_4	lighting? Wall-packs: Other	1=Yes Total	351	1.9% 6		5 2 1 100		0 * 7 1	2 2.6		1 3.6% 27 1	33	* C 1 7		0	• ( 1 17		0	1	4	2.0%	0		0	
		1=Yes	137	96.8% 244 39.3% 68			62.3%		21 35.9		27 1 6 24.2%	33 17 53.09			2 64		7 1 4 24.5%		1 64.6%	157	1 40.2%	5	1 58.3%	16	3
d	Q31d. Do you have this equipment? Pole lighting	2=No	214	57.5% 176			37.7%				21 75.8%	16 47.09			1 35.				35.4%	96	59.8%		41.7%	10	e
									76																
		Total 0	410 366	96.7% 292 85.7% 273		1 110		8 1 5 52.9%	75 70 92.5		32 1 30 92.8%	36 28 77.09	19 68	9 1 3 91.4%	3	1 20		12	1 91.0%	184 166	1 89.6%	10	1	19 16	
b_d_1	Q31b_d_1. What types of bulbs do you use with this type of lighting? Pole lighting: LED fixtures	0 1=Yes	44	85.7% 27. 11.0% 19		5 88 5 22		5 52.9% 3 47.1%			2 7.2%	8 23.09			0		89.5% 2 10.5%		91.0%	166	89.6%	-	20.6%	3	
														0.070	-	-						-			
	Q31b_d_2. What types of bulbs do you use with this type of	0	385	90.8% 277			92.6%		74 98.7	_	32 1	33 91.5%	-		3	1 19			74.6%	170	92.5%	9	93.6%	18	g
1b_d_2	lighting? Pole lighting: Mercury vapour	1=Yes	25	5.9% 15	5 5.3%	6 8	7.4%	2 14.3%	1 1.3	\$%	0 *	3 8.5%	6 1	12.1%	0	• •	1 5.7%	3 3	25.4%	14	7.5%	1	6.4%	1	
	Q31b_d_3. What types of bulbs do you use with this type of	0	398	93.6% 288	98.5%	102	92.6%	8 1	71 93.7		31 97.0%	35 96.99	6 8	87.9%	3	1 20	1	11	91.0%	181	98.4%	10	1	18	94
																									9

																7=Lodging				10=Manut	fact
			1	Fotal	210		230	240	1=Office	2=Retail	3=Grocery Restaurant	4=Health Services	5=Education	6=War	ehouse	Hospitality	8=Other Commerci	al 9=f	Fishing	Refir Pulp&l	ning
riable Iame	Variable Label	value	n		n Est	n	Est	n Est	n Est	n Est	n Est	n Est	n Est		Est	n Est	n E		Est	n	
ame	Variable Laber	value	n	ESI	n Est	n	ESt	n Est	n Est	n Est	n Est	n Est	n Est	n	ESt	n Est	n E	st n	ESI	n	
	Q31b_d_4. What types of bulbs do you use with this type of	0	396	92.8% 2	88 98.4	% 102	92.6%	6 68.6%	74 98.5%	32 1	33 90.7%	9	1 3	1 19	95.2%	12	1 176 9	4.9% 1	0 1	18	
_d_4	lighting? Pole lighting: High-pressure sodium	1=Yes	14	3.8%	4 1.6	% 8	7.4%	2 31.4%	1 1.5%	0 *	3 9.3%	0	* 0	• 1	4.8%	0	* 8	5.1%	0 .	1	
	Q31b_d_5. What types of bulbs do you use with this type of	0	396	93.5% 2	80 96.0	% 108	98.2%	8 1	70 93.6%	32 1	33 91.7%	8 87.9	% 3	1 20	) 1	12	1 180 9	3.0% 1	0 1	18	
d_5	lighting? Pole lighting: Other	1=Yes	14		12 4.0			0 *	5 6.4%		3 8.3%	1 12.1		• 0		0			• •	1	
		Total	348	96.8% 2		1 98		6 1		29 1		7	1 3	1 17			1 154		6 1	16	
		1=Yes	138	39.1%				2 40.7%				0	* 1 35.49						2 38.3%		
	Q31e. Do you have this equipment? Signage lighting	2=No	210	57.7% 1	60 65.8	% 46	46.4%	4 59.3%	47 74.6%	10 32.8%	8 23.5%	7	1 2 64.69	6 11	65.6%	3 24.19	% 105 6	7.3%	4 61.7%	10	
		<b>T</b>		00.50	~~											4.0				16	
		Total 1=Yes	319 30	96.5% 2 9.6%		1 89 % 21		7 1	62 1	26 1 5 21.3%	27 1 2 6.8%	1 12.4	1 3 % 2 70.89	1 13 6 0		10 2 21.5	1 142 % 12	1 3.9%	0 *	16	
	Q31f. Do you have this equipment? Bollard lighting (Lighting posts)	1=Yes 2=No	289	9.6%								1 12.4 <sup>4</sup> 5 87.6 <sup>4</sup>				2 21.5			6 1	16	
	posisj	2=110	209	00.976 2	14 90.0	/6 00	70.476	/ 1	30 92.07	5 21 70.770	23 93.276	5 87.0	/6 1 29.2/	0 13	, i	0 70.5	/8 130 9	1.170	0 1	10	
		Total	392	96.5% 2	76	1 109	- 1	8 1	72	29 1	33 1	9	1 2	1 20	1	11	1 177	1 1	0 1	19	
		1=Yes	256	90.5% 2 64.2% 1			86.6%					9 6 69.3	1 3 % 3	1 20					8 84.3%	19	
		2=No	112	26.8%				1 7.1%						* 3					2 15.7%	5	
	Q32. Is your exterior lighting on a timer or daylight sensor to	3=No exterior								20.070		2 20.1				. 0.0				Ŭ	
	reduce the hours of operation?	lighting	24	5.5%	24 8.5	% 0	•	0 .	6 8.0%	1 3.3%	1 2.8%	0	* o	• 2	9.5%	0	* 14	7.4%	o •	0	
	Q33_a. What percentage of the exterior lighting at your																				
1	business or organization is LEDs?		339	47.75 2	29 46.	31 103	50.52	7 47.54	59 42.32	24 61.26	32 49.92	6 89.3	9 3 41.1	5 18	65.77	11 42.2	26 153 4	5.12	9 21.46	16	
		Total	410	96.7% 2	92	1 110	1	8 1	75	32 1	36 1	9	1 3	1 20	1	12	1 184	1 1	0 1	19	
	Q33_b. What percentage of the exterior lighting at your	0=Not selected	371	88.0% 2				8 1			35 97.4%	8 91.4	% 3				1 164 8	9.7% 1	0 1	17	
	business or organization is LEDs? No exterior lighting	1=Selected	39	8.6%	38 12.9	% 1	0.7%	0 *	10 12.8%	3 9.0%	1 2.6%	1 8.6	% 0	• 2	9.5%	0	* 20 1	0.3%	0 *	2	
	Q34. Do you have a central control system which	Total	390	96.5% 2		1 106		8 1	72 1	29 1	35 1	8	1 3	1 20		11	1 174	1 1		19	
	automatically regulates lighting (networked lighting) at your	1=Yes	42	10.9%		% 25						3 37.4		• 0		0			• 0	2	
	business or establishment?	2=No	348	85.6% 2	60 94.3		76.4%	7 84.3%				5 62.6	% 3	1 20		11		3.5% 1	0 1	17	
		Total	387	96.7% 2		1 106			72 1	29 1	35 1	8	1 3	1 20			1 173	1	9 1	18	
		1=Yes	262	66.2% 1		% 87			62 86.5%			8	1 3	1 14					8 87.5%	17	
a	Q35a_a. Do you have this equipment? Copiers	2=No	125	30.4% 1				0 *	10 13.5%		12 32.3%	0	* 0	* 6					1 12.5%	1	
a	Q35b_a. How many do you have? Copiers		209	1.72 1		_					18 1.00	6 1.8		-					6 1.73	14	
		Total	390	96.5% 2		1 109		8 1	72 1	30 1		8	1 3	1 20			1 175		9 1	18	
	0255 b. De very here this antisement? Dealther computers	1=Yes 2=No	303 87	75.4% 1 21.1%					69 95.7% 3 4.3%		26 76.2% 9 23.8%	0	* 0	-	5 75.2% 5 24.8%	9 84.0		3.8% 5.2%	9 1	18	
b b	Q35a_b. Do you have this equipment? Desktop computers	Z=INO	239	8.52 1		76 II 18 80						6 14.7	-	* 5 D 11		2 16.0°			0 7 5.27	15	
D	Q35b_b. How many do you have? Desktop computers	Total	380	96.6% 2		1 107			70 17.00	28 1	35 1	8	1 3	1 19		0 4.0	1 170	1	7 5.27 0 1	15	
		1=Yes	229	58.4% 1		% 72	-	7 84.3%	53 76.0%		19 54.1%	7 86.5	× 3	1 13				1.8%	8 87.5%	9	
c	Q35a_c. Do you have this equipment? Laptop computers	2=No	151	38.2% 1		% 35		1 15.7%			16 45.9%	1 13.5		* 8					1 12.5%	9	
с	Q35b_c. How many do you have?? Laptop computers	2-110	179	4.57 1		73 56						5 6.2							6 1.84	7	
-	Laptop computers	Total	385	96.8% 2		1 107	1.23	8 1	72 1	29 1	35 1	9	1 3	1 19		11	1 171		9 1.84	18	
		1=Yes	292	73.7% 1		% 93	-		64 89.1%		25 72.7%	9	1 3	1 16				3.3%	9 1	16	
d	Q35a_d. Do you have this equipment? Computer printers	2=No	93	23.0%		_			8 10.9%		10 27.3%	0	* 0	* 3		2 16.0			0 *	2	
d	Q35b_d. How many do you have? Computer printers		230	3.92 1		70 75					20 1.77	7 4.7	-						7 3.72	13	
		Total	381	96.6% 2		1 105		8 1	72	28 1	35 1	7	1 2	1 19		11	1 171	1	9 1	18	
		1=Yes	123	31.5%		% 37		1 15.7%	7 10.1%			1 11.0	% 1 54.89					3.2%	1 15.5%	1	
е	Q35a_e. Do you have this equipment? Cash registers	2=No	258	65.2% 1		_		7 84.3%			1 2.6%	6 89.0							8 84.5%	17	
в	Q35b_e. How many do you have? Cash registers		95	2.74	65 2.3	33 29	3.60		7 0.69			1 2.0		• 1		5 2.2	25 38	2.99	1 1.00	1	
		Total	387	96.7% 2	74	1 105		8 1	. –			9	1 3	1 19			1 174		9 1	18	
		1=Yes	194	49.2% 1		_		3 38.6%					1 3	1 8					2 22.8%		
f	Q35a_f. Do you have this equipment? Flat-screen televisions	2=No	193	47.5% 1							10 27.5%	0	* 0	• 11					7 77.2%	15	
f	Q35b_f. How many do you have? Flat-screen televisions		158	11.39 1	01 2.3	36 54	23.96	3 43.33	29 2.40	12 1.88	20 3.96	7 38.4	2 1 2.0	0 7	2.30	9 82.2	9 65	8.42	2 1.00	2	
	Q36_a. How many charging stations do you have for electric cars or trucks? Employees or customers		383	0.02 2	68 0	01 107	0.03	8 0.00	72 0.00	30 0.00	32 0.00	8 0.0	0 3 0.0	D 18	0.05	10 0.0	0 174	0.03 1	0 0.00	18	
1			383	0.02 2	00 0.0	107	0.03	o 0.00	12 0.00	, <u>30</u> 0.00	32 0.00	o 0.0	0.0	5 18	0.05	10 0.0	1/4	0.03 1	0.00	18	-
,	Q36_b. How many charging stations do you have for electric cars or trucks? Fleet vehicles		327	0.05 2	29 0.	01 92	0.13	6 0.00	61 0.00	23 0.00	27 0.00	7 0.0	0 2 0.0	0 18	0.74	11 0.0	0 147	0.02	8 0.00	16	
	Q37_1. Please tell us the type and number of charging														1						
	stations you have. 120 Volts		18	3.88	9 0.	75 9	6.56		•	1 0.00	1 0.00	•	• •	• 3	10.14		* 12	3.18		1	
	Q37_2. Please tell us the type and number of charging																				
	stations you have. 240 Volts		13	0.36	6 0.	57 7	0.14	• •	•	1 0.00	2 0.50	1 1.0	• 0	• 2	0.45	•	* 6	0.15		1	
	Q37_3. Please tell us the type and number of charging																				
	stations you have. Direct current fast charging (up to 480																				
	Volts, 50 kW)		10	0.21	4 0.	00 6	0.33		•	1 1.00	1 0.00			• 2	0.00	•	* 6	0.18		•	
		Total	377	96.9% 2	69	1 100	1	8 1	69	28 1	32 1	9	1 3	1 19	1	9	1 173	1	9 1	18	
		Very unlikely	310	79.5% 2	27 84.7	% 78	77.7%	5 61.4%			27 85.5%	9	1 2 70.89			8 88.0	% 141 8	1.4%	8 89.7%	13	
		1	7		5 1.8			0 *	3 4.1%		0 *	0	* 0	• 0	•	0	* 2	1.1%	0 *	1	
		2	16	4.1%	10 3.6	% 6	6.1%	0 *	2 3.1%	1 3.4%	1 2.9%	0	* 0	• 1	5.0%	1 12.0	% 6	3.5%	0 .	2	
					7 2.5	% 3		1 15.7%		1 3.4%			* 0	1	5.0%						

				Overall														Segn		7-1-	odging					10=Manu	fact
				Total	2	10		230	240	1=	Office	2=Retail		irocery taurant	4=Health Services	5=Educ	cation	6=War	ehouse	Hos	odging pitality URB		Other nercial	9=Fisl	ning		ining
iable ame	Variable Label	value	n	Est	n	Est	n	Est r	n Est	n	Est	n Est	n	Est	n Est	n	Est	n	Est	n	Est	n	Est	n	Est		
anne	Valiable Label	4	4	1.0%		1.1%		1.0%		· .		0	• 1		0	• 0				0		3	1.7%	0	-	0	_
		5	14	3.8%	7	2.5%			1 15.79			0	• 1			• 1	29.2%	3				7	4.5%		10.3%	0	
		6	2	0.5%	1	0.4%	5 1	1.0%	0	• 1	1.7%	0	• 0	• 0	0	* 0	•	C	•	0	• (	1	0.5%	0	•	0	)
		7	6	1.5%	3	1.1%		2.0%				0	• 0		0	* 0	•	0		0		5	2.6%	0	•	0	)
		8	2	0.5%	2	0.7%			0	• c		0	• (		0	• 0	•	0		0		2	1.1%	0	•	0	)
	Q38a. In the next five years, how likely is your business or	10=Very likely	3		3	1.1%			0	1		0	• 1 • 0		0	• 0		0		0		1	0.5%	0		0	-
	organization to do the following? Purchase electric vehicles	11=Already have	2	0.5%	1	0.4%	• 1	1.0%	0	• c	-	0	- (	· ·	0	- 0		1	5.0%	0	, <u>-</u>	1	0.7%	0	-	0	)
		Total	376	96.9%	268	1	1 100	1	8	1 69	1	28	1 32	, 1	9	1 3	1	19	1	9	1	172	1	9	1	18	3
		Very unlikely	302	77.4%		85.4%		69.9%	4 45.79				6 26	6 82.6%	8 91.49	6 2	70.8%	13	68.0%	4	41.9%	139	80.2%	8	89.7%	15	5
		1	5	1.3%	3	1.1%	5 2	2.0%	0	• 2	3.1%	1 4.1	6 (	•	0	* 0	•	C	•	0	•	2	1.1%	0	•	0	
		2	14	3.6%	9	3.3%			0	* 3		2 7.6			0	* 0	•	1	5.0%	0		4	2.4%	0	•	1	1
		3	10	2.6%	6	2.2%		2.7%	1 15.79			1 3.4	-		1 8.6%		•	1	5.0%	1	12.0%	4	2.3%	0	•	1	1
		4	6	1.5%	3	1.1%		2.0%	1 7.19			0	• 1		0	• 0	•	0		0		5	2.8%	0	•	0	-
		5	20	5.4%	9	3.3%		10.1% 2.0%	1 15.79	5 2 * 1		0	• 2		0	* 0 * 0		2		4		9	5.7% 0.5%	1	10.3%	0	-
		7	4	1.1%	-	0.7%	-	2.0%	-	· 1		0	• 1		0	* 0		1		0		1	0.5%	0		1	-
	O205 Is the part fire upon how likely is your to	8	6	1.6%	3	1.1%		3.0%			3.1%	0	• 0		0	* 1	29.2%			0		3	1.9%	0		0	-
	Q38b. In the next five years, how likely is your business or organization to do the following? Install electric vehicle	9	1	0.4%	0		* 0		1 15.79			0	• 0		0	* 0	*	C		0		1	0.8%	0	•	0	-
	charging stations	11=Already have	4	1.0%	3	1.1%	5 1	1.0%		• 0	•	0	• (	•	0	• 0	•	1	5.0%	0	*	3	1.7%	0	•	0	)
																											1
		Total	400	96.9%		1	109		8	1 72		30	1 35		9	1 3	1	20		11		183	1	10	1	18	-
		1=Yes	327	79.3%				83.8%							-	1 3	1	13				139	75.9%	9	90.7%	14	_
	freezers at your business or organization?	2=No	73	17.5%	54	19.0%	5 18	16.2%	1 15.79	5 7	9.8%	8 26.1	6 0	•	0	* 0		7	33.3%	0	•	44	24.1%	1	9.3%	4	1
		Total	312	97.3%	24.4		91		-	1 62		21	1 33		9	1 3		12		11		131				14	
		1=Yes	253	97.3%			-	1 87.8%	7	-	81.5%			3 1 3 55.2%		1 3 1 3	1	12				131	1 87.9%	9	1	14	
1	Q40a_a. Do you have this equipment? Residential-size refrigerator	2=No	253	17.9%				12.2%			18.5%	7 31.4		5 55.2% 5 44.8%		* 0		2			38.8%	115	87.9% 12.1%	0		2	
	Q40b_a. How many do you have? Residential-size	2-110	53	17.570	40	22.2 /		12.270	0	12	10.070	7 51.4			0	0			10.070		50.070	10	12.170			2	-
1	refrigerator		212	4.21	137	2.64	1 69	6.66	6 6.4	5 42	1.96	12 1.4	3 12	2 2.36	8 5.5	5 2	3.64	g	1.49	5	2.67	97	6.56	8	2.91	12	2
	Q40c_a. How many are ENERGY STAR rated?															-											
3	Residential-size refrigerator		122	3.22	79	1.13	3 41	6.13	2 11.5	27	2.11	6 1.1	9 5	5 3.25	3 6.5	4 1	0.00	6	1.06	2	2 2.00	58	4.51	3	2.67	8	3
		Total	294	96.4%	-		86		7	1 61		20	1 32		9	1 3	1	13		11		117	1	9	1	12	-
	Q40a_b. Do you have this equipment? Small/bar-size	1=Yes	166	55.0%				66.3%			59.1%			7 53.6%			35.4%					58	50.3%		57.7%	3	_
	refrigerator	2=No	128 137	41.5% 6.94		48.3%		33.7%			40.9%	2 9.4		5 46.4% 1.60	0 7 29.6		64.6%		61.4% 1.00	0		59 48	49.7%		42.3%	9	_
)	Q40b_b. How many do you have? Small/bar-size refrigerator		137	0.94	63	1.52	2 49	14.98	5 4.0	5 29	1.98	14 1.1	5 14	+ 1.00	7 29.6	o 1	1.00	5	1.00	9	49.86	40	3.11	5	1.34	2	-
)	Q40c_b. How many are ENERGY STAR rated? Small/bar-size refrigerator		72	4.57	44	0.87	26	9.70	2 6.5	16	1.98	7 1.0	0 4	1 0.24	3 23.0	9 .		3	0.69	4	40.37	30	1.47	1	1.00	2	,
													-			-											
		Total	288	97.3%	196	1	85	1	7	1 56	; 1	19	1 29	9 1	9	1 3	1	12	1	11	1	121	1	9	1	12	2
	Q40a_c. Do you have this equipment? Residential-size chest	1=Yes	116	39.4%		38.7%	38	44.5%	3 35.6%	5 9	16.6%			7 57.7%	8 90.0%	6 1	35.4%	1	7.7%	4	4 35.4%	61	50.3%	8	89.7%	2	2
C	or upright freezer	2=No	172	57.9%	121	61.3%	6 47	55.5%	4 64.49	6 47	83.4%	17 88.1	6 12	2 42.3%	1 10.0%	6 2	64.6%	11	92.3%	7	64.6%	60	49.7%	1	10.3%	10	)
	Q40b_c. How many do you have? Residential-size chest or																										
C	upright freezer		103	3.59	67	2.28	3 34	5.90	2 1.9	4 8	3.11	1 3.0	0 15	5 3.11	7 3.5	5 1	1.00	1	6.00	4	4.27	56	4.10	7	1.93	1	1
	Q40c_c. How many are ENERGY STAR rated?		50	4 07							0.07												0.00				
;	Residential-size chest or upright freezer		53	1.37	31	1.17	7 16	1.77	-	* 5	3.27	-	6	5 1.73	3 2.5	<u>د</u> •		1	3.00	2	2 2.45	32	0.89	3	0.67	1	-
		Total	273	96.9%	185	1	81	1	7	1 56	1	19	1 28	3 1	8	1 3	1	12	1	11	1	109	1	8	1	12	,
	Q40a_d. Do you have this equipment? Refrigerated vending		48	18.4%			5 31	38.7%						3 10.4%	1 13.89	6 2	64.6%				5 46.8%	109	19.0%	2	22.3%	5	_
ł	machine	2=No	225	78.5%				61.3%			91.8%			5 89.6%			35.4%	10				90	81.0%		77.7%	7	-
	Q40b_d. How many do you have? Refrigerated vending																										
d	machine		38	2.33	11	2.00	24	2.04	3 5.0	) 3	2.33	4 1.0	0 1	1 1.00	1 2.0	0 2	1.45	1	3.00	4	1 2.52	16	3.22	1	1.00	5	5
	Q40c_d. How many are ENERGY STAR rated? Refrigerated																										
l	vending machine		24	1.32	6	0.50	0 16	0.69	2 7.0	) 3	2.00	2 0.5	5 1	1 1.00	•	* 1	0.00	1	0.00	2	2 0.00	9	2.30	1	1.00	4	1
		<b>T</b>	0.05	07.00/																							
		Total 1=Yes	285 67	97.3% 23.5%		17.3%	85		6	1 56 5 1		20 5 25.5	1 32	2 1 0 62.3%	5 58.5%	1 3	1	12		11	56.5%	116 26	23.5%	8	1 24.4%	12	_
	Q40a_e. Do you have this equipment? Commercial refrigerator	1=Yes 2=No	218	23.5%	-			37.3% 62.7%			2.1%			37.7%	5 58.57		4	12		5		26 90	23.5%	-	24.4% 75.6%	10	-
	Q40b_e. How many do you have? Commercial refrigerator	2-110	49	2.90			2 27		1 5.0									12		6		22		1	2.00	1	í
	Q40c_e. How many do you have? Commercial temperator			2.50		2.02			0.0	1	0.00	_ 0.0	. 12	0.00		-							2.20		2.00	'	
	refrigerator		26	1.50	10	0.90	15	1.54	1 5.0	1	5.00		• •	5 0.63	2 2.7	6 •			•	1	3.00	16	1.39			1	
		Total	283	97.2%			84	1					1 34		8		1	12	1	11		114	1	7	1	12	2
		1=Yes	57	20.4%	27	14.0%	5 29	34.5%	1 22.99	6 1	2.1%	2 11.9	6 25	5 74.1%	4 51.2%	6 0	•	1	9.3%	6	56.5%	15	13.7%	0	•	2	2
	Q40a_f. Do you have this equipment? Walk-in refrigerator	2=No	226	76.8%		86.0%		65.5%			97.9%			25.9%	4 48.89		1	11	90.7%	5		99	86.3%	7	1	10	
	Q40b_f. How many do you have? Walk-in refrigerator		43	1.84	20	1.26	6 22	2.27	1 2.0	) 1	5.00	1 4.0	0 19	9 1.69	3 1.3	3 *	•		•	5	5 1.62	12	1.70	•	•	1	1
	Q40c_f. How many are ENERGY STAR rated? Walk-in																										
f	refrigerator		15	0.84		0.45	_	1.14		-		•	-	6 0.52	•	• •	•	12	•	1	1.00	6	0.54	•	•	1	
		Total	282	97.2%			83	1	7	1 56	1	19	1 32		7	1 3					1	115	1	8	1		

				verall				Class											Segm			design (					40.11	dans.
			1	Total	:	210	2	230	240	1=	Office	2=R	etail	3=Gro Resta			lealth vices s	5=Education	6=War	ehouse	7=Loo Hospi MU	itality		Other	9=Fishi	ing	Refi	ufacturing ining &Paper
Variable Name	Variable Label	value	n	Est	n	Est	n	Est n		n	Est	n	Est	n	Est	n	Est	n Est	n	Est	n	Est	n	Est		Est	n	Est
40a_g 40b_g	Q40a_g. Do you have this equipment? Walk-in freezer Q40b_g. How many do you have? Walk-in freezer	2=No	233 35	79.1% 1.88	175 9	91.0%		64.7% 2.13			97.9% 2.00		88.1% 2.00	12 14	35.3% 1.60		67.9% 1.00	3 1	10	81.5% 1.00	7	61.2% 1.00	105 6	90.8% 1.92	3 3	3.2% 3.82	10	
	Q40c_g. How many are ENERGY STAR rated? Walk-in				-																-				-			
40c_g	freezer		13	0.57	5	0.44	7	0.57	1 1.00	) 1	2.00	•	•	5	0.44	•	•			•	•	•	5	0.63	1	0.00	1	0.
		Total	286	97.3%	196	1	83	1	, ,	1 56	1	19	1	32	1	8	1	3 1	12	1	11	1	118	1	8	1	12	
	Q40a_h. Do you have this equipment? Open upright	1=Yes	50	17.8%				28.0%	1 18.6%		3.8%		21.8%		51.7%	4	52.9%	1 35.4%	0			19.4%	20	17.7%	0	•	0	
040a_h	refrigerated display case	2=No	236	79.5%	170	86.5%	60	72.0%	6 81.4%	54	96.2%	15	78.2%	16	48.3%	4	47.1%	2 64.6%	12	1	9	80.6%	98	82.3%	8	1	12	
40b_h	Q40b_h. How many do you have? Open upright refrigerated display case		35	4.06	17	1.79	17	5.94	1 5.00	2	1.55	2	4.19	9	9.86	4	1.52	1 1.00		•	1	2.00	15	2.07				
40c_h	Q40c_h. How many are ENERGY STAR rated? Open upright refrigerated display case		17	11.19	9	1.03	7	23.86	1 5.00	1	2.00			5	35.22	1	2.00				1	2.00	9	0.98				
		Total	277	97.2%	180	1	81	1	, ,	1 56	1	20	1	30	1	7	1	2 1	12	1	11	1	112	1	8	1	12	,
	Q40a_i. Do you have this equipment? Closed upright	1=Yes	44	16.1%		12.4%		24.6%			2.1%		25.5%		59.2%	1	11.3%	0 *	0			19.4%	18	16.7%	0	•	0	
040a_i	refrigerated display case	2=No	233	81.1%	166	87.6%	61	75.4%	6 81.4%	55	97.9%	15	74.5%	13	40.8%	6	88.7%	2 1	12	1	9	80.6%	94	83.3%	8	1	12	
240b_i	Q40b_i. How many do you have? Closed upright refrigerated display case		29	5.32	13	2.59	15	7.44	1 5.00	0 1	1.00	1	12.00	12	9.25	1	2.00				2	1.50	12	1.92				
240c_i	uprigni		15	16.01	7	1.90	7	30.78	1 5.00	1	1.00			-	44.09	1	2.00				-	2.00	7	1.61				
a 700_1	refrigerated display case		10	10.01	'	1.90	1	30.76	. 5.00		1.00			5	-+.09	- 1	2.00				1	2.00	1	1.01				1
		Total	274	97.2%		1	10	1		1 56	1	19	1	30	1	7	1	2 1	12		10	1	111	1	8	1	12	
240a_j	Q40a_j. Do you have this equipment? Open island	1=Yes 2=No	16 258	6.0% 91.2%	6 192	3.1%		12.8%		• 1	2.1% 97.9%				34.2% 65.8%			0 *	12		0 10		2 109	1.9% 98.1%	0	-	12	
240a_	refrigerated display case Q40b_j. How many do you have? Open island refrigerated	2=110	230	91.270	102	90.97	09	01.276	/	1 33	31.370	17	00.176	20	03.0 %	1		2 1	12	. 1	10		109	50.176	0		12	
240b_j	display case		11	3.13	4	1.00	7	4.14	•	• 1	3.00	1	6.00	7	3.32	•				•	•	•	1	1.00	•	•	•	
) 40- i	Q40c_j. How many are ENERGY STAR rated? Open island		4	17.48	2	0.50	2	31.50			3.00			2	32.86									1.00				
240c_j	refrigerated display case		4	17.40	2	0.50	2	31.50		- '	3.00			2	32.00								- 1	1.00				-
		Total	270	97.1%	187	1	76	1	7	56	1	17	1	28	1	7	1	2 1	12	1	11	1	110	1	8	1	12	:
	Q40a_k. Do you have this equipment? Closed island	1=Yes	10	3.6%	-	3.1%		5.3%	-	• 0	•		6.7%		21.3%	0	•	0 *	0			17.7%	1	0.9%	0	•	0	
240a_k	refrigerated display case Q40b_k. How many do you have? Closed island refrigerated	2=No	260	93.5%	181	96.9%	12	94.7%	/ .	1 56	1	16	93.3%	22	78.7%	1	1	2 1	12	1	9	82.3%	109	99.1%	8	1	12	-
240b_k	display case		6	3.17	5	2.00	1	8.00	•					4	3.49	•				•	1	1.00	1	4.00	•			
	Q40c_k. How many are ENERGY STAR rated? Closed island																											
240c_k	refrigerated display case	Total	284	0.00 97.2%	1 195	0.00		1 (	6 1	1 56	1	18	1	1 33	0.00	9	1	2 1	12	1	11	- 1	116	- 1	8	1	12	,
		1=Yes	74	26.1%		18.8%		41.9%					16.9%	19		9	1	0 *	0			84.0%	27	24.0%	-	8.3%	0	
240a_I	Q40a_I. Do you have this equipment? Separate icemaker	2=No	210	71.1%		81.2%			3 56.3%				83.1%	14		0	•	2 1	12	1	2	16.0%	89	76.0%		1.7%	12	
240b_l	Q40b_I. How many do you have? Separate icemaker		58	1.63	27	1.07	29	2.06	2 1.94	\$ 1	2.00	1	1.00	14	1.08	8	2.12				8	3.09	22	1.23	3	2.05		
Q40c_I	Q40c_l. How many are ENERGY STAR rated? Separate icemaker		22	0.64	11	0.63	10	0.60	1 1.00	1	2.00	•	•	5	0.62	1	1.00			•	2	0.00	13	0.61	•	•		-
		Total	257	97.3%	183	1	69	1	5 .	1 56	1	17	1	26	1	5	1	2 1	12	1	8	1	106	1	6	1	12	
	Q40a_m. Do you have this equipment? Any additional	1=Yes	29	11.4%		8.2%		20.5%		• 0	•	1	5.6%	6			•	0 *	2			22.6%	12	12.0%		4.2%	2	
240a_m	refrigeration equipment?	2=No	228	85.9%	168	91.8%	55	79.5%	5 '	1 56	1	16	94.4%	20	77.3%	5	1	2 1	10	81.5%	6	77.4%	94	88.0%	3 4	5.8%	10	83.5
240b_m	Q40b_m. How many do you have? Any additional refrigeration equipment? (DESCRIB		17	2.75	10	1.48	7	4.29	•			1	1.00	4	2.10		•			•	1	1.00	8	2.39	2	7.50	1	1.0
240c_m	Q40c_m. How many are ENERGY STAR rated? Any additional refrigeration equipment? (DESCRIB		5	0.81	4	0.75	1	1.00	•		•	1	1.00	1	0.00				1	1.00			2	1.00				
		Total	399	97.1%	282	1	109	1	в .	1 72	1	30	1	35	1	9	1	3 1	20	1	11	1	182	1	10	1	18	
	Q41. Do you have any cooking equipment at your business or	1=Yes	322	78.4%	223	78.8%	91	83.5%		1 62	85.5%		87.3%	33	94.7%	9	1	3 1	13	65.7%	11	1	134	73.4%		0.0%	16	
241	organization, including microwave ovens?	2=No	326	18.7% 97.0%			-	16.5%	-	10	14.5%		12.7%	2	5.3%	0	•	0 * 3 1	7		0	*	48	26.6%	3 3	0.0%	2	
		Total 1=Yes	326	97.0% 94.7%			93 91	97.8%	-		1		1	34 32	94.6%	9	1	3 1	13		11 11	1	137 131	95.6%	7	1	16	
Q42a_a	Q42a_a. Do you have this equipment? Microwave oven	2=No	8	2.3%	5	2.3%	2	2.2%	1 7.1%	6 0	•	0	•	2	5.4%	0	•	0 *	0		0	٠	6	4.4%	0	•	0	
042b_a	Q42b_a. How many do you have? Microwave oven		272	4.00	188	1.69	78	8.34	6 8.60	53	2.02	24	2.27	28	1.75	8	3.90	3 4.18	11	1.42	8	41.35	110	3.56	6	3.81	14	2.6
242c_a	Q42c_a. How many are ENERGY STAR rated? Microwave oven		147	3.11	102	1.06	42	6.69	3 10.33	3 30	1.97	10	0.94	9	1.44	3	3.89	1 1.00	8	1.02	5	40.21	65	1.86	3	2.33	9	0.9
		Total	305	97.7%	208	1	89	1	в .	1 60	1	24	1	32	1	7	1	3 1	13	1	11	1	127	1	7	1	13	
	Q42a_b. Do you have this equipment? Residential	1=Yes	165	53.5%		52.0%		57.7%			44.5%		17.4%		42.5%	4	56.6%	2 64.6%	3			54.9%	93	73.5%	5 6	57.7%	5	
042a_b	ranges/oven	2=No	140	44.1%		48.0%		42.3%	1 15.7%					19		3		1 35.4%				45.1%	34	26.5%		2.3%	8	
242b_b	Q42b_b. How many do you have? Residential ranges/oven		145	4.94	93	3.19	46	8.07	6 4.33	3 23	1.59	4	1.23	12	1.15	4	2.13	2 1.00	2	1.00	4	9.86	81	7.26	4	2.58	5	5 2.0
Q42c_b	Q42c_b. How many are ENERGY STAR rated? Residential ranges/oven		76	1.59	49	1.43	25	1.46	2 5.50	12	1.14	1	2.00	3	1.30	2	2.93	1 0.00	2	1.00	3	3.05	45	1.74	1	3.00	4	0.5
		Total 1=Yes	289	97.6%			86	1	-	-	1		1	33		-	1	3 1			11	1	116	1 17.2%	7	1	13	3
			52		00	10.3%		35.9%			2.2%		13.4%		46.2%	7	88.6%	0 *	0			56.5%	19			6.1%	0	al.

				verall			te Class											Segme		7-1-	daina					0-Manuf	oturir -
				Fotal	210		230	240	1-0	Office	2=Retail		rocery aurant	4=Heal Service		5=Educ	ation	6=Ware	house	Hos	dging bitality JRB	8=C	other nercial	9=Fish		0=Manufa Refin	ing
Variable																										Pulp&P	
Name	Variable Label	value	n		Est		Est	n Est		Est	n Est	n	Est		st	n	Est .	n	Est	n	Est	n	Est		Est	n .	Est
2b_c	Q42b_c. How many do you have? Commercial range		42	1.43	15 1.	61 26	1.3	1 1 2.0	0 1	3.00	2 1.00	12	1.71	6	1.00	-	-			5	1.59	15	1.30	1	1.00		
2c_c	Q42c_c. How many are ENERGY STAR rated? Commercial range		16	0.54	7 0	43 8	0.3	9 1 2.0	• 0		1 1.00	3	0.00	2	0.59							9	0.60	1	1.00		
	×	Total	290	97.6% 19	95	1 87		1 8	1 54	1	24 1	33	1	8	1	3	1	12	1	11	1	117	1	7	1	13	
		1=Yes	57	20.2%		% 35	40.19			2.2%	3 13.4%				8.6%	0	•	0	•	7		20	18.0%		16.1%	0	
2a_d	Q42a_d. Do you have this equipment? Commercial oven	2=No	233	77.4% 1				6 7 84.3		97.8%	21 86.6%		44.2%		1.4%	3	1	12	1	4		97	82.0%		33.9%	13	
2b_d	Q42b_d. How many do you have? Commercial oven		47	2.09	1.9	94 29	2.1	7 1 2.0	0 1	3.00	2 3.74	16	1.82	6	1.30					6	2.28	15	2.42	1	1.00	-	
2c_d	Q42c_d. How many are ENERGY STAR rated? Commercial oven		15	1.01	5 1.4	40 9	0.6	9 1 2.0	۰ ·			4	0.55	2	0.59							8	1.33	1	1.00		
420_U	oven	Total	289	97.6% 19		1 87		1 8	1 54	1	24 1	33		8	1	3	1	12	1	11	1	116	1.55	7	1.00	13	
		1=Yes	37	13.5%		% 24		6 1 15.7		2.2%	2 9.5%		34.5%	2 2	3.6%	0	•	0	•	5	46.8%	15	14.2%	0	•	0	
2a_e	Q42a_e. Do you have this equipment? Commercial fryer	2=No	252	84.1% 18				6 7 84.3		97.8%	22 90.5%		65.5%		6.4%	3	1	12	1	6		101	85.8%	7	1	13	
12b_e	Q42b_e. How many do you have? Commercial fryer		32	2.25	1 2.3	34 20	2.2	2 1 2.0	0 1	2.00	1 2.00	10	3.17	2	1.00		•		•	4	3.00	13	1.57	•	•	•	
120.0	Q42c_e. How many are ENERGY STAR rated? Commercial		13	1.22	3 1.	10 9	1.1	5 1 2.0				3	2.12	1	0.00								1.04				
42c_e	fryer	Total	289	97.6% 19		1 86			1 54	1	24 1			8	0.00	3	1	12	1	11	1	9 116	1.04	7	1	13	
		1=Yes	39	13.8%		% 24		6 1 15.7			2 9.5%		36.4%	-	1.0%	0	•	0		4		15	13.8%	0	•	0	
42a_f	Q42a_f. Do you have this equipment? Commercial griddle	2=No	250	83.8% 18				6 7 84.3		97.8%	22 90.5%		63.6%		9.0%	3	1	12	1	7		101	86.2%	7	1	13	
42b_f	Q42b_f. How many do you have? Commercial griddle		33	1.23	2 1.	50 20	1.1	0 1 1.0	0 1	1.00	1 1.00	11	1.17	4	1.00	•	•	•	•	3	1.65	13	1.28	•	•	•	
12a f	Q42c_f. How many are ENERGY STAR rated? Commercial		40	0.70	- ·	10 0		8 1 1.0				_	0.31		0.00								0.00				
42c_f	griddle		12	0.72	5 1.4	40 6	0.1	8 1 1.0	· ·	-		3	0.31	1	0.00		-				-	8	0.93	-	-	-	
		Total	286	97.5% 19	92	1 86		1 8	1 54	1	24 1	31	1	8	1	3	1	12	1	11	1	115	1	7	1	13	
	Q42a_g. Do you have this equipment? Commercial steam	1=Yes	25		6 3.1		20.9	-	-	2.2%	2 9.5%		19.6%	4 5	1.2%	0	•	0		3	29.1%	6	5.4%	2 2	25.2%	0	
2a_g	cooker	2=No	261	88.6% 18	36 96.9	% 68	79.19	6 7 92.9	% 53	97.8%	22 90.5%	25	80.4%	4 4	8.8%	3	1	12	1	8	70.9%	109	94.6%	5 7	74.8%	13	
42b_g	Q42b_g. How many do you have? Commercial steam cooker		21	1.31	6 1.	00 14	1.4	4 1 1.0	0 1	2.00	1 1.00	6	1.00	4	1.00	•	•	•	•	2	1.00	4	1.57	2	1.64	•	
2c_g	Q42c_g. How many are ENERGY STAR rated? Commercial steam cooker		8	0.26	4 0.:	25 4	0.2	7 *				3	0.38	1	0.00							3	0.31	1	0.00		
2a_h	Q42a_h. Do you have this equipment? Any other cooking equipment?		279	1.89 1	1 1	89 82	1.8	8 6 2.0	0 54	1.96	22 1.90	29	1.74	7	1.89	3	2.00	12	1.83	11	1.81	113	1.91	6	2.00	14	1
	Q42b_h. How many do you have? Any other cooking														1.00		2.00								2.00		
2b_h	equipment?		20	1.92	4 2.	14 6	1.5	0 *	* 2	2.00	2 1.90	5	3.34	•	•	•	•	1	1.00	1	1.00	6	1.16	•	•	1	1
l2c_h	Q42c_h. How many are ENERGY STAR rated? Any other cooking equipment?		11	0.74	8 0.	63 3	1.0	• •	* 2	1.00	2 0.55	1	0.00					1	1.00			4	1.00			1	0.
20_11				0.74	0 0.	00 0	1.0		2	1.00	2 0.55		0.00						1.00				1.00				0
	Q43. Aside from your heating and ventilating system and	Total	389	97.1% 2	-	1 107		1 7	1 67	1	31 1	34	1	9	1	3	1	20	1	10		177	1	10	1	19	
	refrigeration system, do you have any other electric motors at	1=Yes	136	34.8%						13.7%	13 44.6%		13.6%		0.7%	3	1	6			41.1%	67	38.7%		90.7%	14	74.
43	your business or organization?	2=No Total	253 129	62.3% 20 96.5% 0		% 49 1 54	46.2	%0 16	* 58 1 9	86.3%	18 55.4% 12 1	29	86.4%	7 7	9.3%	0	-	14	70.5%	6		110 64	61.3%	1	9.3%	5 13	25.
		1=Air Compressor	66	48.9%		-		6 4 70.4		87.4%	7 57.5%	-	80.0%		8.6%	3	1	4	67.8%	4		21	31.6%	4 4	56.2%	13	94.
		2=Pump	30	22.6%					* 0		1 9.1%				1.4%	0	•	0	*	0		25	39.4%		12.8%	0	01.
		3=Fan	9		1 1.4		13.39		% 0	•	1 9.1%	0	•	0	•	0	•	0	•	2	52.3%	6	9.3%	0	•	0	
		4=Conveyor belt	5		1 1.4	_	-	6 0	* 0		1 9.1%			0	•	0	•	1	16.1%	0		1	1.7%		31.0%	0	
44a_a	Q44a_a. How is this motor used? Motor #1	5=Other	19	14.2%	10 14.2	% 8	14.6	6 1 20.4	% 1	12.6%	2 15.1%	1	20.0%	0	•	0	•	1	16.1%	1	26.1%	11	17.9%	0	•	1	5.
44b_a	Q44b_a. What is the horsepower of this motor? RECORD Motor #1		92	25.76	10 7	47 39	20 4	9 5 140.8	· -	12.62	7 5.22	2	3.05	2	3.53	2	6.83	4	6.81		14.41	51	27.94	5	7.75		83
440_a		Total	115	96.1%		47 39 1 49		9 5 140.0 1 5	1 9	12.02	8 1	4		2	3.53	2	0.03	4	0.01	3		58	27.94	6	1.75	12	03
		1=Continuous	15		6 10.1			6 1 10.2		10.4%	0 *		25.0%	0	•		35.4%	0		1	26.1%	6	10.2%			4	32.3
		2=On/Off or																									
		Load/Unload	89	73.8%	51 82.9	% 35	71.3	6 3 67.3	% 8	89.6%	8 1	3	75.0%	2	1	2	64.6%	6	1	3	73.9%	42	71.0%	4 6	69.0%	8	67.
		3=Throttling		0.000						_						_		_								_	
		Valve, Vane or Da	1	0.9%	0	- 1	2.19	6 0	- 0		0 *	0		0		0		0	•	0		1	1.9%	0		0	
4c_a	Q44c_a. How is the motor controlled? Motor #1	4=Variable-speed drive	10	9.0%	4 6.9	% 5	10.5	6 1 22.4	% 0			0		0		0		0		0		٥	16.8%	1	17.0%	0	
		Total	87	96.6%		1 39		1 6	1 5	1	4 1	3	1	1	1	1	1	3	1	3	1	46	10.070	6	1	11	
		1=Air Compressor	8	8.9%	4 10.1	% 4	9.8	6 0	* 0	•	0 *	0	•	0	٠	0	•	0	•	1	35.4%	5	11.2%	1 1	14.7%	1	8.
		2=Pump	36	40.5%				6 3 50.0		59.2%	1 26.1%		33.3%	0	•	0	•	0	•	1		21	46.5%		49.8%	3	28.
		3=Fan	16		2 28.1					40.8%	1 21.6%		33.3%	0	*	0	•	1	37.7%			11	21.7%	0	•	0	
14a_b	Q44a_b. How is this motor used? Motor #2	4=Conveyor belt 5=Other	5 22	6.1% 24.6%	0 22.4	* 5		% 0 % 2 40.7	* 0 % 0		1 26.1% 1 26.1%	-	* 33.3%	0		0	•	0	* 62.3%	0	* 35.4%	1	2.4% 18.2%		35.5%	1	9. 54.
нча_U		J=Otner	22	24.0%	0 23.4	/0 10	24.9	ro ∠ 40.7	/o U		1 20.1%	1	33.3%		1	1	1	2	02.3%	1	30.4%	8	16.2%	0		6	54.
4b_b	Q44b_b. What is the horsepower of this motor? RECORD Motor #2		71	32.35	32 9.	18 34	28.7	6 5 166.6	3 3	20.99	4 5.99	1	1.10	1	1.50			2	11.79	3	16.32	40	33.03	5	12.42	9	81
		Total	81	96.3%		1 37			1 5		4 1			1	1	•	•	3	1	3		44	1	5	1	11	
		1=Continuous	12	14.4%	4 10.9			6 2 32.7	% 2	40.8%	0 *	0	•	0	•	•	•	0	•	0	•	4	8.5%	3 6	60.5%	3	27.
		2=On/Off or																									
		Load/Unload	60	70.3%	82 81.5	% 27	72.9	6 1 22.4	% 3	59.2%	4 1	2	1	1	1	•	•	3	1	3	1	33	74.5%	1 1	19.7%	7	60.6
		3=Throttling		1.3%	0		2.8	6 0						0									2.5%	0			
		Valve, Vane or Da 4=Variable-speed	1	1.3%	J	1	2.8	ro U	U	-		0		U	-	-	-	U		0		1	2.5%	U	-	U	
		+= valiable-speed		10.4%	3 7.6	% 3		6 2 44.9	% 0														14.5%		19.7%		12.0

				overall			Rate														Segm									
				Total		210		230	240		1=Off	ice	2=Re	tail	3=Gro Resta		4=He Serv		5=Edu	cation	6=War	house	Hos	odging pitality URB		Other mercial	9=Fi	shing	Ref	ufacturin fining &Paper
/ariable Name	Variable Label	value	n	Est	n	Est	n	Est	n E	st	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
		Total	54	94.6%			1 27		6	1	4	1	2	1	1	1	1	1	•	•	1	1	1		1 27				10	
		1=Air Compressor	5	8.2%		18.8%	-	3.8%			0	*	0		0	•	0				0		· c	)	* 3					2 19
		2=Pump 3=Fan	19 13		6				1 20 4 59			50.0% 27.4%		45.2% 54.8%	0	1	1	- 1			0		' 1		1 13 * 6			25.8% 32.6%	1	0
		4=Conveyor belt	4	7.3%	1			11.5%		*	0	*	0	*	0		0				0		· .		* 1	4.09		41.6%		1 1
la_c	Q44a_c. How is this motor used? Motor #3	5=Other	13			37.5%			1 20	4%	-	22.6%	0	•	0		0			•	1	1			* 4					6 5
	Q44b_c. What is the horsepower of this motor? RECORD												-																	-
b_c	Motor #3		43	49.29	13	5.60	25	38.39	5 18	3.67	2	16.50	2	0.50	•	-	1	5.00	•		•		1	2.0	0 23	57.5	3 4	13.13	ş	8
		Total	51	95.7%	20	1	1 26	1	5	1	4	1	2	1	1	1	1	1	•	•	•		1		1 27		1 5	1	ş	9
		1=Continuous	9	17.1%	2	9.8%	65	19.9%	2 32	.7%	1 2	27.4%	0	•	0	•	0	•	•	•	•		• •	)	* 3	10.39	6 2	40.8%	3	3
		2=On/Off or																												
		Load/Unload	34	61.5%	18	90.2%	6 15	56.2%	1 22	.4%	3 7	72.6%	2	1	1	1	1	1		•	•		1		1 18	64.6%	6 2	39.5%		5
		3=Throttling									_		_		_		_													
		Valve, Vane or Da	1	2.0%	0		- 1	4.0%	0	•	0		0		0		0							)	· 1	4.0%	6 0		(	)
kc_c	Q44c_c. How is the motor controlled? Motor #3	4=Variable-speed drive	7	15.1%	0		• 5	10.0%	2 44	0%	0		0		0		0								. 5	21.19	4	19.7%		1
ro_0		Total	44	96.6%		1			6	1	3	1	*		*		1	1					1		1 23		1 6		ç	
		1=Air Compressor	1	1.7%			* 1	3.7%			0			•	•	•	1	1		•			· c	)	* 0		• 0		(	0
		2=Pump	16			34.5%	6 9	45.5%	1 20	.4%	1 3	35.4%	•	•	•	•	0	•	•	•	•		1		1 10	45.79	6 2	36.7%	5	2
		3=Fan	7	15.1%	4	21.8%	6 3	15.7%	0	•	1 3	35.4%	•	•	•	•	0	•	•	•	•		· c	)	* 6	25.29	6 0	•	(	0
		4=Conveyor belt	8	18.9%	1	5.5%	6 4	20.9%	3 50	.0%	0	•	•	•	•	•	0	•	•	•	•		· c	)	* 3	14.69	6 4	63.3%	1	1 1
la_d	Q44a_d. How is this motor used? Motor #4	5=Other	12	24.7%	7	38.2%	63	14.2%	2 29	.6%	1 2	29.2%	•	•	•	•	0	•	•	•	•		• c	)	* 4	14.5%	6 0	•		6 (
	Q44b_d. What is the horsepower of this motor? RECORD																													
b_d	Motor #4		37	47.67					5 15			4.00	•	•	•	•	1	2.00	•	•	•		1	2.0				13.97	7	7
		Total	40				1 19		5	1	3	1	•	•	•	•	1	1	•	•	•				1 21					9
		1=Continuous	8	19.8%	1	6.1%	6 5	27.6%	2 32	.7%	1 3	35.4%	•	•	•		0						• c	)	* 3	13.39	6 2	40.8%	2	2
		2=On/Off or Load/Unload	25	57.1%	45	02.00/	6 9	44.8%	1 22	40/		64.6%					1								1 14	64.6%		19.7%		6
			25	57.1%	15	93.9%	6 9	44.8%	1 22	.4%	2 6	64.6%	-	-	-	-	1	1		-			. 1		1 14	64.6%	6 1	19.7%		2
		3=Throttling		2.6%	0			5.5%	0		0						0									5.2%				
		Valve, Vane or Da	1	2.0%	0			5.5%	0		0						0						L L			5.27	• U			5
lc_d	Q44c_d. How is the motor controlled? Motor #4	4=Variable-speed drive	6	16.8%	0		• 4	22.1%	2 44	9%	0						0							,	• 3	16.99	6 2	39.5%		1
o_u		Total	33		-	1		1		1	2	1	•	•	•		1	1		•			1		1 15		1 5			8
		1=Air Compressor	1	2.7%	1			•	0	•	•	•	-	•	•	•		•	•	•	•		•				• •	•		
		2=Pump	15	45.8%	4	33.3%	69	52.2%	2 57	.9%	1 5	54.8%	•	•	•	•	1	1	•	•	•		1		1 9	63.5%	6 2	40.8%	1	1
		3=Fan	3	8.5%	2	16.7%	6 1	6.2%	0	•	0	•	•	•	•	•	0	•	•	•	•		· c	)	* 2	13.29			1	1
		4=Conveyor belt	3				* 3			•	0	•	•	•	•	•	0	•	•	•	•		• c		* 1			39.5%		0
la_e	Q44a_e. How is this motor used? Motor #5	5=Other	11	31.1%	5	41.7%	64	23.0%	2 42	.1%	1 4	45.2%	•	•	•	•	0	•	•	•	•		• c	)	* 3	16.09	6 1	19.7%	e	6
	Q44b_e. What is the horsepower of this motor? RECORD																													
4b_e	Motor #5		30	28.58					4 8			4.00	•	•	•	•	1	3.00		•			1	2.0					e	6
		Total	33	97.7%			1 18 6 6		4	1	3	1 35.4%			:		1	1					' 1 ' (		1 15 * 3					8 2 2
		1=Continuous	9	26.7%	1	9.1%	6 0	33.3%	2 42	.1%	1 3	35.4%	-	-	-	-	1	1		-			· (	1	- 3	18.6%	6 Z	40.8%	2	2
		2=On/Off or Load/Unload	17	47.6%	٩	81.8%	6 8	43.3%	0		2 6	64.6%					0								1 8	52.0%	4 1	19.7%	,	5 8
		4=Variable-speed	17	47.0%	9	01.07	0 0	43.376	0		2 0	04.0 /6					0								1 0	52.07	0 1	19.770		J .
4c_e	Q44c_e. How is the motor controlled? Motor #5	4=variable-speed drive	7	23.4%	1	9.1%	6 4	23.4%	2 57	9%	o						0							,	• 4	29.49	6 2	39.5%		1
0_0		diffe		20.170		0.17		20.170	2 0/	.070																20.17		00.070		
		Total	281	96.0%	191	1	1 83	1	7	1	47	1	22	1	22	1	5	1	3	1	14	1	6	5	1 129		1 7	1	19	9
		1=Yes, radiating																												
		heat	6	2.1%	2	1.0%	64	4.5%	0	•	0	•	0	•	1	4.1%	1	16.7%	0	•	1	8.4%	6 0	)	* 1	0.9%	6 0	•	1	1
		2=Yes, a steam																												
		system	2	0.6%	0		* 1	1.2%	1 8	.5%	1	2.4%	0	•	0	•	0	•	0	•	0		· c	)	* 0		• 1	9.1%	(	D
	Q45. Aside from your heating and ventilating system, do you	3=Yes, a hot																												
	use electricity to generate radiating heat, steam or hot water	water system	7	2.5%	1			7.0%	-	•	0	•	0	•	0	•	1	16.7%	0	•	0		1	17.79		2.5%		•	1	1
	used in industrial processes?	4=No	266	90.8%	188	98.5%	6 72	87.3%	6 91	.5%	46 9	97.6%	22	1	21	95.9%	3	66.7%	3	1	13	91.6%	5 5	82.39	6 125	96.6%	6 6	90.9%	17	7
	Q46_a. What is the capacity of your electric steam or hot																													
_a	water system? In kW		6	400.51	3	700.00	3	126.15	-			-		-	1	6.00	1	342.00		-	1	100.00	, .		* 3	652.2	· ·			-
	Q46_b. What is the capacity of your electric steam or hot		1	400000				400000										400000												
_b	water system? In BTUs per hour		- 1	400000			- 1	400000		_							- 1	400000							-					
		Total	389	97.1%	272		1 109	1	7	1	69	1	31	1	32	1		1	3	1	20		11		1 177			1	19	
	Q47. Does your business or organization have any hockey or		9	2.5%			* 9	8.4%			09		0		0		0		0		20			-	* 9		6 0			0
	curling ice sheets?	2=No	380				1 100	91.6%		1	69	1	31	1	32	1	9	1	3		20			-	1 168				19	
	Q47a_i. How many refrigerated hockey or curling ice sheets				5												-		5	· · ·	_0			1						-
'a_i	do you have at this location? Number of pads		8	1.75	٠		* 8	1.75	•	•	•	•	•	•	•		•		•	•					* 8	1.7	5 .	•		•
	Q47a_ii. How many refrigerated hockey or curling ice sheets																													
			8	13537.5	٠		• 8	13537.5		•		•	-	•	•	-			•	•	•		• •	·	* 8	13537.	5 *	•		•
a_ii	do you have at this location? Total square footage for all pads		-																											

			0	verall			Rate C	1055												Segm	ent								
			1	Total	:	210	23	80	240	1=	Office	2=Ret	ətail	3=Groo Restau		4=He: Servi		5=Educ	ation	6=Ware	house	Hosp	odging bitality JRB	8=Of Comm		9=Fi	shing	10=Manufa Refin Pulp&P	ning
Variable Name	Variable Label	value	n	Est	n	Est	n	Est	n Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
48	Q48. Does your business or organization have any heated	1=Yes 2=No	9 378	2.5% 94.6%		0.7% 99.3%	7		0 * 7 1	68		0 31	•	0 32	•	0	•	0	•	1 19	4.8% 95.2%	5	46.8% 53.2%	2 174	1.3% 98.7%	0		0 19	
48a_b	swimming pools, hot tubs, or Jacuzzis? Q48a_b. Number indoor heated swimming pools	2=110	3/0	0.52		0.00	6	0.67						32		*	-		-	19	\$3.2 %	4		3	0.71				
48a_c	Q48a_c. Number indeer heated swimming pools		9	0.32		0.33	6	0.17				•		•			•			1	1.00		0.0-	3	0.00				
48a_d	Q48a_d. Number indoor hot tubs or Jacuzzis		8	3.77		0.50	6	4.67		•		•	•	•	•	•	•	•	•	•	•	5		3	0.71		•	•	
248a_e	Q48a_e. Number outdoor hot tubs or Jacuzzis		6	0.00		0.00	4	0.00	• •	•	•	•	•	•	٠	•	•	•	•	•	•	3		3	0.00		•	•	
	Q49_1. Does your business or organization have any of the																												
	following embedded generation equipment on site?	Total	410	96.7%			110		8 1	75		32	1	36	1	9	1	3	1	20	1	12		184	1	10		19	
249_1	Emergency Generator	1=Selected	59	14.5%	26	9.1%	31	28.0%	2 22.9%	8	11.0%	2	7.2%	5	14.8%	7	75.7%	0	•	2	11.5%	1	7.4%	27	15.4%	1	14.0%	3	15.9
249_2	Q49_2. Does your business or organization have any of the following embedded generation equipment on site? Combined Heat and Power Generator	d 1=Selected	1	0.3%	0		1	0.9%				1	3.6%	0		0		0		0		0		0		0		0	
10_L	Q49_5. Does your business or organization have any of the	1-00100100		0.07				0.070	0				0.070					0						0					
249_5	following embedded generation equipment on site? Other	1=Selected	2	0.4%	2	0.7%	0	•	0 .	1	1.3%	0	•	0	•	0	•	0		0		0	•	1	0.5%	0	•	0	
_																													
	Q49_6. Does your business or organization have any of the																												
	following embedded generation equipment on site? None of	Total	410	96.7%			110		8 1	75		32	1	36	1	9	1	3	1	20	1	12		184	1	10		19	
249_6	the above	1=Selected	301	70.6%	223	76.3%	73	66.4%	5 61.4%	55	73.7%	26 {	80.2%	26	71.8%	1	12.1%	3	1	16	79.0%	10	85.2%	137	73.6%	7	67.3%	15	79.5
	Q49a. What percentage of the electrical load for your																												
240-	business or organization is connected to your embedded		-			22.50		64.70			40.00		0.00		44.50	_	27.40			_	100.0-		45.00		F0 4-			_	
Q49a	generation?		53	45.06	25	33.52	27	54.76	1 30.00	7	46.83		0.00	4	11.58	6	37.46			2	100.00	1	15.00	25	52.16	· ·		5	28.6
	Q50. In addition to the energy-using equipment asked about	Total	347	96.7%	249	1	93	1	5 1	65	1	27	1	31	1	7	1	2	1	17	1	a	1	159	1	7	1	17	
	previously, does your business or organization have any other	1=Yes	40	11.4%		9.8%		15.7%	1 25.6%				7.9%	0		1	11.3%	1	54.8%	4	24.8%	1	9.9%	18	11.7%	1	16.8%	7	40.2
250		2=No	307	85.3%	225	90.2%		84.3%	4 74.4%		95.6%		92.1%	31	1		88.7%	1	45.2%	13	75.2%		90.1%	141	88.3%		83.2%	10	
Q51a	Q51a. How many inches thick are the walls at your business or organization?		332	6.73	229	6.19	96	7.86	7 6.37	54	7.15	26	6.88	26	6.47	6	6.38	3	7.27	18	7.56	9	5.80	155	6.40	10	5.87	18	6.8
Q51b	Q51b. How many inches of insulation does your business or organization have in the building at this location?		285	5.45	196	5.17	84	6.03	5 5.47	44	6.08	22	5.01	22	4.49	5	9.28	3	4.44	16	5.60	10	7.69	137	5.16	7	5.91	14	5.8
		Total	380	97.0%	267	1	106	1	7 1	69	) 1	29	1	31	1	8	1	3	1	20	1	10	1	173	1	10	1	18	
		1=Less than 10																											
		percent	183	46.7%	130	48.8%	48	45.1%	5 72.9%	24	33.6%	17 5	58.3%	13	42.2%	0	•	0	•	15	76.2%	0	•	87	50.7%	10	1	15	82.3
		2=11 to 25																_		_		_						_	
		percent	126	32.0%	96	36.1%	29	27.7%	1 8.5%	28	40.9%	9 3	30.4%	10 :	33.0%	4	52.9%	3	1	5	23.8%	5	46.3%	55	31.6%	0		2	11.8
		3=26 to 50	50	45.00/	27	42.00/	22	20 59/		4.2	40.70/		7.00/		04.00/		47 40/						40.70/	20	40.00/				
		percent	59	15.0%	37	13.6%	22	20.5%	0 .	13	19.7%	2	7.3%	/ :	21.9%	4	47.1%	0	-	0		1	10.7%	30	16.9%	0		1	5.9
Q51c	business or organization is covered with window glass or glass doors?	4=51 to 75 percent	12	3.3%	4	1.5%	7	6 7%	1 18.6%	4	5.8%	1	4.0%	1	3.0%	0		0		0		4	43.0%	1	0.8%	0		0	
4010	gias doors:	percent	12	5.57		1.070	-	0.770	1 10.070		0.070	- '-	4.070		5.070			0		0			43.070		0.070	0			
		Total	359	96.8%	258	1	95	1	6 1	65	1	28	1	31	1	8	1	3	1	19	1	7	1	164	1	9	1	16	
		1=Wood	45	11.7%		14.5%	6		1 9.3%				4.1%		19.3%	0	•	0	•	2	10.0%	2	26.2%	18	10.5%	3	26.8%	3	16.6
		2=Vinyl	176	47.0%	141	55.1%	32	33.3%			43.5%		52.0%		33.4%	7	90.3%	1	29.2%	7	37.0%		73.8%	83	50.2%	6	73.2%	8	50.8
		3=Aluminum	122	33.7%			53		2 40.7%				40.5%		47.3%	1	9.7%		70.8%	9	48.0%	0		50	31.0%			4	27.2
	Q51d. What type of window frames do you have at your	4=Fiberglass	2	0.5%		0.8%	0		0 .	0		0	•	0		0	•	0		1	5.0%			1	0.6%			0	
Q51d	business or organization?	5=Other	14	3.9%	10	4.0%	4	4.3%	0 *	0	•	1	3.4%	0	*	0	•	0	•	0		0	•	12	7.7%	0	•	1	5.5
		Tatal	359	00.0	05.		98						,	~		_								450		-			
		Total 1=One	359	96.8%		10.0%	98 7		7 1 2 37.3%	67	4.3%	29	1 16.5%	33	9.5%	8	1 27.6%	3	1	19 0	1	11	1 8.0%	153 14	8.7%	9	1 10.5%	18 4	25.4
		2=Two	266			72.7%			5 62.7%		4.3% 81.6%		51.7%		9.5% 72.8%		58.5%		64.6%	13	70.1%		82.3%	114	75.3%		89.5%	4	
	Q51e. How many panes of glass do the windows have in the	3=Three	14	3.7%	-	4.8%	2	2.1%		2			7.3%		9.3%	0	*	0	*	1	5.0%	1		5	3.1%			0	
Q51e	building at this location?	4=Four or more	44			12.5%	12	12.4%			11.3%		24.5%	3	8.4%		13.8%		35.4%	5	24.9%	0		20	12.9%			0	
		Total	363	97.1%			97		5 1				1	31	1	8	1	3	1	19	1	9	1	165	1	8	1	18	
		1=Built-up roofing (gravel top	32	8.6%	19	7.1%	11	11.5%	2 32.7%	11	16.9%	3	11.1%	5	17.3%	0		0		0		0		11	6.6%	1	7.7%	1	6.0
		2=Single-ply membrane (rubber	52	14.3%	24	9.0%	27	27 6%	1 22.4%	10	15.8%	_	22.8%	-	22.5%	2	19.5%	2	70.8%		10.0%	-	35.4%	13	7.9%			P	35.1
		(rubber 3=Shingle roofing	183			9.0% 60.5%		26.2%			47.5%		22.8% 51.6%		43.2%		19.5% 66.7%	2	10.0%	2	26.0%		35.4% 64.6%	92	7.9% 54.8%		50.1%	4	
		4=Metal roofing	83	22.7%		20.3%			1 22.4%				14.5%		43.2 % 14.0%		13.8%		29.2%	12				41	25.7%		25.1%	6	32.3
		5=Green roofing	2	0.6%		*	2	2.1%		1			*	0	*	0	*	0	*	0	*	0		1	0.7%			0	02.0
251f	Q51f. What type of roof does your building have?	6=Other	11	3.0%		3.0%	2		1 22.4%				•		3.0%	0	•	0	•	0	•	0		7	4.2%		17.0%	1	4.9
	Q52_1. Have any of the following major retrofits been made																												
	to																												
		Total	410	96.7%	292	1	110	1	8 1	75	1	32	1	36	1 5.7%	9	1	3	1 35.4%	20	1	12	1	184	1 5.9%	10	1	19	

		Overall			all Rate Class														Segme	ent								
		Total		otal	210	230		240	1	1=Office		=Retail	3=Grocery Restaurant		4=Health Services		5=Education		6=Warehouse		7=Lodging Hospitality MURB		8=0 Comm		9=Fi	shina	10=Manuf Refir Pulp&l	ning
Variable																												
Name	Variable Label Q52_2. mave any or the following major retrolits been made	value	n	Est n	Est	n	Est	n E	st n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est	n	Est
2_2	to the business or organization at this location within the last 5 years? Lighting equipment Goz_o. nave any or use ronowing major retroms been made	1=Selected	113	27.2% 64	21.8%	46	41.8%	3 38	.6% 1	2 16.5%	1	0 31.8%	10	28.4%	1	8.6%	C	, ·	8	42.0%	5	43.4%	53	29.5%	3	31.9%	9	46.
2_3	to the business or organization at this location within the last 5 years? Heating and/or cooling equipment Goz_4. have any or une rollowing major retronts been made	1=Selected	80	18.9% 53	18.1%	25	22.5%	2 22	.9% 1	0 13.2%		5 15.6%	9	23.7%	1	8.6%	C	, ·	6	31.5%	4	34.4%	37	20.4%	3	29.0%	5	25.
2_4	to the business or organization at this location within the last 5 years? Motors Goz_o. have any or me ronowing major remons been made	1=Selected	25	6.1% 8	2.9%	15	13.6%	2 14	.3%	0		0 .	1	2.6%	0		C	, ·	1	5.7%	1	7.4%	18	10.4%	3	27.0%	1	5.
2_5	to the business or organization at this location within the last 5 years? Something else	1=Selected	42	10.0% 33	11.5%	9	8.3%	0		6 7.9%	. :	3 9.6%	2	6.5%	2	22.2%	c	, ·	2	9.5%	2	14.8%	19	10.5%	2	18.7%	2	10.
	Q53_1. Have any of the following major retrofits been made to	<b>-</b>													9													
53_1	the business or organization at this location within the last 10 years? Building is less than 10 years old uss_z. mave any or the following major retroms been made	1=Selected	410 44	96.7% 292 11.0% 22		110 20	1 18.2%	-		'5 1 8 10.7%		2 1 2 7.2%	36 3	8.8%	-	1 24.3%	3	3 1 I 35.4%	20 2		12 0	1	184 22	12.7%	10 0	•	19 3	
53_2	to the business or organization at this location within the last 10 years? Roof insulation Cas area any or me nonowing major remons been made	1=Selected	56	13.3% 34	11.8%	19	17.0%	3 30	.0%	9 12.7%		4 13.2%	4	10.8%	2	17.1%	C	, ·	2	9.5%	2	18.0%	22	12.0%	3	27.0%	7	37.8
3_3	to the business or organization at this location within the last 10 years? Wall insulation Cas_4_ new any or me nonowing major remons been made	1=Selected	30	6.9% 22	7.6%	7	6.2%	1 7	.1%	5 7.1%		2 6.0%	3	8.3%	1	8.6%	C		1	4.8%	0		13	7.0%	3	27.0%	2	10.
34	to the business or organization at this location within the last 10	1=Selected	70	16.6% 50	17.4%	19	17.2%	1 7	.1% 1	6 21.6%		3 9.0%	8	22.5%	2	18.6%	2	2 64.6%	2	9.5%	6	50.8%	26	14.4%	3	29.0%	1	5
	to	1-00100104		10.070 00		10	11.270			21.07		0.070		22.070		10.070		01.070	-	0.070		00.070	20			20.070		
Q53_5	the business or organization at this location within the last 10 years? Something else	1=Selected	36	8.7% 26	9.3%	10	9.2%	0	• 1	0 14.1%	;	3 9.6%	2	5.7%	1	10.0%	C	) *	1	5.7%	1	9.0%	15	8.3%	0	*	2	10.
		Total	367	96.6% 256	; 1	103	1	8	1 6	i3 1	21	8 1	33	1	8	1	3	3 1	19	1	10	1	166	1	9	1	19	
		1=One year or less	11	2.8% 10	3.8%	1	1.0%	0		3 4.5%		1 3.4%	0		0		C	, ·	0		1	8.9%	4	2.3%	0		1	5
		2=Two years or less	28	7.4% 19	7.4%	8	7.6%	1 15	.7%	5 7.6%		5 17.8%	4	11.7%	1	9.5%	C		1	6.0%	1	10.7%	8	4.9%	0		1	7
		3=Three years or less	22	5.8% 10	3.8%	11	10.5%	1 7	.1%	4 6.7%		o •	3	10.1%	0		1	35.4%	2	11.0%	0		9	5.1%	1	12.5%	1	4
		4=Four years or less	16	4.3% 8	3.1%	7	6.6%	1 15	.7%	2 3.3%	. :	2 6.8%	1	3.4%	0		1	35.4%	1	6.0%	1	10.7%	6	3.6%	0		2	10
		5=Five years or less	86	22.7% 60	23.4%	23	22.7%	3 38	.6% 1	6 25.5%		7 24.6%	7	20.1%	1	13.5%	C	, .	5	26.0%	1	8.9%	39	23.9%	3	32.0%	7	38
		6=Six years or less	2	0.5% 1	0.4%	1	1.0%	0		0		o •	0		0		C		0		0		2	1.2%	0		0	
		7=Seven years or less	2	0.5% 2	0.8%	0		0		1 1.5%		o •	0		0		C	, .	1	5.0%	0		0		0		0	
		8=Eight years or less	5	1.3% 4	1.5%	1	1.0%	0		0		1 3.4%	1	3.4%	0		1	29.2%	1	5.0%	0		0		0		1	4
	Q54. What is your typical threshold for simple payback when	10=Ten years or less	11	2.9% 5	1.9%	6	5.6%	0		5 8.5%		o •	1	3.4%	1	9.5%	C		0		0		4	2.4%	0		0	
	you assess whether to implement energy- efficiency projects? The simple payback is the time required to recoup your	within project life	7	1.8% 5			2.0%	-		1 1.8%		-	1	2.8%	-		C	-	0		0		4	2.3%	0		0	
4	investment.	12=Don't know	387	46.5% 132 97.0% 273		43	42.1%	2 22		10 1	2	2 43.9%	15 34	45.1%	5	67.5%	0		8		11	60.7%	90 176	54.3%	10	55.6%	6	
		1=Yes	34	9.0% 7	2.5%	25	23.1%	2 22	.9%	3 4.9%	. (	• 0	1	2.7%	2		1	35.4%	3	17.1%	1	1 9.7%	18	1 10.9%	0	1	4	20.
5		2=No	353	88.0% 266	97.5%	81	76.9%	6 77	.1% 6	95.1%	2	9 1	33	97.3%	6	80.5%	2	2 64.6%	16	82.9%	10	90.3%	158	89.1%	10	1	15	