

# Air Quality, Climate and Recycling Survey 2017

Report of Results March 2017

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# **Executive Summary**

# **Survey Background and Methods**

The City of Fort Collins contracted with National Research Center, Inc. (NRC) to conduct a survey to assess residents' knowledge, attitudes and perceptions about air quality, climate and recycling. The survey also collected information on residents' awareness and participation in department programs.

The survey was administered by mail in January and February 2017 to 1,100 randomly selected households known to be located within the City and was received by 1,059 households. A total of 248 completed surveys were returned for a response rate of 23%.

Survey results were weighted so that housing tenure (rent or own), respondent age, sex and zip code of residence were represented in the proportions reflective of the entire adult population of the City of Fort Collins (as reported in the 2010 U.S. Census).

# **Key Findings by Topic Area**

#### **Program Awareness**

Awareness of environmental services programs varied widely, with Christmas tree recycling being the most well-known.

- Half or more respondents had heard of Christmas tree recycling (81%), the anti-idling signs, posters, or ads, (67%), radon testing and mitigation (66%), and leaf exchange programs (50%) as well as the climate action goals (54%). Fewer than half had heard of the lawn mower rebate program (37%), healthy homes indoor air quality assessments (47%) and zero interest loans for wood stoves/radon/mold (19%).
- More Fort Collins residents reported participating in Anti-Idling measures in 2017 (33%) than in 2011 (19%) or 2007 (1%); fewer had never heard of the Anti-Idling measures than in previous years (33% in 2017 versus 49% in 2011 and 85% in 2007). The proportion of residents who had participated in or heard of environmental programs other than Anti-Idling tended to remain stable over time.

# Utility bill inserts, City News and The Coloradan were the primary sources for air quality, climate or recycling program information.

- Residents were asked to choose all the sources from a list that they used to get information about City air quality, climate and recycling programs. In 2017, the source chosen by the most respondents was utility bill inserts/City News (70%). In past years fliers/brochures was the most often-cited source (65% in 2011), but utility bill inserts/City News was not included as a choice in 2011. It may be that, in the past, utility bill inserts/City News were thought of as fliers/brochures.
- Over half (55%) had used the *The Coloradoan* as an information source and about a third mentioned word of mouth or the City of Fort Collins website (fcgov.com) as sources.
- Fewer residents in 2017 had seen information about those programs through schools/colleges (21%) than in 2011 (44%) or 2007 (43%), but a greater proportion (55%) had seen such information in *The Coloradoan* than in previous years (16% in 2011 and 20% in 2007).

### Air Quality

Ratings for air quality were generally good, and fewer than half had experienced poor air quality.

- About 8 in 10 survey respondents gave excellent or good ratings to the quality of both indoor and outdoor air in Fort Collins. The rating for outdoor air was similar to ratings seen in earlier years, while this was the first year the survey included a question about indoor air.
- About 4 in 10 survey respondents reported experiencing unacceptable outdoor air quality in Fort Collins (a proportion similar to previous years), and 14% had experienced unacceptable indoor air quality in their homes (not asked in previous years).
- In all three survey years (2007, 2011 and 2017), 26% of residents reported that someone in their household experienced a respiratory ailment such as asthma, emphysema or heart disease. Of those who had a respiratory ailment in 2017, 85% mentioned asthma, 11% heart disease, 1% emphysema and 8% other respiratory ailments.

#### Residents valued good air quality and wanted the City to help maintain it.

- When asked whether they agreed or disagreed with a series of statements related to the importance of air quality, 9 in 10 or more residents agreed that air quality was important for their quality of life (98%), that the City should work to improve air quality (89%) and that they were concerned about the effects of air quality on sensitive populations (89%) and on the environment (89%).
- Residents were more likely to disagree that mountain views were obscured by air pollution in Fort Collins (65% somewhat or strongly disagree), that air pollution hurt the local economy (55%) and that air pollution in the city made the air smell bad (51%).
- About 6 in 10 residents thought that more could be done to maintain or improve the outdoor air quality in Fort Collins. About 1 in 10 thought that no more could be done, and about one-quarter said they did not know.
- Residents were asked to rate their level of concern with vehicle emissions, idling, "rolling coal", wood smoke from indoor fireplaces or outdoor burning, second-hand smoke, ground-level ozone, dust, industrial emissions or other pollutants. At least 7 in 10 residents rated all of the pollutants listed as very or somewhat serious, with the exception of indoor or outdoor wood smoke (only about 4 in 10 thought these were a serious concern).

#### Residents supported the City's programs to improve air quality.

- When asked about their level of agreement with a series of statements related to City air quality programs and plans, at least 8 in 10 residents strongly or somewhat agreed that programs should do more to reduce outdoor pollution, promote the use of alternative fuel vehicles and promote biking, walking or use of transit. About one-third agreed that the City should prohibit outdoor wood burning.
- Residents were asked in an open-ended question to write in their own words what, if anything, they thought the City should do to have a greater impact on the air quality in the community. While about 6 in 10 did not answer the question, those that did tended to make a comment related to tightening regulations on idling/vehicle emissions/rolling coal, increasing or improving public transit, or investing in/incentivizing alternative fuel vehicles or renewable energy sources. About 6% of survey respondents indicated that the City should do nothing, that there were already too many ordinances or that they did not believe in climate change.

# Most residents had taken steps to prepare for fire or carbon monoxide issues, but many had not checked for radon in their home.

- When asked if their homes had ever been tested for radon, about 4 in 10 residents said yes, 3 in 10 said no and another 3 in 10 did not know. About one-quarter of residents had radon mitigation systems in their homes, nearly half did not and 3 in 10 did not know if they had a radon mitigation system.
- A majority of survey respondents indicated that they had a carbon monoxide alarm (83%) or fire alarm (81%) in their homes, that their family had a fire escape plan (62%) and that their home did not have a mold problem (83%).

# About 2 in 10 households had wood burning appliances and very few households burned coal.

- In 2017, 22% of residents said they had a wood burning appliance (fireplace or stove), 53% had a gas burning appliance (fireplace or stove) and 45% had electric heat and 13% did not choose any of the indoor appliances on the list.
- Wood-burning appliances tended to be older than those that burned gas. Of those residents who owned one of those appliances, about 1 in 10 said that their wood burning appliance was newer than 1988, about three-quarters said that their gas burning appliance was newer than 1988 and about half said that their electric heat was newer than 1988. Most residents used each of those appliances for less than 25% of their heating, with the exception of electric heat (79% used electric heat for 25% or more of their heating).
- Few residents had coal burning appliances (3%) but they were less likely to clean them than residents who had other types of heating appliances. Of those with each appliance type, 91% with coal appliances cleaned them every four years or less often, compared to 54% who had pellet appliances, 40% who had wood burning and about 30% who had gas and electric appliances.
- Of the 22% of residents with a wood-burning appliance, 30% reported that in a typical year they did not burn any wood for heat while 34% burned a cord or more.

#### About one-third of residents had outdoor recreational cooking/heating appliances.

• When asked which of a list of outdoor recreational cooking or heating appliances respondents had at home, 68% did not mark any on the list. The most popular was a wood burning fire pit or chiminea (17% of respondents), followed by a gas (8%) or charcoal (5%) smoker. Residents who did own outdoor appliances tended to use them 10 days or less per year.

#### Cars idled longest at train crossings and in drive-thru lanes.

• Generally, residents were more likely to not idle their cars or to idle for less than a minute while warming up their cars in cold weather (64%) or waiting to pick someone up (70%), and to idle for longer periods while waiting for a train to pass (50% idled two minutes or more) or waiting in a drive-thru line (55%).

# Respondents from south-east Fort Collins were less concerned about air quality and less interested in making efforts to improve it.

• When asked to rate their level of concern about specific air pollutants, respondents from zip code 80528 were generally less concerned than those in other zip codes (see Table 54 on page 41) and only 54% said they thought more could be done to maintain or improve air quality, compared to 86% of Fort Collins residents overall.

#### Climate

#### Residents support City action on climate change.

- Almost all residents strongly or somewhat agreed that they knew what small changes they could make in their lives to affect climate change (88%), that the City should offer voluntary programs to help citizens and business increase energy efficiency (91%) and that the City should lead by example by cutting its own emissions to help achieve community goals (92%).
- Seven in 10 or more also agreed that climate change was an urgent issue, that they had witnessed effects of climate change and that the City should invest in programs and create policies to address climate change.
- Respondents were asked to write in their own words what, if anything, the City should do to have a greater impact on the issue of climate change. About two-thirds of residents did not write in a comment; of those who did, the most frequently-mentioned recommendations were to invest in or incentivize environmentally friendly general practices/behaviors, to raise awareness or provide education to residents or to increase/improve public transit, encourage alternative transportation or slow development.

#### Residents from south-east Fort Collins were less supportive of action on climate change.

- Residents who lived in zip code 80528 were less likely than other residents to agree that climate change is an urgent issue needing immediate action (40% compared to 80% city-wide) and that the City should invest in programs and create policies to address climate change (42% compared to 80% city-wide).
- A majority in 80528 supported voluntary programs to help citizens and business increase energy efficiency and climate resiliency (69% compared to 91% city-wide) but less than half of residents in 80528 supported City enacted ordinances and regulations to increase energy efficiency and climate resiliency (38% compared to 72% city-wide).
- Like others in the City, those in 80528 would be more likely to help achieve the community's climate goals if there were clear cost savings for their household, if there was a clear economic benefit for the community or if there was a clear social or health benefit (see Table 63 on page 45). However, those in 80528 would be less motivated than others in the City to help achieve the community's climate goals if they knew Fort Collins' actions were inspiring other communities (51% would be more likely to help compared to 83% city-wide).

#### Recycling

Almost all residents recycled but few composted.

- When asked about their recycling habits, almost all residents (88%) used the curbside recycling program.
- Three-quarters disposed of food scraps in a kitchen sink garbage disposal at least once a month.
- Services to compost yard trimmings or food scraps were less accessible and/or accessed less frequently.
  - Recycling yard trimmings using their hauler's curbside collection service was not available for 26%, not used by 36% and not known about by 13% (75% in total).
  - Recycling yard trimmings or food scraps in backyard compost was not available for 29%, not used by 41% and not known about by 10% (80% in total).
  - Recycling yard trimmings or food scraps at a drop off site was not available for 14%, not used by 47% and not known about by 21% (82% in total).
- In their own words, residents wrote in comments about what parts, if any, of the City recycling system didn't work for them or needed to be changed. About two-thirds of respondents skipped the question, and of those who responded, most made a comment related to larger or more recycling bins, locations or more frequent service or more education or enforcement being needed. About 2 in 10 thought that no changes were needed or wrote a positive comment.

# Residents from south-east Fort Collins recycled, but did not support programs that required people to recycle.

- Residents who lived in zip code 80528 used curbside recycling and had similar levels, as those in other zip codes, for expanding it.
- However, those in 80528 were less likely than other residents to agree that restaurants should be required to have compost collection (35% agreed compared to 73% city-wide) or that it should be unlawful for businesses (32% compared to 69% city-wide), residents of multi-family apartments (32% compared to 66% city-wide) or residents of single-family homes (26% compared to 64% city-wide) to deliberately throw recyclables in the trash.

## Food Security

Most residents supported local agriculture, both in action and in theory.

- About 6 in 10 survey respondents indicated that they had visited Fort Collins farmers markets or Community Supported Agriculture produce stands 1-6 times per year, about 1 in 10 visited them 7-12 times a year and another 1 in 10 visited them 13-24 times a year. About 2 in 10 residents indicated that they never visit farmers markets or CSA stands.
- Most residents strongly or somewhat agreed that it is important for the community to have access to local food (97%) and that the City should offer voluntary programs to help increase access to local food (85%). About 6 in 10 agreed that the City should enact ordinances and regulations to increase access to local food.
- About 6 in 10 survey respondents thought that the City should play a role in ensuring the availability of locally grown food; about 2 in 10 thought that the City should not play a role, and another 2 in 10 did not know.

# While residents in the 80528 zip code thought local food production was important, they were less supportive than others of having City programs to support it.

• About 9 in 10 respondents from the 80528 zip code (97% city-wide), agreed that it is important for the community to have access to local food, only 37% thought the City should play a role in ensuring the availability of locally grown food (compared to 74% city-wide).

# Appendix A: Responses to All Survey Questions by Year

The following tables display the weighted responses of those responding to the 2017 Air Quality, Climate and Recycling Survey, including frequency of responses and the number of respondents as well as comparisons by year. "N/A" appears for all questions that were not asked in previous years or for questions in which the wording was too different between years to make a comparison.

When comparing results between subgroups the margin of error (or confidence interval) varies by which groups are compared and how many respondents are in each subgroup.

- There were 248 respondents in 2017 and 439 in 2011; the margin of error for comparison between these two years is  $\pm 8\%$ .
- There were 248 respondents in 2017 and 547 in 2007; the margin of error for comparison between these two years is  $\pm 8\%$ .
- There were 439 respondents in 2011 and 547 in 2007; the margin of error for comparison between these two years is  $\pm 6\%$ .

Differences in responses between any two groups must be greater than the "margin of error for comparison" in order to be considered a statistically significant difference at the .95 confidence level.

The City offers a variety of specific programs and events that address air quality and		20	17	20	11	20	07
environmental issues. Do you recall hearing about, or participating	environmental issues. Do you recall hearing about, or participating in, any of the following?		Percent	Number	Percent	Number	Percent
	Participated	80	33%	83	19%	5	1%
Anti-Idling signs, posters, or ads (e.g., signs at train stops or schools)*	Heard of it	82	34%	144	32%	81	14%
	Never heard of it	81	33%	217	49%	475	85%
	Total	243	100%	444	100%	562	100%
	Participated	14	6%	17	4%	7	1%
Louis Moura Dakata Drazan	Heard of it	76	31%	153	34%	83	15%
Lawn Mower Rebate Program	Never heard of it	155	63%	278	62%	477	84%
	Total	244	100%	447	100%	567	100%
	Participated	46	19%	73	16%	N/A	N/A
Dedage testing and withouting	Heard of it	116	47%	204	45%	N/A	N/A
Radon testing and mitigation	Never heard of it	82	34%	172	38%	N/A	N/A
	Total	243	100%	449	100%	N/A	N/A

#### Table 1: Question 1

The City offers a variety of specific programs and events that address	s air quality and	2017		20	11	20	07
environmental issues. Do you recall hearing about, or participating in		Number	Percent	Number	Percent	Number	Percent
	Participated	2	1%	1	0%	101	18%
Zara Interact Leans for wood staves (raden /mold	Heard of it	44	18%	63	14%	169	30%
Zero Interest Loans for wood stoves/radon/mold	Never heard of it	198	81%	380	86%	298	52%
	Total	244	100%	445	100%	568	100%
	Participated	11	5%	N/A	N/A	N/A	N/A
Lealthy Llamas Indeer Air Quality assessments	Heard of it	102	42%	N/A	N/A	N/A	N/A
Healthy Homes Indoor Air Quality assessments	Never heard of it	129	53%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Participated	16	7%	N/A	N/A	N/A	N/A
Climate Action cools	Heard of it	115	48%	N/A	N/A	N/A	N/A
Climate Action goals	Never heard of it	109	46%	N/A	N/A	N/A	N/A
	Total	240	100%	N/A	N/A	N/A	N/A
	Participated	58	24%	119	27%	140	25%
Christman Tran Desurling Drogram	Heard of it	139	58%	243	54%	322	57%
Christmas Tree Recycling Program	Never heard of it	45	18%	85	19%	107	19%
	Total	242	100%	447	100%	569	100%
	Participated	20	8%	26	6%	54	10%
Loof Evolution Drogram	Heard of it	101	42%	134	30%	253	45%
Leaf Exchange Program	Never heard of it	120	50%	286	64%	258	46%
	Total	241	100%	446	100%	565	100%
	Participated	64	26%	N/A	N/A	N/A	N/A
Timbouling Depugling Conton	Heard of it	119	48%	N/A	N/A	N/A	N/A
Timberline Recycling Center	Never heard of it	64	26%	N/A	N/A	N/A	N/A
	Total	247	100%	N/A	N/A	N/A	N/A

\*In 2011 the question wording was "Breathe Easy" anti-idling school signs, posters, ads or articles

Please check all the places you have seen information about Fort Collins' air quality, climate	20	17	20	11	20	07
or recycling programs. (Check all that apply)	Number	Percent	Number	Percent	Number	Percent
Utility bill insert/City News	158	70%	N/A	N/A	N/A	N/A
The Coloradoan	125	55%	53	16%	79	20%
Word of mouth	81	36%	N/A	N/A	N/A	N/A
City of Fort Collins website (fcgov.com)	80	35%	N/A	N/A	N/A	N/A
Fliers/brochures	78	34%	211	65%	282	70%
Social media	53	24%	N/A	N/A	N/A	N/A
Schools/colleges	48	21%	143	44%	170	43%
Radio	40	18%	57	17%	91	23%
Program or event*	29	13%	94	29%	115	29%
E-newsletters/email	20	9%	27	8%	34	8%
TV	20	9%	8	3%	N/A	N/A
Other (please specify)	18	8%	96	29%	N/A	N/A
Total	226	100%	325	100%	400	100%

#### Table 2: Question 2

\*In 2011 the question wording was "City Air quality program or event"; total may exceed 100% as respondents could select more than one option.

	10	able 5. Quest	1011 3				
		20:	17	201	11	200	)7
Overall, how would you rate the following?		Number	Percent	Number	Percent	Number	Percent
	Excellent	57	23%	112	25%	82	15%
	Good	149	60%	289	64%	365	64%
Quality of outdoor air in Fort Collins	Fair	36	15%	36	8%	94	17%
Quality of outdoor air in Fort Collins	Poor	2	1%	5	1%	19	3%
	Don't know	2	1%	9	2%	6	1%
	Total	246	100%	450	100%	566	100%
	Excellent	51	21%	N/A	N/A	N/A	N/A
	Good	142	58%	N/A	N/A	N/A	N/A
Quality of indeer sin in Fast Calling*	Fair	30	12%	N/A	N/A	N/A	N/A
Quality of indoor air in Fort Collins*	Poor	4	1%	N/A	N/A	N/A	N/A
	Don't know	18	7%	N/A	N/A	N/A	N/A
	Total	245	100%	N/A	N/A	N/A	N/A

Table 3: Question 3

\*New question in 2017

#### Table 4: Question 4

	2017	2011	2007
Experienced a respiratory ailment	26%	26%	26%

In 2011 the question wording was "other respiratory ailments" and an option for "none of these" was provided.

#### Table 5: Question 4 (2017 only)\*

Does anyone in your household experience the following respiratory ailments?	Number	Percent
Asthma	55	85%
Emphysema	1	1%
Heart disease	7	11%
Other	5	8%
Total	65	100%

\*Of those with a respiratory ailment

	Tuble 0. Question 5	20	17	20	11	20	07
		Number	Percent	Number	Percent	Number	Percent
	Strongly agree	199	81%	N/A	N/A	N/A	N/A
	Somewhat agree	39	16%	N/A	N/A	N/A	N/A
Air quality is important for my overall quality of life	Somewhat disagree	5	2%	N/A	N/A	N/A	N/A
Air quality is important for my overall quality of life The City of Fort Collins should work to improve air quality am concerned about the effects of outdoor air quality on my health am concerned about the effects of indoor air quality on my healt! am concerned about the effects of air quality on sensitive	Strongly disagree	1	0%	N/A	N/A	N/A	N/A
	Total	244	100%	N/A	N/A	N/A	N/A
	Strongly agree	117	48%	N/A	N/A	N/A	N/A
	Somewhat agree	92	38%	N/A	N/A	N/A	N/A
The City of Fort Collins should work to improve air suclim	Somewhat disagree	17	7%	N/A	N/A	N/A	N/A
The City of Fort Collins should work to improve all quality	Strongly disagree	9	4%	N/A	N/A	N/A	N/A
	Don't know	8	3%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A
	Strongly agree	88	36%	N/A	N/A	N/A	N/A
	Somewhat agree	98	41%	N/A	N/A	N/A	N/A
I am concerned about the effects of outdoor air quality on my	Somewhat disagree	33	13%	N/A	N/A	N/A	N/A
health	Strongly disagree	16	7%	N/A	N/A	N/A	N/A
	Don't know	8	3%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Strongly agree	87	36%	N/A	N/A	N/A	N/A
	Somewhat agree	99	41%	N/A	N/A	N/A	N/A
I am concerned about the offects of indeer air quality on my health	Somewhat disagree	28	12%	N/A	N/A	N/A	N/A
Tam concerned about the effects of indoor air quality on my health	Strongly disagree	16	7%	N/A	N/A	N/A	N/A
	Don't know	11	5%	N/A	N/A	N/A	N/A
	Total	241	100%	N/A	N/A	N/A	N/A
	Strongly agree	132	54%	N/A	N/A	N/A	N/A
	Somewhat agree	80	33%	N/A	N/A	N/A	N/A
I am concerned about the effects of air quality on sensitive	Somewhat disagree	15	6%	N/A	N/A	N/A	N/A
populations, such as children and the elderly	Strongly disagree	11	5%	N/A	N/A	N/A	N/A
	Don't know	5	2%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A

## Table 6: Question 5

	2017		17	20	11	2007	
How strongly do you agree or disagree with each of the following	ig statements?	Number	Percent	Number	Percent	Number	Percent
	Strongly agree	142	59%	N/A	N/A	N/A	N/A
	Somewhat agree	72	30%	N/A	N/A	N/A	N/A
I am concerned about the effects of air quality on the	Somewhat disagree	17	7%	N/A	N/A	N/A	N/A
environment	Strongly disagree	10	4%	N/A	N/A	N/A	N/A
	Don't know	1	0%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Strongly agree	28	12%	39	9%	67	12%
	Somewhat agree	54	22%	105	24%	172	31%
Mountain views are obscured by the air pollution in Fort	Somewhat disagree	97	40%	147	33%	183	32%
Collins	Strongly disagree	57	23%	132	29%	108	19%
	Don't know	7	3%	24	5%	34	6%
	Total	243	100%	448	100%	564	100%
	Strongly agree	30	13%	37	8%	65	12%
	Somewhat agree	55	23%	127	28%	178	32%
Air collution in Fort Colling huntethe local company.	Somewhat disagree	67	28%	113	25%	149	26%
Air pollution in Fort Collins hurts the local economy	Strongly disagree	38	16%	86	19%	59	11%
	Don't know	52	21%	85	19%	111	20%
	Total	242	100%	447	100%	562	100%
	Strongly agree	30	12%	52	12%	83	15%
	Somewhat agree	71	29%	136	30%	189	33%
Air religion in Fact Calling realize the singer all had	Somewhat disagree	56	23%	107	24%	187	33%
Air pollution in Fort Collins makes the air smell bad	Strongly disagree	50	21%	113	25%	83	14%
	Don't know	35	14%	40	9%	30	5%
	Total	242	100%	448	100%	572	100%
	Strongly agree	82	34%	184	41%	319	56%
	Somewhat agree	110	45%	224	50%	220	38%
I feel a personal obligation to help improve the air quality in	Somewhat disagree	20	8%	27	6%	15	3%
Fort Collins	Strongly disagree	22	9%	5	1%	8	1%
	Don't know	9	4%	10	2%	9	2%
	Total	242	100%	450	100%	573	100%

		2017		2011		20	07
How strongly do you agree or disagree with each of the following statements?		Number	Percent	Number	Percent	Number	Percent
	Strongly agree	59	24%	145	32%	219	38%
	Somewhat agree	126	52%	198	44%	253	44%
I know what small changes I can make to help improve air	Somewhat disagree	29	12%	61	14%	50	9%
quality	Strongly disagree	9	4%	10	2%	18	3%
	Don't know	19	8%	36	8%	32	6%
	Total	242	100%	449	100%	572	100%

### Table 7: Question 6

		2017		2011		2007	
Please circle one number for each question below.		Number	Percent	Number	Percent	Number	Percent
	Yes	94	39%	149	34%	170	34%
Have you ever experienced unacceptable outdoor air quality in Fort Collins?	No	137	57%	295	66%	336	66%
	Don't know	11	5%	N/A	N/A	N/A	N/A
	Total	242	100%	444	100%	505	100%
	Yes	34	14%	N/A	N/A	N/A	N/A
Lave you ever experienced unaccentable indeer air quality in your heme?*	No	173	72%	N/A	N/A	N/A	N/A
Have you ever experienced unacceptable indoor air quality in your home?*	Don't know	33	14%	N/A	N/A	N/A	N/A
	Total	240	100%	N/A	N/A	N/A	N/A

\*New question in 2017

# Table 8: Question 7\*

Do you think more can be done to maintain or improve the outdoor air quality in Fort Collins? (Check one)	Number	Percent
Yes	150	62%
No	25	11%
Don't know	66	27%
Total	241	100%

\*New question in 2017

	20	17	20:	11	200	07	
Air pollution in Fort Collins affects me because it		Number	Percent	Number	Percent	Number	Percent
	Strongly agree	57	24%	63	14%	92	17%
	Somewhat agree	94	39%	130	29%	135	24%
	Somewhat disagree	36	15%	102	23%	127	23%
Triggers allergies/respiratory problems, eye/nose irritation	Strongly disagree	31	13%	112	25%	152	27%
-	Don't know	22	9%	43	10%	48	9%
	Total	240	100%	451	100%	555	100%
	Strongly agree	44	19%	56	12%	104	19%
	Somewhat agree	98	41%	93	21%	141	26%
Causes long-term respiratory problems	Somewhat disagree	44	19%	125	28%	119	22%
Causes long-term respiratory problems	Strongly disagree	31	13%	92	21%	92	17%
	Don't know	20	9%	84	19%	96	17%
	Total	237	100%	450	100%	551	100%
	Strongly agree	43	18%	49	11%	62	11%
	Somewhat agree	78	33%	94	21%	91	17%
Causes health problems for family members and/or pets	Somewhat disagree	55	23%	124	28%	179	33%
Causes nearth problems for family members and/or pers	Strongly disagree	35	15%	123	27%	152	28%
	Don't know	26	11%	62	14%	63	12%
	Total	238	100%	451	100%	547	100%
	Strongly agree	40	17%	53	12%	88	16%
	Somewhat agree	71	30%	135	30%	183	33%
Obscures mountain views	Somewhat disagree	70	29%	132	29%	163	30%
Obscures mountain views	Strongly disagree	45	19%	105	23%	75	14%
	Don't know	14	6%	24	5%	40	7%
	Total	241	100%	449	100%	550	100%
	Strongly agree	21	9%	38	8%	53	10%
	Somewhat agree	102	42%	129	29%	171	31%
Affects my indoor air quality	Somewhat disagree	50	21%	127	28%	148	27%
	Strongly disagree	35	15%	97	22%	102	18%
	Don't know	33	14%	59	13%	82	15%
	Total	241	100%	451	100%	555	100%

#### Table 9: Question 8

Please rate your level of concern for the air pollutants listed as they relate to you and your		20	17	2011		20	07
family's day-to-day health and environment:		Number	Percent	Number	Percent	Number	Percent
	Very serious	91	37%	N/A	N/A	N/A	N/A
	Somewhat serious	106	44%	N/A	N/A	N/A	N/A
Gasoline/diesel vehicle emissions from driving	Not serious	41	17%	N/A	N/A	N/A	N/A
	Don't know	5	2%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A
	Very serious	85	35%	N/A	N/A	N/A	N/A
	Somewhat serious	103	42%	N/A	N/A	N/A	N/A
Vehicle idling	Not serious	45	19%	N/A	N/A	N/A	N/A
	Don't know	10	4%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A
	Very serious	136	57%	N/A	N/A	N/A	N/A
	Somewhat serious	39	17%	N/A	N/A	N/A	N/A
"Rolling coal" from modified vehicle tailpipes	Not serious	36	15%	N/A	N/A	N/A	N/A
	Don't know	26	11%	N/A	N/A	N/A	N/A
	Total	237	100%	N/A	N/A	N/A	N/A
	Very serious	16	7%	55	12%	76	13%
	Somewhat serious	79	33%	155	35%	203	36%
Wood smoke from indoor fireplaces or stoves*	Not serious	133	55%	192	43%	244	43%
	Don't know	14	6%	42	10%	46	8%
	Total	242	100%	444	100%	568	100%
	Very serious	25	10%	N/A	N/A	N/A	N/A
	Somewhat serious	72	30%	N/A	N/A	N/A	N/A
Wood smoke from residential outdoor burning	Not serious	127	52%	N/A	N/A	N/A	N/A
	Don't know	18	7%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Very serious	110	45%	N/A	N/A	N/A	N/A
	Somewhat serious	70	29%	N/A	N/A	N/A	N/A
Second-hand smoke (e.g., tobacco/nicotine products)	Not serious	59	25%	N/A	N/A	N/A	N/A
	Don't know	3	1%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A

### Table 10: Question 9

Please rate your level of concern for the air pollutants listed as they relate to you and your		2017		2011		2007	
family's day-to-day health and environment:		Number	Percent	Number	Percent	Number	Percent
	Very serious	74	30%	90	20%	189	33%
	Somewhat serious	63	26%	163	37%	171	30%
Ground-level ozone	Not serious	43	18%	82	19%	104	18%
	Don't know	62	26%	108	24%	102	18%
	Total	242	100%	444	100%	566	100%
	Very serious	49	20%	N/A	N/A	N/A	N/A
	Somewhat serious	111	46%	N/A	N/A	N/A	N/A
Dust or particles	Not serious	67	28%	N/A	N/A	N/A	N/A
	Don't know	15	6%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Very serious	94	39%	N/A	N/A	N/A	N/A
	Somewhat serious	79	33%	N/A	N/A	N/A	N/A
Industrial Emissions	Not serious	45	19%	N/A	N/A	N/A	N/A
	Don't know	23	9%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Very serious	20	42%	N/A	N/A	N/A	N/A
	Somewhat serious	8	16%	N/A	N/A	N/A	N/A
Other	Not serious	6	13%	N/A	N/A	N/A	N/A
	Don't know	14	28%	N/A	N/A	N/A	N/A
	Total	48	100%	N/A	N/A	N/A	N/A

\*In 2011 the question wording was "wood smoke from fireplaces, wood stoves"

		20	17	20	11	20	07
Please circle one number for each question below.		Number	Percent	Number	Percent	Number	Percent
	Yes	99	41%	173	39%	194	34%
Has your home ever been tested for radon?	No	71	29%	104	23%	137	24%
	Don't know	73	30%	170	38%	237	42%
	Total	243	100%	447	100%	568	100%
	Yes	62	26%	103	23%	76	14%
Deas your home have a raden mitigation system?	No	110	45%	211	47%	317	57%
Does your home have a radon mitigation system?	Don't know	71	29%	133	30%	167	30%
	Total	243	100%	446	100%	560	100%
	Yes	202	83%	N/A	N/A	N/A	N/A
De veu have a carbon monovide alarma	No	26	11%	N/A	N/A	N/A	N/A
Do you have a carbon monoxide alarm?	Don't know	16	6%	N/A	N/A	N/A	N/A
	Total	243	100%	N/A	N/A	N/A	N/A
	Yes	195	81%	N/A	N/A	N/A	N/A
Does your home have a fire/smoke alarm that has been replaced in the	No	29	12%	N/A	N/A	N/A	N/A
past 5 years?	Don't know	18	7%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A
	Yes	149	62%	N/A	N/A	N/A	N/A
Does your family have a fire escape plan?	No	82	34%	N/A	N/A	N/A	N/A
Does your failing have a fire escape plan!	Don't know	8	3%	N/A	N/A	N/A	N/A
	Total	239	100%	N/A	N/A	N/A	N/A
	Yes	3	1%	N/A	N/A	N/A	N/A
Does your home have a mold problem?	No	200	83%	N/A	N/A	N/A	N/A
Does your nome have a molu problem:	Don't know	39	16%	N/A	N/A	N/A	N/A
	Total	242	100%	N/A	N/A	N/A	N/A

# Table 11: Question 10

## Table 12: Question 11a\*

In the table below, please tell us about each home heating appliance that you have.		
My home has:	Number	Percent
Wood burning appliance (fireplace or stove)	55	22%
Pellet burning appliance (fireplace or stove)	7	3%
Gas burning appliance fireplace or stove)	132	53%
Coal-burning appliance (fireplace or stove)	7	3%
Electric heat	112	45%
Other	11	5%
No indoor appliances chosen	32	13%
Total	248	100%

\*Comparisons to previous years have not been made for this question due to significant wording changes between years.

#### Table 13: Question 11b - % of Units

In the table below, please tell us about each home heating appliance that you have.		
It is newer than 1988:	Number	Percent
Wood burning appliance (fireplace or stove)	7	13%
Pellet burning appliance (fireplace or stove)	7	100%
Gas burning appliance (fireplace or stove)	97	73%
Coal-burning appliance (fireplace or stove)	7	100%
Electric heat	58	51%
Other	8	71%

\*Comparisons to previous years have not been made for this question due to significant wording changes between years. These percentages reflect only the respondents who indicated that their home had that type of appliance in the previous question.

Percentage of your heating		Number	Percent
	0% (none)	23	47%
	Less than 25%	24	50%
Wood burning appliance (fireplace or stove)	25%-50%	1	2%
	More than 50%	0	1%
	Total	49	100%
	0% (none)	4	54%
	Less than 25%	3	46%
Pellet burning appliance (fireplace or stove)	25%-50%	0	0%
	More than 50%	0	0%
	Total	7	100%
Gas burning appliance (fireplace or stove)	0% (none)	39	32%
	Less than 25%	35	29%
	25%-50%	5	4%
	More than 50%	44	36%
	Total	123	100%
	0% (none)	6	91%
	Less than 25%	0	0%
Coal-burning appliance (fireplace or stove)	25%-50%	0	0%
	More than 50%	1	9%
	Total	7	100%
	0% (none)	11	11%
	Less than 25%	10	10%
Electric heat	25%-50%	16	16%
	More than 50%	60	63%
	Total	96	100%
	0% (none)	1	12%
	Less than 25%	3	30%
Other	25%-50%	0	0%
	More than 50%	5	58%
	Total	9	100%

#### Table 14: Question 11c

\*Comparisons to previous years have not been made for this question due to significant wording changes between years.

How often checked or cleaned?		Number	Percent
	At least once a year	22	48%
Mand huming angligges (finanlang ar store)	Every 2 or 3 years	6	12%
Wood burning appliance (fireplace or stove)	Never; or more than every 3 years	18	40%
	Total	46	100%
	At least once a year	3	46%
Dellet huming angligges (finanlags on store)	Every 2 or 3 years	N/A	N/A
Pellet burning appliance (fireplace or stove)	Never; or more than every 3 years	4	54%
	Total	7	100%
Gas burning appliance (fireplace or stove)	At least once a year	53	45%
	Every 2 or 3 years	31	27%
	Never; or more than every 3 years	34	29%
	Total	119	100%
	At least once a year	1	9%
Carl huming appliance (finanlass or store)	Every 2 or 3 years	N/A	N/A
Coal-burning appliance (fireplace or stove)	Never; or more than every 3 years	6	91%
	Total	7	100%
	At least once a year	34	38%
	Every 2 or 3 years	26	29%
Electric heat	Never; or more than every 3 years	30	33%
	Total	90	100%
	At least once a year	3	52%
Other	Every 2 or 3 years	1	26%
Other	Never; or more than every 3 years	1	22%
	Total	5	100%

#### Table 15: Question 11d

\*Comparisons to previous years have not been made for this question due to significant wording changes between years.

#### Table 16: Question 12

If you use a wood burning fireplace or stove for heat, how much wood do you typically burn in a year? (Note: A cord is a stack 4 feet		
wide by 4 feet high by 8 feet long.)	Number	Percent
None - did not use	15	30%
Less than ¼ of a cord	9	18%
¼ to ½ a cord	8	17%
1 to 2 cords	10	21%
½ to 1 cord	6	11%
2 to 3 cords	1	2%
More than 3 cords	N/A	N/A
Total	49	100%

\*Comparisons to previous years have not been made for this question due to significant wording changes between years. These percentages reflect only the respondents who indicated that their home had a wood burning appliance in the previous question.

#### Table 17: Question 13a\*

Please tell us if you have any of the following outdoor appliances and, if so, about how many days you use them in an average year:		
(a) My home has:	Number	Percent
Wood burning fire pit/chiminea	41	17%
Gas burning fire pit	8	3%
Wood burning smoker	6	2%
Gas burning smoker	19	8%
Electric smoker	7	3%
Charcoal smoker	13	5%
No outdoor appliances chosen	169	68%
Total	248	100%
*Now question in 2017		

\*New question in 2017

## Table 18: Question 13b\*

Please tell us if you have any of the following outdoor appliances and, if so, about how		0-10 days		11-20 days		days
many days you use them in an average year:						
(b) If have, approximate number of days used in a year:	Number	Percent	Number	Percent	Number	Percent
Wood burning fire pit/chiminea	29	71%	11	27%	1	2%
Gas burning fire pit	5	65%	2	28%	1	7%
Wood burning smoker	2	33%	3	51%	1	16%
Gas burning smoker	17	97%	0	0%	1	3%
Electric smoker	4	60%	2	29%	1	12%
Charcoal smoker	6	51%	5	36%	2	13%

\*New question in 2017

## Table 19: Question 14\*

How long do you typically idle your car when	Never/ N/A		<1 minute		2-5 minutes		6-10 minutes		>10 minutes	
you	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Warm up your car in cold weather	76	32%	76	32%	65	27%	9	4%	11	5%
Are stopped while waiting for a train to pass	37	15%	83	35%	99	42%	12	5%	6	2%
Are waiting in a drive-thru line	43	18%	64	27%	117	49%	14	6%	0	0%
Are waiting to pick someone up (e.g., school										
pick-up)	113	48%	54	23%	62	26%	8	3%	0	0%

\*New question in 2017

## Table 20: Question 15

		20	17	20	11	20	07
To help improve air quality in Fort Collins, City air quality progra	ms and plans should:	Number	Percent	Number	Percent	Number	Percent
	Strongly agree	60	26%	59	13%	72	13%
	Somewhat agree	94	40%	172	38%	Percent Number 13% 72	36%
Do more to reduce indeer air pollution	Somewhat disagree	26	11%	95	21%		26%
Do more to reduce indoor air pollution	Strongly disagree	22	9%	53	12%		12%
	Don't know	34	15%	70	16%	75	13%
	Total	237	100%	449	100%	13%     72       38%     207       21%     147       12%     66       16%     75       00%     567       37%     253       11%     269       8%     24	100%
	Strongly agree	116	49%	165	37%	253	45%
Do more to reduce outdoor air pollution	Somewhat agree	85	36%	182	41%	269	47%
	Somewhat disagree	16	7%	38	8%	24	4%
	Strongly disagree	14	6%	23	5%	72 207 147 66 75 567 253 269 24	3%

		20	17	20	11	200	)7																																																																																																																																													
To help improve air quality in Fort Collins, City air quality progr	ams and plans should:	Number	Percent	Number	Percent	Number	Percent																																																																																																																																													
	Don't know	6	3%	40	9%	7	1%																																																																																																																																													
	Total	237	100%	449	100%	568	100%																																																																																																																																													
	Strongly agree	114	48%	193	43%	343	61%																																																																																																																																													
	Somewhat agree	73	31%	149	33%	150	27%																																																																																																																																													
Dramata the use of alternative fuel ushields	Somewhat disagree	22	9%	59	13%	48	9%																																																																																																																																													
Promote the use of alternative fuel vehicles	Strongly disagree	18	7%	28	6%	7	1%																																																																																																																																													
elp improve air quality in Fort Collins, City air quality progra note the use of alternative fuel vehicles st in electric vehicle charging stations <sup>1</sup> ibit wood-burning on high-pollution days	Don't know	9	4%	17	4%	15	3%																																																																																																																																													
	Total	236	100%	446	100%	563	100%																																																																																																																																													
	Strongly agree	100	43%	165	37%	N/A	N/A																																																																																																																																													
	Somewhat agree	72	31%	134	30%	N/A	N/A																																																																																																																																													
Invest in electric vehicle charging stations <sup>1</sup>	Somewhat disagree	25	11%	68	15%	N/A	N/A																																																																																																																																													
invest in electric venicle charging stations	Strongly disagree	25	11%	49	11%	N/A	N/A																																																																																																																																													
	Don't know	12	5%	32	7%	9%         7           100%         568           43%         343           33%         150           13%         48           6%         7           4%         15           100%         563           37%         N/A           30%         N/A           100%         563           37%         N/A           100%         N/A           15%         N/A           15%         N/A           10%         N/A           11%         N/A           10%         73           31%         159           12%         73           8%         41           8%         17           100%         569           N/A         N/A           N/A         N/A <tr tbl="">          36%<td>N/A</td></tr> <tr><td></td><td>Total</td><td>234</td><td>100%</td><td>448</td><td>100%</td><td>Number           7           568           343           150           48           7           563           N/A           N/A      <t< td=""><td>N/A</td></t<></td></tr> <tr><td></td><td>Strongly agree</td><td>71</td><td>30%</td><td>182</td><td>40%</td><td>6 278</td><td>49%</td></tr> <tr><td></td><td>Somewhat agree</td><td>69</td><td>29%</td><td>139</td><td>31%</td><td>159</td><td>28%</td></tr> <tr><td>Drahihit wood huming on high pollution days</td><td>Somewhat disagree</td><td>38</td><td>16%</td><td>56</td><td>12%</td><td>73</td><td>13%</td></tr> <tr><td>Prohibit wood-burning on high-poliution days</td><td>Strongly disagree</td><td>41</td><td>17%</td><td>37</td><td>8%</td><td>41</td><td>7%</td></tr> <tr><td></td><td>Don't know</td><td>19</td><td>8%</td><td>36</td><td>8%</td><td>Number         I           7         568         343           343         150         4           150         4         1           150         5         4           7         5         5           563         1         1           563         1         1           N/A         1         1           N/A         1         1           N/A         1         1           N/A         1         1           159         1         1           73         1         1           7569         1         1           7569         1         1           N/A         1         1           7569         1         1           N/A         1         1           N/A<td>3%</td></td></tr> <tr><td></td><td>Total</td><td>237</td><td>100%</td><td>450</td><td>100%</td><td>7 568 343 150 48 7 15 563 N/A N/A N/A N/A N/A N/A 278 159 73 41 17 73 41 177 569 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td><td>100%</td></tr> <tr><td></td><td>Strongly agree</td><td>22</td><td>10%</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> <tr><td></td><td>Somewhat agree</td><td>49</td><td>21%</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> <tr><td>Drobibit outdoor (o.g. bockvord) wood burning</td><td>Somewhat disagree</td><td>64</td><td>28%</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> <tr><td></td><td>Strongly disagree</td><td>80</td><td>35%</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> <tr><td></td><td>Don't know</td><td>17</td><td>7%</td><td>N/A</td><td>43%       343         33%       150         13%       48         6%       7         4%       15         100%       563         37%       N/A         30%       N/A         15%       N/A         11%       N/A         11%       N/A         100%       278         31%       159         12%       73         8%       41         8%       17         100%       569         N/A       N/A         A1%       270</td><td>N/A</td></tr> <tr><td></td><td>Total</td><td>232</td><td>100%</td><td>N/A</td><td>N/A</td><td>Number           7           568           343           150           48           7           563           N/A           N/A      <t< td=""><td>N/A</td></t<></td></tr> <tr><td></td><td>Strongly agree</td><td>63</td><td>27%</td><td>186</td><td></td><td>47%</td></tr> <tr><td></td><td>Somewhat agree</td><td>103</td><td>44%</td><td>161</td><td>36%</td><td>227</td><td>40%</td></tr> <tr><td>Do more to reduce the haze and improve visibility<sup>2</sup></td><td>Somewhat disagree</td><td>39</td><td>17%</td><td>51</td><td>11%</td><td rowspan="2">Number         Number           7         568           343         150           343         150           343         150           3568         343           36         150           37         563           37         15           36         N/A           37         N/A           38         N/A           39         N/A           30         N/A           31         N/A           32         N/A           33         159           31         159           31         159           31         159           31         159           31         159           31         159           31         159           31         13</td><td>6%</td></tr> <tr><td></td><td>Strongly disagree</td><td>15</td><td>6%</td><td>13</td><td>3%</td><td>2%</td></tr> <tr><td></td><td>Don't know</td><td>15</td><td>6%</td><td>39</td><td>9%</td><td>26</td><td>5%</td></tr>	N/A		Total	234	100%	448	100%	Number           7           568           343           150           48           7           563           N/A           N/A <t< td=""><td>N/A</td></t<>	N/A		Strongly agree	71	30%	182	40%	6 278	49%		Somewhat agree	69	29%	139	31%	159	28%	Drahihit wood huming on high pollution days	Somewhat disagree	38	16%	56	12%	73	13%	Prohibit wood-burning on high-poliution days	Strongly disagree	41	17%	37	8%	41	7%		Don't know	19	8%	36	8%	Number         I           7         568         343           343         150         4           150         4         1           150         5         4           7         5         5           563         1         1           563         1         1           N/A         1         1           N/A         1         1           N/A         1         1           N/A         1         1           159         1         1           73         1         1           7569         1         1           7569         1         1           N/A         1         1           7569         1         1           N/A         1         1           N/A <td>3%</td>	3%		Total	237	100%	450	100%	7 568 343 150 48 7 15 563 N/A N/A N/A N/A N/A N/A 278 159 73 41 17 73 41 177 569 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	100%		Strongly agree	22	10%	N/A	N/A	N/A	N/A		Somewhat agree	49	21%	N/A	N/A	N/A	N/A	Drobibit outdoor (o.g. bockvord) wood burning	Somewhat disagree	64	28%	N/A	N/A	N/A	N/A		Strongly disagree	80	35%	N/A	N/A	N/A	N/A		Don't know	17	7%	N/A	43%       343         33%       150         13%       48         6%       7         4%       15         100%       563         37%       N/A         30%       N/A         15%       N/A         11%       N/A         11%       N/A         100%       278         31%       159         12%       73         8%       41         8%       17         100%       569         N/A       N/A         A1%       270	N/A		Total	232	100%	N/A	N/A	Number           7           568           343           150           48           7           563           N/A           N/A <t< td=""><td>N/A</td></t<>	N/A		Strongly agree	63	27%	186		47%		Somewhat agree	103	44%	161	36%	227	40%	Do more to reduce the haze and improve visibility <sup>2</sup>	Somewhat disagree	39	17%	51	11%	Number         Number           7         568           343         150           343         150           343         150           3568         343           36         150           37         563           37         15           36         N/A           37         N/A           38         N/A           39         N/A           30         N/A           31         N/A           32         N/A           33         159           31         159           31         159           31         159           31         159           31         159           31         159           31         159           31         13	6%		Strongly disagree	15	6%	13	3%	2%		Don't know	15	6%	39	9%	26	5%
N/A																																																																																																																																																				
	Total	234	100%	448	100%	Number           7           568           343           150           48           7           563           N/A           N/A <t< td=""><td>N/A</td></t<>	N/A																																																																																																																																													
	Strongly agree	71	30%	182	40%	6 278	49%																																																																																																																																													
	Somewhat agree	69	29%	139	31%	159	28%																																																																																																																																													
Drahihit wood huming on high pollution days	Somewhat disagree	38	16%	56	12%	73	13%																																																																																																																																													
Prohibit wood-burning on high-poliution days	Strongly disagree	41	17%	37	8%	41	7%																																																																																																																																													
	Don't know	19	8%	36	8%	Number         I           7         568         343           343         150         4           150         4         1           150         5         4           7         5         5           563         1         1           563         1         1           N/A         1         1           N/A         1         1           N/A         1         1           N/A         1         1           159         1         1           73         1         1           7569         1         1           7569         1         1           N/A         1         1           7569         1         1           N/A         1         1           N/A <td>3%</td>	3%																																																																																																																																													
	Total	237	100%	450	100%	7 568 343 150 48 7 15 563 N/A N/A N/A N/A N/A N/A 278 159 73 41 17 73 41 177 569 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	100%																																																																																																																																													
	Strongly agree	22	10%	N/A	N/A	N/A	N/A																																																																																																																																													
	Somewhat agree	49	21%	N/A	N/A	N/A	N/A																																																																																																																																													
Drobibit outdoor (o.g. bockvord) wood burning	Somewhat disagree	64	28%	N/A	N/A	N/A	N/A																																																																																																																																													
	Strongly disagree	80	35%	N/A	N/A	N/A	N/A																																																																																																																																													
	Don't know	17	7%	N/A	43%       343         33%       150         13%       48         6%       7         4%       15         100%       563         37%       N/A         30%       N/A         15%       N/A         11%       N/A         11%       N/A         100%       278         31%       159         12%       73         8%       41         8%       17         100%       569         N/A       N/A         A1%       270	N/A																																																																																																																																														
	Total	232	100%	N/A	N/A	Number           7           568           343           150           48           7           563           N/A           N/A <t< td=""><td>N/A</td></t<>	N/A																																																																																																																																													
	Strongly agree	63	27%	186		47%																																																																																																																																														
	Somewhat agree	103	44%	161	36%	227	40%																																																																																																																																													
Do more to reduce the haze and improve visibility <sup>2</sup>	Somewhat disagree	39	17%	51	11%	Number         Number           7         568           343         150           343         150           343         150           3568         343           36         150           37         563           37         15           36         N/A           37         N/A           38         N/A           39         N/A           30         N/A           31         N/A           32         N/A           33         159           31         159           31         159           31         159           31         159           31         159           31         159           31         159           31         13	6%																																																																																																																																													
	Strongly disagree	15	6%	13	3%		2%																																																																																																																																													
	Don't know	15	6%	39	9%	26	5%																																																																																																																																													

		20	17	20	11	20	07
To help improve air quality in Fort Collins, City air quality progr	ams and plans should:	Number	Percent	Number	Percent	Number	Percent
	grams and plans should: Nu Total Nu Strongly agree Somewhat agree Somewhat disagree Don't know Total Strongly agree Somewhat agree Somewhat agree Somewhat agree Somewhat agree Somewhat disagree Strongly disagree Don't know Total Strongly disagree Strongly disagree Total Strongly disagree Strongly disagree Strongly disagree Total Strongly disagree Strongly disagree Strongly disagree Total Strongly disagree Strongly	235	100%	450	100%	571	100%
	Strongly agree	168	71%	N/A	N/A	N/A	N/A
	Somewhat agree	48	20%	Number         Percent         Number           6         450         100%         571           6         N/A         N/A         N/A           6         N/A         N/A         N/A	N/A		
Dromoto hiking walking or use of transit	Somewhat disagree	11	5%	N/A	N/A	Number           571           N/A	N/A
Promote biking, walking or use of transit	Strongly disagree	10	4%	N/A	N/A	N/A	N/A
	Don't know	2	1%	N/A	N/A	571 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A
	Total	238	100%	N/A	N/A		N/A
	Strongly agree	109	46%	N/A	N/A	N/A	N/A
	Somewhat agree	66	28%	N/A	N/A	N/A	N/A
De more te enferre empliine requilatione	Somewhat disagree	26	11%	N/A	N/A	Number           571           N/A	N/A
Do more to enforce smoking regulations	Strongly disagree	31	13%	N/A	N/A	N/A	N/A
	Don't know	5	2%	N/A	N/A	Number           571           N/A           N/A	N/A
	Total	238	100%	N/A	N/A		N/A

<sup>1</sup>In 2011, the wording was "Invest in publically available alternative fueling infrastructure such as electric vehicle charging stations"

<sup>2</sup>In 2011, the wording was "Do more to reduce the brown cloud and improve visibility"

#### Table 21: Question 16 - 2017 only, all respondents

What, if anything, should the City do to have a greater impact on the air quality in our community?	Number	Percent
No comment	146	59%
Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources	23	9%
Increase/improve public transit; encourage alternative transportation modes	19	8%
Do nothing/already too many ordinances/I don't approve of Climate Action Plan	14	6%
Tighten regulations on idling/vehicle emissions/rolling coal	14	6%
Improve traffic flow/reduce congestion/slow development and population growth	13	5%
Other	12	5%
Raise awareness/provide education to residents	12	5%
Mitigate pollution from agriculture/industry/oil and gas development	4	2%
Address issues with public smoking/indoor pollution	2	1%
Don't know	1	1%
Total	248	100%

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment. The full text of the verbatim responses can be found in *Appendix D: Verbatim Responses to Open-Ended Questions*.

What, if anything, should the City do to have a greater impact on the air quality in our community?	Number	Percent
Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources	23	22%
Increase/improve public transit; encourage alternative transportation modes	19	18%
Do nothing/already too many ordinances/I don't approve of Climate Action Plan	14	14%
Tighten regulations on idling/vehicle emissions/rolling coal	14	14%
Improve traffic flow/reduce congestion/slow development and population growth	13	12%
Other	12	12%
Raise awareness/provide education to residents	12	12%
Mitigate pollution from agriculture/industry/oil and gas development	4	4%
Address issues with public smoking/indoor pollution	2	2%
Don't know	1	1%
No comment	N/A	N/A
Total	102	100%

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment. The full text of the verbatim responses can be found in *Appendix D: Verbatim Responses to Open-Ended Questions*.

#### Table 23: Question 17

		20	17	20	2011		07
How strongly do you agree or disagree with each of the following statements?		Number	Percent	Number	Percent	Number	Percent
	Strongly agree	105	44%	82	19%	L9%         N/A           38%         N/A           38%         N/A           6%         N/A           6%         N/A           20%         N/A           20%         N/A           31%         N/A           14%         N/A           5%         N/A           9%         N/A           00%         N/A	N/A
	Somewhat agree	65	27%	165	38%	N/A	N/A
I have seen the impacts of climate change in Colorado <sup>1</sup>	Somewhat disagree	30	12%	78	18%	N/A	N/A
Thave seen the impacts of climate change in colorado	Strongly disagree	21	9%	24	6%	N/A	N/A
	Don't know	17	7%	86	20%	N/A	N/A
	Total 238 100% 435 100% N/	N/A	N/A				
	Strongly agree	104	44%	136	31%	N/A	N/A
	Somewhat agree	103	44%	193	44%	N/A	N/A
I know what small changes I could make in my life to	Somewhat disagree	18	8%	51	12%	N/A	N/A
affect climate change (e.g., increase energy efficiency)	Strongly disagree	4	2%	21	5%	N/A	N/A
	Don't know	8	3%	42	9%	N/A	N/A
	Total	237	100%	442	100%	N/A	N/A
I know what small changes I could make in my life to help	Strongly agree	49	21%	N/A	N/A	N/A	N/A
improve community resiliency (e.g., prepare for extreme	Somewhat agree	112	47%	N/A	N/A	N/A	N/A

		20	17	20	11	20	07
How strongly do you agree or disagree with each of the fol	lowing statements?	Number	Percent	Number	Percent	Number	Percent
weather)	Somewhat disagree	49	21%	N/A	N/A	N/A	N/A
	Strongly disagree	8	3%	N/A	N/A	N/A	N/A
	Don't know	18	8%	N/A	N/A	N/A	N/A
	Total	237	100%	N/A	N/A	N/A	N/A
	Strongly agree	114	48%	179	41%	258	46%
	Somewhat agree	101	43%	185	42%	204	36%
Our City should offer voluntary programs to help citizens and business increase energy efficiency and climate	Somewhat disagree	16	7%	33	7%	22	4%
resiliency <sup>2</sup>	Strongly disagree	5	2%	24	5%	47	8%
resiliency	Don't know	1	0%	21	5%	33	6%
	Total	237	100%	442	100%	564	100%
	Strongly agree	78	33%	166	38%	253	45%
	Somewhat agree	92	39%	139	32%	137	24%
Our City should enact ordinances and regulations	Somewhat disagree	46	19%	56	13%	51	9%
intended to increase energy efficiency and climate resiliency <sup>3</sup>	Strongly disagree	20	9%	53	12%	85	15%
resiliency	Don't know	2	1%	27	6%	N/A           N/A           258           204           22           47           33           564           253           137           51           85           40           567           N/A	7%
	Total	238	100%	441	100%	567	100%
	Strongly agree	151	64%	N/A	N/A	N/A	N/A
	Somewhat agree	67	28%	N/A	N/A	N/A	N/A
Our City should lead by example in cutting its own	Somewhat disagree	12	5%	N/A	N/A	N/A	N/A
emissions to help achieve the community goals	Strongly disagree	4	2%	N/A	N/A	N/A	N/A
	Don't know	3	1%	N/A	N/A	N/A	N/A
	Total	238	100%	N/A	N/A	N/A	N/A
	Strongly agree	146	62%	N/A	N/A	N/A	N/A
	Somewhat agree	40	17%	N/A	N/A	N/A           N/A           N/A           N/A           258           204           222           47           33           564           253           137           554           253           137           554           0           567           N/A	N/A
Climate change is an urgent issue, it needs immediate	Somewhat disagree	28	12%	N/A	N/A	N/A	N/A
action	Strongly disagree	18	8%	N/A	N/A	N/A	N/A
	Don't know	4	2%	N/A	N/A	N/A	N/A
	Total	237	100%	N/A	N/A	N/A	N/A
	Strongly agree	135	57%	N/A	N/A	N/A	N/A
Our City should invest in programs and create policies to	Somewhat agree	52	22%	N/A	N/A	Number           /A         N/A           /A         258           20         204           7%         222           5%         47           5%         33           0%         564           3%         253           2%         85           5%         40           0%         567           /A         N/A           /A </td <td>N/A</td>	N/A
address climate change	Somewhat disagree	31	13%	N/A	N/A		N/A

		2017		2011		20	07
How strongly do you agree or disagree with each of the fol	lowing statements?	Number	Percent	Number	Percent	Number	Percent
	Strongly disagree	16	7%	N/A	N/A	N/A	N/A
	Don't know	3	1%	N/A	N/A	N/A	N/A
	Total	238	100%	N/A	N/A	N/A	N/A
	Strongly agree	152	64%	N/A	N/A	N/A	N/A
	Somewhat agree	42	18%	N/A	N/A	N/A	N/A
State and federal agencies should invest in programs and	Somewhat disagree	21	9%	N/A	N/A	N/A	N/A
create policies to address climate change	Strongly disagree	21	9%	N/A	N/A	N/A	N/A
	Strongly disagree167%N/AN/ADon't know31%N/AN/ATotal238100%N/AN/ATotal238100%N/AN/AStrongly agree15264%N/AN/ASomewhat agree4218%N/AN/ASomewhat disagree219%N/AN/AStrongly disagree219%N/AN/ADon't know21%N/AN/A	N/A	N/A	N/A			
	Total	238	100%	N/A	N/A	N/A	N/A

<sup>1</sup>In 2011, the question wording was "I know about the impacts that climate change is having in Colorado" <sup>2</sup>In 2011, the wording was "Governments should offer voluntary programs that enable citizens and businesses to reduce climate change"

<sup>3</sup>In 2011, the wording was "Governments should enact legislation and regulations intended to reduce climate change".

#### Table 24: Question 18\*

How likely or unlikely would you be to help	Very	likely	Somewh	at likely	Some unlil		Very u	nlikely	Don't	know
achieve the community's climate goals	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
If there were clear cost savings for my										
household	176	72%	51	21%	5	2%	8	3%	3	1%
Even if it would cost my household more	51	21%	113	47%	43	18%	31	13%	2	1%
If doing my part would not take a lot of my time	117	49%	89	37%	17	7%	16	6%	1	1%
If my family or friends were also doing their part	105	44%	107	44%	7	3%	16	7%	6	2%
If there was a clear environmental benefit for										
the community	136	58%	79	33%	6	3%	14	6%	2	1%
If there was a clear economic benefit for the										
community	129	54%	90	38%	4	2%	12	5%	3	1%
If there was a clear social or health benefit	147	62%	73	31%	6	2%	10	4%	1	1%
If I knew my actions were helping accomplish										
the goals	139	59%	73	31%	6	2%	15	7%	3	1%
If I knew our actions were inspiring other communities	120	51%	74	31%	20	8%	19	8%	3	1%

\*Not asked in previous years

#### Table 25: Question 19 - 2017 only, all respondents

What, if anything, should the City do to have a greater impact on the issue of climate change or community resiliency in our community?	Number	Percent
No comment	162	65%
Invest in or incentivize environmentally friendly general practices/behaviors or energy sources	27	11%
Raise awareness/provide education to residents	23	9%
Increase/improve public transit; encourage alternative transportation; slow development	18	7%
Do nothing/already too many ordinances/I don't believe in climate change	12	5%
Punish/fine/tax polluters, increase accountability/enforcement, or otherwise mitigate pollution	11	4%
Other	5	2%
Don't know	2	1%
Total	248	100%

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment. The full text of the verbatim responses can be found in *Appendix D: Verbatim Responses to Open-Ended Questions*.

#### Table 26: Question 19 - 2017 only, % of those who commented

What, if anything, should the City do to have a greater impact on the issue of climate change or community resiliency in our		
community?	Number	Percent
Invest in or incentivize environmentally friendly general practices/behaviors or energy sources	27	29%
Raise awareness/provide education to residents	23	25%
Increase/improve public transit; encourage alternative transportation; slow development	18	20%
Do nothing/already too many ordinances/I don't believe in climate change	12	13%
Punish/fine/tax polluters, increase accountability/enforcement, or otherwise mitigate pollution	11	12%
Other	5	6%
No comment	5	5%
Don't know	2	2%
Total	91	100%

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment.

		2017		2011		2007	
I currently recycle at the following level:		Number	Percent	Number	Percent	Number	Percent
	Can't, it is not available	12	5%	43	10%	49	9%
	Never, but it is available	9	4%	18	4%	79	14%
	Less than once a month	2	1%	3	1%	N/A	N/A
Curbside recycling program	Once a month	6	3%	19	4%	90	16%
	Twice a month or more	205	85%	326	75%	345	61%
	Don't know	6	2%	23	5%	N/A	N/A
	Total	241	100%	432	100%	564	100%
	Can't, it is not available	3	1%	18	4%	N/A	N/A
	Never, but it is available	109	49%	140	35%	N/A	N/A
have a deep off site (such as 1002 C. Timberding	Less than once a month	63	28%	97	24%	N/A	N/A
l use a drop-off site (such as 1903 S. Timberline Road) <sup>1</sup>	Once a month	16	7%	29	7%	N/A	N/A
	Twice a month or more	8	4%	17	4%	N/A	N/A
	Don't know	22	10%	103	25%	N/A	N/A
	Total	221	100%	405	100%	N/A	N/A
	Can't, it is not available	59	26%	N/A	N/A	N/A	N/A
	Never, but it is available	80	36%	N/A	N/A	N/A	N/A
Vand tuine min as using you have a sub-side	Less than once a month	17	8%	N/A	N/A	N/A	N/A
Yard trimmings using my hauler's curbside collection service	Once a month	11	5%	N/A	N/A	N/A	N/A
	Twice a month or more	27	12%	N/A	N/A	N/A	N/A
	Don't know	30	13%	N/A	N/A	N/A	N/A
	Total	224	100%	N/A	N/A	N/A	N/A
	Can't, it is not available	31	14%	N/A	N/A	N/A	N/A
	Never, but it is available	107	47%	N/A	N/A	N/A	N/A
	Less than once a month	35	16%	N/A	N/A	N/A	N/A
Yard trimmings or food scraps at a drop-off site	Once a month	1	0%	N/A	N/A	N/A	N/A
	Twice a month or more	4	2%	N/A	N/A	N/A	N/A
	Don't know	48	21%	N/A	N/A	N/A	N/A
	Total	225	100%	N/A	N/A	N/A	N/A
Yard trimmings or food scraps in back-yard	Can't, it is not available	67	29%	N/A	N/A	N/A	N/A
compost	Never, but it is available	92	41%	N/A	N/A	N/A	N/A

### Table 27: Question 20

		2017		2011		2007	
I currently recycle at the following level:		Number	Percent	Number	Percent	Number	Percent
	Less than once a month	7	3%	N/A	N/A	N/A	N/A
	Once a month	7	3%	N/A	N/A	N/A	N/A
	Twice a month or more	31	14%	N/A	N/A	N/A	N/A
	Don't know	22	10%	N/A	N/A	N/A	N/A
	Total	226	100%	N/A	N/A	N/A	N/A
	Can't, it is not available	14	6%	N/A	N/A	N/A	N/A
	Never, but it is available	28	12%	N/A	N/A	N/A	N/A
	Less than once a month	16	7%	N/A	N/A	N/A	N/A
Food scraps in kitchen sink garbage disposal	Once a month	6	3%	N/A	N/A	N/A	N/A
	Twice a month or more	157	68%	N/A	N/A	N/A	N/A
	Don't know	10	4%	N/A	N/A	N/A	N/A
	Total	232	100%	N/A	N/A	N/A	N/A
	Can't, it is not available	12	5%	62	15%	106	19%
	Never, but it is available	61	26%	71	18%	81	15%
	Less than once a month	119	51%	142	35%	N/A	N/A
Electronic waste at a drop-off site or store <sup>2</sup>	Once a month	2	1%	7	2%	121	22%
	Twice a month or more	14	6%	9	2%	239	44%
	Don't know	24	10%	110	27%	N/A	N/A
	Total	233	100%	400	100%	547	100%

\*In 2007, the response categories were different; they matched to 2011 data as follows: "Always"="Twice a month or more", "Sometimes"="Once a month", "Never"="Never", "Can't/Don't know"="Can't"

<sup>1</sup>In 2011, the question wording was "Drop-off site at Rivendell School, NE corner of Riverside and E. Prospect" <sup>2</sup>In 2011, the wording was "Electronic waste"

	Strongly agree		Somewh	at agree	Some disa		Strongly disagree		Don't	know
To help increase recycling I think:	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
It should be unlawful for businesses to deliberately throw recyclables in the trash	91	38%	73	30%	42	17%	32	13%	3	1%
It should be unlawful for residents of multi- family apartments to deliberately throw recyclables in the trash	76	31%	80	33%	45	19%	37	15%	4	2%
It should be unlawful for residents of single- family homes to deliberately throw recyclables in the trash	72	30%	80	33%	48	20%	38	15%	4	2%
Restaurants should be required to have compost collection	84	34%	87	36%	30	12%	33	14%	10	4%
Single-family households should have the option to pay a separate charge for curbside collection of food scraps and yard trimmings	73	30%	100	42%	25	10%	26	11%	16	7%
Single-family households should get curbside collection of food scraps and yard trimmings bundled as part of basic trash and recycling service (i.e, no separate charge)	102	42%	90	37%	23	9%	13	5%	14	6%
The City should ban the disposal of "green waste" in the trash (e.g., food, wood, leaves, branches, paper products)	38	16%	71	29%	74	31%	50	20%	10	4%

### Table 28: Question 21\*

\*Not asked in previous years

What, if any, parts of the recycling system in Fort Collins don't work for you or need to be changed?	Number	Percent
No comment	165	66%
Larger/more recycling bins, more recycling locations, or more frequent recycling service	28	11%
More information/education/better enforcement needed	22	9%
No changes necessary/positive comment	14	6%
Offer compost/yard waste collection	7	3%
Less regulation/no new programs/programs should be voluntary	6	2%
Different/cheaper payment structure needed	6	2%
Other	6	2%
Make it easier/cheaper to recycle/dispose of hard-to-recycle materials	6	2%
City should provide services	2	1%
Don't know	2	1%
Total	248	100%
Marketing and the second		

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment.

What, if any, parts of the recycling system in Fort Collins don't work for you or need to be changed?	Number	Percent
Larger/more recycling bins, more recycling locations, or more frequent recycling service	28	33%
More information/education/better enforcement needed	22	27%
No changes necessary/positive comment	14	17%
Offer compost/yard waste collection	7	8%
Less regulation/no new programs/programs should be voluntary	6	7%
Different/cheaper payment structure needed	6	7%
Other	6	7%
Make it easier/cheaper to recycle/dispose of hard-to-recycle materials	6	7%
City should provide services	2	2%
Don't know	2	2%
No comment	N/A	N/A
Total	83	100%

#### Table 30: Question 22 - 2017 only, % of those who commented

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment.

## Table 31: Question 23\*

How often do you shop at local Farmers Markets or Community Supported Agriculture produce stands?	Number	Percent
Never	48	20%
1-6 times/year	142	58%
7-12 times/year	29	12%
13-24 times/year	22	9%
More than 24 times/year	2	1%
Total	243	100%

\*Not asked in previous years

#### Table 32: Question 24\*

					Some	what				
How much do you agree or disagree with the	Strong	y agree	Somewh	at agree	disa	gree	Strongly	disagree	Don't	know
following statements:	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
It is important for the community to have										
access to local food	174	72%	60	25%	3	1%	3	1%	1	1%
Our city should offer voluntary programs to										
help residents and businesses increase access										
to local foods	130	54%	76	31%	17	7%	10	4%	9	4%
Our city should enact ordinances and										
regulations intended to increase access to local										
food	77	32%	68	28%	46	19%	43	18%	9	4%

\*Not asked in previous years

#### Table 33: Question 25\*

Should the City play a role in ensuring the availability of locally grown food?	Number	Percent
Yes	140	58%
No	48	20%
Don't know	54	22%
Total	242	100%

\*Not asked in previous years

	2017 2011		2007			
How many years have you lived in Fort Collins?	Number	Percent	Number	Percent	Number	Percent
2 or less years	31	13%	75	17%	114	21%
3-5 years	54	23%	79	18%	83	15%
6-10 years	35	15%	87	20%	101	18%
11-20 years	47	20%	76	17%	107	19%
21 or more years	70	30%	122	28%	145	26%
Total	236	100%	439	100%	550	100%

#### Table 34: Question D1

## Table 35: Question D1 - Average

	2017			2011	2007		
		Average number of		Average number of		Average number of	
	Number	years	Number	years	Number	years	
How many years have you lived in Fort							
Collins?	236	15.2	439	14.0	550	15.4	

#### Table 36: Question D2

	2017		202	11	
Including yourself, how many people living with you are in each of the following age brack	Number	Percent	Number	Percent	
	0	163	77%	305	77%
	1	22	10%	47	12%
0 to 17 years ald	2	20	9%	31	8%
0 to 17 years old	3	8	4%	13	3%
	4	0	0%	1	0%
	Total	212	100%	397	100%
	0	24	11%	41	10%
	1	67	31%	119	30%
	2	88	41%	188	47%
18 to 64 years old	3	27	12%	43	11%
	4	7	3%	6	2%
	5	0	0%	0	0%
	Total	212	100%	397	100%
		20	17	203	11
--	-------	--------	---------	--------	---------
Including yourself, how many people living with you are in each of the following age brack	ets?	Number	Percent	Number	Percent
	0	186	88%	345	87%
65 years or older	1	16	7%	33	8%
	2	10	5%	19	5%
	Total	212	100%	397	100%
	1	67	32%	116	29%
	2	74	35%	165	42%
	3	37	18%	61	15%
Total number of people in household	4	21	10%	38	9%
	5	12	6%	11	3%
	6	0	0%	6	1%
	Total	212	100%	397	100%

In 2007, age categories were not asked, only total number of people

## Table 37: Question D2 - Average

		2017		2011
Including yourself, how many people living with you are in each of the following		Average number of		Average number of
age brackets?	Number	people	Number	people
0 to 17 years old	212	.4	397	.4
18 to 64 years old	212	1.7	397	1.6
65 years or older	212	.2	397	.2
Total number of people in household	212	2.2	397	2.2

Table 50. Question D5										
	20:	2017		11	200	)7				
Which category contains your age? (Check one)	Number	Percent	Number	Percent	Number	Percent				
18 to 24	35	15%	72	16%	96	18%				
25 to 34	73	30%	140	31%	169	31%				
35 to 44	38	16%	59	13%	69	13%				
45 to 54	36	15%	73	16%	98	18%				
55 to 64	30	13%	51	11%	61	11%				
65-74	18	8%	22	5%	22	4%				
75+	9	4%	28	6%	24	4%				
Total	239	100%	445	100%	541	100%				

# Table 38: Question D3

# Table 39: Question D4

	202	17	202	11	2007		
For your home, do you: (Check one)	Number	Percent	Number	Percent	Number	Percent	
Rent/ lease	108	44%	190	45%	239	42%	
Own	135	56%	235	55%	329	58%	
Other	0	0%	0	0%	0	0%	
Total	243	100%	425	100%	568	100%	

# Table 40: Question D5

	2017		20	11	200	07
What is your highest level of education? (Check one)	Number	Percent	Number	Percent	Number	Percent
Grade/middle school	0	0%	7	2%	8	2%
Some high school, no diploma	1	0%	16	4%	45	8%
High school diploma/GED	8	4%	68	15%	116	22%
Technical/vocational school	10	4%	40	9%	16	3%
Some college, no degree	47	19%	177	40%	182	34%
College degree	89	37%	135	30%	170	32%
Some graduate school	19	8%	0	0%	0	0%
Graduate degree or professional degree	68	28%	0	0%	0	0%
Total	241	100%	443	100%	537	100%

	2017		20:	11	2007				
What is your gender? (Check one)	Number	Percent	Number	Percent	Number	Percent			
Female	121	50%	226	51%	291	51%			
Male	118	50%	218	49%	275	49%			
Other	0	0%	0	0%	0	0%			
Total	239	100%	444	100%	566	100%			

#### Table 41: Question D6

# Table 42: Question D7 (2011 and 2017 only)

	20:	17	20:	11	200	)7
What is your current employment status? (Check one)	Number	Percent	Number	Percent	Number	Percent
Employed full-time for wages	117	49%	237	56%	N/A	N/A
Employed part-time for wages	23	10%	46	11%	N/A	N/A
Self-employed	29	12%	26	6%	N/A	N/A
Laid off or unemployed	3	1%	59	14%	N/A	N/A
Disabled and unable to work	4	1%	39	9%	N/A	N/A
Full time homemaker	10	4%	13	3%	N/A	N/A
Retired	31	13%	6	1%	N/A	N/A
Student	24	10%	N/A	N/A	N/A	N/A
Military	0	0%	0	0%	0	0%
Total	240	100%	426	100%	N/A	N/A

2007 employment categories do not match 2011 or 2017 categories and are not included in this report

# Table 43: Question D8 (2017 only)\*

Which of the following best describes your total yearly household income? (Check one)	Number	Percent
Less than \$15,000	17	8%
\$15,000 to \$24,999	28	13%
\$25,000 to \$39,999	19	9%
\$40,000 to \$59,999	42	19%
\$60,000 to \$74,999	19	8%
\$75,000 to \$99,999	41	18%
\$100,000 or more	55	25%
Total	221	100%

\*Not asked in 2007 and income categories were different in 2011

	20	17	20	11
What is your race/ethnicity? (Mark one or more to indicate what you consider yourself to be).	Number	Percent	Number	Percent
American Indian or Alaskan Native	4	2%	16	4%
Asian, Asian Indian or Pacific Islander	8	3%	16	4%
Black or African American	3	1%	5	1%
Spanish, Hispanic or Latino	6	2%	19	5%
White	215	93%	377	90%
Other	7	3%	11	3%
Total	232	100%	419	100%

# Table 44: Question D9 (2011 and 2017 only)\*

\*Not asked in 2007

# Appendix B: Responses to Select Survey Questions by Zip Code

The tables on the following pages show responses to select questions compared by respondent zip code. Shading indicates statistically significant differences in responses between respondents ( $p \le .05$ ).

The City offers a variety of specific programs and events that address air quality and environmental						
issues. Do you recall hearing about, or participating in, any of the following? (Percent "participated")	80521	80524	80525	80526	80528	Overall
Anti-Idling signs, posters, or ads (e.g., signs at train stops or schools)	72%	55%	68%	74%	50%	67%
Lawn Mower Rebate Program	13%	38%	43%	42%	45%	37%
Radon testing and mitigation	58%	58%	76%	63%	69%	66%
Zero Interest Loans for wood stoves/radon/mold	14%	30%	17%	20%	19%	19%
Healthy Homes Indoor Air Quality assessments	61%	47%	47%	42%	34%	47%
Climate Action goals	70%	50%	54%	49%	47%	54%
Christmas Tree Recycling Program	74%	80%	83%	85%	83%	82%
Leaf Exchange Program	38%	58%	62%	49%	35%	50%
Timberline Recycling Center	73%	72%	84%	60%	82%	74%

#### Table 45: Question 1

#### Table 46: Question 2

				i.		
Please check all the places you have seen information about Fort Collins' air quality, climate or						
recycling programs.	80521	80524	80525	80526	80528	Overall
Social media	29%	28%	22%	16%	30%	24%
TV	12%	3%	12%	8%	3%	9%
Radio	14%	20%	28%	13%	7%	18%
The Coloradoan	62%	68%	60%	46%	41%	55%
Schools/colleges	48%	9%	11%	23%	6%	21%
Utility bill insert/City News	62%	89%	76%	66%	65%	70%
Fliers/brochures	37%	51%	33%	36%	19%	34%
Program or event	26%	2%	14%	9%	5%	13%
E-newsletters/email	11%	7%	8%	10%	7%	9%
Word of mouth	47%	52%	32%	23%	38%	36%
City of Fort Collins website (fcgov.com)	36%	48%	30%	41%	24%	35%
Other (please specify)	8%	0%	6%	10%	15%	8%
Percent "yes"						

Table 47: Question 3								
Overall, how would you rate the following? (Percent "excellent" or "good")	80521	80524	80525	80526	80528	Overall		
Quality of outdoor air in Fort Collins	86%	95%	79%	88%	76%	84%		
Quality of indoor air in Fort Collins	71%	93%	83%	94%	90%	85%		

#### Table 48: Question 4

	80521	80524	80525	80526	80528	Overall
Experienced a respiratory ailment	25%	23%	24%	29%	31%	26%

\*In 2011 the question wording was "other respiratory ailments" and an option for "none of these" was provided.

#### Table 49: Question 4\*

Does anyone in your household experience the following respiratory ailments? (Percent "yes")	80521	80524	80525	80526	80528	Overall
Asthma	73%	86%	82%	96%	86%	85%
Emphysema	4%	0%	0%	2%	0%	1%
Heart disease	25%	8%	16%	0%	4%	11%
Other	12%	5%	10%	2%	10%	8%

\*Of those with a respiratory ailment

#### Table 50: Question 5

How strongly do you agree or disagree with each of the following statements? (Percent "strongly agree" or "somewhat agree")	80521	80524	80525	80526	80528	Overall
Air quality is important for my overall quality of life	97%	90%	100%	100%	93%	98%
The City of Fort Collins should work to improve air quality	90%	75%	92%	97%	77%	89%
I am concerned about the effects of outdoor air quality on my health	78%	67%	80%	91%	66%	79%
I am concerned about the effects of indoor air quality on my health	77%	77%	81%	92%	68%	81%
I am concerned about the effects of air quality on sensitive populations, such as children and the elderly	86%	86%	90%	98%	72%	89%
I am concerned about the effects of air quality on the environment	84%	87%	94%	97%	66%	89%
Mountain views are obscured by the air pollution in Fort Collins	26%	46%	49%	28%	18%	35%
Air pollution in Fort Collins hurts the local economy	59%	50%	54%	39%	11%	45%
Air pollution in Fort Collins makes the air smell bad	48%	43%	52%	65%	18%	49%
I feel a personal obligation to help improve the air quality in Fort Collins	84%	80%	81%	90%	67%	82%
I know what small changes I can make to help improve air quality	85%	80%	82%	89%	71%	83%

Table 51: Question 6						
Please circle one number for each question below. (Percent "yes")	80521	80524	80525	80526	80528	Overall
Have you ever experienced unacceptable outdoor air quality in Fort Collins?	35%	37%	45%	43%	36%	41%
Have you ever experienced unacceptable indoor air quality in your home?	12%	23%	19%	15%	15%	16%

# Table 52: Question 7

	80521	80524	80525	80526	80528	Overall
Do you think more can be done to maintain or improve the outdoor air quality in Fort Collins? (Check						
one) (Percent "yes")	92%	78%	87%	98%	54%	86%

# Table 53: Question 8

Air pollution in Fort Collins affects me because it (percent "strongly agree" or "somewhat agree")	80521	80524	80525	80526	80528	Overall
Triggers allergies/respiratory problems, eye/nose irritation	79%	47%	79%	69%	46%	69%
Causes long-term respiratory problems	64%	59%	70%	69%	56%	66%
Causes health problems for family members and/or pets	69%	52%	51%	61%	51%	57%
Obscures mountain views	48%	33%	59%	53%	34%	49%
Affects my indoor air quality	51%	56%	65%	73%	37%	59%

## Table 54: Question 9

Please rate your level of concern for the air pollutants listed as they relate to you and your family's						
day-to-day health and environment: (Percent "very serious" or "somewhat serious")	80521	80524	80525	80526	80528	Overall
Gasoline/diesel vehicle emissions from driving	84%	82%	81%	96%	58%	83%
Vehicle idling	84%	85%	84%	94%	33%	81%
"Rolling coal" from modified vehicle tailpipes	81%	72%	89%	96%	54%	83%
Wood smoke from indoor fireplaces or stoves	43%	32%	44%	51%	25%	42%
Wood smoke from residential outdoor burning	45%	34%	41%	56%	29%	43%
Second-hand smoke (e.g., tobacco/nicotine products)	77%	80%	82%	77%	44%	75%
Ground-level ozone	79%	52%	89%	85%	45%	76%
Dust or particles	81%	73%	64%	78%	50%	71%
Industrial Emissions	86%	82%	78%	91%	36%	79%
Other	0%	75%	68%	95%	78%	82%

Tuble 55. Question 10						
Please circle one number for each question below. (Percent "yes")	80521	80524	80525	80526	80528	Overall
Has your home ever been tested for radon?	29%	71%	73%	56%	47%	58%
Does your home have a radon mitigation system?	15%	40%	48%	31%	38%	36%
Do you have a carbon monoxide alarm?	84%	91%	93%	84%	95%	89%
Does your home have a fire/smoke alarm that has been replaced in the past 5 years?	92%	88%	85%	90%	78%	87%
Does your family have a fire escape plan?	72%	52%	68%	61%	64%	65%
Does your home have a mold problem?	2%	0%	1%	1%	0%	1%

# Table 55: Question 10

#### Table 56: Question 11a

In the table below, please tell us about each home heating appliance that you have: (Percent "my home has")	80521	80524	80525	80526	80528	Overall
Wood burning appliance (fireplace or stove)	20%	6%	33%	23%	11%	22%
Pellet burning appliance (fireplace or stove)	0%	0%	0%	9%	3%	3%
Gas burning appliance fireplace or stove)	50%	61%	45%	51%	77%	53%
Coal-burning appliance (fireplace or stove)	5%	0%	1%	6%	0%	3%
Electric heat	57%	20%	49%	58%	17%	45%
Other	13%	3%	3%	1%	5%	5%
No indoor appliances chosen	7%	22%	14%	8%	22%	13%

## Table 57: Question 12

If you use a wood burning fireplace or stove for heat, how much wood do you typically burn in						
a year? (Note: A cord is a stack 4 feet wide by 4 feet high by 8 feet long.)	80521	80524	80525	80526	80528	Overall
None - did not use	14%	16%	33%	49%	0%	30%
Less than ¼ of a cord	9%	52%	13%	35%	0%	18%
¼ to ½ a cord	0%	16%	32%	9%	0%	17%
½ to 1 cord	72%	0%	0%	6%	72%	21%
1 to 2 cords	0%	16%	20%	0%	28%	11%
2 to 3 cords	6%	0%	2%	0%	0%	2%
More than 3 cords	0%	0%	0%	0%	0%	0%

\*These percentages reflect only the respondents who indicated that their home had a wood burning appliance in the previous question.

Table 58:	Question 13a
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Please tell us if you have any of the following outdoor appliances (Percent "my home has")	80521	80524	80525	80526	80528	Overall
Wood burning fire pit/chiminea	5%	17%	22%	9%	37%	17%
Gas burning fire pit	2%	4%	4%	2%	3%	3%
Wood burning smoker	0%	0%	5%	1%	5%	2%
Gas burning smoker	9%	13%	8%	5%	5%	8%
Electric smoker	2%	2%	3%	2%	6%	3%
Charcoal smoker	11%	1%	5%	2%	5%	5%

## Table 59: Question 14

How long do you typically idle your car when you (Percent "never/NA" or "less than 1 minute")	80521	80524	80525	80526	80528	Overall
Warm up your car in cold weather	39%	46%	77%	72%	75%	64%
Are stopped while waiting for a train to pass	26%	41%	59%	65%	51%	51%
Are waiting in a drive-thru line	33%	58%	57%	34%	46%	45%
Are waiting to pick someone up (e.g., school pick-up)	57%	76%	80%	70%	62%	70%

# Table 60: Question 15

To help improve air quality in Fort Collins, City air quality programs and plans should: (percent						Overal
"strongly agree" or "somewhat agree")	80521	80524	80525	80526	80528	I
Do more to reduce indoor air pollution	82%	85%	76%	85%	46%	76%
Do more to reduce outdoor air pollution	92%	84%	89%	92%	66%	87%
Promote the use of alternative fuel vehicles	94%	94%	77%	90%	49%	82%
Invest in electric vehicle charging stations	88%	82%	71%	88%	49%	77%
Prohibit wood-burning on high-pollution days	60%	63%	69%	68%	51%	64%
Prohibit outdoor (e.g. backyard) wood burning	17%	46%	40%	40%	19%	33%
Do more to reduce the haze and improve visibility	70%	78%	82%	76%	63%	75%
Promote biking, walking or use of transit	89%	95%	91%	97%	77%	91%
Do more to enforce smoking regulations	66%	92%	87%	70%	55%	75%

What, if anything, should the City do to have a greater impact on the air quality in our community? (Percent that made a comment within that theme)	80521	80524	80525	80526	80528	Overall
Tighten regulations on idling/vehicle emissions/rolling coal	10%	16%	3%	4%	0%	6%
Increase/improve public transit; encourage alternative transportation modes	21%	1%	6%	5%	1%	8%
Improve traffic flow/reduce congestion/slow development and population growth	6%	3%	4%	1%	17%	5%
Mitigate pollution from agriculture/industry/oil and gas development	0%	2%	1%	2%	6%	2%
Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources	11%	1%	13%	8%	6%	9%
Do nothing/already too many ordinances/I don't approve of Climate Action Plan	7%	12%	2%	1%	19%	6%
Raise awareness/provide education to residents	1%	0%	7%	9%	3%	5%
Address issues with public smoking/indoor pollution	0%	2%	1%	1%	0%	1%
No comment	49%	61%	67%	60%	49%	59%
Other	5%	3%	2%	11%	2%	5%
Don't know	0%	0%	1%	1%	0%	1%

#### Table 61: Question 16

Verbatim responses have been categorized by theme; totals may equal more than 100% as some respondents wrote in more than one comment. The full text of the verbatim responses can be found in *Appendix D: Verbatim Responses to Open-Ended Questions*.

## Table 62: Question 17

How strongly do you agree or disagree with each of the following statements? (percent "strongly agree" or "somewhat agree")	80521	80524	80525	80526	80528	Overall
I have seen the impacts of climate change in Colorado	76%	91%	83%	80%	46%	77%
I know what small changes I could make in my life to affect climate change (e.g., increase energy efficiency)	93%	95%	96%	91%	67%	90%
I know what small changes I could make in my life to help improve community resiliency (e.g., prepare for extreme weather)	79%	72%	70%	81%	61%	74%
Our City should offer voluntary programs to help citizens and business increase energy efficiency and climate resiliency	95%	92%	95%	92%	69%	91%
Our City should enact ordinances and regulations intended to increase energy efficiency and climate resiliency	91%	73%	73%	72%	38%	72%
Our City should lead by example in cutting its own emissions to help achieve the community goals	96%	91%	95%	98%	75%	93%
Climate change is an urgent issue, it needs immediate action	90%	79%	82%	88%	40%	80%
Our City should invest in programs and create policies to address climate change	90%	77%	82%	88%	42%	80%
State and federal agencies should invest in programs and create policies to address climate change	90%	80%	85%	90%	48%	82%

How likely or unlikely would you be to help achieve the community's climate goals (percent "very likely" or "somewhat likely")	80521	80524	80525	80526	80528	Overall
If there were clear cost savings for my household	98%	94%	97%	98%	75%	94%
Even if it would cost my household more	80%	76%	63%	73%	46%	69%
If doing my part would not take a lot of my time	93%	92%	86%	86%	71%	86%
If my family or friends were also doing their part	96%	93%	90%	94%	69%	90%
If there was a clear environmental benefit for the community	97%	83%	94%	98%	71%	92%
If there was a clear economic benefit for the community	99%	94%	94%	97%	73%	93%
If there was a clear social or health benefit	94%	94%	95%	98%	75%	93%
If I knew my actions were helping accomplish the goals	95%	94%	91%	97%	66%	91%
If I knew our actions were inspiring other communities	91%	87%	85%	89%	51%	83%

## Table 63: Question 18

#### Table 64: Question 19

What, if anything, should the City do to have a greater impact on the issue of climate change or community resiliency in our community? (Percent that made a comment within that theme)	80521	80524	80525	80526	80528	Overall
Punish/fine/tax polluters, increase accountability/enforcement, or otherwise mitigate pollution	1%	8%	7%	00320	9%	4%
			.,.	• • •		.,
Increase/improve public transit; encourage alternative transportation; slow development	11%	4%	6%	11%	0%	7%
Invest in or incentivize environmentally friendly general practices/behaviors or energy sources	14%	21%	12%	4%	4%	11%
Do nothing/already too many ordinances/I don't believe in climate change	3%	2%	5%	1%	18%	5%
Raise awareness/provide education to residents	18%	12%	3%	8%	10%	9%
No comment	63%	61%	66%	72%	57%	65%
Other	0%	3%	2%	2%	5%	2%
Don't know	0%	0%	1%	3%	0%	1%

I currently recycle at the following level: (percent "at least once a month")	80521	80524	80525	80526	80528	Overall
Curbside recycling program	84%	91%	94%	89%	88%	90%
I use a drop-off site (such as 1903 S. Timberline Road)	14%	20%	13%	7%	13%	12%
Yard trimmings using my hauler's curbside collection service	12%	26%	17%	17%	34%	19%
Yard trimmings or food scraps at a drop-off site	1%	0%	2%	3%	9%	3%
Yard trimmings or food scraps in back-yard compost	7%	24%	26%	20%	11%	19%
Food scraps in kitchen sink garbage disposal	70%	71%	75%	71%	83%	74%
Electronic waste at a drop-off site or store	1%	1%	12%	10%	9%	8%

# Table 65: Question 20

# Table 66: Question 21

To help increase recycling I think: (percent "strongly agree" or "somewhat agree")	80521	80524	80525	80526	80528	Overall
It should be unlawful for businesses to deliberately throw recyclables in the trash	66%	72%	71%	84%	32%	69%
It should be unlawful for residents of multi-family apartments to deliberately throw recyclables in the trash	60%	71%	68%	80%	32%	66%
It should be unlawful for residents of single-family homes to deliberately throw recyclables in the trash	55%	71%	70%	78%	26%	64%
Restaurants should be required to have compost collection	86%	79%	71%	80%	35%	73%
Single-family households should have the option to pay a separate charge for curbside collection of food scraps and yard trimmings	79%	62%	84%	80%	66%	77%
Single-family households should get curbside collection of food scraps and yard trimmings bundled as part of basic trash and recycling service (i.e, no separate charge)	86%	89%	84%	89%	69%	84%
The City should ban the disposal of "green waste" in the trash (e.g., food, wood, leaves, branches, paper products)	48%	62%	41%	59%	20%	47%

What, if any, parts of the recycling system in Fort Collins don't work for you or need to be changed?						
(Percent that made a comment within that theme)	80521	80524	80525	80526	80528	Overall
More information/education/better enforcement needed	14%	0%	11%	8%	8%	9%
Larger/more recycling bins, more recycling locations, or more frequent recycling service	14%	13%	13%	7%	10%	11%
Different/cheaper payment structure needed	5%	3%	0%	2%	3%	2%
No changes necessary/positive comment	2%	11%	9%	3%	3%	6%
Make it easier/cheaper to recycle/dispose of hard-to-recycle materials	3%	2%	1%	3%	3%	2%
City should provide services	0%	4%	1%	0%	1%	1%
Less regulation/no new programs/programs should be voluntary	1%	1%	3%	0%	9%	2%
Offer compost/yard waste collection	0%	5%	1%	6%	1%	3%
No comment	61%	63%	70%	72%	61%	66%
Other	1%	1%	1%	2%	10%	2%
Don't know	0%	0%	1%	1%	1%	1%

# Table 67: Question 22

## Table 68: Question 23

	80521	80524	80525	80526	80528	Overall
How often do you shop at local Farmers Markets or Community Supported Agriculture produce						
stands? (Percent "at least once a year")	81%	85%	76%	87%	71%	80%

# Table 69: Question 24

How much do you agree or disagree with the following statements: (percent "strongly agree" or						
"somewhat agree")	80521	80524	80525	80526	80528	Overall
It is important for the community to have access to local food	96%	96%	99%	99%	91%	97%
Our city should offer voluntary programs to help residents and businesses increase access to local						
foods	86%	95%	88%	98%	68%	88%
Our city should enact ordinances and regulations intended to increase access to local food	74%	73%	58%	69%	26%	62%

## Table 70: Question 25

	80521	80524	80525	80526	80528	Overall
Should the City play a role in ensuring the availability of locally grown food? (Percent "yes")	87%	84%	71%	79%	37%	74%

# **Appendix C: Responses to Select Survey Questions by Respondent Characteristics**

The tables on the following pages show responses to select questions compared by respondent demographic characteristics. Shading indicates statistically significant differences in responses between respondents ( $p \le .05$ ).

The City offers a variety of specific programs and events	Leng	th of resi	dency		Age		Hous	0		Sex		Annual hous	ehold incom	ie	
that address air quality and environmental issues. Do you recall hearing about, or participating in, any of the following? (percent "participated")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$60,000	\$60,000 to \$99,999	\$100,000 or more	Overall
Anti-Idling signs, posters, or ads (e.g., signs at train stops or schools)	58%	74%	73%	72%	58%	67%	67%	66%	64%	69%	76%	67%	60%	59%	67%
Lawn Mower Rebate Program	23%	37%	56%	24%	36%	61%	25%	47%	35%	37%	48%	14%	45%	48%	37%
Radon testing and mitigation	50%	73%	77%	59%	71%	75%	52%	78%	74%	60%	51%	61%	76%	70%	66%
Zero Interest Loans for wood stoves/radon/mold	12%	17%	32%	10%	20%	33%	10%	26%	17%	22%	18%	7%	21%	35%	19%
Healthy Homes Indoor Air Quality assessments	42%	42%	56%	45%	43%	57%	46%	48%	46%	49%	66%	49%	43%	46%	47%
Climate Action goals	56%	46%	60%	60%	39%	60%	59%	51%	51%	57%	65%	58%	55%	53%	54%
Christmas Tree Recycling Program	81%	70%	95%	74%	84%	91%	78%	84%	80%	82%	83%	79%	83%	88%	82%
Leaf Exchange Program	34%	45%	74%	38%	53%	68%	42%	57%	51%	49%	36%	50%	52%	65%	50%
Timberline Recycling Center	66%	76%	83%	66%	80%	83%	69%	79%	75%	74%	89%	65%	73%	81%	74%

#### Table 71: Question 1

						TUDIC	72. QU	icotioi							
					_		Hou	U		_					
Please check all the places	Leng	th of resi	dency		Age		ten	ure		Sex		Annual hous	ehold incom	e	
you have seen information	5		More												
about Fort Collins' air	years		than	18	35						Less	\$25,000	\$60,000		
quality, climate or recycling	or	6-20	20	to	to		Rent/				than	to	to	\$100,000	
programs. (Percent "yes")	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$60,000	\$99,999	or more	Overall
Social media	21%	30%	14%	31%	26%	9%	25%	23%	23%	24%	29%	18%	29%	23%	24%
TV	10%	4%	13%	10%	9%	7%	13%	6%	6%	12%	25%	3%	2%	8%	9%
Radio	11%	20%	18%	29%	9%	12%	18%	18%	22%	14%	23%	21%	18%	14%	18%
The Coloradoan	38%	60%	69%	49%	54%	66%	54%	57%	52%	58%	48%	49%	67%	62%	55%
Schools/colleges	40%	4%	15%	43%	7%	4%	38%	8%	21%	23%	56%	14%	20%	7%	21%
Utility bill insert/City															
News	48%	84%	85%	62%	73%	80%	56%	82%	72%	68%	66%	58%	77%	82%	70%
Fliers/brochures	37%	34%	26%	43%	30%	28%	39%	31%	36%	33%	28%	52%	34%	29%	34%
Program or event	11%	12%	11%	17%	8%	13%	14%	12%	13%	13%	8%	34%	4%	6%	13%
E-newsletters/email	10%	6%	12%	7%	9%	14%	7%	10%	11%	6%	12%	9%	7%	9%	9%
Word of mouth	34%	36%	33%	45%	37%	19%	38%	34%	40%	31%	41%	45%	27%	36%	36%
City of Fort Collins															
website (fcgov.com)	26%	46%	35%	36%	42%	28%	35%	36%	42%	29%	41%	35%	37%	27%	35%
Other (please specify)	16%	5%	3%	15%	3%	4%	12%	5%	6%	10%	14%	10%	5%	3%	8%

# Table 72: Question 2

# Table 73: Question 3

Overall, how would you rate the	Leng	th of resi	dency		Age		Hous tenu	0	9	Sex		Annual hous	ehold income	2	
, following? (percent	5		More		18 to 35 to							\$25,000	\$60,000		
"excellent" or	years	6-20	than 20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
"good")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25 <i>,</i> 000	\$60,000	\$99,999	or more	Overall
Quality of outdoor															
air in Fort Collins	81%	85%	87%	85%	84%	82%	88%	81%	86%	83%	98%	70%	90%	80%	84%
Quality of indoor															
air in Fort Collins	75%	89%	90%	84%	84%	87%	82%	87%	87%	83%	87%	75%	96%	80%	85%

						Tab	ie 74. C	lucsul	лі <del>ч</del>						
							Hous	sing							
Does anyone in your	Leng	th of resid	dency		Age		tenı	ıre		Sex		Annual hous	ehold incom	e	
household experience			More												
the following	5		than									\$25,000	\$60,000		
respiratory ailments?	years	6-20	20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
(percent "yes")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$60,000	\$99,999	or more	Overall
Asthma	95%	86%	73%	100%	82%	67%	90%	80%	80%	90%	78%	94%	82%	80%	85%
Emphysema	0%	0%	4%	0%	0%	5%	3%	0%	2%	0%	6%	0%	0%	0%	1%
Heart disease	2%	9%	22%	0%	7%	30%	11%	11%	14%	8%	24%	4%	11%	12%	11%
Other	2%	11%	9%	0%	11%	15%	2%	13%	8%	8%	4%	2%	15%	11%	8%

# Table 74: Question 4

# Table 75: Question 4

					Δσο		Hous	ing							
	Leng	th of resi	dency		Age		tenu	ire		Sex		Annual hous	ehold income		
			More									\$25,000	\$60,000		
	5 years	6-20	than 20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
Percent "yes"	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$60,000	\$99,999	or more	Overall
Any of the															
respiratory															
ailments	22%	31%	27%	21%	29%	31%	27%	26%	28%	25%	29%	26%	22%	28%	26%

						Table	e 76: Qi	Jestio	15						
How strongly do you							Hous	•							
agree or disagree with	Leng	th of resid	dency		Age		tenı	ure		Sex		Annual hous	ehold incom	ie	
each of the following			More												
statements? (percent	5		than								Less	\$25,000	\$60,000		
"strongly agree" or	years	6-20	20	18 to	35 to		Rent/				than	to	to	\$100,000	
"somewhat agree")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$60,000	\$99,999	or more	Overall
Air quality is important															
for my overall quality															
of life	100%	97%	95%	97%	96%	99%	99%	96%	97%	98%	100%	99%	98%	91%	98%
The City of Fort Collins															
should work to															
improve air quality	94%	83%	88%	92%	81%	93%	94%	85%	89%	89%	98%	97%	88%	73%	89%
I am concerned about															
the effects of outdoor															
air quality on my															
health	85%	73%	79%	83%	75%	78%	82%	77%	77%	82%	80%	94%	80%	63%	79%
I am concerned about															
the effects of indoor															
air quality on my															
health	88%	78%	76%	87%	74%	80%	84%	78%	78%	83%	83%	94%	78%	69%	81%
I am concerned about															
the effects of air															
quality on sensitive															
populations, such as															
children and the															
elderly	94%	83%	88%	89%	87%	90%	86%	91%	91%	87%	83%	98%	85%	86%	89%
I am concerned about															
the effects of air															
quality on the															
environment	96%	81%	87%	93%	82%	88%	93%	85%	90%	87%	96%	96%	84%	78%	89%
Mountain views are															
obscured by the air															
pollution in Fort															
Collins	25%	37%	46%	24%	37%	53%	20%	48%	38%	31%	27%	39%	38%	42%	35%
Air pollution in Fort															
Collins hurts the local															
economy	54%	47%	33%	53%	30%	50%	40%	48%	46%	44%	41%	55%	48%	35%	45%
	5470	7770	5570	55/5	0.070	5070	4070	10/0	10/0		41/0	5570	-0/0		

# Table 76: Question 5

How strongly do you agree or disagree with	Lengt	th of resid	dency		Age		Hou	0		Sex		Annual hous	sehold incom	ie	
each of the following statements? (percent	5		, More than								Less	\$25,000	\$60,000		
"strongly agree" or "somewhat agree")	years or less	6-20 years	20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	than \$25,000	to \$60,000	to \$99,999	\$100,000 or more	Overall
Air pollution in Fort		,	,								+	+			
Collins makes the air smell bad	61%	44%	40%	66%	35%	41%	59%	41%	54%	44%	60%	64%	43%	35%	49%
I feel a personal obligation to help improve the air quality															
in Fort Collins	81%	81%	84%	87%	74%	84%	86%	78%	86%	79%	92%	87%	86%	75%	82%
I know what small changes I can make to help improve air															
quality	93%	72%	81%	89%	71%	86%	92%	75%	82%	85%	93%	88%	84%	69%	83%

# Table 77: Question 6

	Leng	th of resi	dency		Age		Hous tent	0		Sex		Annual hous	ehold incom	e	
Please circle one number for each question below (percent "yes")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$60,000	\$60,000 to \$99,999	\$100,000 or more	Overall
Have you ever experienced unacceptable outdoor air quality in Fort Collins?	38%	39%	48%	32%	42%	53%	32%	47%	35%	46%	21%	48%	46%	52%	41%
Have you ever experienced unacceptable indoor air quality in your home?	24%	12%	16%	19%	14%	15%	11%	20%	14%	19%	6%	18%	21%	20%	16%

						Tab	le 78: 0	Questio	on 7						
	Leng	th of resid	dency		Age		Hous tenu	U		Sex		Annual hous	ehold incom	е	
Percent "yes"	5 years or less	6-20 years	More than 20 years				Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$60,000	\$60,000 to \$99,999	\$100,000 or more	Overall
Do you think more can be done to maintain or improve the outdoor air quality in Fort															
Collins? (Check one)	93%	75%	88%	93%	75%	82%	88%	83%	87%	85%	88%	97%	82%	74%	86%

# Table 79: Question 8

	Leng	Length of residency 5 More			Age		Hou ten	U	9	Sex		Annual hous	ehold incom	e	
Air pollution in Fort Collins affects me because it (percent "strongly agree" or "somewhat agree")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$60,000	\$60,000 to \$99,999	\$100,000 or more	Overall
Triggers allergies/respiratory problems, eye/nose irritation	75%	67%	65%	73%	67%	68%	76%	64%	73%	68%	82%	82%	62%	53%	69%
Causes long-term respiratory problems	82%	58%	60%	70%	60%	65%	69%	62%	66%	67%	86%	56%	72%	54%	66%
Causes health problems for family members and/or pets	73%	48%	53%	54%	59%	64%	61%	54%	56%	59%	68%	62%	55%	52%	57%
Obscures mountain views	49%	47%	56%	46%	49%	55%	43%	54%	50%	48%	48%	45%	64%	42%	49%
Affects my indoor air quality	76%	50%	55%	62%	53%	62%	62%	56%	57%	62%	63%	66%	60%	52%	59%

						Iable	80. Qu	estion	9						
Please rate your level of concern for the air	Leng	th of resi	dency		Age		Hou: ten	0	9	Sex		Annual hous	ehold incom	ie	
pollutants listed as they relate to you and your family's day-to-day health and environment: (percent "very serious" or	5 years or	6-20	More than 20	18 to 34	35 to 54	55.	Rent/	0	Mala	Famala	Less than	\$25,000 to	\$60,000 to	\$100,000	Querrall
"somewhat serious") Gasoline/diesel vehicle	less	years	years			55+	lease	Own	Male	Female	\$25,000	\$60,000	\$99,999	or more	Overall
emissions from driving	94%	80%	71%	92%	69%	83%	90%	76%	83%	83%	96%	93%	76%	70%	83%
Vehicle idling	91%	76%	73%	89%	70%	80%	89%	73%	85%	78%	94%	93%	72%	67%	81%
"Rolling coal" from modified vehicle tailpipes	89%	77%	80%	84%	74%	90%	87%	79%	84%	81%	99%	87%	76%	69%	83%
Wood smoke from indoor fireplaces or stoves	40%	32%	52%	31%	42%	64%	33%	49%	35%	50%	31%	48%	41%	50%	42%
Wood smoke from residential outdoor burning	51%	30%	48%	37%	41%	60%	40%	46%	34%	54%	44%	53%	41%	42%	43%
Second-hand smoke (e.g., tobacco/nicotine products)	84%	62%	76%	84%	62%	74%	76%	74%	76%	74%	84%	83%	65%	69%	75%
Ground-level ozone	88%	71%	66%	82%	68%	71%	81%	71%	73%	80%	73%	90%	78%	58%	76%
Dust or particles	80%	66%	64%	79%	61%	67%	78%	64%	70%	73%	91%	71%	60%	64%	71%
Industrial Emissions	88%	73%	74%	88%	72%	73%	89%	70%	84%	76%	87%	87%	75%	68%	79%
Other	93%	76%	68%	100%	53%	66%	90%	75%	87%	68%	91%	88%	87%	70%	82%

# Table 80: Question 9

						100	C 01. Q	acotio	11 10						
	Lana	*			A = -		Hous	0				Annualhau		-	
	Leng	th of resid			Age	1	tenı	ire		Sex		Annual nous	sehold incom	e	-
Please circle one number for each question below (percent "yes").	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$60,000	\$60,000 to \$99,999	\$100,000 or more	Overall
Has your home ever been tested for radon?	49%	66%	60%	41%	72%	60%	27%	71%	63%	55%	28%	40%	67%	74%	58%
Does your home have a radon mitigation system?	39%	40%	30%	29%	44%	35%	15%	44%	40%	33%	17%	18%	45%	41%	36%
Do you have a carbon monoxide alarm?	98%	86%	80%	88%	90%	89%	84%	92%	84%	95%	85%	78%	96%	98%	89%
Does your home have a fire/smoke alarm that has been replaced in the past 5 years?	98%	90%	73%	94%	87%	80%	96%	81%	91%	84%	95%	94%	79%	85%	87%
Does your family have a fire escape plan?	55%	75%	61%	68%	57%	70%	65%	64%	70%	59%	69%	68%	66%	56%	65%
Does your home have a mold problem?	0%	1%	3%	0%	4%	0%	1%	1%	0%	3%	3%	2%	1%	0%	1%

# Table 81: Question 10

						Table	02. Q								
In the table below, please tell us about	leng	th of resi	dency		Age		Hous tenu	0		Sex		Annual hous	ehold incom	٩	
each home heating	20116		More		1.50										
appliance that you have	5	6.20	than	10 +-	25 44		Dent/					\$25,000	\$60,000	ć100.000	
<ul> <li>my home has: (percent "my home has")</li> </ul>	years or less	6-20 years	20 vears	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	to \$60,000	to \$99,999	\$100,000 or more	Overall
Wood burning		,	,												
appliance (fireplace or stove)	20%	31%	12%	28%	19%	14%	20%	25%	26%	19%	8%	31%	40%	12%	22%
Pellet burning															
appliance (fireplace or stove)	3%	6%	0%	5%	1%	0%	5%	1%	3%	3%	5%	6%	0%	2%	3%
Gas burning															
appliance fireplace or stove)	47%	50%	65%	52%	51%	62%	52%	57%	57%	52%	67%	38%	60%	70%	53%
Coal-burning appliance (fireplace															
or stove)	4%	4%	0%	6%	0%	1%	6%	0%	3%	3%	0%	10%	1%	0%	3%
Electric heat	64%	38%	30%	61%	45%	18%	61%	34%	43%	49%	54%	65%	37%	31%	45%
Other	4%	5%	6%	2%	1%	14%	5%	4%	3%	7%	12%	4%	4%	2%	5%
No indoor appliances															
chosen	9%	11%	16%	8%	15%	14%	8%	14%	12%	11%	7%	10%	9%	8%	13%

## Table 82: Question 11a

If you use a wood burning							Hous	sing							
fireplace or stove for heat,	Leng	th of resi	dency		Age		teni	ure	!	Sex		Annual hous	ehold incom	e	
how much wood do you				İ											
typically burn in a year?															
(Note: A cord is a stack 4															
feet wide by 4 feet high by	5		More												
8 feet long.) (Percent that	years		than	18	35						Less	\$25,000	\$60,000		
made a comment within	or	6-20	20	to	to		Rent/				than	to	to	\$100,000	
that theme)	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
None - did not use	4%	41%	86%	26%	16%	66%	21%	36%	34%	22%	0%	51%	11%	51%	30%
Less than ¼ of a cord	48%	5%	0%	20%	23%	6%	21%	16%	16%	23%	83%	0%	23%	20%	18%
¼ to ½ a cord	7%	30%	6%	14%	33%	9%	4%	26%	27%	4%	0%	0%	37%	7%	17%
½ to 1 cord	21%	11%	0%	31%	6%	0%	36%	11%	16%	29%	0%	39%	11%	16%	21%
1 to 2 cords	20%	10%	0%	10%	21%	4%	15%	9%	6%	19%	0%	8%	18%	6%	11%
2 to 3 cords	0%	2%	8%	0%	0%	15%	3%	1%	2%	3%	17%	2%	0%	0%	2%
More than 3 cords	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## Table 83: Question 12

## Table 84: Question 13a

Please tell us if you	Leng	th of resi	dency		Age		Hous tenu	U		Sex		Annual hous	ehold incom	е	
have any of the following outdoor appliances (Percent "my home has")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$59,999	\$60,000 to \$99,999	\$100,000 or more	Overall
Wood burning fire pit/chiminea	4%	31%	15%	8%	29%	16%	1%	29%	18%	15%	1%	12%	25%	32%	17%
Gas burning fire pit	0%	4%	6%	0%	7%	5%	0%	6%	3%	4%	0%	2%	2%	10%	3%
Wood burning smoker	4%	2%	1%	2%	3%	3%	0%	4%	1%	4%	0%	5%	1%	5%	2%
Gas burning smoker	4%	16%	2%	13%	5%	2%	8%	8%	11%	5%	7%	8%	4%	7%	8%
Electric smoker	1%	3%	6%	0%	6%	5%	1%	5%	2%	4%	0%	1%	4%	7%	3%
Charcoal smoker	3%	4%	3%	6%	1%	8%	5%	5%	7%	4%	1%	13%	3%	4%	5%
No outdoor appliances chosen	87%	47%	74%	73%	56%	73%	86%	52%	64%	71%	92%	65%	68%	46%	68%

							ic 05. 0	(0.000.0							
Here here de com	Leng	th of resid	dency		Age		Hous tenu	U		Sex		Annual hous	ehold incom	0	
How long do you															-
typically idle your car			More												
when you (percent	5		than									\$25,000	\$60,000		
"never/NA" or "less	years	6-20	20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
than 1 minute")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
Warm up your car in															
cold weather	57%	69%	69%	55%	63%	80%	53%	72%	64%	63%	44%	66%	64%	76%	64%
Are stopped while															
waiting for a train to															
pass	45%	57%	56%	55%	43%	53%	46%	54%	55%	46%	44%	38%	64%	48%	51%
Are waiting in a															
drive-thru line	39%	59%	40%	38%	44%	60%	32%	55%	43%	47%	39%	38%	59%	56%	45%
Are waiting to pick															
someone up (e.g.,															
school pick-up)	66%	72%	77%	60%	70%	87%	64%	75%	66%	73%	51%	73%	82%	80%	70%

# Table 85: Question 14

						Table	00. UI	lestion	113						
To help improve air							Hous	sing							
quality in Fort Collins,	Lengt	h of resid	dency		Age		tenı	ure	9	Sex		Annual hous	ehold incom	e	
City air quality															
programs and plans			More												
should: (percent	5		than								Less	\$25,000	\$60,000		
"strongly agree" or	years	6-20	20	18 to	35 to		Rent/				than	to	to	\$100,000	
"somewhat agree")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
Do more to reduce															
indoor air pollution	82%	68%	80%	87%	70%	69%	82%	72%	79%	75%	90%	85%	69%	65%	76%
Do more to reduce															
outdoor air pollution	98%	76%	88%	94%	82%	84%	93%	82%	86%	90%	97%	90%	90%	72%	87%
· · · · ·	3070	7078	0070	9470	0270	0470	9370	0270	8076	50%	9770	3078	3078	7270	0770
Promote the use of															
alternative fuel															
vehicles	95%	76%	75%	95%	72%	73%	95%	72%	83%	83%	97%	89%	85%	69%	82%
Invest in electric															
vehicle charging															
stations	86%	76%	68%	90%	67%	70%	89%	68%	80%	76%	97%	80%	83%	59%	77%
Prohibit wood-															
burning on high-															
pollution days	62%	59%	81%	53%	64%	84%	57%	70%	62%	67%	65%	74%	56%	70%	64%
· · · ·	0270	59%	0170	55%	04%	0470	57%	70%	02%	0770	05%	7470	50%	70%	04%
Prohibit outdoor															
(e.g. backyard) wood															
burning	27%	33%	45%	20%	36%	55%	19%	45%	27%	40%	22%	41%	32%	39%	33%
Do more to reduce															
the haze and															
improve visibility	74%	68%	85%	76%	72%	78%	70%	79%	80%	72%	66%	79%	79%	69%	75%
Promote biking,															
walking or use of															
transit	100%	89%	84%	100%	84%	85%	96%	87%	92%	92%	96%	95%	93%	86%	91%
	10070	0970	0470	100%	0470	0370	3078	0770	92/0	92/0	3070	3570	3570	0070	91/0
Do more to enforce															
smoking regulations	76%	71%	77%	77%	74%	74%	74%	76%	77%	75%	73%	81%	71%	70%	75%

# Table 86: Question 15

What, fi anything, should be City do to have a greater impact on the air quality in our community?         Lengt betweetive.         Housing 4 = 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +						1	able o	7: Que	SUOT							
Impact on the air quality in our community?         5 years         More than         18 18         35 to to         Rent/ to         Own         Male         Female         S25,000 than         \$60,000 to to         \$100,000 or more         Overall           (percent that made a community?         iess         years         years         34         54         55+         lease         functional         \$25,000         \$50,909         \$99,999         Overall           Tighten regulations on idling/vehicle         iess         5%         8%         6%         5%         5%         9%         3%         5%         7%         19%         3%         5%         1%         6%           Increase/improve public transit; encourage alternative transportation modes         12%         8%         2%         12%         4%         6%         13%         3%         7%         9%         6%         19%         3%         4%         8%           Improve trafic flow/reduce congestion/slow development and population growth         2%         7%         5%         2%         9%         3%         5%         5%         3%         3%         1%         10%         3%         5%           Improve trafic flow/reduce congestion/slow development         2%         7%									0							
our community? (Percent that made a comment within that theme)         years of 6-20 bit of 20 to	,		th of resid	dency		Age		tenı	ure		Sex		Annual hous	ehold incom	ne	
(percent hat made a comment within that theme)         less         6-20         20         to         to         to         Rent/         Lease         Own         Male         Female         52.00         55.9.999         59.999         orn more         Overall           comment within that theme)         iess         years         years         iess	impact on the air quality in	5		More												
comment within that theme)         less         years         years         34         54         54         lease         Own         Male         Female         \$25,000         \$59,999         \$99,999         or more         Overall           Tighten regulations on idling/vehicle         5%         8%         6%         6%         5%         7%         9%         3%         5%         19%         3%         5%         1%         6%           increase/improve public transity encourage alternative transportation modes         12%         8%         2%         12%         4%         6%         13%         3%         7%         9%         6%         19%         3%         5%         1%         6%           Improve traffic flow/reduc congestion/slow development and population growth         2%         7%         5%         2%         9%         3%         5%         5%         3%         3%         1%         10%         3%         5%         2%         3%         5%         5%         3%         3%         1%         1%         3%         5%         5%         3%         3%         1%         1%         3%         5%         3%         3%         1%         1%         3%         5%	,	years			18	35						Less	\$25,000	\$60,000		
Tighten regulations on idling/vehicle       5%       8%       6%       5%       7%       9%       3%       5%       7%       19%       3%       5%       1%       6%         Increase/improve public transit; encourage alternative transportation modes       12%       8%       2%       12%       4%       6%       13%       3%       7%       9%       6%       19%       3%       5%       1%       6%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       3%       3%       1%       10%       3%       5%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       0%       2%       3%       0%       3%       3%       0%       0%       0%       0%       5%       0%       2%       2%       0%       2%       3%       0%       3%       3%       0%       0%       0%       0%       2%       2%       0%       3%       0%       0%       0%       0%       2%       2%       0%       2%       3%       0%       0%       0%       0%       2%       2%       2%		or	6-20	20				Rent/							\$100,000	
idling/vehicle       5%       5%       6%       6%       5%       7%       9%       3%       5%       7%       1%       5%       1%       5%       1%       6%         Increase/improve public transit; encourage alternative transportation modes       12%       8%       2%       12%       4%       6%       13%       3%       7%       9%       6%       19%       3%       4%       8%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       1%       1%       3%       5%       5%       3%       3%       1%       10%       3%       4%       8%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       0%       2%       3%       0%       3%       5%       5%       3%       1%       10%       3%       5%       5%       5%       3%       0% <t< td=""><td>comment within that theme)</td><td>less</td><td>years</td><td>years</td><td>34</td><td>54</td><td>55+</td><td>lease</td><td>Own</td><td>Male</td><td>Female</td><td>\$25,000</td><td>\$59,999</td><td>\$99,999</td><td>or more</td><td>Overall</td></t<>	comment within that theme)	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
emissions/rolling coal       5%       8%       6%       5%       7%       9%       3%       5%       1%       3%       5%       1%       6%         Increase/improve public transity encourage alternative transportation modes       12%       8%       2%       12%       4%       6%       13%       3%       7%       9%       6%       19%       3%       4%       8%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       3%       3%       1%       4%       8%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       1%       10%       3%       5%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       7%       2%       2%       3%       1%       5%       5%       5%       3%       0%       0%       0%       0%       5%       0%       2%       2%       0%       2%       3%       1%       1%       1%       1%       1%       1%       1%       1%       1% <td>Tighten regulations on</td> <td></td>	Tighten regulations on															
Increase/improve public transit; encourage alternative transportation modes 12% 8% 2% 12% 4% 6% 13% 3% 7% 9% 6% 19% 3% 4% 8% Improve traffic flow/reduce congestion/slow development and population growth 2% 7% 5% 2% 9% 3% 5% 5% 5% 5% 3% 3% 1% 10% 3% 5% Mitigate pollution from agriculture/industry/oil and gas development 2% 2% 2% 0% 2% 3% 0% 3% 3% 0% 0% 0% 0% 0% 5% 0% 2% Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources 5% 21% 3% 15% 5% 4% 9% 10% 15% 3% 2% 20% 12% 3% 9% Do nothing/already too many ordinances/I don't approve of Climate Action Plan	idling/vehicle															
transit: encourage alternative transportation modes12%8%2%12%12%4%6%13%3%7%9%6%19%3%4%8%Improve traffic flow/reduce congestion/slow development and population growth2%7%5%2%9%3%5%5%5%3%3%1%10%3%5%5%Mitigate pollution from agriculture/industry/oil and gas development2%2%2%0%2%3%0%3%3%0%0%0%5%0%2%Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources2%21%3%15%5%3%0%15%3%2%20%12%3%9%Do nothing/already too many ordinances/I don' plan1%3%16%5%5%5%5%6%5%0%1%10%11%6%	emissions/rolling coal	5%	8%	6%	6%	5%	7%	9%	3%	5%	7%	19%	3%	5%	1%	6%
alternative transportation modes       12%       8%       2%       12%       4%       6%       13%       3%       7%       9%       6%       19%       3%       4%       8%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       2%       2%       3%       5%       5%       5%       3%       0%       0%       0%       5%       5%       5%       3%       1%       10%       3%       5%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       5%       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       5%       21%       5%       5%       4%       9%	Increase/improve public															
modes       12%       8%       2%       12%       4%       6%       13%       3%       7%       9%       6%       19%       3%       4%       8%         Improve traffic flow/reduce congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%       5%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       5%       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/1 don't approve of Climate Action Plan       1%       3%       16%       5%       5%       9%       3%       6%       5%       0%       10%       1%       10%       11%       6%	transit; encourage															
Improve traffic flow/reduce congestion/slow development and population growth         2%         7%         5%         2%         9%         3%         5%         5%         3%         3%         1%         10%         3%         5%           Mitigate pollution from agriculture/industry/oil and gas development         2%         2%         0%         2%         3%         0%         3%         0%         0%         0%         5%         0%         2%         2%         2%         2%         2%         3%         0%         3%         0%         0%         0%         0%         5%         0%         2%         2%         2%         2%         2%         2%         3%         0%         3%         3%         0%         0%         0%         0%         5%         0%         2%           Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources         21%         3%         15%         5%         4%         9%         10%         15%         3%         2%         20%         12%         3%         9%           Do nothing/already too many ordinances/l don't approve of Climate Action Plan         1%         3%         16%         5%         5%         5%         6%         5%	alternative transportation															
congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       0%       2%       3%       0%       3%       3%       0%       0%       3%       5%       5%       3%       3%       1%       10%       3%       5%       5%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       2%       9%       10%       15%       3%       2%       2%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/I don't approve of Climate Action Plan       1%       3%       16%       5%       5%       3%       6%       5%       0%       1%       10%       11%       6%	modes	12%	8%	2%	12%	4%	6%	13%	3%	7%	9%	6%	19%	3%	4%	8%
congestion/slow development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       0%       2%       3%       0%       3%       3%       0%       0%       3%       5%       5%       3%       3%       1%       10%       3%       5%       5%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       2%       9%       10%       15%       3%       2%       2%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/I don't approve of Climate Action Plan       1%       3%       16%       5%       5%       3%       6%       5%       0%       1%       10%       11%       6%	Improve traffic flow/reduce															
development and population growth       2%       7%       5%       2%       9%       3%       5%       5%       5%       3%       3%       1%       10%       3%       5%         Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       2%       0%       2%       3%       0%       3%       0%																
population growth         2%         7%         5%         2%         9%         3%         5%         5%         3%         3%         1%         10%         3%         5%           Mitigate pollution from agriculture/industry/oil and gas development         2%         2%         0%         2%         3%         0%         3%         3%         0%	<b>.</b>															
Mitigate pollution from agriculture/industry/oil and gas development       2%       2%       2%       2%       2%       0%       2%       3%       0%       3%       3%       0%       0%       0%       5%       0%       2%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       5%       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/l don't approve of Climate Action Plan       1%       3%       16%       5%       5%       9%       3%       6%       5%       0%       1%       10%       11%       6%	-	2%	7%	5%	2%	9%	3%	5%	5%	5%	3%	3%	1%	10%	3%	5%
agriculture/industry/oil and gas development       2%       2%       2%       0%       2%       3%       0%       3%       0%       0%       0%       0%       5%       0%       2%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       Image: Simple		270			2/0	370	370	370	370	370			1/0	10/0		370
gas development       2%       2%       2%       0%       2%       3%       0%       3%       0%       0%       0%       5%       0%       2%         Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources       Image: Signal Sign	•															
Invest in or incentivize electric/alternative fuel vehicles or renewable/efficient energy sources 5% 21% 3% 15% 5% 4% 9% 10% 15% 3% 2% 20% 12% 3% 9% Do nothing/already too many ordinances/I don't approve of Climate Action Plan 1% 3% 16% 5% 5% 9% 3% 8% 6% 5% 0% 1% 10% 11% 6%	•	20/	20/	20/	00/	20/	20/	00/	20/	20/	00/	00/	00/	<b>F</b> 0/	00/	20/
electric/alternative fuel vehicles or renewable/efficient energy sourcesImage: Signal systemImage: Signal system <td></td> <td>2%</td> <td>2%</td> <td>2%</td> <td>0%</td> <td>2%</td> <td>3%</td> <td>0%</td> <td>3%</td> <td>3%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>5%</td> <td>0%</td> <td>Z%</td>		2%	2%	2%	0%	2%	3%	0%	3%	3%	0%	0%	0%	5%	0%	Z%
vehicles or renewable/efficient energy sources       5%       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/l don't approve of Climate Action Plan       Image: Simple Simp																
renewable/efficient energy sources 5% 21% 3% 15% 5% 4% 9% 10% 15% 3% 2% 20% 12% 3% 9% Do nothing/already too many ordinances/I don't approve of Climate Action Plan 1% 3% 16% 5% 5% 9% 3% 8% 6% 5% 0% 1% 10% 10% 11% 6%																
sources       5%       21%       3%       15%       5%       4%       9%       10%       15%       3%       2%       20%       12%       3%       9%         Do nothing/already too many ordinances/l don't approve of Climate Action Plan       Image: Signature of the signate of the signature of the signature of the s																
Do nothing/already too many ordinances/I don't approve of Climate Action       Image: Climate Action	renewable/efficient energy															
many ordinances/I don't approve of Climate Action       Image: Climate Action	sources	5%	21%	3%	15%	5%	4%	9%	10%	15%	3%	2%	20%	12%	3%	9%
approve of Climate Action         1%         3%         16%         5%         9%         3%         6%         5%         0%         1%         10%         11%         6%	Do nothing/already too															
Plan         1%         3%         16%         5%         9%         3%         8%         6%         5%         0%         1%         10%         11%         6%	many ordinances/I don't															
Plan         1%         3%         16%         5%         9%         3%         8%         6%         5%         0%         1%         10%         11%         6%	approve of Climate Action															
	Plan	1%	3%	16%	5%	5%	9%	3%	8%	6%	5%	0%	1%	10%	11%	6%
Raise awareness/provide	Raise awareness/provide															
education to residents 10% 3% 2% 6% 5% 4% 8% 3% 4% 6% 10% 7% 5% 1% 5%	· •	10%	3%	2%	6%	5%	4%	8%	3%	4%	6%	10%	7%	5%	1%	5%
Address issues with public	Address issues with public															
smoking/indoor pollution 1% 0% 2% 0% 0% 4% 1% 1% 0% 1% 0% 1% 2% 0% 1%	•	1%	0%	2%	0%	0%	4%	1%	1%	0%	1%	0%	1%	2%	0%	1%
No comment 64% 47% 62% 55% 61% 61% 53% 62% 53% 65% 59% 45% 48% 77% 59%	No comment	64%	47%	62%	55%	61%	61%	53%	62%	53%	65%	59%	45%	48%	77%	59%
Other         3%         8%         4%         6%         6%         3%         6%         4%         5%         5%         3%         14%         3%         2%         5%	Other	3%	8%	4%	6%	6%	3%	6%	4%	5%	5%	3%	14%	3%	2%	5%
Don't know         0%         1%         0%         0%         2%         1%         0%         1%         0%         1%         2%         0%         1%	Don't know	0%	1%	1%	0%	0%	2%	1%	0%	1%	0%	0%	1%	2%	0%	1%

# Table 87: Question 16

						Table	00. UI	lestion	11/						
How strongly do you							Hous	sing							
agree or disagree with	Leng	th of resid	dency		Age		tenı	ure	9	Sex		Annual hous	ehold incom	e	
each of the following	5		More												
statements? (percent	years		than								Less	\$25,000	\$60,000		
"strongly agree" or	or	6-20	20	18 to	35 to		Rent/				than	to	to	\$100,000	
"somewhat agree")	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
I have seen the															
impacts of climate															
change in Colorado	85%	74%	78%	86%	62%	78%	78%	76%	81%	74%	86%	85%	74%	70%	77%
	0370	7470	7070	0070	0270	7070	7070	7070	01/0	7470	0070	0370	7470	7070	7770
I know what small															
changes I could make															
in my life to affect															
climate change (e.g.,															
increase energy															
efficiency)	99%	84%	86%	98%	83%	84%	93%	88%	93%	88%	96%	96%	92%	84%	90%
I know what small															
changes I could make															
in my life to help															
improve community															
resiliency (e.g.,															
prepare for extreme															
weather)	80%	65%	79%	79%	68%	74%	82%	66%	69%	79%	86%	80%	62%	69%	74%
· · · · · · · · · · · · · · · · · · ·	00%	05%	79%	79%	00%	74%	0270	00%	09%	79%	00%	00%	0270	09%	7470
Our City should offer															
voluntary programs															
to help citizens and															
business increase															
energy efficiency and															
climate resiliency	97%	86%	89%	98%	81%	91%	96%	87%	93%	90%	99%	98%	93%	84%	91%
Our City should enact															
ordinances and															
regulations intended															
to increase energy															
efficiency and climate															
	79%	67%	67%	070/	58%	64%	020/	620/	710/	74%	92%	81%	70%	58%	72%
resiliency	19%	0/%	0/%	87%	58%	04%	83%	63%	71%	/4%	92%	81%	/0%	58%	/ 270

# Table 88: Question 17

How strongly do you agree or disagree with	Leng	th of resi	dency		Age		Hous tenu	0	9	Sex		Annual hous	ehold incom	e	
each of the following statements? (percent "strongly agree" or "somewhat agree")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$59,999	\$60,000 to \$99,999	\$100,000 or more	Overall
Our City should lead by example in cutting its own emissions to help achieve the community goals	97%	90%	91%	100%	86%	89%	98%	89%	94%	93%	97%	98%	93%	84%	93%
Climate change is an urgent issue, it needs immediate action	94%	68%	78%	93%	71%	67%	93%	70%	83%	79%	96%	93%	76%	64%	80%
Our City should invest in programs and create policies to address climate change	95%	70%	72%	93%	68%	71%	93%	69%	82%	80%	95%	94%	78%	65%	80%
State and federal agencies should invest in programs and create policies to address climate change	97%	73%	76%	93%	75%	72%	94%	73%	84%	82%	95%	94%	84%	69%	82%

						TUDIC	89. Qu	CStion	10						
How likely or unlikely would you be to help	Lengt	th of resid	lency		Age		Hous tenu	0		Sex		Annual hous	ehold incom	e	
achieve the community's climate goals (percent "very likely" or "somewhat likely")	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$59,999	\$60,000 to \$99,999	\$100,000 or more	Overall
If there were clear cost savings for my household	100%	91%	92%	100%	90%	90%	99%	92%	95%	95%	99%	97%	98%	87%	94%
Even if it would cost my household more	81%	59%	64%	81%	58%	61%	78%	61%	72%	67%	83%	75%	75%	62%	69%
If doing my part would not take a lot of my time	93%	81%	85%	94%	82%	79%	86%	87%	87%	87%	86%	86%	92%	84%	86%
If my family or friends were also doing their part	99%	87%	85%	100%	85%	81%	98%	84%	93%	90%	96%	94%	92%	83%	90%
If there was a clear environmental benefit for the community	99%	86%	92%	97%	88%	88%	98%	87%	92%	93%	100%	96%	94%	81%	92%
If there was a clear economic benefit for the community	98%	91%	92%	100%	89%	89%	98%	90%	95%	94%	100%	97%	97%	87%	93%
If there was a clear social or health benefit	100%	89%	93%	100%	88%	90%	98%	90%	94%	95%	100%	99%	98%	83%	93%
If I knew my actions were helping accomplish the goals	98%	87%	89%	100%	82%	88%	98%	86%	94%	90%	98%	97%	93%	80%	91%
If I knew our actions were inspiring other communities	92%	76%	82%	95%	72%	77%	93%	75%	86%	82%	97%	92%	81%	73%	83%

# Table 89: Question 18

					TUN	c 50.	Questi	011 10							
What, if anything, should the City do							Hou	0		_					
to have a greater impact on the issue	Lengt	th of resid	dency		Age		ten	ure		Sex		Annual hous	ehold incom	ne	-
of climate change or community resiliency in our community? (Percent that made a comment within that theme)	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$59,999	\$60,000 to \$99,999	\$100,000 or more	Overall
Punish/fine/tax polluters, increase accountability/enforcement, or otherwise mitigate pollution	5%	6%	3%	3%	9%	2%	4%	5%	4%	5%	2%	8%	9%	0%	4%
Increase/improve public transit; encourage alternative transportation; slow development	1%	14%	7%	8%	6%	8%	9%	7%	11%	3%	1%	16%	5%	7%	7%
Invest in or incentivize environmentally friendly general practices/behaviors or energy sources	8%	20%	5%	18%	8%	1%	8%	13%	14%	9%	13%	14%	11%	10%	11%
Do nothing/already too many ordinances/I don't approve of Climate Action Plan	1%	5%	10%	0%	8%	11%	2%	8%	5%	4%	3%	1%	5%	10%	5%
Raise awareness/provide education to residents	15%	9%	5%	15%	4%	6%	16%	4%	12%	7%	35%	4%	6%	2%	9%
No comment	71%	54%	69%	63%	64%	69%	68%	62%	60%	70%	51%	66%	64%	70%	65%
Other	0%	4%	2%	0%	4%	2%	0%	3%	1%	2%	0%	1%	5%	2%	2%
Don't know	0%	2%	1%	0%	1%	2%	1%	1%	0%	1%	2%	1%	1%	0%	1%

# Table 90: Question 19

						Tuc	JIC J1. C	Lucsu	011 20						
							Hous	ing							
I currently recycle at	Leng	th of resi	dency		Age		tenı	ire	9	Sex		Annual hous	ehold income	2	
the following level:	5		More									\$25,000	\$60,000		
(percent "at least	years	6-20	than 20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
once a month")	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
Curbside recycling															
program	87%	92%	90%	93%	88%	87%	86%	92%	91%	88%	89%	82%	96%	93%	90%
I use a drop-off															
site (such as 1903															
S. Timberline															
Road)	13%	8%	17%	8%	13%	17%	10%	14%	9%	16%	13%	17%	9%	11%	12%
Yard trimmings															
using my hauler's															
curbside collection															
service	16%	21%	22%	10%	32%	19%	6%	28%	23%	16%	3%	6%	34%	31%	19%
Yard trimmings or															
food scraps at a															
drop-off site	2%	1%	6%	0%	1%	9%	0%	4%	2%	3%	1%	2%	3%	3%	3%
Yard trimmings or															
food scraps in															
back-yard compost	6%	33%	17%	10%	31%	17%	8%	27%	20%	17%	9%	16%	26%	26%	19%
Food scraps in															
kitchen sink															
garbage disposal	77%	67%	74%	71%	83%	69%	75%	73%	71%	78%	64%	75%	75%	84%	74%
Electronic waste at															
a drop-off site or															
store	11%	8%	3%	13%	2%	5%	6%	9%	10%	5%	6%	15%	6%	4%	8%

# Table 91: Question 20

						Tubic	92. Qu	CSUOI							
							Hou	0							
	Leng	th of resid	dency		Age		teni	ure		Sex		Annual hous	ehold incom	e	-
To help increase recycling	5		More												
I think:	years		than	18	35						Less	\$25,000	\$60,000		
(percent "strongly agree"	or	6-20	20	to	to		Rent/				than	to	to	\$100,000	
or "somewhat agree")	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
It should be unlawful															
for businesses to															
deliberately throw															
recyclables in the trash	78%	64%	69%	77%	56%	73%	78%	62%	72%	68%	90%	77%	68%	58%	69%
It should be unlawful															
for residents of multi-															
family apartments to															
deliberately throw															
recyclables in the trash	79%	61%	63%	74%	54%	69%	75%	59%	70%	64%	88%	75%	62%	55%	66%
It should be unlawful															
for residents of single-															
family homes to															
deliberately throw															
recyclables in the trash	75%	61%	62%	72%	52%	67%	72%	58%	68%	61%	82%	76%	58%	56%	64%
Restaurants should be															
required to have															
compost collection	90%	63%	63%	92%	53%	67%	88%	61%	77%	72%	96%	87%	73%	45%	73%
Single-family															
households should have															
the option to pay a															
separate charge for															
curbside collection of															
food scraps and yard															
trimmings	82%	77%	73%	83%	75%	71%	80%	76%	83%	74%	80%	85%	78%	75%	77%
				1 00/0			00/0	1.0.0	00/0						

# Table 92: Question 21

	Length of residency			4.50			Housing		Gui		Annual household income				
	Leng	th of resid	dency		Age		ten	tenure Sex							
To help increase recycling	5		More												
I think:	years		than	18	35						Less	\$25,000	\$60,000		
(percent "strongly agree"	or	6-20	20	to	to		Rent/				than	to	to	\$100,000	
or "somewhat agree")	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
Single-family															
households should get															
curbside collection of															
food scraps and yard															
trimmings bundled as															
part of basic trash and															
recycling service (i.e,															
no separate charge)	89%	88%	76%	96%	78%	73%	91%	79%	86%	86%	84%	95%	88%	76%	84%
The City should ban the															
disposal of "green															
waste" in the trash															
(e.g., food, wood,															
leaves, branches, paper															
products)	51%	44%	48%	61%	31%	40%	54%	41%	48%	46%	61%	57%	47%	36%	47%

What, if any, parts of the recycling	Lengt	th of resid	dency		Age		Hou	0		Sex		Annual hous	ehold incom	ie	
system in Fort Collins don't work for you or need to be changed? (Percent that made a comment within that theme)	5 years or less	6-20 years	More than 20 years	18 to 34	35 to 54	55+	Rent/ lease	Own	Male	Female	Less than \$25,000	\$25,000 to \$59,999	\$60,000 to \$99,999	\$100,000 or more	Overall
More information/education/better enforcement needed	8%	15%	5%	17%	3%	4%	12%	7%	12%	6%	3%	21%	6%	1%	9%
Larger/more recycling bins, more recycling locations, or more frequent recycling service	16%	9%	10%	15%	11%	6%	12%	11%	5%	18%	7%	23%	10%	7%	11%
Different/cheaper payment structure needed	3%	4%	1%	2%	3%	1%	3%	2%	1%	4%	6%	3%	1%	2%	2%
No changes necessary/positive comment	0%	12%	6%	7%	3%	8%	3%	8%	9%	3%	7%	10%	6%	2%	6%
Make it easier/cheaper to recycle/dispose of hard-to- recycle materials	1%	5%	1%	0%	4%	5%	1%	3%	3%	2%	1%	1%	5%	3%	2%
City should provide services	0%	2%	1%	0%	1%	2%	0%	2%	2%	0%	0%	0%	3%	1%	1%
Less regulation/no new programs/programs should be voluntary	1%	3%	3%	0%	3%	6%	0%	4%	2%	3%	0%	1%	4%	3%	2%
Offer compost/yard waste collection	1%	2%	5%	0%	3%	6%	0%	5%	3%	3%	1%	0%	1%	9%	3%
No comment	74%	59%	64%	68%	69%	60%	71%	62%	66%	66%	74%	51%	70%	73%	66%
Other	0%	2%	6%	0%	3%	4%	1%	3%	2%	1%	0%	2%	1%	2%	2%
Don't know	1%	0%	1%	0%	1%	1%	0%	1%	1%	1%	0%	2%	1%	0%	1%

# Table 93: Question 22

Table 94: Question 23															
								Housing							
	Length of residency			Age			tenure		Sex		Annual household income				
			More												
	5		than									\$25,000	\$60,000		
Percent "at least once a	years	6-20	20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
year"	or less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59 <i>,</i> 999	\$99,999	or more	Overall
How often do you															
shop at local Farmers															
Markets or															
Community															
Supported															
Agriculture produce															
stands?	80%	79%	80%	82%	82%	75%	85%	76%	75%	86%	97%	74%	86%	81%	80%

# Table 94: Question 23

How much do you							Hous	sing							
agree or disagree with	Leng	th of resid	dency	Age			tenure		Sex		Annual household income				
the following statements: (percent	5 years		More than									\$25,000	\$60,000		
"strongly agree" or	or	6-20	20	18 to	35 to		Rent/				Less than	to	to	\$100,000	
"somewhat agree")	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59 <i>,</i> 999	\$99 <i>,</i> 999	or more	Overall
It is important for															
the community to															
have access to local															
food	98%	96%	97%	100%	97%	93%	98%	97%	98%	98%	100%	99%	97%	94%	97%
Our city should offer															
voluntary programs															
to help residents and															
businesses increase															
access to local foods	91%	89%	85%	96%	86%	80%	94%	84%	87%	91%	88%	96%	95%	79%	88%
Our city should enact															
ordinances and															
regulations intended															
to increase access to															
local food	76%	54%	53%	81%	49%	46%	80%	47%	57%	69%	85%	85%	65%	36%	62%

# Table 95: Question 24

# Table 96: Question 25

							Hous	sing			Annual household income				
	Leng	th of resi	dency		Age		teni	ure	Sex						
	5		More												
	years		than	18	35						Less	\$25,000	\$60,000		
	or	6-20	20	to	to		Rent/				than	to	to	\$100,000	
Percent "yes"	less	years	years	34	54	55+	lease	Own	Male	Female	\$25,000	\$59,999	\$99,999	or more	Overall
Should the City															
play a role in															
ensuring the															
availability of															
locally grown															
food?	81%	77%	60%	92%	66%	50%	92%	60%	67%	83%	99%	93%	74%	46%	74%
# **Appendix D: Verbatim Responses to Open-Ended Questions**

Following are verbatim responses to the open-ended questions on the survey. Because these responses were written by survey participants, they are presented here in verbatim form, including any typographical, grammar or other mistakes. The responses are grouped by question and are in alphabetical order.

Question 2 – Other responses to "Please check all the places you have seen information about Fort Collins' air quality, climate or recycling programs."

- Community signs/live near it.
- Never
- Never heard of
- Noret
- Roadside signs.
- Seeing signs (anti-idling, e.g.).
- Sign
- Signs.
- Trash having service.

Question 4 - Other responses to "Does anyone in your household experience the following respiratory ailments?"

- Allergies.
- Allergies.
- On oxygen.
- Seasonal allergy.
- Summer allergies

Question 9 - Other responses to "Please rate your level of concern for the air pollutants listed as they relate to you and your family's day-to-day health and environment:"

- Agricultural emissions.
- Air from nearby feedlots.
- Animal odors.
- Drew's feet smell.
- Fire.
- Fires / smoke.
- Fracking for oil / gas.
- Gas powered lawn mowers etc.
- Greeley's cow smell.
- Marijuana from neighbors.
- Pollutants from oil & gas prod.
- Smells from feedlots.
- Trains and semi-trucks.

- Trains.
- Wildfire smoke.

Question 11 - Other responses to "In the table below, please tell us about each home heating appliance that you have:"

- Electric stove.
- Gas Forced air.
- Gas furnace.
- Gas heat.
- Gas heat.
- Hot water
- Hot water baseboard.
- Natural Gas.

Question 16 responses to "What, if anything, should the City do to have a greater impact on the air quality in our community?"

- 1) Convert the rawhide plant to natural gas and eventually go to all renewables for local electricity use. 2) Deal with manure/ cow waste smells.
- 1) Education first and promote voluntary measures. 2) Enact laws in critical, high pollution areas.
- Abolish the Climate Action Plan for some measures that will not cost so much and allow us the freedom to live our lives without gov't interference.
- Be proactive on the identification of sources of pollution. Don't focus on one technology, but try pilot projects to utilize new energy efficient and pollution reducing technologies.
- City does too much now and can never have an impact on air quality to a meaningful degree other than the "feel good" of pretending to do something. It is a waste of time and resources.
- Convert all city vehicles to electric or CNG.
- Cost/benefit should be at the very root of the Climate Action Plan. For example, several years ago the state decided to spend millions and millions of dollars on nice new buildings for testing auto emissions. According to the Denver Post, the consistent average number of vehicles that don't pass the emission tests is 7%. The cost/benefit of this little project is shameful, yet city officials will push the Great Climate Action Plan with no regard for this kind of waste, because it's all based on emotion not facts.
- Don't allow cloud seeding to fly over Colorado.
- Enact more favorable residential solar laws and financial benefits and incentives
- Enforce rules, communicate problems/ benefits

- Enforce smoking ban @ Larimer county court house plus all city buildings(ashtrays are within 20 feet of door) how can you not smoke within 20 feet of doorways when the ashtrays are placed directly next to the doors street from the door? typical selective enforcement
- Extend bus routes and hours. Simply not available to me and would need evening and weekend service.
- Fix Drew's foot problem.
- Fix traffic flow on arterial roads. My daily commute is plagued with red light after red light after red light, and if my car were sailing along at 45-55 mph at near idle RPM, instead of stop and go and having all the extra emissions from accelerating to hat speed only to stop completely 200 yards later, that would substantially reduce haze and outdoor pollution without any other changes to citizen behavior or vehicle specifications, particularly given that vehicle emissions account for the majority of ai pollution in town, and that exponentially more fuel is used to accelerate than to idle or maintain speed.
- Focus what limited funding and power you have on what will make the largest difference. Keep trying to educate people.
- Get rid of the trains and less construction with wait to get threw it.
- I don't know what would have the biggest impact. I do know people idle their cars a lot in Fo Co. And if people knew how long they'd be waiting, for a train or at drive through, maybe they'd stop. Could the trains crossing have an indicators. for a train or at drive through, maybe they'd stop. Could the trains crossing have an indicators. I don't like being behind idling cars.
- I work at CSU and I am concerned about indoor pollution in some of the buildings.
- I would really like to see the City of Fort Collins invest in more public transportation to reduce the number of cars on the road. Although it is a rather lofty and long-term goal, I would love the city to invest in building a subway or light rail. I would absolutely support increased taxes if I knew it would be invested in more public transportation. However, I know that the likelihood of Fort Collins building a subway or light rail system is rather small, so maybe we could invest in providing more east-west bus transportation to complement the north-south MAX bus lines.
- Improve Air Quality without getting in the way of our lives. The smoking ban in Old Town is overkill. Vehicle Emissions are a giant pain in the ass for everyone who lives here. Going after modified vehicles just ruin people's hobbies. Do what you can do improve air quality, but stop unnecessarily causing headaches for residents.
- Industry regulations/ car inspectors see a lot of cars that puff out toxic smoke.
- Investing in electric charging stations would be a good way to encourage the use of EVs and PHEVs without acting punitively against those who drive gas or diesel only vehicles for whatever reason, such as lack of charging stations in places people drive to most often. Expanding the presence of EV chargers at public facilities (libraries, Mountain Ave parking garage, some street parking in Old Town, etc.) would be helpful to promote use of EVs in those areas, particularly where there are many pedestrians."
- Keep improving the roads so traffic moves along faster and cars don't sit idling at stoplights and spend extra time on the road.
- Keep raising awareness & action steps.
- Mitigate broadcom industrial pollution.

- More enforcement as opposed to education when violations are found -- e.g., citations for smoking in no smoking areas rather than warnings. Not sure if the city has anti-idling ordinance; if so, enforce it.
- More right turn lanes. Promote Electric or Hybrid transportation.
- More strongly enforce smoking regulations throughout the city, tighten down on the coal rollers.
- Not being a barrier to solutions.
- Not if it increases taxes. :)
- Offer some sort of incentive to local employers on high pollution days. Get them to encourage their workers to use less polluting transportation methods or work from home on those days.
- Prevent forest fires. Make quality CO detectors affordably available (good ones are \$150 and our house needs 3).
- Promote the responsibility that companies/ Industry have to police themselves take poor air clean. maybe reward companies that reach catching goals?
- Provide more info on all aspects of "air quality" what effects it or how.
- Public transportation is great but I live on the southern border of FC and if I want to use MAX, I have to drive to get there, so I don't bother, I just go ahead and drive to where I am going.
- Quit using our money on this stupid program. You are all Al Gore wannabes. There are homeless children in Fort Collins and you idiots keep pushing this crap. We all know it's a scam to steal money from stupid people. This is Colorado, we have winters we dive cars. You want to make a difference make all government and county and city workers bike to work every work day. Take their cars and make them bike. But you won't do that cause they are special like u it's the peasants that have to take it in the ass. Quit pushing this and start helping the homeless. There is a worthy cause. Fire the bike nazi she shouldn't have a job. That will save u six figures.
- Remove all crosswalks that force cars to stop and replace them with a tunnel for bikes, pedestrians. Improving traffic flows would also help with idling. For example when most major roads are all under construction at the same time that causes havoc. Not everyone can bike.
- Show people how to help make a greater impact.
- Stop investing tax money for these programs. If you want to invest federal grant money, that's fine. However, we have REAL problems that need to be addressed.... Roads, traffic congestion, unemployment, crimes, shortage of law enforcement, illegal use of marijuana running rampant in Old Town. Please focus on what we elected you to deal with and what we want our tax money being spent on. This climate change program is bullshit.
- Stop micromanaging behaviors No new ordinances.
- Stop wasting our tax money on trying to control everything we do inside and outside of our homes. Suggestions are fine, but trying to force regulations is not necessary. We are a highly educated city and can control our own actions because of course we wat to maintain a great city for everyone, especially our kids! We wish you would spend more energy and time trying to get the funding we need to widen I-25 without raising our taxes again to pay for it. We already paid for the expansion in 1998 and all our money went to Denver and Colorado Springs. When traffic has to stop constantly on I-25 because of the congestion, that creates pollution, right? Especially with all the semis that use that route. Fort Collins should be leading the fight to get the funds we need to expand that road for its residents!

- Study evolution.
- The City of Fort Collins has too many initiatives (i.e. air quality, global warming, etc.) that are costing the residents too much money for the sake of improved life quality. For those of us on a fixed income (retirees), the additional costs/taxes are forcing us out of Fort Collins. Why not just post a sign at the city entrance indicating kids and retirees not wanted!!!
- Unknown.
- We need electric car chargers to proliferate, even if those are only 110V plugs. e.g. if you go to Alaska every parking lot has hundreds of plug ins. These could be solar powered. If charging is cheap or free, Uber/Lyft/Taxi/Delivery drivers could chare up their vehicles. Workplaces could have simple 110v plug ins in parking lots for slow charge of electric vehicles. When you go to put in parking meters, those could also have charging ports.
- While many people in this country do not believe in climate change, especially man-made climate change, this should not be true of Fort Collins and northern Colorado. We have one of the greatest natural landscapes in the United States of America if not the entire world. Millions of people visit the Front Range and Rocky Mountains every year to enjoy its vistas and the activities our home offers. It is bad enough that giving the right prevailing climatic conditions we are able to smell the livestock and livestock related activities from nearby Greeley. The City of Fort Collins must do more to ensure that we are doing whatever is necessary to help mitigate climate change. There are far too many factors to list here, but part of mitigating climate change is helping to improve air quality. Do what is necessary.
- work with HOAS our HOA limits many of the things that would help the environment.

Question 19 responses to "What, if anything, should the City do to have a greater impact on the issue of climate change or community resiliency in our community?"

- ??
- Abolish the Climate Action Plan and leave us alone to live our lives, unless there is a clear economic benefit to us. Consider the world-wide impact of climate impact, like mining of lithium, bird deaths from windmills, etc., before bringing any of that to fort Collins. Understand the Fed Gov't has no money, all it has is debt. Therefore, refuse and do not seek federal help in any of these programs/projects.
- Absolutely nothing. Get your head out if the climate and focus on running the government. This survey is irritating me. What want there an option for strongly disagree for all of the questions? I think it's to make the results lopsided.
- Add rail commuting to / from Denver.
- Again, eliminate all dependence on coal fired electricity ASAP. Build more bike paths, not bike lanes.
- Allow E bikes; any increase in alternative is a wise. Make clear goals in reducing Haze and CO2 footprint.
- Also since there is now an additional charge on recycling pick up, I don't care if I recycle or not. I do recycle a lot, but I feel like the extra charge is like a penalty. Give credit to those who recycle and charge those who don't!!!
- Better public transportation.

- Bogus science Ft. Collins is not going to secure to liberalist agenda for more control of our personal choices!!
- Build a nuclear power plant to reduce emissions. Without it all other actions are bad ideas disguised as good intentions.
- Build trains around the city (monorails or trolley).
- Carbon tax
- City of Fort Collins needs to worry about basic services.
- Climate change should primarily be addressed at the federal and state level as the causes and effects are so widely dispersed, however particulates and ozone are a very local issue. A CO2 emission tax would be the most efficient way to address CO2 emission. The economic equations of Solar and EVs are becoming better and we could do some simple things to spur adoption, like put up low cost 110V charge plugs in workplace parking lots and on parking meters. The City programs for Solar Rebates are cool but t would be nice if they were larger or applied to DIY systems as well. Having to go through a contractor makes the equation not work out very well for me. Also the tiers of power FC Utilities charges for are stupid. They don't take into account family size or health needs when charging me extra for being in Tier 3. My fiancée has a skin condition and needs a lot of A/C during the day, and insomnia so she stays up late and uses lots of lights and computers. So by charging more for tier 3 you are literally taxing health problems and productivity. The KwH charge should be FLAT, because I know we pay for coal at Rawhide by the ton.
- Continue educational efforts. Inform the community of international, national & state programs.
- Continue to support public & alternative transportation along the front range (e.g. Bustang, rail service to Denver).
- Don't buy into man's impact on natural climate change.
- Don't shove regulations down our throats. I would also like to address the water situation. IF we were billed for the amount of water used, we would probably conserve more, but if we are being forced to pay for the minimum and have not used that much, there is no incentive to conserve. If I'm paying for it, I'll use it!
- Don't spend the \$; spend own tax money on items that bring economic benefits & educational results.
- Educate about how little actions add up the bigger picture
- Educate the community; provide incentives rather than punishments.
- Education of population as to what they (the residents) can do to help.
- Enact more favorable laws for residential and commercial solar. Add more financial incentives around owning solar.
- Encourage or regular HOAS that don't allow chickens goats composting clothes lines, and other environmental changes allowed by the city, to change their policies.
- Enforce recycling in small businesses and in schools and offices. Enforce composting by restaurants.
- Evaluate the areas of heavy release of pollution. fine on purpose release of car pollution.
- Focus on having more transparency in all of city govt. Especially the police dept & sheriffs & DA's.
- Get info to renters, new residents & broaden the out needs, may be via other community.
- Get the transient problem under control.

- Help decrease the numbers of private vehicles on the roads.
- Helping to reduce car emissions would help here and just getting more evidence to the naysayers. Curb the flipping housing development taking over the Front Range!
- I believe climate change is real, but don't know or understand all of the details that affect it.
- I do not know.
- I'm not sure incentives and ideas / examples of how we can help.
- Implement the current climate plan and focus on the triple bottom line.
- Increase responsibility of landlords to increase quality products for residence to decrease high use of energy / clean home air. The biggest barrier is many don't own and have no control in have.
- Instill awareness in students insides thru the schools. will Pay off later.
- Invest and promote 100% electric vehicles and solar panels.
- Keep encouraging people to bike, take the bus or walk to get where they need to go in town.
- Lead by example act as If you believe climate change is real.
- Lead by example don't over regulate/ gov.
- Less cars. More public transp or bikes.
- Limit oil & gas production in city limits & Larimer County. Again, a serious lack of consideration of oil & gas production pollution. Sad.
- Make businesses be accountable! I know businesses in mall do not recycle. They are too cheap to run for it!
- Make sure new buss are environment Safe for us.
- Maybe we could provide tax cuts (or other incentives) for the conversion of homes to solar and/or other forms of alternative energy (but we may already do this and I'm just unaware of the policy).
- Mitigate broadcom pollution.
- More solar farm coops like the one on Riverside & Mulberry.
- No new laws.
- Not the City's job.
- Nothing city will have No impact stop trying No new laws.
- Nothing, don't we have enough government involvement in our lives already.
- Nothing, it's a scam. There is no climate change which u all changed the name of global warming because it wasn't warming. It's called seasons dumbasses. By the way go back and watch al gores movie Florida was supposed to be underwater in 2013. Your all so dumb.
- Nothing.
- Nothing.
- Nothing. City council wants control. No!
- Nothing. There is nothing away community or state can do to affect climate change. It is a naturally occurring phenomenon.
- Offer incentives for use of bicycles and public transportation (punish people with water & / or smoke torture for infractions.)
- Offer incentives to receive education/ info on climate change.

- Offer rebates for solar panels.
- Only allow alternative transport into Downtown.
- Our city government is run by greedy idiots. They are ruining the spirit of Fort Collins. If I wanted to live in Boulder I'd move there!
- Outdoor smoking is a complete non-issue and we should eliminate the ridiculous ordinances we passed on it. They are rarely enforced anyway, I see people smoking in non-smoking zones all the time. No doubt the officers tasked with enforcement also have better things to do than harass a smoker who is harming nobody.
- Promote a unified and scientifically backed consensus; subvert the danger of pseudoscience and science deniers.
- Promote energy audits, insulation, etc. to reduce the use of AC in the summer.
- Promote voluntary individual action rather than enact ordinances that will be neither enforced nor voluntarily complied with. CAP won't do any good in a top-down model; each member of the community needs to participate by reducing their energy consumption/ waste / inefficiency, and the city can help by continuing to offer its home energy audit programs, expand EV charging availability, and address problems with poor traffic flow. Also continue the PSA campaign reminding people about things they can individually do to save water and energy (and money on their utility bills).
- Promote walking / biking anything that does not use greenhouse gases. Regulate industrial / business emissions strongly.
- Proof that it is making a difference. No punishment to those who must drive a Distance to get to a job to support their family.
- Provide more info & maybe forums, meetings, etc. Concerning climate change.
- Push to be the first community 100% powered by renewable sources of electricity not by 2025 but ASAP b/c we are out of time to solve this problem.
- Quit overdeveloping & building.
- See #16. [Strongly educate climate action plan! Promote Safe cycling.]
- Stop the growth!!
- Sunday bus service, complete the Poudre trail to Windsor/ Greeley.
- Talk (publicize) it more.
- Tax breaks on anyone doing the right thing to reduce or mitigate emissions.
- Tax incentives for renewables, hold open panels for all community members about the threats of climate change.
- The city is already over reaching and doing too much poor use of Tax dollars in most instances.
- The city should do less and concentrate on city business and use resources for more productive things.
- The city should have moved the train outside city limits a long time ago and put in a light rail. Also the new CSU stadium will cause more congestion and traffic.
- There has always been climate change, which is controlled by the sun, not humans and animals!

- They need to be honest with the consumer let them see the damage first. [?] show them the toxic air and what it does show the oil in water and explain that is what you a drinking show the animals effected & people.
- Unknown.
- Use data about what our community is doing well as a whole to influence others to join in; example: 75% of FC households have switched or are currently doing [insert positive behavior].
- We need to rebrand it as air quality. There are too many climate change nay sayers who run at the first mention of the word. If we focus on cleaning the air. We also mitigate the causes of climate change.
- Why did the previous only have 3 answers available? No "Strongly Unlikely" column. Hum, must have been an intentional oversight.

Question 22 responses to "What, if any, parts of the recycling system in Fort Collins don't work for you or need to be changed?"

- Apt living does not offer that much in recycling.
- As long as it's voluntary it works don't force us to recycle.
- City should supply curbside recycling for all.
- City/county should have a more modern & economically beneficial system to turn garbage into a benefit (at the landfill).
- Clear instructions on what is recyclable and what is not: plastic is particularly confusing (whole foods has a very Clear photos above recycle bins. the city should do the same.)
- Co. mingled recycle bins at my complex are too small in size & not enough of them.
- Commingling is expensive and I still have to make separate trips to the drop off site, I would like to go back to separate containers.
- Composting better recycling. need city support local neighborhood composting. need better access to battery recycling programs.
- Composting, yard waste recycling should be offered curbside.
- Condominium housing offers easy access to the receptacle for trash separate from recycle bins.
- Cost.
- Current system works for me. do not want to see mandatory collection of yard waste & food waste. Cost will not be recouped nor used by everyone.
- Denver's city run trash & recycling was made more effective (we lived there 4 years before moving & FC 5 years ago) it cheaper than FC's farming it out.
- Distance to recycle centers separate locations don't like driving all over for cycle.
- Do not know.
- E. waste & yard trimmings need to be free of charge!
- Electronic recycling T.V, Computer monitors.
- Encourage everyone to recycle.
- Fort Collins does not offer enough in terms of curbside collection of recyclable materials for people who live in multi-family residences like apartments. There are signs everywhere that show it is

illegal to dump recyclable materials in the actual trash. However, there are NO curbside recycle dumpsters at any apartment complex I have lived at or visited.

- Free/ more recycling
- Glass seems to be a challenge.
- How do you determine deliberate throwing away of recyclables? Who enforces that? The law should not be unenforceable or absurd, despite those activities being undesirable. Voluntary, informed action works better than coercive action. Most people want to do the right thing, so make it easy for them to do it, rather than punish or coerce or create expensive, inefficient regulatory bureaucracies. Carrots work better than sticks. I also need weekly recycling pickup to come back, because my household generate MUCH more recyclables than it does landfill waste. I am considering doing my own composting of food and garden waste, since our lawn mower doesn't have a bag to pick up clippings.
- I believe I addressed my sentiments in the last "box".
- I currently get a curbside recycling service twice a month, but it would be nice if it were every week like the trash system is. However, if upgrading to a weekly recycling program would cost the city and other companies too many resources, I think we can get by fine with a bi-weekly service.
- I do my part and think it is effective.
- I do not want to recycle food scraps here seen it in Seattle gross.
- I don't have much to recycle that can't be in recycle trash pickup. Perhaps volunteers could pick up recyclables from seniors who can't get to site.
- I fill my 60 gallon recycle container more than every two weeks. I need a larger container or more frequent pick-up. Otherwise I put my excess in my garbage container. So, I oppose any effort to charge for recycles in the trash. I also recycle all of my sed batteries with a local battery firm. Why no questions about that?
- I have been to cities that have recycling bins at grocery stores. It makes it more convenient since everyone goes to the grocery store anyway. Including recycling light bulbs and batteries.
- I have been told most glass does not recycle, further it contributes to hazardous road conditions; mandatory deposits on glass recycling.
- I have heard that comingled recyclables just get ground up together and turned into some other substance. It saddens me that my efforts are for nothing if this is true.
- I live in a townhouse building (complex)(small) the neighbors (renters) are very careless with trash the HOA We have is a joke.
- I would like yard waste / food waste pick up. I do pay to go to Hagemans.
- I would place stamp in plastic or paper recycling bins if they were available in my apartment complex. It must be voluntary not mandated by law!
- I'd like the opportunity to recycle at a "close" recycling center so I can be responsible myself (no that it is actually being put where it belongs) at no or reduced waste charge to my household!
- If the city allows the trash providers to start charging for recycling I would no longer participate.
- In apartment complexes, the recycling bins at times are over flowing. may need larger bins or encourage others to break down / crush recyclables.
- It all works fine.

- It costs to recycle.... I'm not paying for that. I don't want smelly composing and food scraps in yet another bin. Get out of our lives. Stop taking about requiring and mandatory. Absolute bs.
- It should be a choice, not a regulation.
- It should be required for businesses to have recycling options. My building doesn't have anywhere to recycle unless we bring it in ourselves to the plant. Most people won't take the time to do that.
- It works well.
- It would be nice if they came every week, rather than every other week sometimes we miss a week on accident, and then our bin is over flowing because it will have a months' worth of stuff in it. Especially if it becomes mandatory to recycle all recyclables!
- Its ok.
- Lead by example /show/convey benefit & actions Don't over regulate/ gov.
- Leaf recycling not available in my neighborhood.
- Leaves!
- Model it like Loveland's residents get more benefit for free.
- More education/ flyers for apartment residence. Also, More commute need closer access to recycle, such as trailer park and outside city limits.
- More people need to know its available even in apartments and trash services should be monitored to make sure they truly are recycling, I have seen trash services empty recycle tubs into the back of the truck because they don't feel like separating the items and have gotten to lazy to do the recycling.
- More regular pick up of recycling would help our bin is often fall, include Electronic pick up as part of curb side service.
- My apt complex offers a small can for the whole complex, require a specific size avail per complex size /residency.
- Need more info regarding disposing of electrical, batteries, and exactly what is considered trash / garbage.
- Need more opportunities/locations for electronic waste and prescription drugs.
- Need more recycling containers in schools and groceries, businesses and restaurants.
- Need to make sure recycling items get recycled. Read in the paper that much of our recycling actually goes into land fill with the trash.
- Need to provide ways for small households to recycle / compost home & yard waste (organics, i.e, food, seeds, plant, woods).
- Need yard waste pickup free of charge.
- Not big enough recycling bins at apt. complex.
- Not much, it's already a great system put in place compared to other city's.
- Not sure.
- Our comment on the previous question the city must first provide ways for the disposal of green waste before banning it disposal of green waste in the trash.
- Pay as you go limits incentive to recycle! Pay at drop off sucks, too.
- Raise awareness about what can and cannot be recycled.

- Recycling is widespread & Fort Collins / service providers do a great job community needs education / enforcement to change behaviors towards trash.
- Recycling of lawn trimmings and leaves.
- Recycling works just have to keep educating the public about details & process for proper recycling.
- Residential haulers need to be more flexible on their rates for recycling yard waste. I pay to have my lawn service haul the clippings to Hageman's, so I only need yard waste pickup in the fall for a couple months for leaves. Because I don't subscribe for the whole 6-month period, I get charged extra for only using yard waste for a couple months each year.
- Seems to work pretty well.
- So far so good.
- The \$5 fee for recycling yard trimmings is a disincentive it makes it cheaper to go to Hagemans or just to do my at the land fill.
- The City should really try recycling pick up every week and garbage every other week. However we use a 3rd party garbage pickup so I don't know how much influence the city would have on other parties. Currently our recycling is only twice per month. NOT ENOUGH. The recycling bins with no lids that are small should be done away with. It annoys me that we recycle way more than people in our street with more kids! We never fill the garbage to capacity. I bet people would start recycling more if THAT were the primary option.
- The really stupid way they have installed the new turn lanes at the new recycling center lanes are too narrow.
- There should be a single city run so city approved company to limit the number of trash trucks on the roads.
- This survey is clearly out of bounds and leading.
- This isn't to the point of your question, but some of your answers either need an "other" option or a "never" answer. For example, my yard waste is handled to by the company that cuts my lawn. No answer for that in your questions.
- This should be a private enterprise. not the city.
- Trash hauler requires me to cut up boxes into 1 foot squares and wash out cans and bottles before putting in recycling, what a pain. Most recycling is a net energy sink anyway, and I understand there are massive amounts of recyclable plastics and paper just sitting in warehouses because there is no demand. City should invest in a state of the art Waste to Energy plant that converts trash into energy and focus on recycling aluminum and glass (glass only because it's locally used for bottling).
- Trash hauler takes care of my needs. HOA provides trash every fall and spring for grass, leaves, trees, branches etc.
- Unknown.
- We need to find a way to recycle Styrofoam! Don't charge for hard to recycle items (oil, e waste, batteries, etc.).
- We recycle consistently, but government mandates......absolutely not!
- We recycle much more than we place in the trash. We love how it is now and the ease of recycling.

- Weekly pickup. The container is not big enough for a month of recyclables when missing a single pickup.
- What do I do with plastic bags? Energy efficient bulbs? Need pizza boxes?
- When someone asks me to recycle I burn three tires and empty a can of aquanet into the atmosphere.
- Works fair for us.
- Would like more info on composting. More recycling stations around town, especially cars in old town.
- Yard waste pickup.
- Yard waste would be helpful at a reasonable cost.

# **Appendix E: Survey Methodology**

### **Survey Purpose and Funding**

The City of Fort Collins Environmental Services Department contracted with National Research Center, Inc. (NRC) to conduct a survey to assess residents' knowledge, attitudes and perceptions about air quality and recycling. The survey also collected information on residents' awareness and participation in department programs.

Results of the survey will help staff to set priorities for program and budget decisions and track community opinions about air quality, helping to assure maximum service quality over time.

The City of Fort Collins funded this research. Please contact Mary Pat Aardrup, Environmental Planner in the Fort Collins Environmental Services Department at mpaardrup@fcgov.com if you have any questions about the survey.

# **Developing the Questionnaire**

The 2017 Air Quality, Climate & Recycling Survey instrument for the City of Fort Collins was developed by starting with the version from the previous survey in 2011. City staff reviewed the instrument and prioritized questions to keep, and identified questions to revise or replace with items that had more current relevance. NRC staff worked with City staff to add new questions and revise old questions while retaining the ability to measure change in attitudes and behaviors of residents over time. The 2017 survey is thus substantially similar to the 2011 survey.

## **Selecting Survey Recipients**

A list of all households within the zip codes serving Fort Collins was purchased from Go-Dog Direct based on updated listings from the United States Postal Service. All adults in Fort Collins, excluding those in the 80523 zip code (which is exclusively used for Colorado State University) were eligible to participate in the survey. Zip codes that were exclusively for post office boxes (80522 and 80527) were also excluded to avoid duplication as any resident of Fort Collins who had a post office box would also have a resident address in another zip code.

For the 2017 survey, a sample of 10,000 household postal addresses were randomly selected from the purchased list from the following Fort Collins zip codes: 80521, 80524, 80525, 80526 and 80528. To ensure households selected to participate in the survey were within the City of Fort Collins boundaries, the latitude and longitude of each address was plotted to ensure that its location was within the city. Addresses that fell outside of the city boundaries were removed from the sample. A total of 1,100 addresses were then chosen (from those confirmed to be within City limits) to receive survey mailings. Multi-family units within the city were oversampled to compensate for single-family unit residents' tendency to return surveys at a higher rate. An individual within each household was selected using the birthday method. (The birthday method selects a person within the household by asking the "person whose birthday has most recently passed" to complete the questionnaire. The underlying assumption in this method is that day of birth has no relationship to the way people respond to surveys.)

## **Survey Administration and Response**

The 2017 Air Quality, Climate & Recycling Survey was administered by mail beginning on January 6, 2017. A total of 1,100 households were sent the survey mailings. Completed surveys were collected over a 7-week period.

All households received three mailings, one week apart. The first mailing was a prenotification postcard announcing the upcoming survey. The other two mailings contained a letter from the City Manager inviting the household to participate, a questionnaire and a postage-paid envelope. About 4% of the surveys were returned as undeliverable because the housing unit was vacant or the postal service was unable to deliver the survey as addressed. Of the 1,059 households that received the survey, 248 respondents completed the survey, providing an overall response rate of 23%.

### **95% Confidence Intervals**

The 95% confidence interval (or "margin of error") quantifies the "sampling error" or precision of the estimates made from the survey results. A 95% confidence interval can be calculated for any sample size, and indicates that in 95 of 100 surveys conducted like this one, for a particular item, a result would be found that is within three percentage points of the result that would be found if everyone in the population of interest was surveyed. The practical difficulties of conducting any resident survey may introduce other sources of error in addition to sampling error. Despite best efforts to boost participation and ensure potential inclusion of all households, some selected households will decline participation in the survey (referred to as non-response error) and some eligible households may be unintentionally excluded from the listed sources for the sample (referred to as coverage error).

The margin of error for the survey is generally no greater than plus or minus 6.2 percentage points around any given percent reported for the entire sample; results for subgroups will have wider confidence intervals. Where estimates are given for subgroups, they are less precise. For example, the margin of error for each zip code increases to approximately 14% for 80521, 18% for 80524, 11% for 80525, 13% for 80526 and 18% for 80528 (see table below).

	<b>o</b> , , ,	
Area name	Returned	MOE
80521	50	14%
80524	29	18%
80525	76	11%
80526	61	13%
80528	31	18%
Overall	248	6%

#### Table 97: Margin of Error by Zip Code

## **Survey Processing (Data Entry)**

Mailed surveys were returned via postage-paid business reply envelopes. Once received, staff assigned a unique identification number to each questionnaire. Additionally, each survey is reviewed and "cleaned" as necessary. For example, a question may have asked a respondent to pick two items out of a list of five, but the respondent checked three; staff would choose randomly two of the three selected items to be coded in the dataset.

Once all surveys were assigned a unique identification number, they were entered into an electronic dataset. This dataset is subject to a data entry protocol of "key and verify," in which survey data were entered twice into an electronic dataset and then compared. Discrepancies were evaluated against the original survey form and corrected. Range checks as well as other forms of quality control were also performed.

NRC used Qualtrics, a web-based survey and analytics platform, to collect the online survey data. Use of an online system means all collected data are entered into the dataset when the respondents submit the surveys. Skip patterns are programmed into the system so that respondents are automatically "skipped" to the appropriate question based on the individual responses being given. Online programming also allows for more rigid control of the data format, making extensive data cleaning unnecessary.

A series of quality control checks were also performed in order to ensure the integrity of the web data. Steps may include and not be limited to reviewing the data for clusters of repeat IP addresses and time stamps (indicating duplicate responses) and removing empty submissions (questionnaires submitted with no questions answered).

# Weighting the Data

The demographic characteristics of the survey sample were compared to those found in the 2010 United States Census.

While NRC did not administer the 2007 survey, the City was able to provide NRC with the raw data from that iteration. Data were not weighted in the 2007 analysis and report. To ensure comparability between the two iterations, NRC weighted the raw data provided from the 2007 survey. The demographic characteristics of the 2007 survey sample were compared to those found in the 2005-2009 American Community Survey (ACS) Census estimates for adults in the city.

For all years, sample results were weighted using the population norms to reflect the appropriate percent of those residents in the city. Other discrepancies between the whole population and the sample were also aided by the weighting due to the intercorrelation of many socioeconomic characteristics.

The variables used for weighting in 2017 were housing tenure (rent or own) sex, age and area (zip code). The variables used for weighting the 2011 data were respondent age, gender, housing tenure and housing unit type. The variables used for weighting the 2007 data were respondent age, gender and housing tenure as information on housing unit type was not included in the 2007 iteration. The choice of these weighting variables was based on:

- The disparity between the survey respondent characteristics and the population norms for these variables
- The saliency of these variables in differences of opinion among subgroups
- The historical profile created and the desirability of consistently representing different groups over the years

The primary objective of weighting survey data is to make the survey sample reflective of the larger population of the community. This is done by: 1) reviewing the sample demographics and comparing them to the population norms from the most recent Census or other sources and 2) comparing the responses to

different questions for demographic subgroups. The demographic characteristics that are least similar to the Census and yield the most different results are the best candidates for data weighting. A third criterion sometimes used is the importance that the community places on a specific variable. For example, if a jurisdiction feels that accurate race representation is key to staff and public acceptance of the study results, additional consideration will be given in the weighting process to adjusting the race variable.

Several different weighting "schemes" are tested to ensure the best fit for the data.

The results of the weighting scheme are presented in the table below.

Characteristic	Population Norm	Unweighted Data	Weighted Data
Housing			5
Rent home	45%	26%	44%
Own home	55%	74%	56%
Race and Ethnicity			
White	90%	89%	87%
Not white	10%	11%	13%
Sex and Age			
Female	50%	47%	50%
Male	50%	53%	50%
18-34 years of age	45%	15%	45%
35-54 years of age	31%	31%	31%
55+ years of age	23%	54%	24%
Females 18-34	22%	9%	22%
Females 35-54	16%	19%	16%
Females 55+	13%	26%	13%
Males 18-34	24%	6%	24%
Males 35-54	15%	12%	15%
Males 55+	11%	29%	11%
Zip Code			
80521	21%	15%	20%
80524	12%	14%	12%
80525	31%	31%	31%
80526	25%	26%	25%
80528	11%	14%	13%

#### Table 98: Fort Collins, CO Weighting Table 2017

# **Analyzing the Data**

The electronic dataset was analyzed by NRC staff using the Statistical Package for the Social Sciences (SPSS). For the most part, frequency distributions and mean ratings are presented in the body of the report. A complete set of frequencies for each survey question is presented in *Appendix A: Responses to All Survey Questions by Year*.

Also included are results by respondent zip code and characteristics (*Appendix B: Responses to Select Survey Questions by Zip Code* and *Appendix C: Responses to Select Survey Questions by Respondent Characteristics*). Chi-square or ANOVA tests of significance were applied to these breakdowns of selected survey questions. A "p-value" of 0.05 or less indicates that there is less than a 5% probability that differences observed between

groups are due to chance; or in other words, a greater than 95% probability that the differences observed in the selected categories of the sample represent "real" differences among those populations. Where differences between subgroups are statistically significant, they have been marked with grey shading in the appendices.

# **Appendix F: Survey Instrument**

The 2017 survey instrument appears on the following pages.