

Feb 2023 Report to LFP City Council



Sarah Philips, Chair LFP Climate Action Committee

Mimi Bertram, Member, LFP Climate Action Committee

At its meeting on February 24, 2022, the City Council created the Climate Action Committee. The purpose of the Climate Action Committee is to gather and analyze climate information and draft a *Climate Action Plan* for recommendation to the City Council.

Agenda

Who we are

Workplan

King County Emissions

LFP Community Survey

Next Steps

Who We Are

Sarah Phillips

Anne Udaloy

Miriam Bertram

Dana Campbell

Brian Saunders

Anna Cote

Bella Tancreti

Jessica Cote

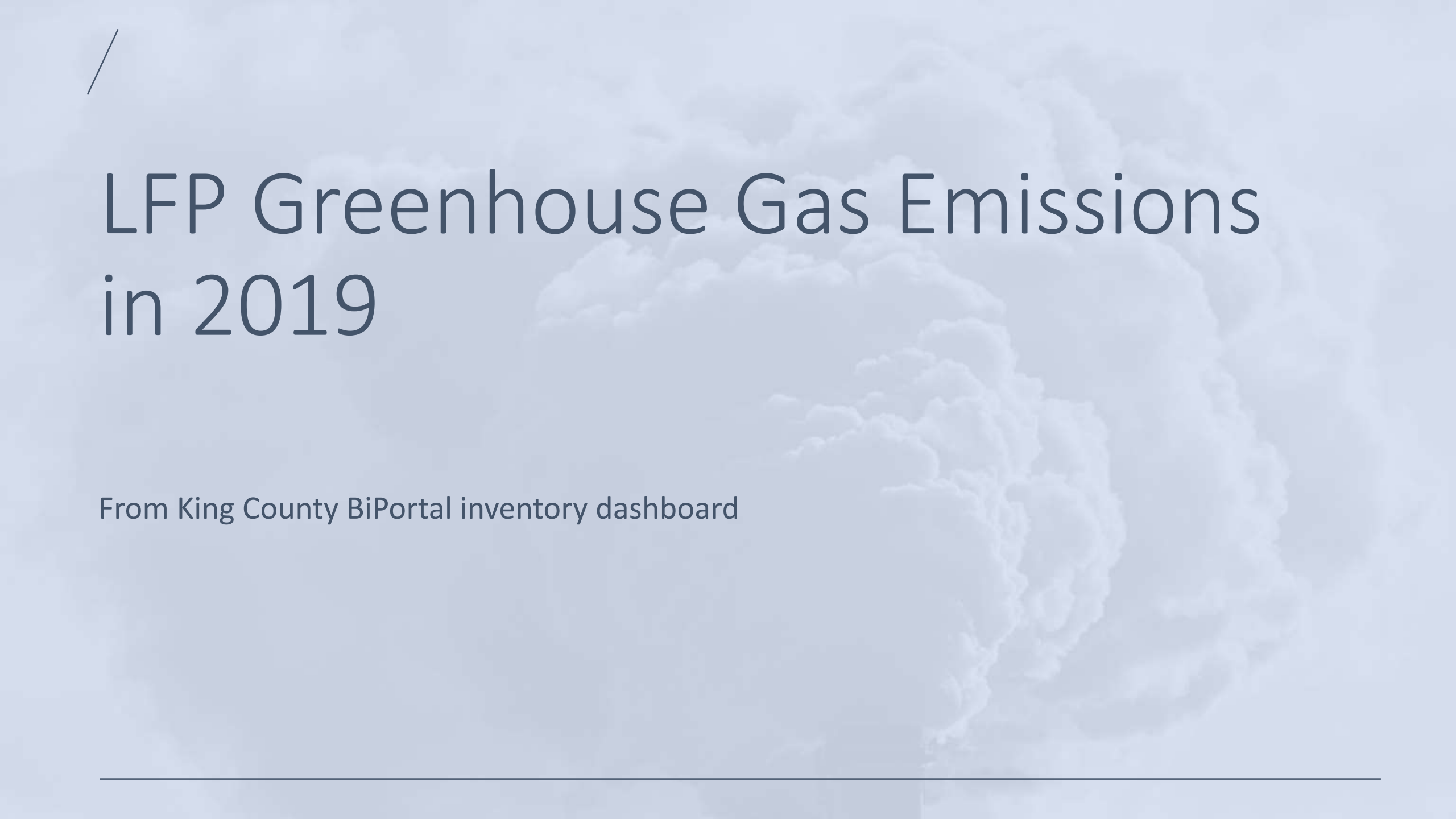
Matthew Son

Linda Holman

Workplan

Tasks and Timeframe

	Set Goals and Strategies	Define Priorities	Draft Climate Action Plan	Plan for Year 2
	Timeframe			
Project Task	March - July 2022	July – October 2022	October 2022 – December 2022	January-February 2023
Outreach, Communication, and Community Engagement	Develop and Implement a first-year Outreach and Communication Plan	Implement First-Year Outreach, Communication, and Engagement Plan	Review and summarize results of first-year efforts, develop second-year Outreach, Communication, and Engagement Plan	• Produce Climate Action Plan • Deliver Plan to Council • Prepare 2023 Work Plan
Climate Action Planning: Define Priorities, Strategies, and Goals*	Review existing Climate Action Plans; review K4C and People for Climate Action priority actions	Identify preliminary climate action priorities, strategies, and goals	Prepare draft Climate Action Plan; deliver draft plan to Council during December 2022	
Data Collection and Analysis	Identify available data and data gaps; develop plan to address data gaps; review K4C emissions study for LFP	Organize and present available data and data gaps; identify metrics (if any) for preliminary strategies	Develop plan for ongoing data collection and management, including addressing critical data gaps	
* Assume “buildings” and “transportation” are critical sectors; prioritize these and community resilience.				



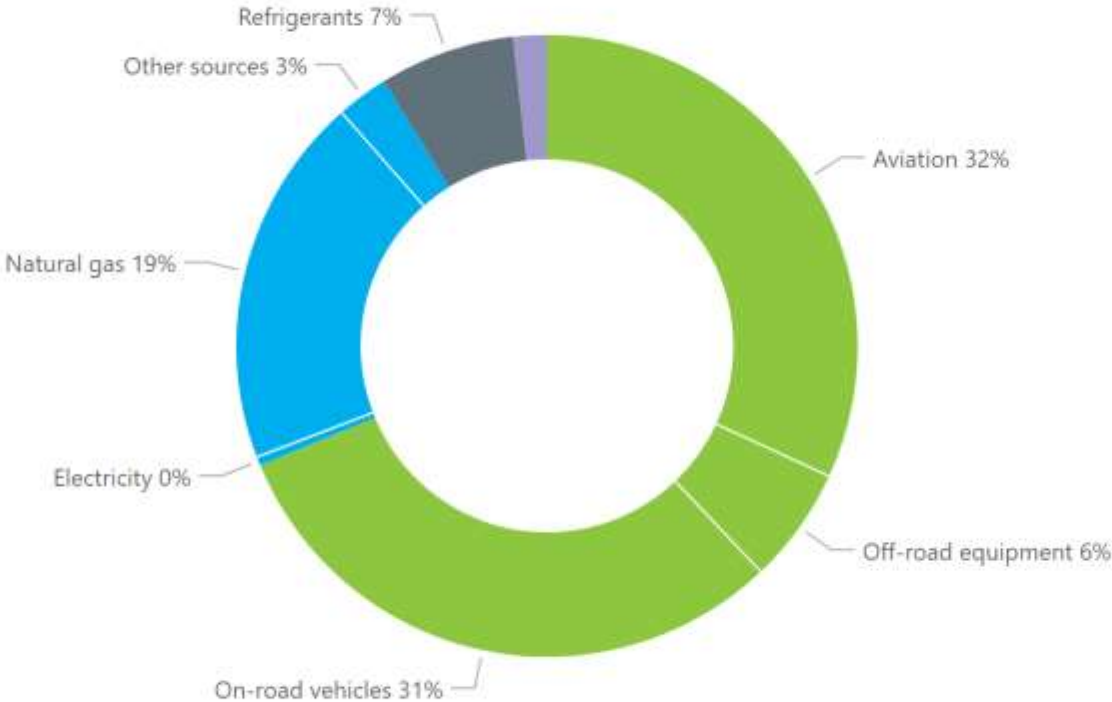
LFP Greenhouse Gas Emissions in 2019

From King County BiPortal inventory dashboard

Total Emissions, by Sector

This PowerBI inventory dashboard tool uses methodologies as described in the King County Geographic GHG Inventory Report available at: www.kingcounty.gov/climate

Many cities in King County also independently conduct their own greenhouse gas (GHG) emissions inventories which can use different methodologies.



Sector ● Transportation & Other Mobile Sources ● Built Environment ● Refrigerants ● Solid Waste & Waste

Total GHG Emissions for Lake Forest Park in 2019:
100,091 MTCO2e

- Jurisdiction
- ☐ Algona
 - ☐ Auburn
 - ☐ Beaux Arts Village
 - ☐ Bellevue
 - ☐ Black Diamond
 - ☐ Bothell
 - ☐ Burien
 - ☐ Carnation
 - ☐ Clyde Hill
 - ☐ Covington
 - ☐ Des Moines
 - ☐ Duvall
 - ☐ Enumclaw
 - ☐ Federal Way
 - ☐ Hunts Point
 - ☐ Issaquah
 - ☐ Kenmore
 - ☐ Kent
 - ☐ King County
 - ☐ Kirkland
 - ☐ Kitsap County
 - ☒ Lake Forest Park
 - ☐ Maple Valley
 - ☐ Medina
 - ☐ Mercer Island
 - ☐ Milton
 - ☐ Pacific
 - ☐ Pierce County

Year: 2019

2019

LFP Community Survey

What? 40 multiple choice, short answer questions

Why a survey? A first step in giving residents a voice in the CAP process.

Gathered input from the residents of LFP about their climate change attitudes and understandings

Using these understandings to inform the development of the city's Climate Action Plan

Tool to advertise the work of the city

How? Survey designed by LFP CAC.

Distributed at farmers markets and other events, to 39 groups including shoreline area news, apartment complexes, schools, PTA's, etc.

When? August 2022 through December 2022

Who Responded? 446 people answered the survey

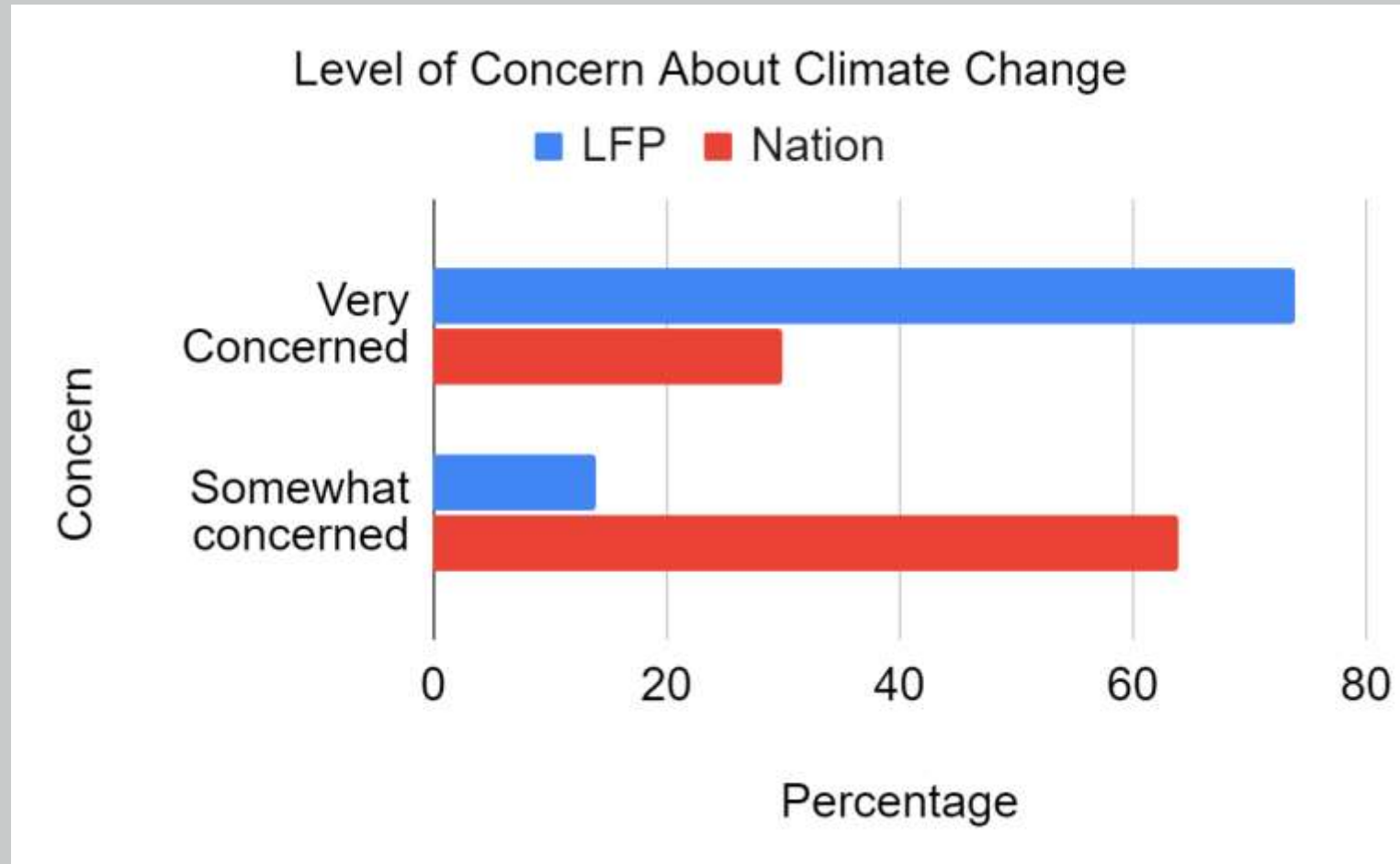
Main Take Aways of Survey

- The community cares very much about climate change
- Individuals in the community gather information from many different sources
- LFP should partner with neighboring cities as we address climate issues (good example is eastside collaborating around heat pumps)
- Short answers inform education and outreach efforts

The community cares very much about climate change

- 88% of LFP survey respondents are either very or somewhat concerned
- 94% of Americans* are either very or somewhat concerned
- Larger percentage of people who are 'Very Concerned' in LFP vs. Nation.
- others not concerned

*Yale Climate Communication Survey in July 2022



Individuals in the community gather information from many different sources

The range is from scholarly journals, newspapers, the internet in general, some specific climate organizations. On the internet Facebook, Twitter and Instagram make up 69% of the internet responses. Other sources include Buy Nothing, King County, Next Door, Reddit, TikTok, LinkedIn and Snap chap. A few responses are from TV, climate action and policy sites and gardening groups

Respondent Top
Priority: LFP should
partner with
neighboring cities
as we address
climate issues



Save energy. Stay comfortable.

Heat pumps are an energy efficient way to heat and cool your home at a lower cost than traditional heating systems. Energy Smart Eastside supports your switch to heat pumps by offering educational workshops and program-exclusive incentives.

We can utilize strategies or actions like those listed below to reduce our community's contribution to climate change. Do you think our City should make these strategies a high, medium or low priority?

Of the 15 Strategies presented on the survey

3 Most popular

Partner with other cities to influence climate friendly policy changes (59% high priority)

Transition to non-fossil fuel transportation (electric vehicles, biking, etc.) (56% high priority)

Inform residents about existing incentives/subsidies for people and businesses to transition to non-fossil fuels (55% high priority)

3 Least popular

Establish a library for people to check out electric/battery powered landscaping equipment (24% high priority)

Establish and electric powered community shuttle (26% high priority)

Require every homeowner selling their home to provide potential buyers an energy audit that defines household energy uses, losses and potential improvements (16% high priority)

Short answers inform education
and outreach efforts

Public transportation

- Data on health and safety issues to counter the idea that buses/light rail are unhealthy places.
- Route information-would it be useful to provide a booth on using onebusaway and other tools for route finding



Walk instead of drive?

It is too dangerous



Switch to electric appliances

- Comparison of projected costs of operating electric vs gas appliances
- Any info we have on subsidies/tax incentives for installing electric appliances
- Demo booth on gas vs. convection cooking



Electric Vehicles

- Data/graph of past and projected availability and costs of EV's
- Booth/webpage that helps people envision EV's in their lives
- Thinking about how they live their lives and what kinds of EV's that are available now and/or will be available that would fit their needs.
- Comparison of advantages and disadvantages of EV's, hybrids, combustion engines



Next Steps

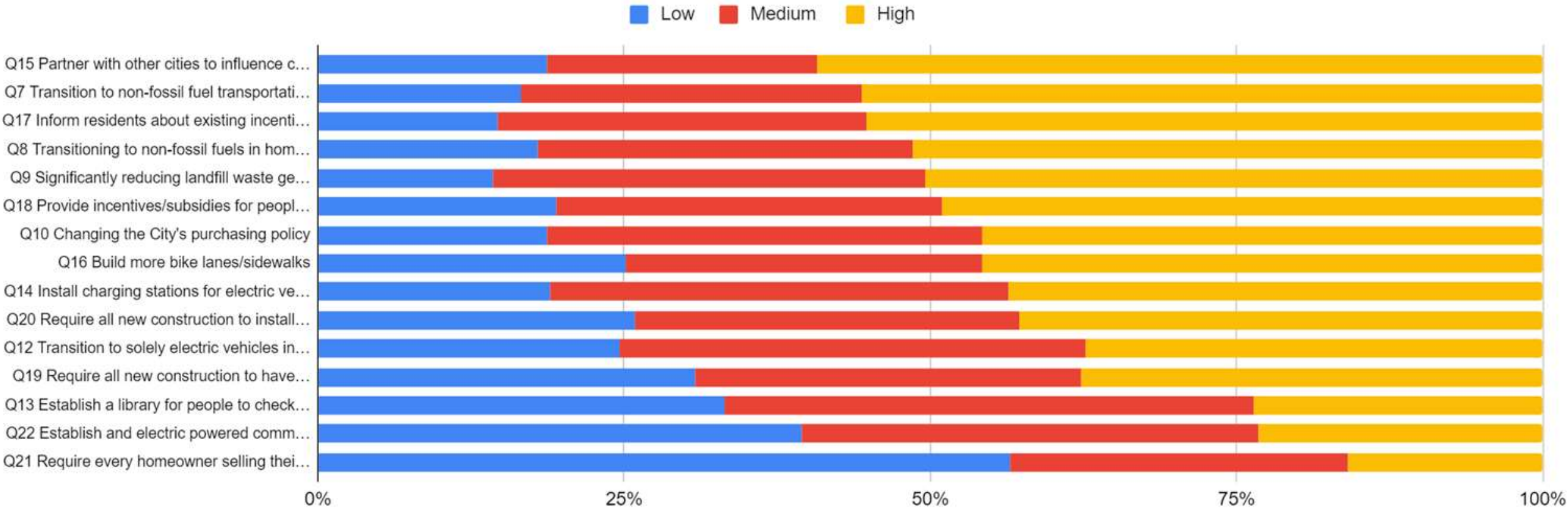
- Outreach to community: Green Fair, Farmers Market and Garden Tour
- Create draft of Climate Action Plan
 - Do we submit to council or get community feedback first?
 - Implementation, Kenmore model of hiring staff
- Work with city council to explore partnership opportunities with Shoreline, Kenmore, Bothell, Woodinville other?



Thank You!

Survey results slides

We can utilize strategies or actions like those listed below to reduce our community's contribution to climate change. Do you think our City should make these strategies a high, medium or low priority? (Ordered for graph with highest priority at top)



Demographics : Who did we reach?

3.3%* of LFP population answered the survey (446 people answered the survey/13,500 people live in LFP)

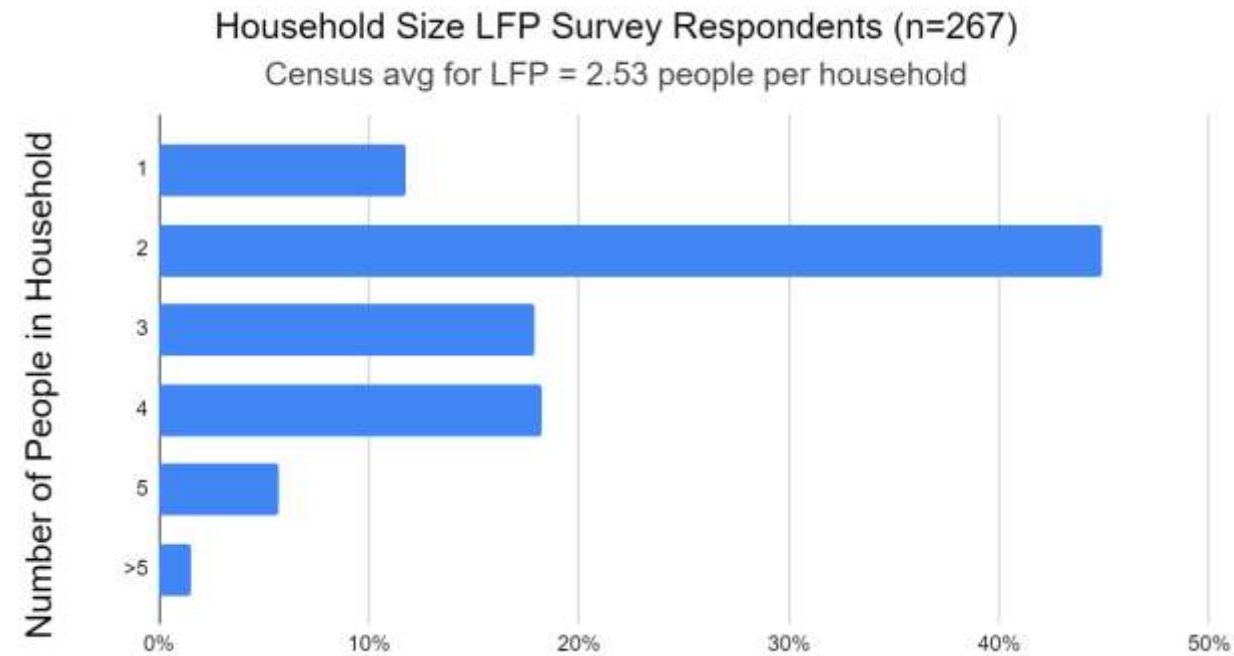
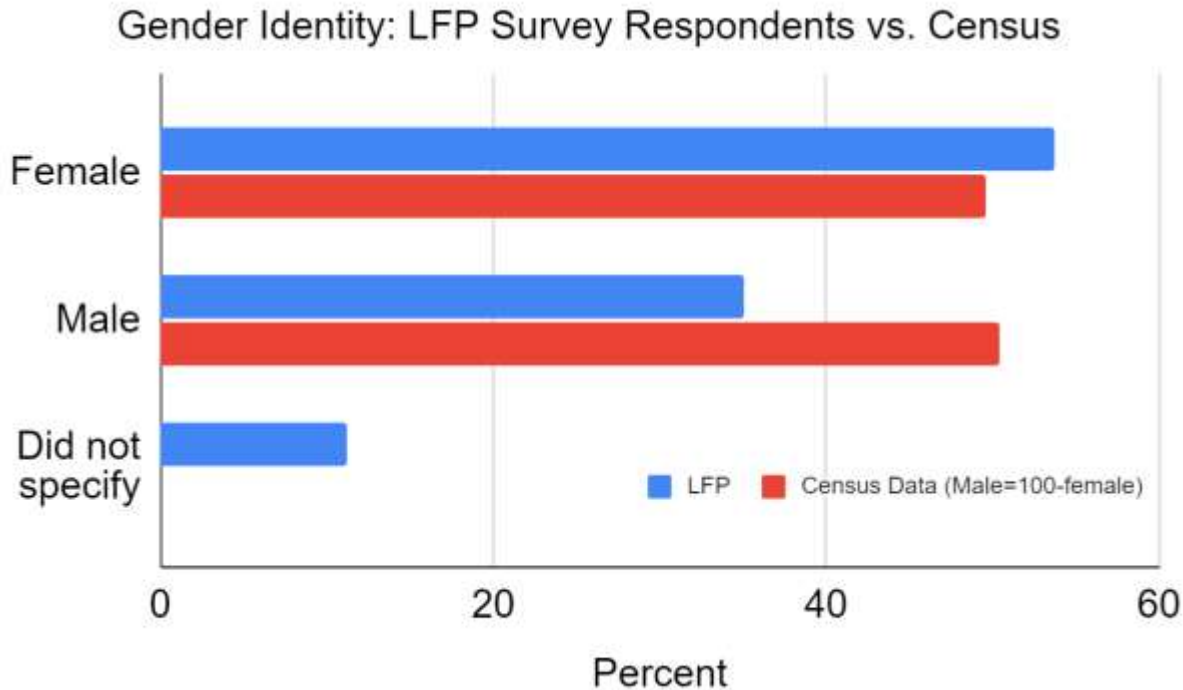
- 85% own a home in LFP

Census data: Owner-occupied housing unit rate, 2017-2021: 78.8%

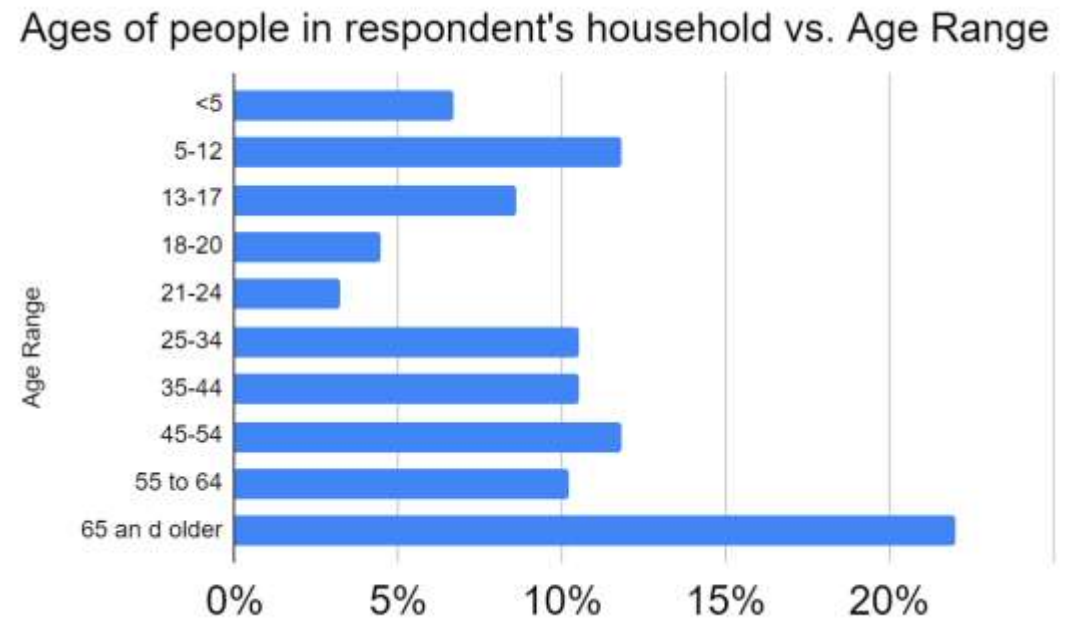
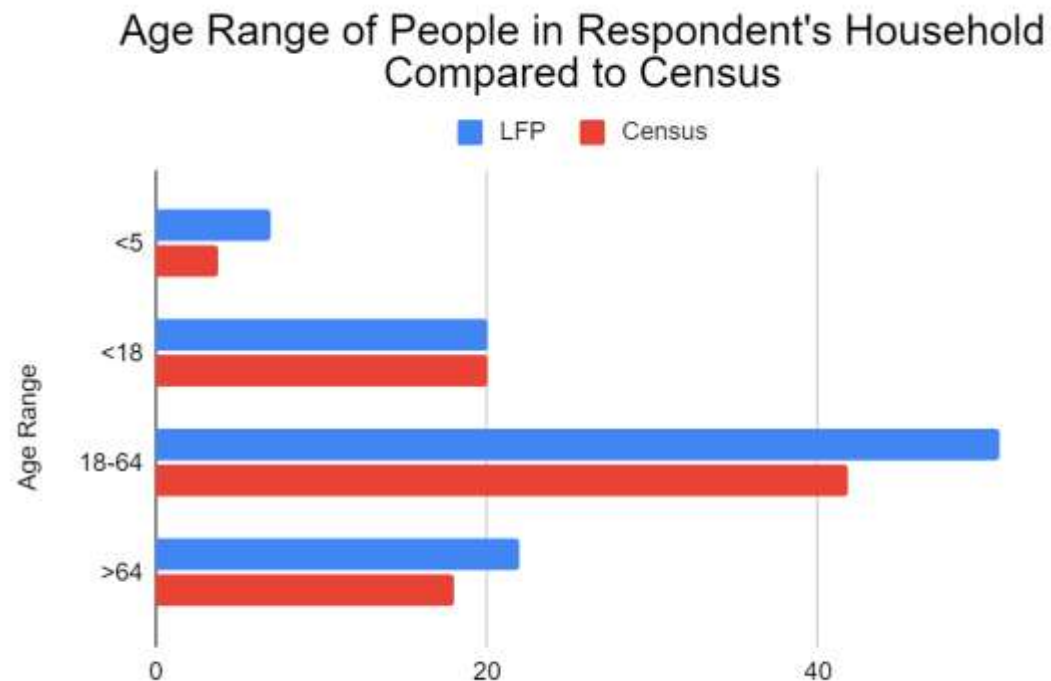
- 7% rent homes, and
- 6% selected other (27 people, incl those who rent apartments)

92% live in LFP (others live primarily in Shoreline)

Who did we survey? How does it compare with census data on LFP?



Who did we survey? How does it compare with who lives in LFP?

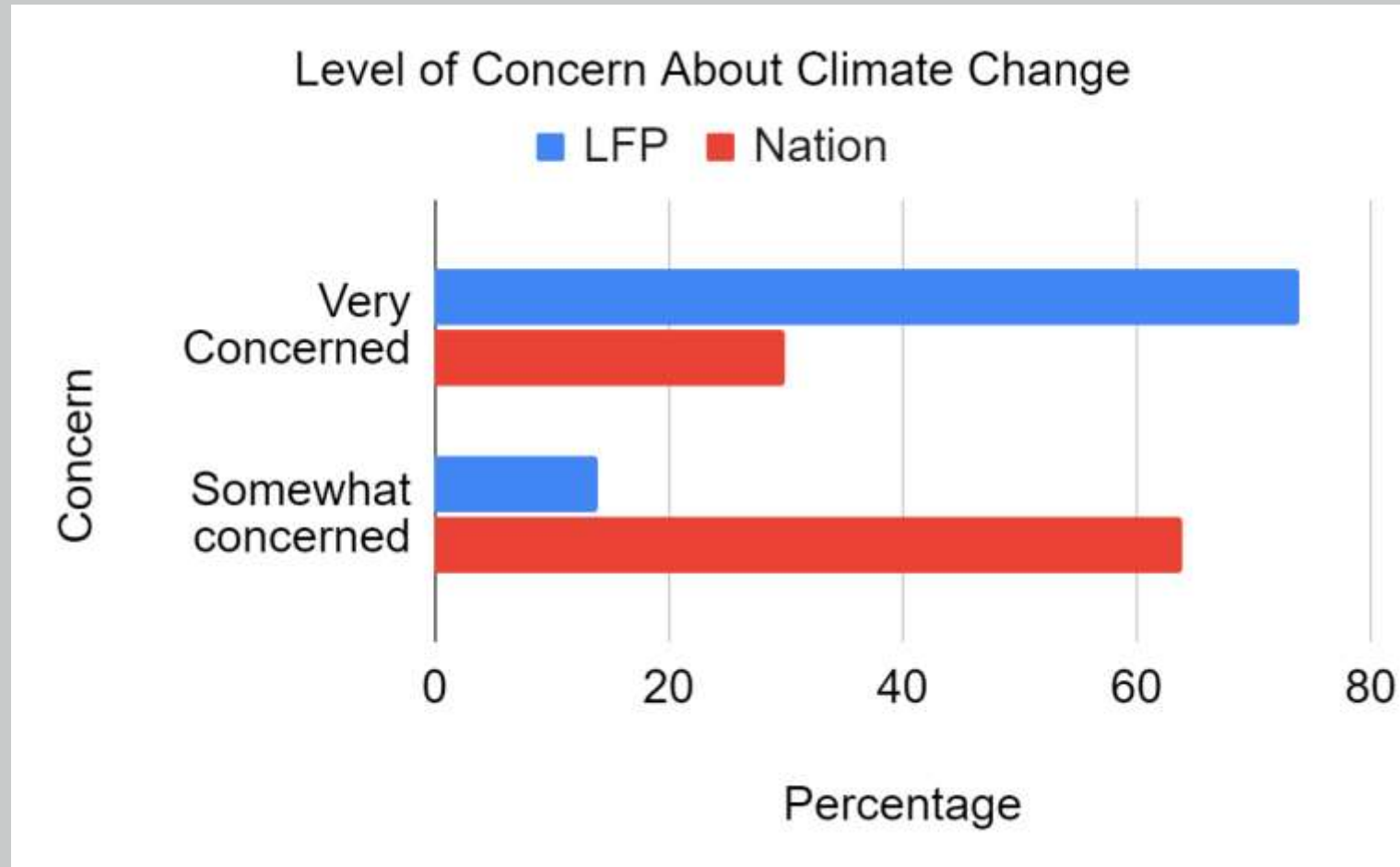


Census report only broke age down into four groupings-those shown on the left plot.

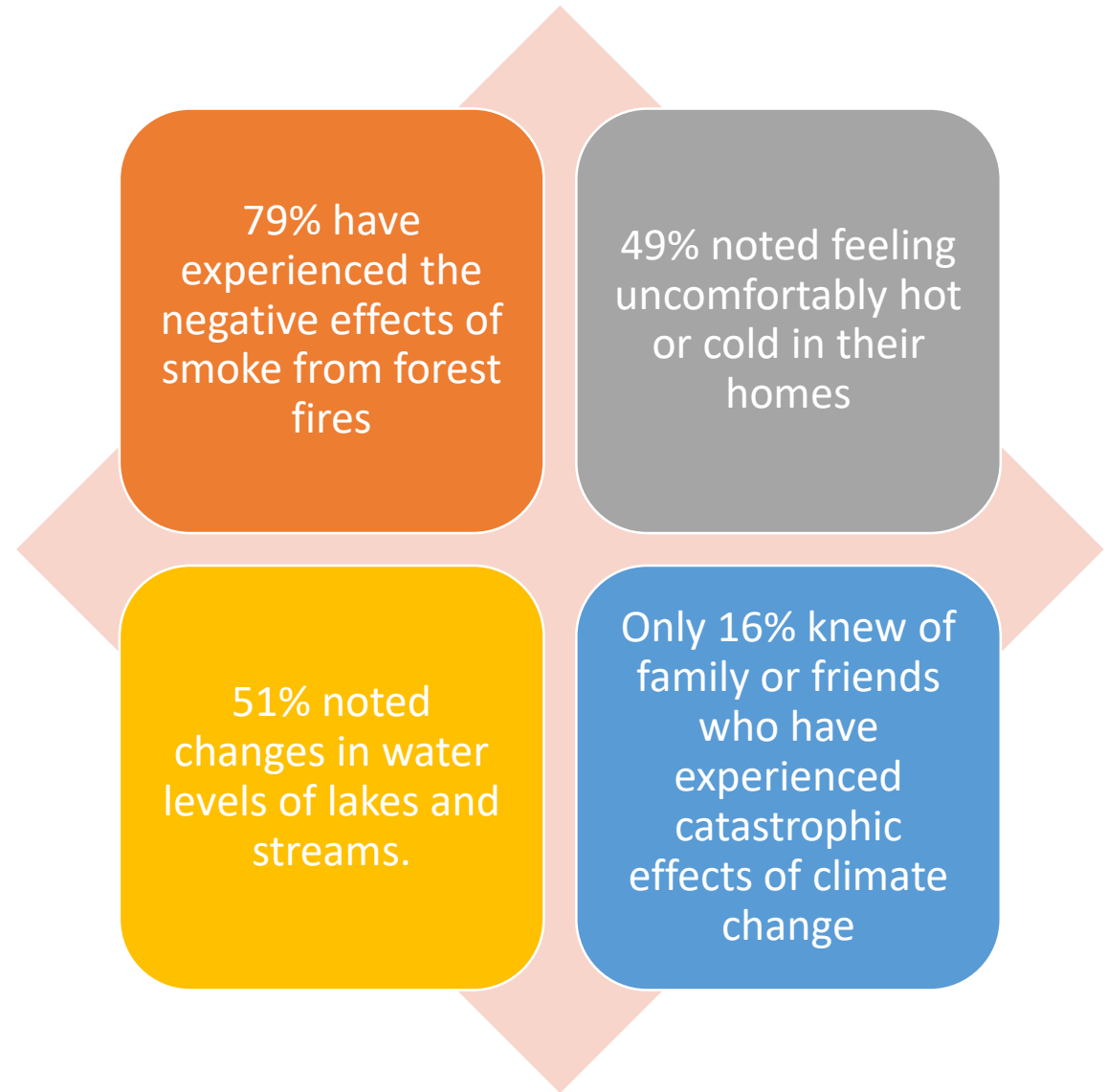
Concern About Climate Change

- 88% of LFP survey respondents are either very or somewhat concerned
- 94% of Americans* are either very or somewhat concerned
- Larger percentage of people who are 'Very Concerned' in LFP vs. Nation.
- others not concerned

*Yale Climate Communication Survey in July 2022



Q4: In what ways have you been affected by climate change?



Responses
to “other”
ideas for
how
effected by
climate
change:

	# of responses	Working title	Descriptive sentence
	28	Phenomenon's/ Earth cycles	Changes in weather patterns, fire, snowpack and other atmospheric events
	22	Unconcerned	Not concerned or in denial of climate change
	21	Climate Anxiety	Personal feelings of anxiety and emotions for themselves and future generations
	16	Local ecology	Observable impacts to surroundings plants, animals and other ecology
	3	Outliers	A couple of questions were not responsive

Q5: What are you doing as a result of the changing climate?

- Respondents are reacting to impacts of climate change by doing things that provide immediate respite.
 - 71% are limiting activities
 - 41-45% of respondents are adding air filters and/or air conditioning.
-
- Changing landscaping and planting trees which have longer term return on investment, were the least common activity people are taking in response to climate change.

What are you doing as a result of the changing climate?

(Short Answers)

Number	Working title	Descriptive sentence
46	transportation	Driving less, walking, biking more. Rethinking air travel reducing the number of cars in household and purchasing or considering purchasing an EV.
31	Personal choices	People are making personal choices such as eating less meat recycling more, conserving adapting to heat and smoke
20	Gardening/ tree preservation	people who are planting natives creating mindful gardening reducing watering lawns using electric garden tools and monitoring old growth
20	Home Improvement	people making home improvements such as heat pumps, solar, AC and eliminating natural gas
13	Advocacy/ volunteering	volunteering working for park restoration shoreline trees voting for climate friendly policies and advocating for action through local government agencies and schools
10	Venting	Includes climate deniers who believe we are wasting tax money time and energy.
8	Education	people educating themselves by reading and sharing information with others, starting conversations and teaching about climate
3	Donations	contributing to native conservation like the Sierra Club and rent to indigenous communities
3	misunderstood	people who didn't answer the question misunderstood; Speaking of issues that didn't need attention; I don't know what that is OK

What Strategies or Actions Should the City Prioritize?

respondents selected low, medium or high priority for Questions 7 to 22

Most of the suggestions were rated as either high or medium priority by over 75% of the respondents.

Partnering with other cities to influence climate friendly policy changes received the most “high” ratings.

The least popular option, Q21, requiring every homeowner selling their home to provide potential buyers and energy audit was rated low priority by over 50% of the respondents.

Strategies and actions (combined)

Q15 Partner with other cities to influence climate friendly policy changes

Q7 Transition to non-fossil fuel transportation (electric vehicles, biking, etc.)

Q17 Inform residents about existing incentives/subsidies for people and businesses to transition to non-fossil fuels

Q8 Transitioning to non-fossil fuels in homes, businesses, school buildings, and city buildings

Q9 Significantly reducing landfill waste generation

Q18 Provide incentives/subsidies for people and businesses to transition to non-fossil fuels

Q10 Changing the City's purchasing policy

Q16 Build more bike lanes/sidewalks

Q14 Install charging stations for electric vehicles

Q20 Require all new construction to install heat pumps

Q12 Transition to solely electric vehicles in the City's fleet

Q19 Require all new construction to have non-gas appliances and/or heating

Q13 Establish a library for people to check out electric/battery powered landscaping equipment

Q22 Establish and electric powered community shuttle

Q21 Require every homeowner selling their home to provide potential buyers an energy audit that defines household energy uses, losses and potential improvements

“Other” free responses (to strategies city could utilize to reduce community’s contribution to climate change)

# of responses	Working title	Descriptive sentence
34	Not Relevant	Answers not relating to the question or not yet possible
28	Transportation	Providing clean transportation and encouraging walking and biking
19	Unconcerned/ against change	Residents blame the government and have a disbelief in the problem
13	Screen spaces and trees	Installation/protection of already existing trees and green spaces
10	Alternative energy sources	Encourage solar power and hydro power instead of fossil fuels and gas
4	Zoning housing and infrastructure	Support/against zoning that would make denser housing and communities
3	Emergency response	Have emergency fund for emergency event response to extreme weather events



Questions 24
thru 30 asked
what ways **the
respondent** is
minimizing their
contribution to
climate change.

Half are choosing to walk rather than drive (Q26)

Fewer than 25% are biking or driving electric vehicles. (Q24 and Q25)

Most to least popular:

Q26 Walk instead of drive?

Q30 Have only electric/battery powered landscaping equipment?

Q27 Take Public Transit instead of drive?

Q29 Have only electric appliances in your home?

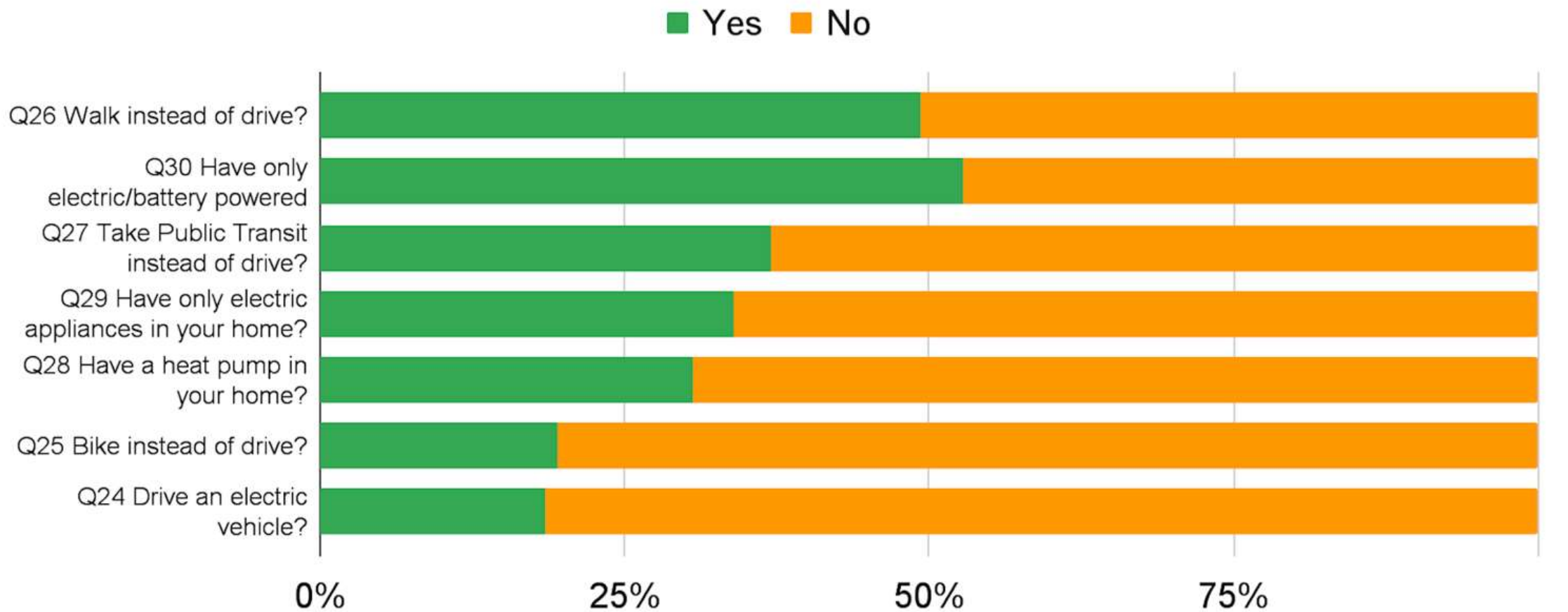
Q28 Have a heat pump in your home?

Q25 Bike instead of drive?

Q24 Drive an electric vehicle?



There are a variety of ways we can minimize our individual contribution to climate change. Do you currently....

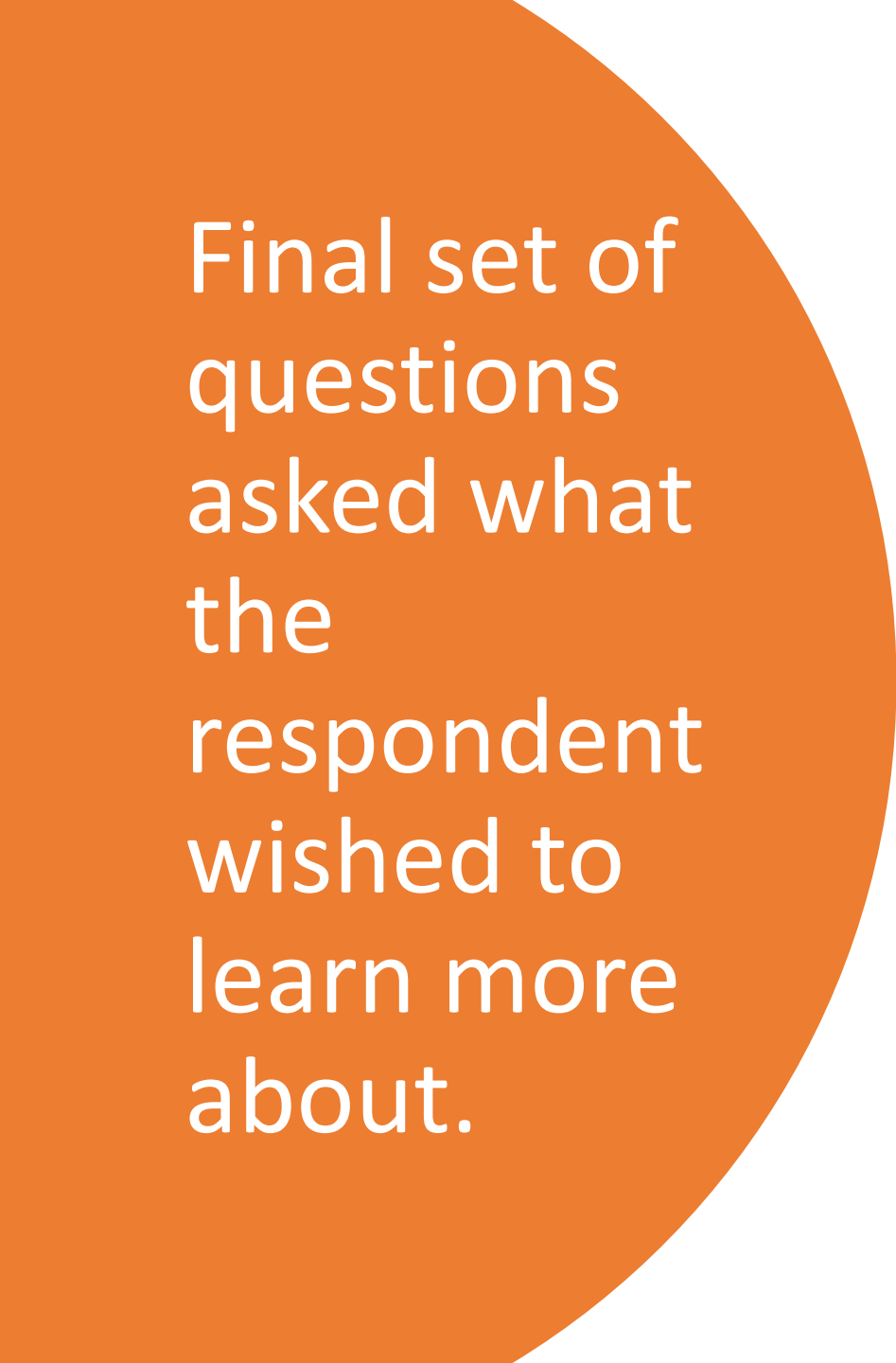


Why don't you bike?

# of responses	Working title	Descriptive sentence
85	Accessibility Issues	A significant number of respondents had accessibility issues with biking—ie age, disability
62	Infrastructure	Concerns about safety and lack of infrastructure
60	Local topography	Concern about hilly topography and bike infrastructure
36	Bike not feasible	Long distance to work and/or work requirements
32		These respondents expressed no desire to use a bike
25	Children and cargo	These respondents expressed concerns with transporting children and cargo.
14		Shut-ins or work from home
9	E Bike	These respondents ride an e-bike
3	Cost	Concerns about expense and affordability

Why don't you drive an EV?

# of responses	Working title	Descriptive sentence
123	Cost of an EV	The cost of an EV is prohibitive.
71	Current vehicle works	The current vehicle is working for now.
47	Charging Infrastructure and range	Concern about charging structure and the range for EV driving.
20	EV not the solution	The cost and energy used to build and operate an EV are not climate friendly.
7	Next Purchase EV	These residents are planning to purchase an EV.

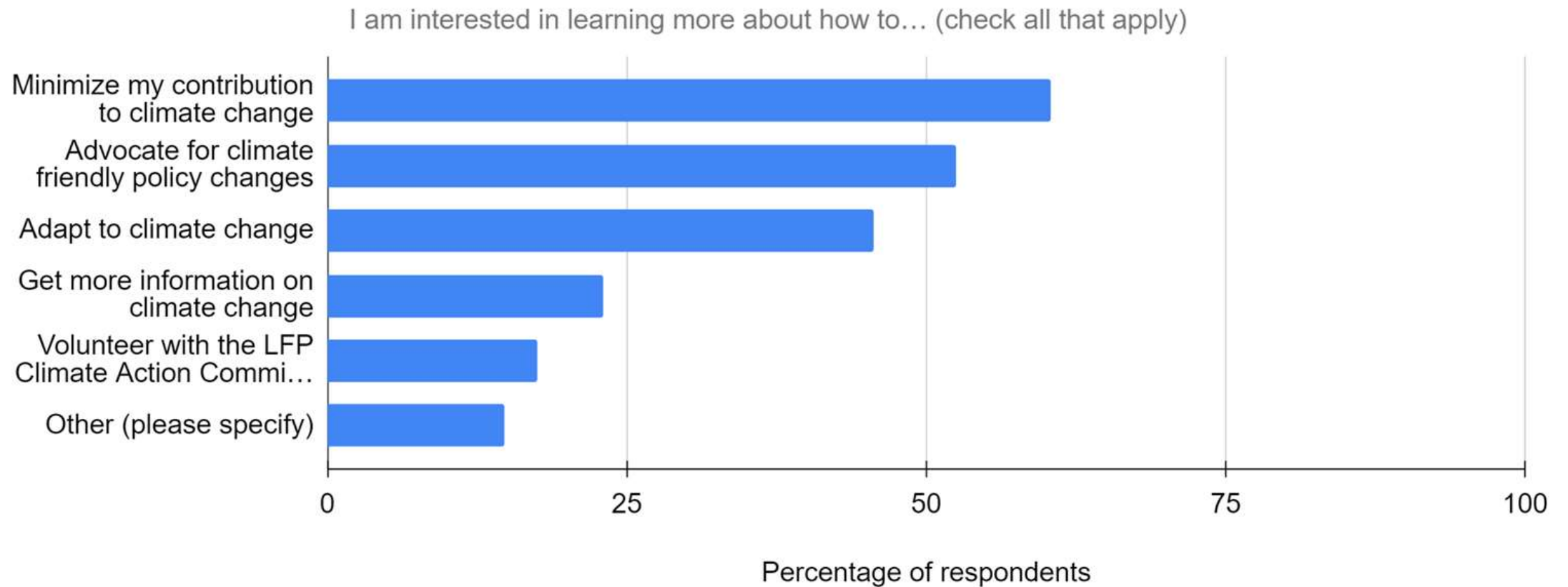
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Final set of questions asked what the respondent wished to learn more about.

Most popular was learning more about minimizing their contribution to climate change (60% of respondents), and almost as popular was learning more about advocating for climate friendly policy change (53%).

Of the 5 options listed (see figure in next slide) the least popular was getting more information on climate change (23%) and volunteering with the LFP Climate Action Committee (17%).

What do you want to learn more about?



Q 31

Is there anything else you do to minimize your individual contribution to climate change?

# of responses	Working title	Descriptive sentence
57	Recycle	Recycle as much as possible and expand opportunities to recycle and to reduce and eliminate plastics.
49	Conservation of heat and water resources	Residents took specific actions to conserve heat and water including short showers, not watering lawns diet considerations—vegan and vegetarian diets and now having children.
27	Less travel	Residents are traveling less especially by airplane, working from home and consolidating car trips.
19	Local shopping and reuse	Residents are shopping locally if they can consolidate deliveries and shopping at re-use stores.
16	More Composting	Residents are composting on site and using commercial composting (Ridwell and Republic)
3	Vote	Residents vote and encourage others to vote for people who support their point of view

Take Home Points

Recommendations to the city

- Partner with neighboring cities

- Mitigation strategies

- Adaptation, resilience building

- Provide citizens avenue to advocate for climate friendly policy (LWV info)

What do people need to know more about in order to make informed decisions, take action?

e.g. Should we be encouraging installment of heat pumps instead of air conditioners (someone who knows the engineering, please comment here! since creating more comfortable living environment is one thing >40% of respondents are already doing.

Misconceptions we should address through public outreach