



# UBC Okanagan Climate Action Plan 2030

## Public Engagement Summary Report

June 2021



THE UNIVERSITY OF BRITISH COLUMBIA

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# Executive Summary

## Climate Action Planning at UBC

In December 2019, [UBC declared a climate emergency](#), which included a commitment to accelerate the reduction of emissions at UBC Vancouver and UBC Okanagan. A key step is UBC's development of a Climate Action Plan 2030 (CAP 2030) for both campuses.

The CAP 2030 process builds on UBC's past successes in climate change mitigation and action, which have resulted in significant emissions reductions from core operations. However, CAP 2030 is enabling UBC to significantly extend its global climate leadership by developing an accelerated pathway for UBC to become net zero through new clean energy solutions and energy-efficient technologies, as well as identifying new ways to reduce emissions in areas that every university community member has influence over including commuting, food, waste, and business air travel.

[Emerging directions and draft targets for CAP 2030](#) were presented to the Board of Governors in February 2021. The final CAP 2030 will be presented to the Board of Governors in November 2021 and will incorporate direction from the Board of Governors, refinement of targets and actions through on-going studies, as well as input received through public engagement.

## CAP 2030 Public Engagement

From March 29 – April 16, 2021, UBC's Campus and Community Planning held a university-wide engagement process on CAP 2030. This engagement process was an opportunity for UBC community members to learn about the emerging CAP 2030, ask questions, and share perspectives. Engagement took place on both UBC campuses, however this report focuses on the Okanagan campus; please go [here](#) for more information about the UBC Vancouver CAP 2030 engagement.

### Engagement Activities

We heard from a total of **218 participants** through two virtual engagement activities:

- **Online Survey (177 participants):** The online survey was a chance for the UBC Okanagan campus community to submit feedback about the CAP 2030 emerging directions and targets as well as provide insights about the barriers and opportunities for climate action on campus.
- **Virtual Open Houses (41 participants):** Two virtual open houses were held for the Okanagan campus community to connect with the CAP 2030 team over Zoom, watch a presentation and have a Q&A with UBC staff and the planning project team.

## What We Heard

Through our online survey and virtual events, we heard feedback from participants about the emerging CAP 2030, and the barriers and opportunities for climate action on campus. Feedback was focused specifically around five areas focused on indirect emissions (called "extended impacts"): (1) engagement, (2) commuting, (3) UBC business-related air travel, (4) climate-friendly food systems, and

(5) waste. The main themes that we heard during the CAP 2030 public engagement are summarized below and more detailed information can be found in the Appendices at the end of this report.

## THEMES WE HEARD



### Support for UBC Continuing to be a Climate Leader

First and foremost, we heard broad support, interest and passion about UBC's climate and sustainability agenda. It was clear from the submitted feedback that the UBCO community is already very engaged in a diversity of climate-friendly initiatives and has many creative and innovative ideas for how they and the university can continue support the region in climate leadership.



### Build More Capacity for Sustainable Commuting

The top comment we received overall was the need for building additional capacity for sustainable commuting. Feedback on this topic included interest in cycling infrastructure upgrades, public transit network improvements, and expanding capacity for carpooling and electric vehicle charging. Respondents were especially interested in additional bike lanes connecting campus to surrounding areas.



### **Provide Incentives to Increase Affordability of Climate Action**

Another theme we heard was about ensuring actions related to the CAP 2030 are affordable for the UBCO community, most notably for UBCO students. Suggestions included incentives to make sustainable food purchases (i.e. buy 9, get 10<sup>th</sup> free), a subsidized Staff/Faculty U-Pass, and incentives for virtual networking and departmental events.



### **Encourage a Climate-Friendly Culture Shift**

There was also interest amongst participants to use CAP 2030 to incite a university-wide culture shift towards more climate-friendly actions and behavior. Feedback included the desire for UBC leadership to lead by example (especially around inter-campus air travel), expanding access to digital resources to reduce printing waste, and adequately resourcing sustainability staff. There was also strong support for systemic UBC change, in addition to individual behavior change.

## **Next Steps**

The ideas and feedback collected from this public engagement process about the emerging CAP 2030 directions and targets, in combination with further technical work, will inform the CAP 2030 development process.

# Appendix I – Engagement Process Summary

## Engagement Process

The UBC Okanagan Climate Action Plan 2030 public engagement was held March 29 – April 16, 2021. Community members participated through an online survey and two virtual open houses.

This engagement process was guided by Campus and Community Planning’s [Engagement Principles](#) laid out in the Engagement Charter. These ten principles define how we engage the public and campus community in the planning and development of our campus, as well as collaborating and partnering on community programs and services.

In total, **218 people participated** in this engagement, either attending the virtual events and/or completing the online survey. Our engagement summary is as follows:

- **41 people** attended two virtual public open houses via Zoom.
- **177 people** completed the online survey.

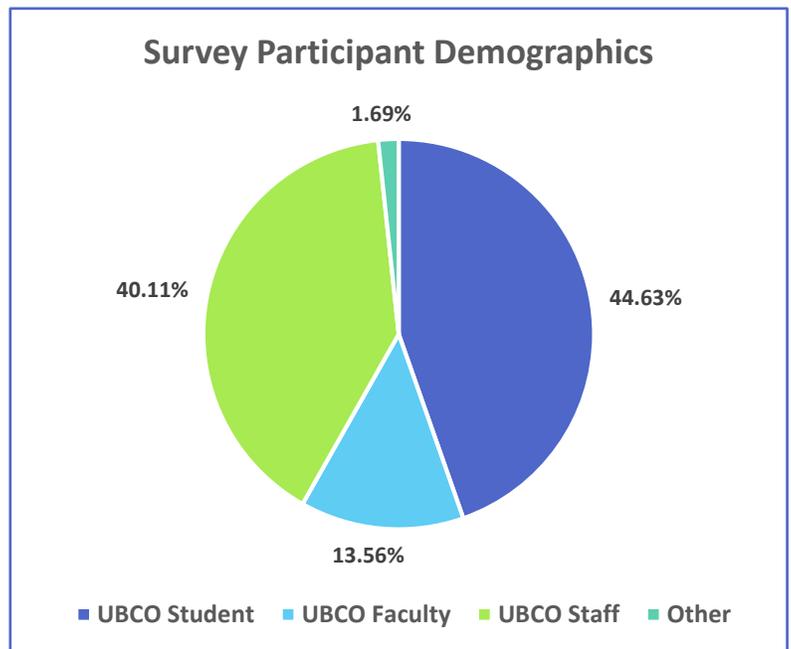
The online survey questions and detailed feedback analysis are included in Appendix II and verbatim survey responses are included in Appendix III.

### Online Survey

The online survey was a chance for the wider community to submit feedback about CAP 2030 emerging directions and targets, as well as provide insights about the barriers and opportunities for climate action on campus. The majority of survey respondents were UBC staff (52%) and UBC students (23%).

### Virtual Open House

The virtual public open houses were held on March 31 and April 8, 2020 over [Zoom](#). These events started with a 20-minute CAP 2030 presentation, but then were drop-in style event where participants met for a Q&A with UBC staff and the planning project team.



## Appendix II – Detailed Survey Results

This section outlines what we heard from the UBC Okanagan Climate Action Plan 2030 online survey that was conducted between March 29 – April 16, 2021.

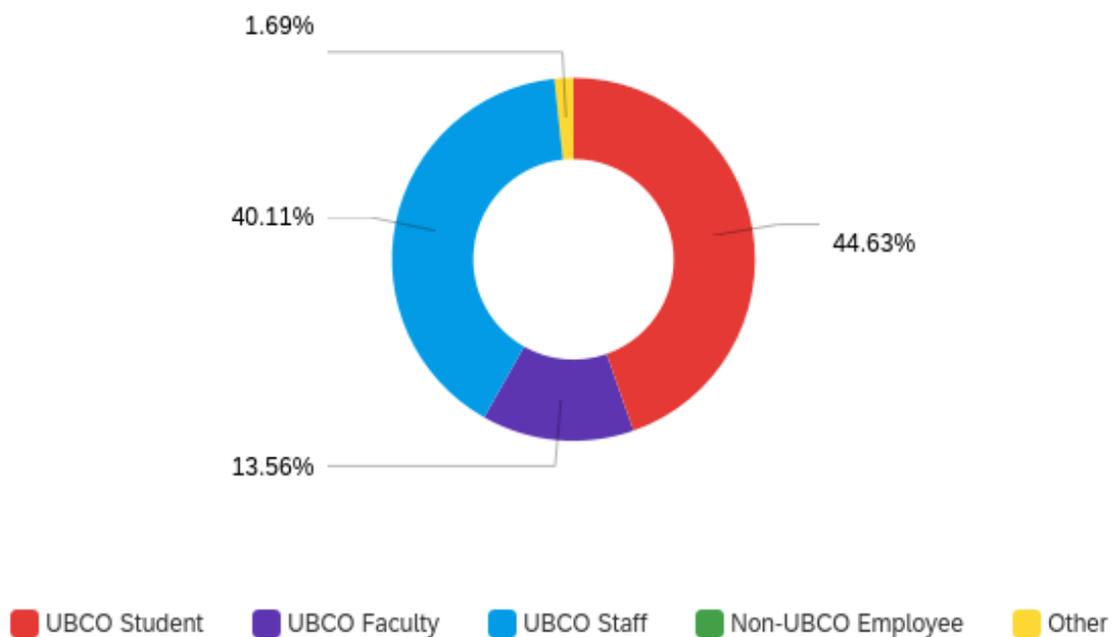
Both qualitative and quantitative feedback were collected through the online survey. The quantitative feedback is summarized below in a number of different charts and visualizations. This data was collected through multiple choice and Likert scale questions, with options to add text entries under “Other” for most questions. It is important to note that most questions had the option to “select all that apply,” so percentages of responses will not sum up to 100%.

The qualitative verbatim responses collected were reviewed and themed according to the sentiment of each comment. Top themes for open-ended survey questions are highlighted in the tables at the end of this Appendix. These include themes with an occurrence rate of 5% or more of the total number of comments for each question.

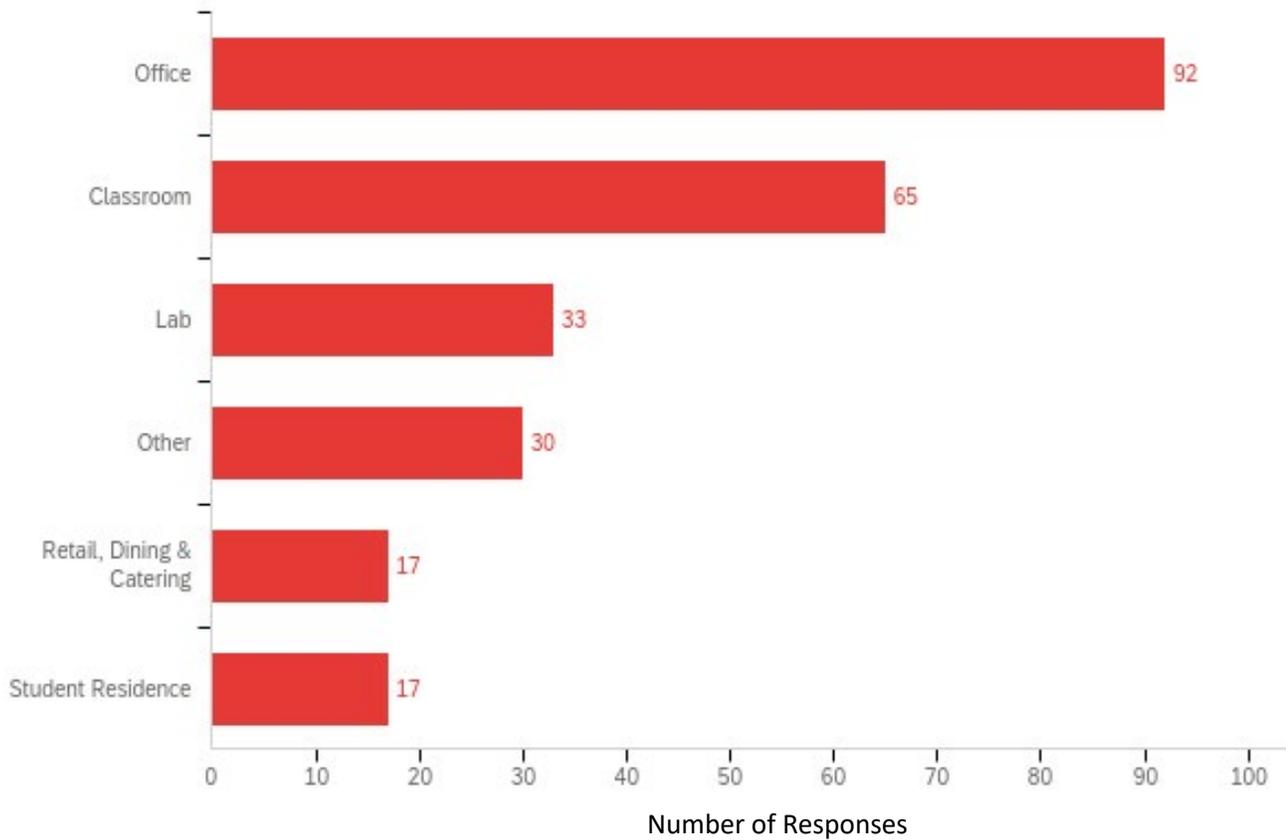
The top themes heard in the following charts and tables were collected and analyzed to develop the key takeaways for what we heard in the Executive Summary of this report. Responses to multiple choice, ranking and “other” text entry questions were combined with open-ended question responses to identify the top opportunities and barriers to specific climate actions for the UBC Okanagan campus.

### Section 1: Demographics

#### 1. What is your primary connection to UBCO?

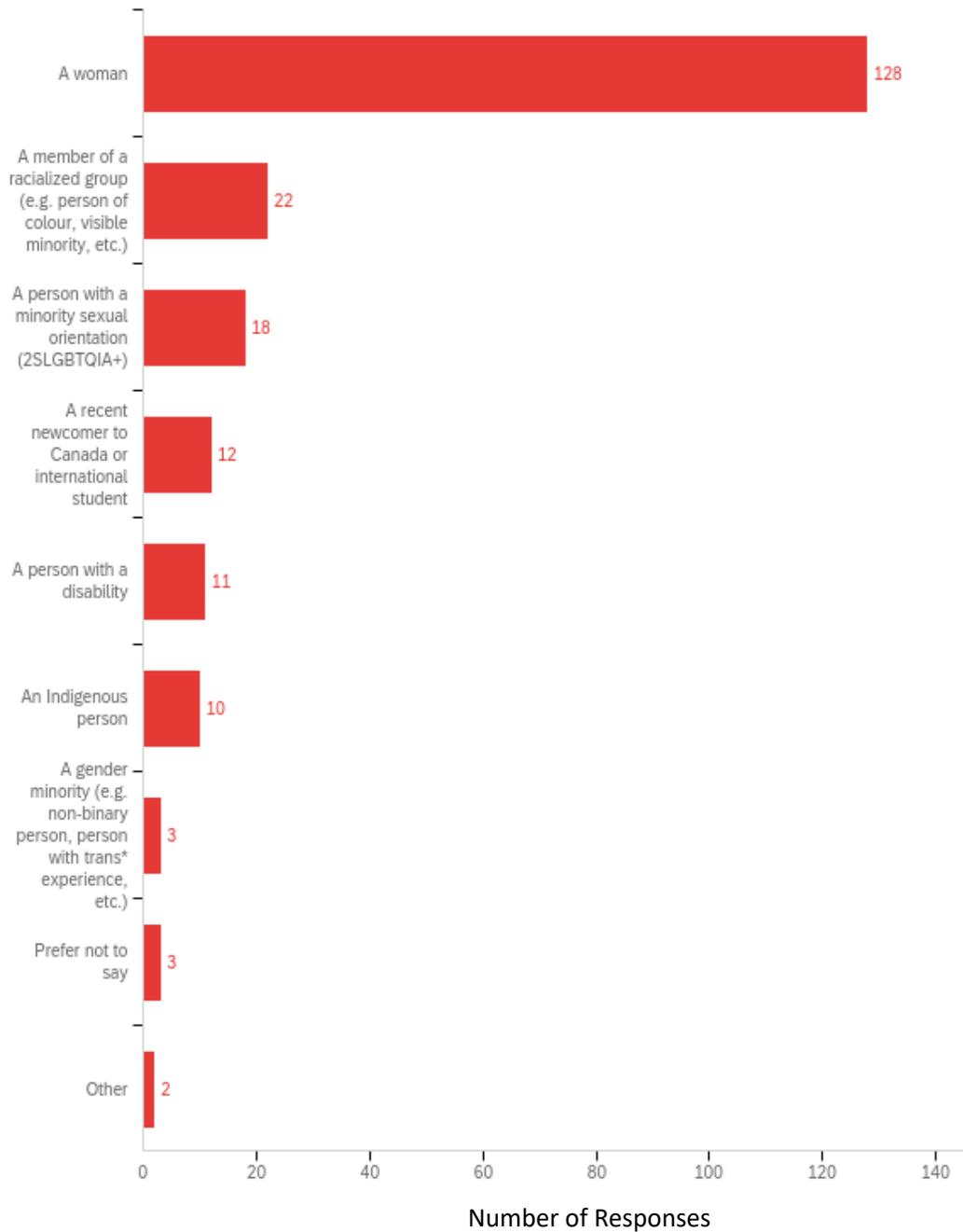


**2. When not based remotely due to COVID, where do you spend the majority of your time on campus? (Select all that apply)**



Other: Study spaces, library and recreational facilities.

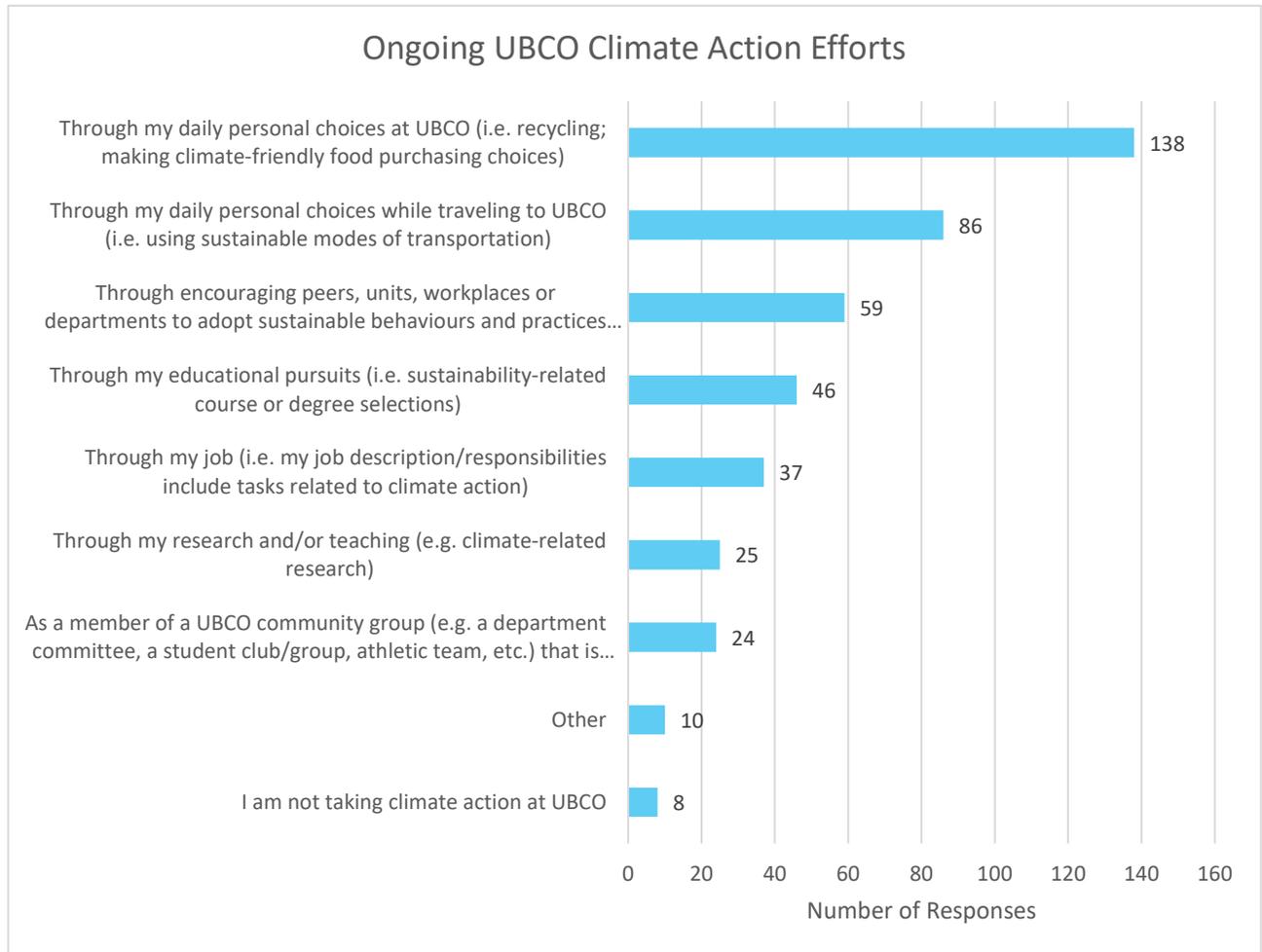
**3. UBC is interested in knowing whether the voices of groups who have been historically, persistently, or systemically marginalized are represented in this engagement process. Do you self-identify as (select all that apply):**



Other: Seniors.

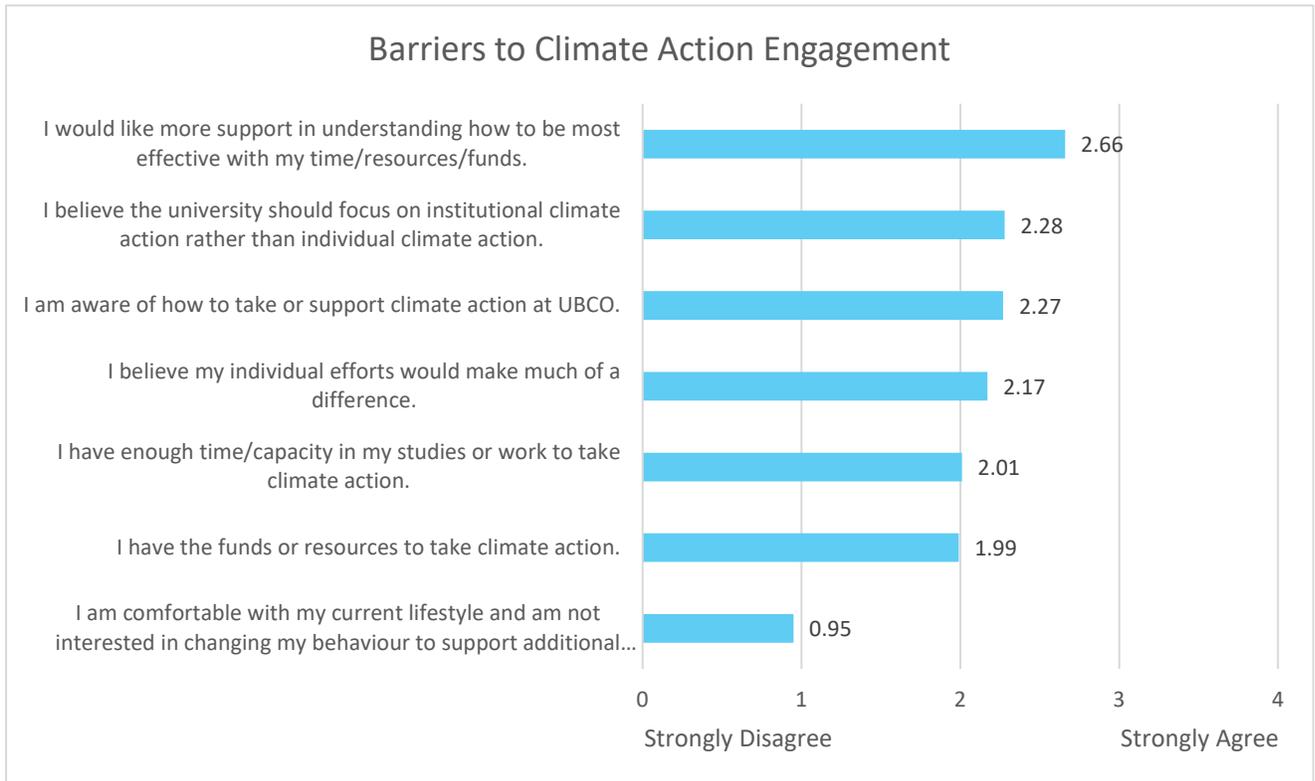
## Section 2: Climate Action Engagement

- 1. We recognize that many efforts to address the climate crisis are already ongoing across UBCO's campus. How have you been taking climate action and/or supporting others to take climate action at UBCO? (Select all that apply)**



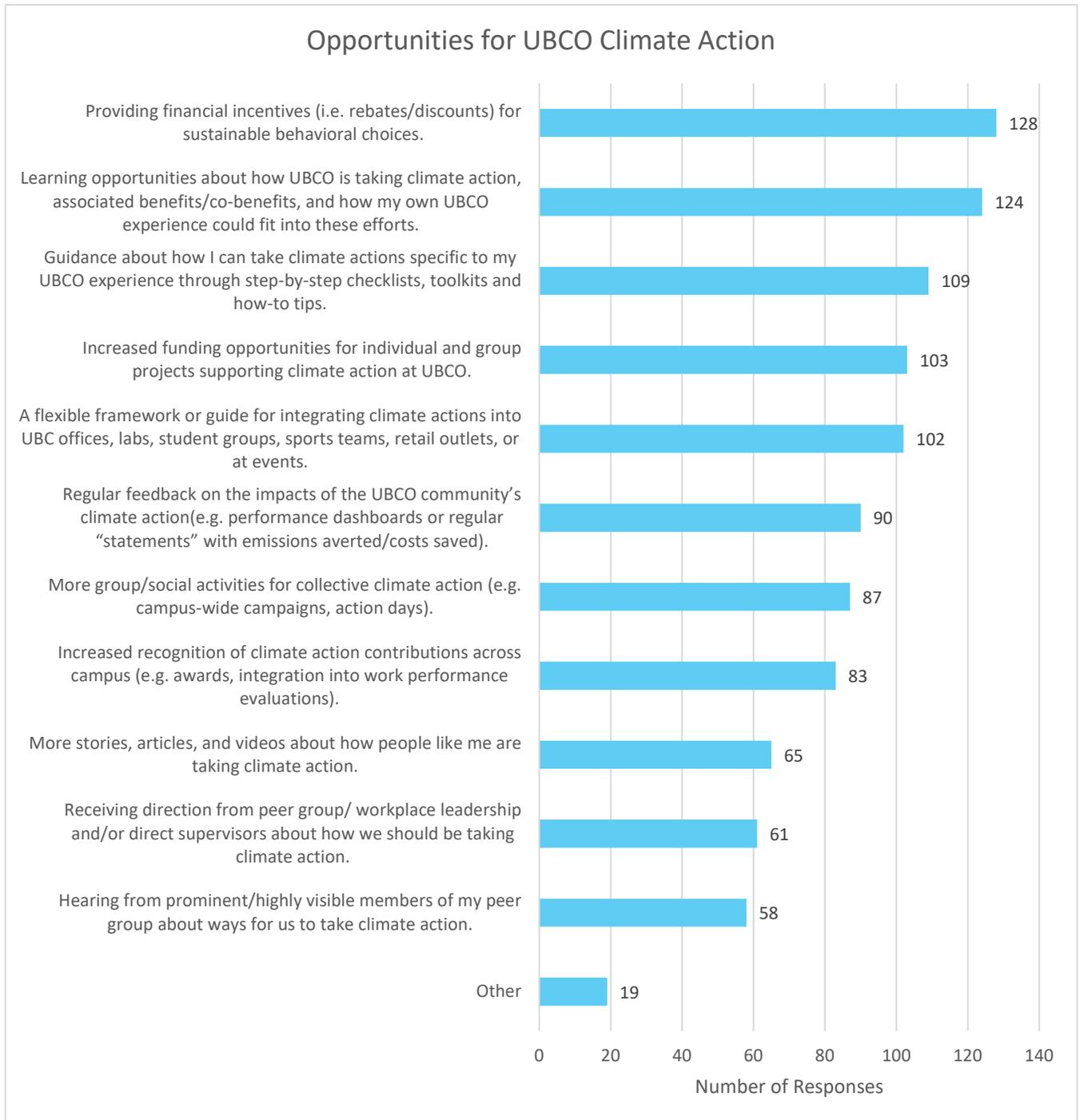
Other: Personal choices around climate justice; plant-based diets; political choices.

**2. To help us understand the barriers (all/if any) to taking general climate action at UBCO that you have experienced, how much would you agree or disagree with the following statements:**



Other: Lack of manager support; sustainable transportation not an option due to far distances; need to also focus on institutional action and not just individual action; limited resources at UBCO compared with UBCV.

### 3. Which of the following options would be helpful in supporting you to take climate action at UBCO? (Select all that apply)



Other: Faculty-staff transit pass; encouraging working and learning from home; individual discount at food retailers; integrate student and faculty research in decision-making.

### Section 3: Commuting

*Please note: In November 2020, UBC Okanagan Campus Planning conducted a Transportation Plan survey to learn more about community commuting behaviour. Therefore this survey does not go into detail about commuting behaviour, however you can visit the [UBC Okanagan Transportation Plan website](#) to learn more.*

- 1. As a UBCO community member, how willing would you be to shift your own behavior to reduce greenhouse gas emissions from commuting to and from UBCO? (0=Not at all willing, 3=Very willing)**

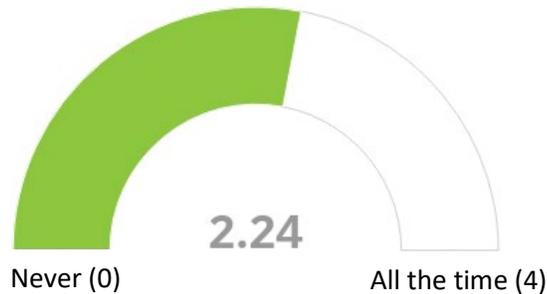
Participants responded that they are on average quite willing to shift behaviours towards more sustainable commuting.



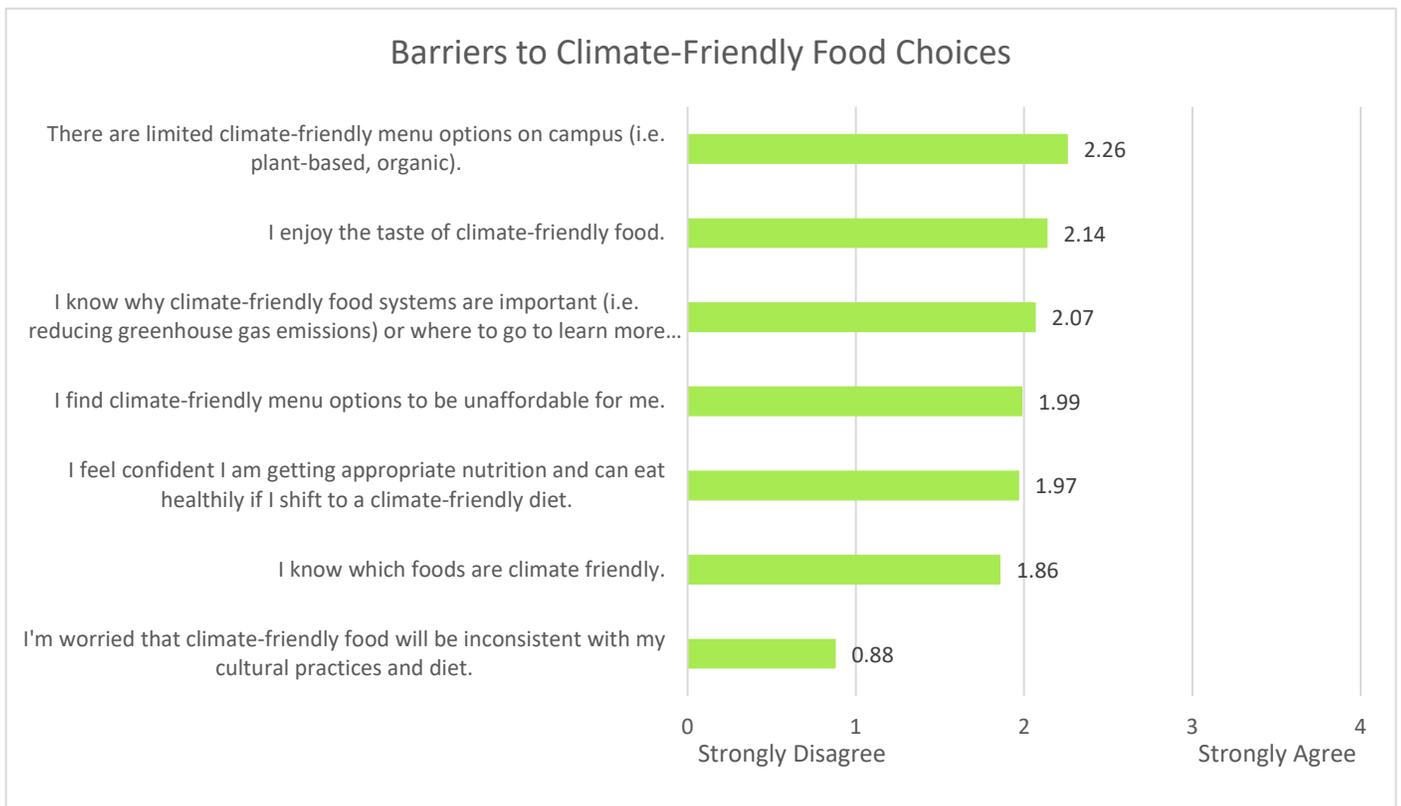
## Section 4: Climate-Friendly Food Systems

1. As a UBCO community member, how often do you eat climate-friendly foods (i.e. plant-based, organic, local)?

Participants responded that they eat climate-friendly foods some of the time.

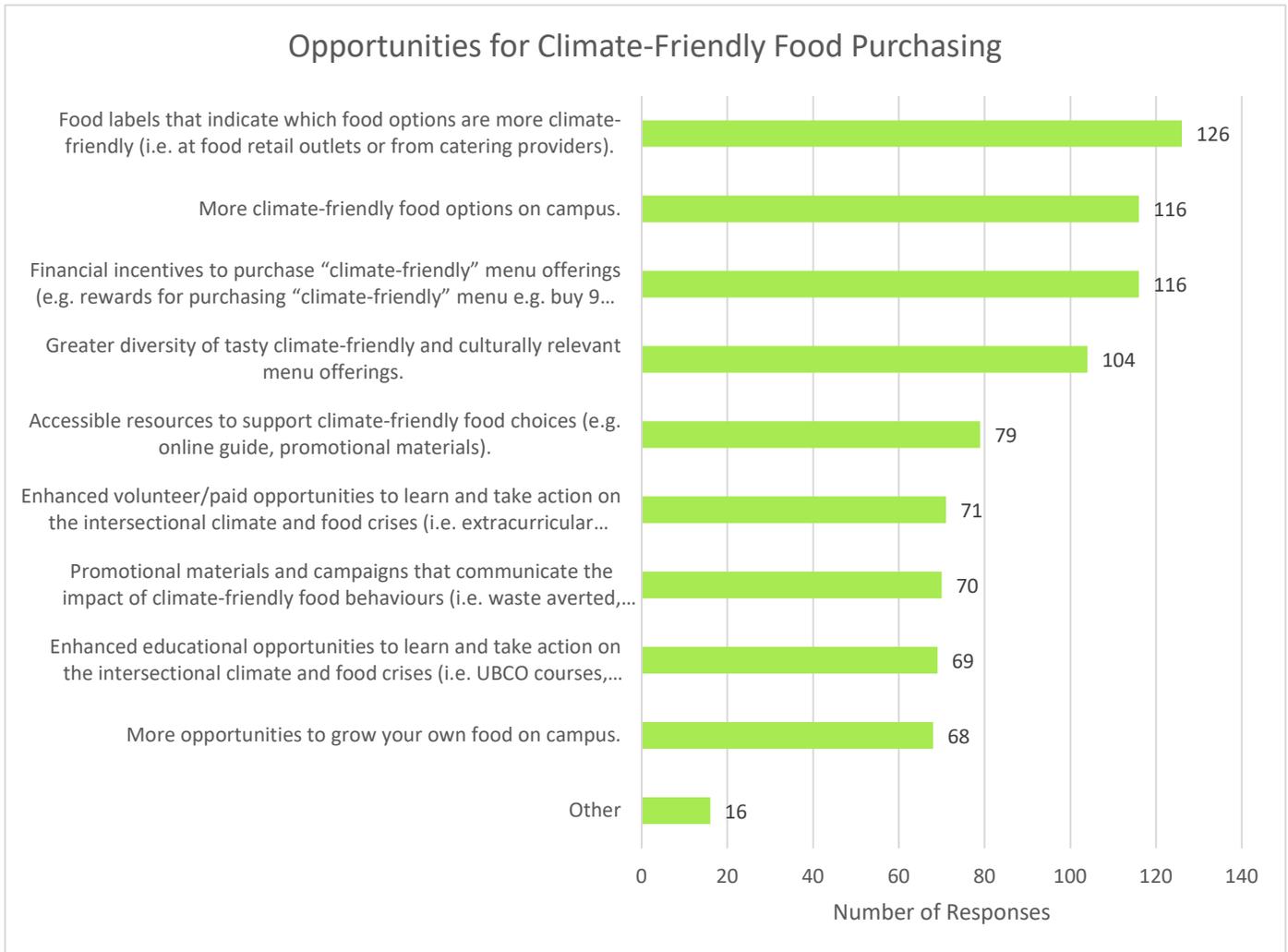


2. To help us understand the barriers to making climate-friendly food choices at UBCO pre-COVID, how much would you agree or disagree with the following statements:



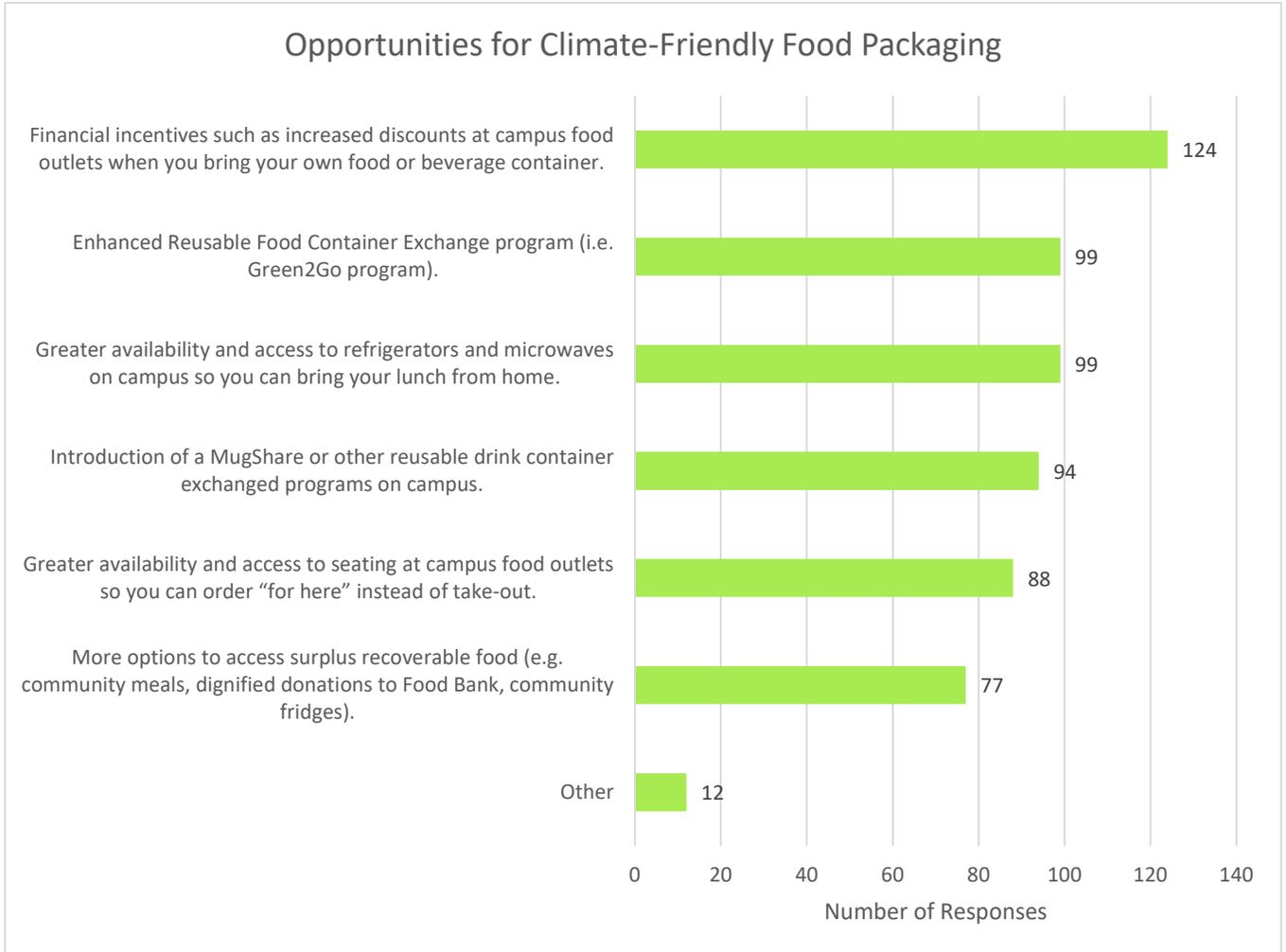
Other: Access to affordable; plant-based and seasonal options; dietary restrictions; decision fatigue; need for more education and information.

**3. Thinking about climate-friendly food purchasing, eating habits and dietary restrictions, which of the following options would support you in making more climate-friendly food choices on UBCO campus? (Select all that apply)**



Other: Reusable and compostable foodware; collaboration opportunities: Farmers Markets, farming research, volunteer campaigns; community and food gardens.

**4. Thinking about reducing food waste and packaging, and promoting food recovery, which of the following options would support you in making more climate-friendly food choices on UBCO campus?**

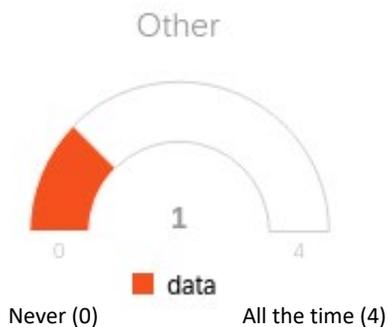
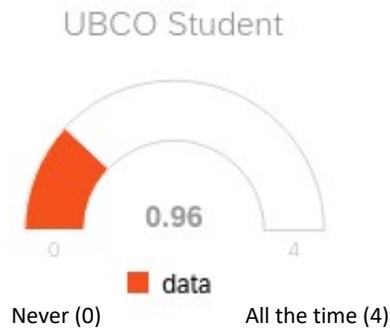


Other: More affordable sustainable container programs; access to food reuse infrastructure (i.e. water bottle fill stations); discounts (i.e. soon to be expired food, personal containers to purchase food).

## Section 5: UBCO Business-Related Air Travel

### 1. As a UBCO community member, how often do you travel by airplane for UBC-related business?

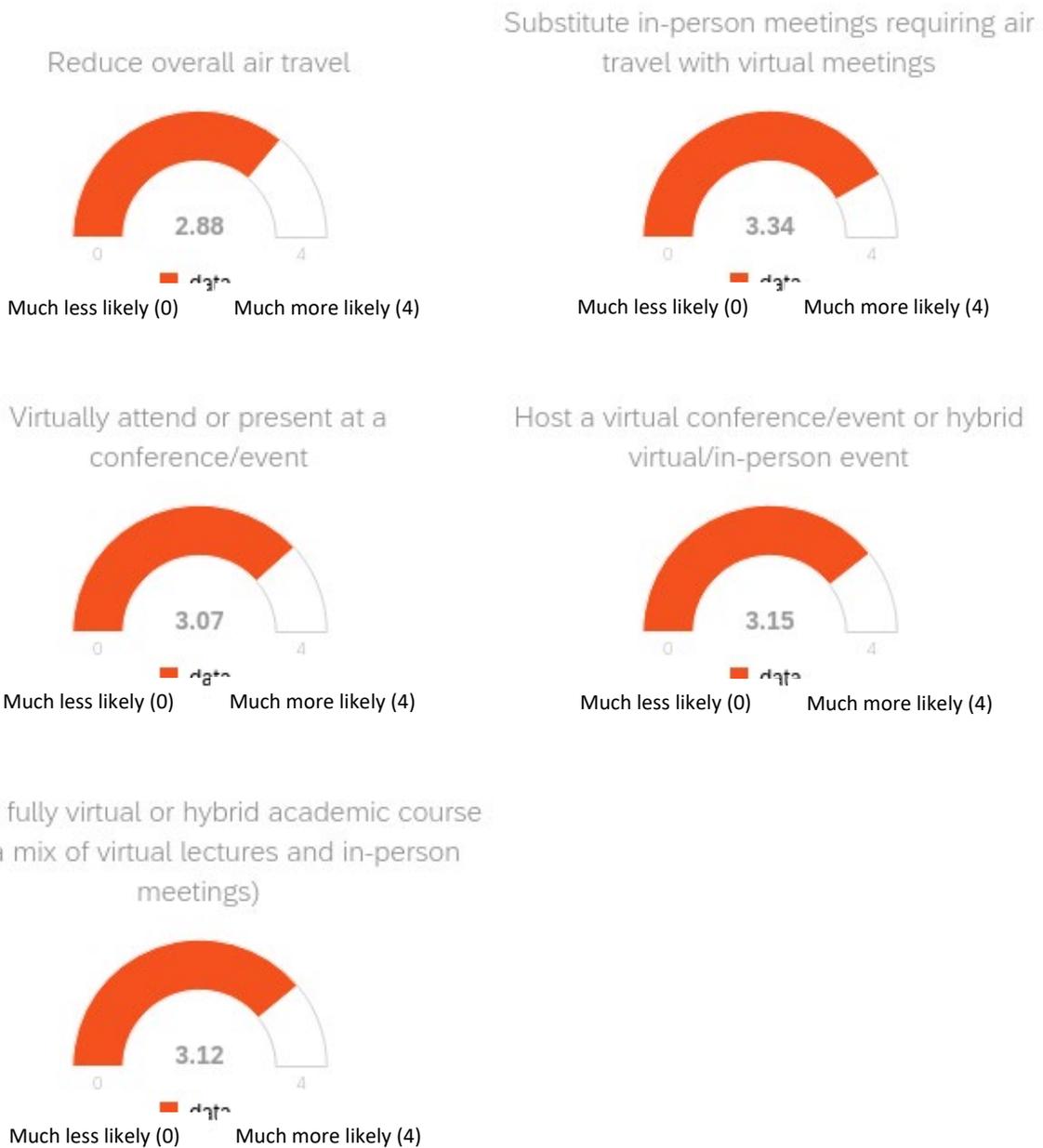
UBCO students responded that they rarely travel by airplane for UBC business, UBCO faculty



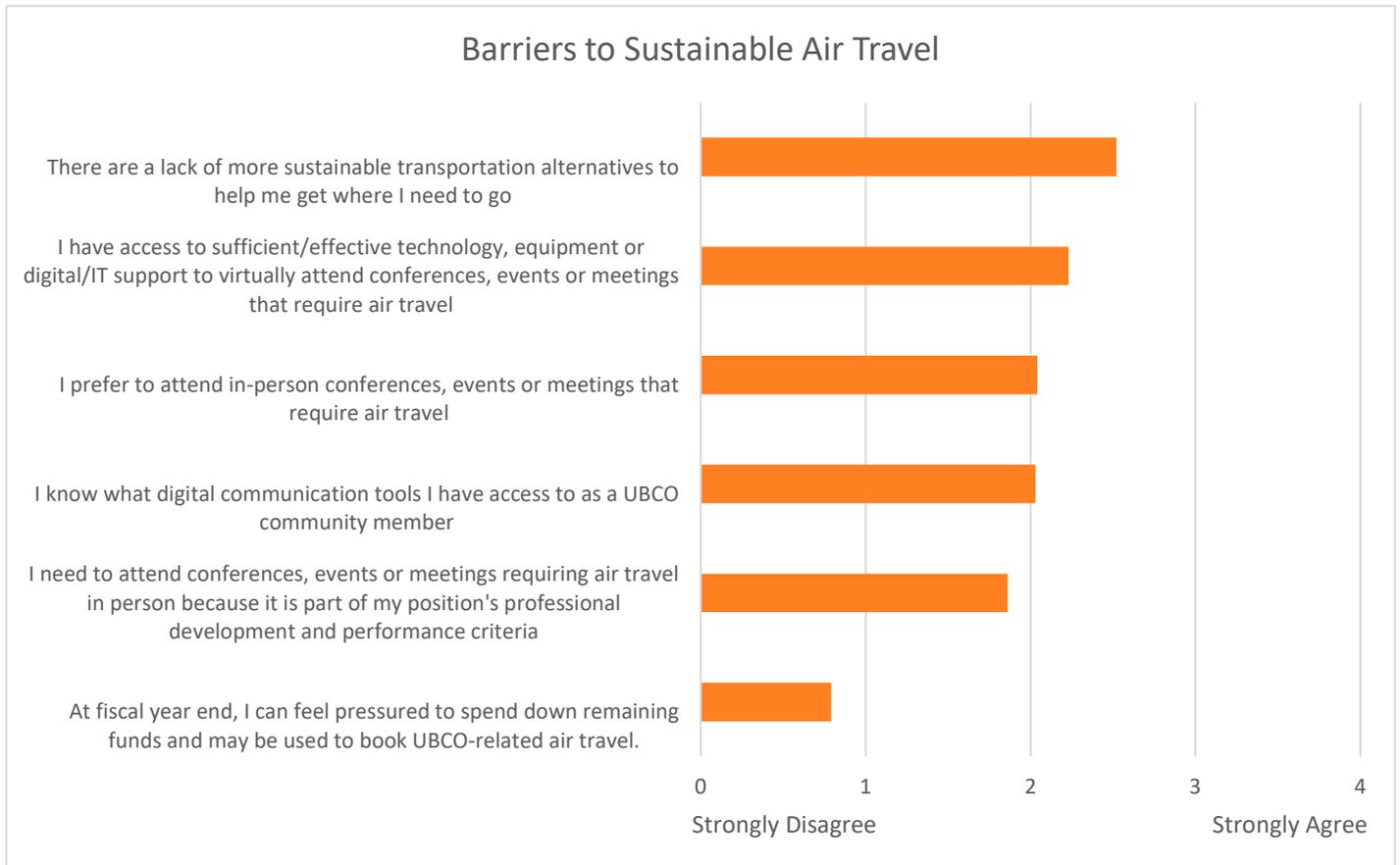
travel sometimes, and UBCO staff travel rarely.

**2. The COVID-19 pandemic has provided us with a host of powerful new virtual platforms, allowing us to shift our meetings, events, learning opportunities and conferences online. In the future, compared to pre-pandemic behaviour, would you be more or less likely to:**

Respondents said that on average they are more likely to reduce air travel, and much more likely to conduct and host virtual meetings, and attend virtual conferences and virtual courses.

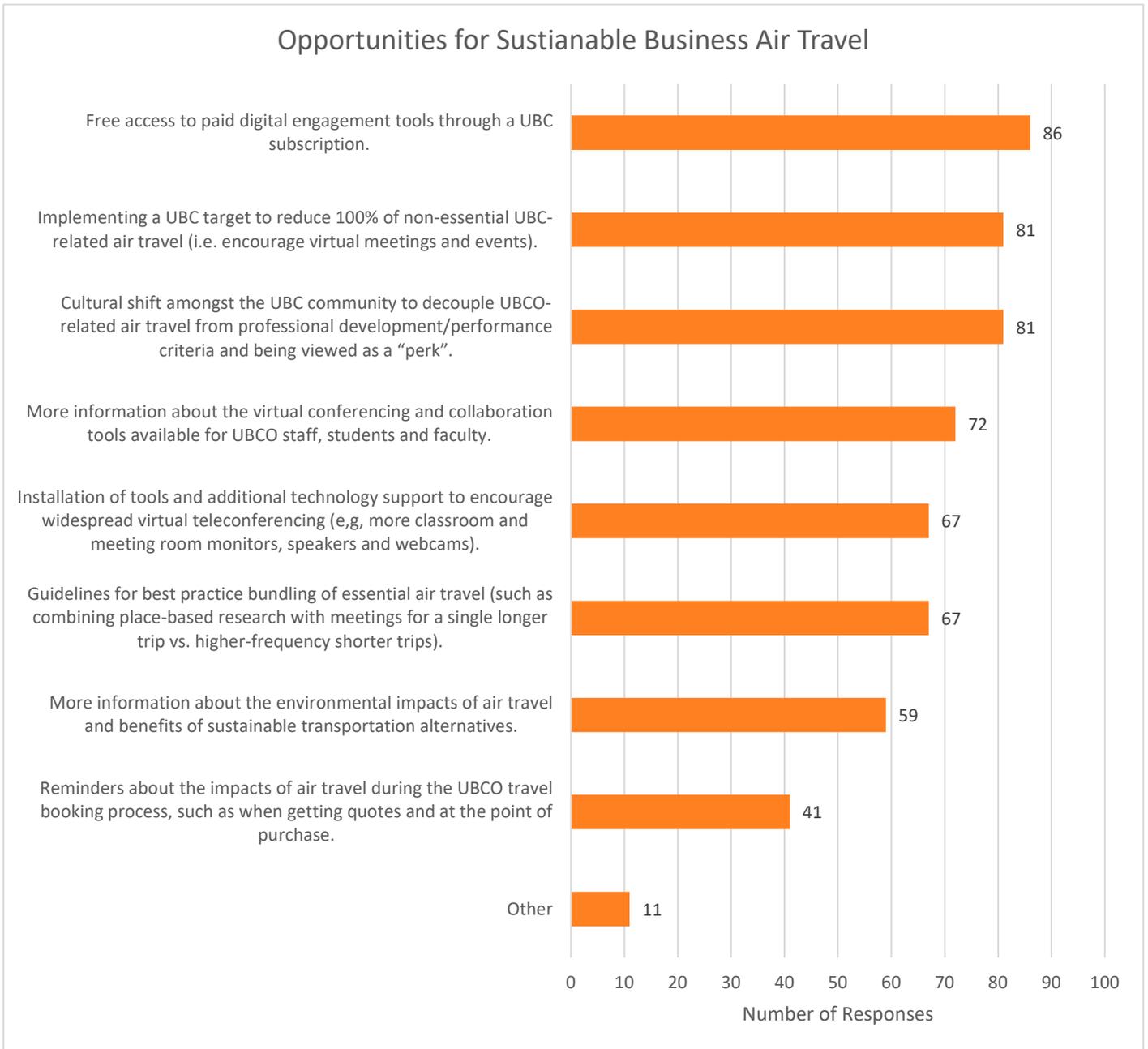


**3. To help us understand the barriers to making sustainable UBCO business-related air travel choices pre-COVID, how much would you agree or disagree with the following statements:**



Other: Offer staycation opportunities for students over breaks; require carbon offsets for air travel; prefer in-person conferences/meetings for networking/pro-D; more resources to learn about online communication tools.

**4. Which of the following options would support you in making more sustainable UBCO business-related air travel choices? (Select all that apply)**



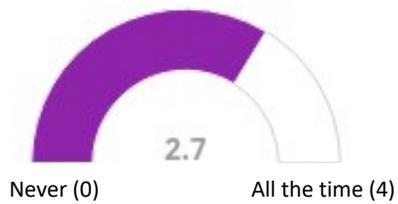
Other: Carbon emissions offsets program; need leadership to demonstrate this behaviour for employees; encouragement of transportation alternatives (i.e. UBC EV fleet).

## Section 6: Waste

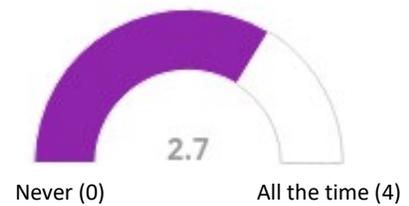
### 1. As a UBCO community member, how often do you partake in the following sustainable waste practices? (0=Never, 4=All the time)

Respondents said that on average they reduce and reuse their waste often, and sort their waste almost all of the time.

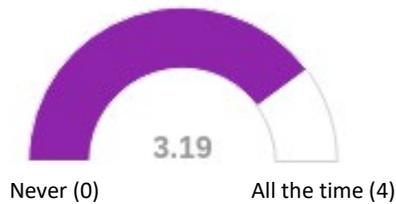
Reduce my waste (i.e. bring your own mug to a coffee shop)



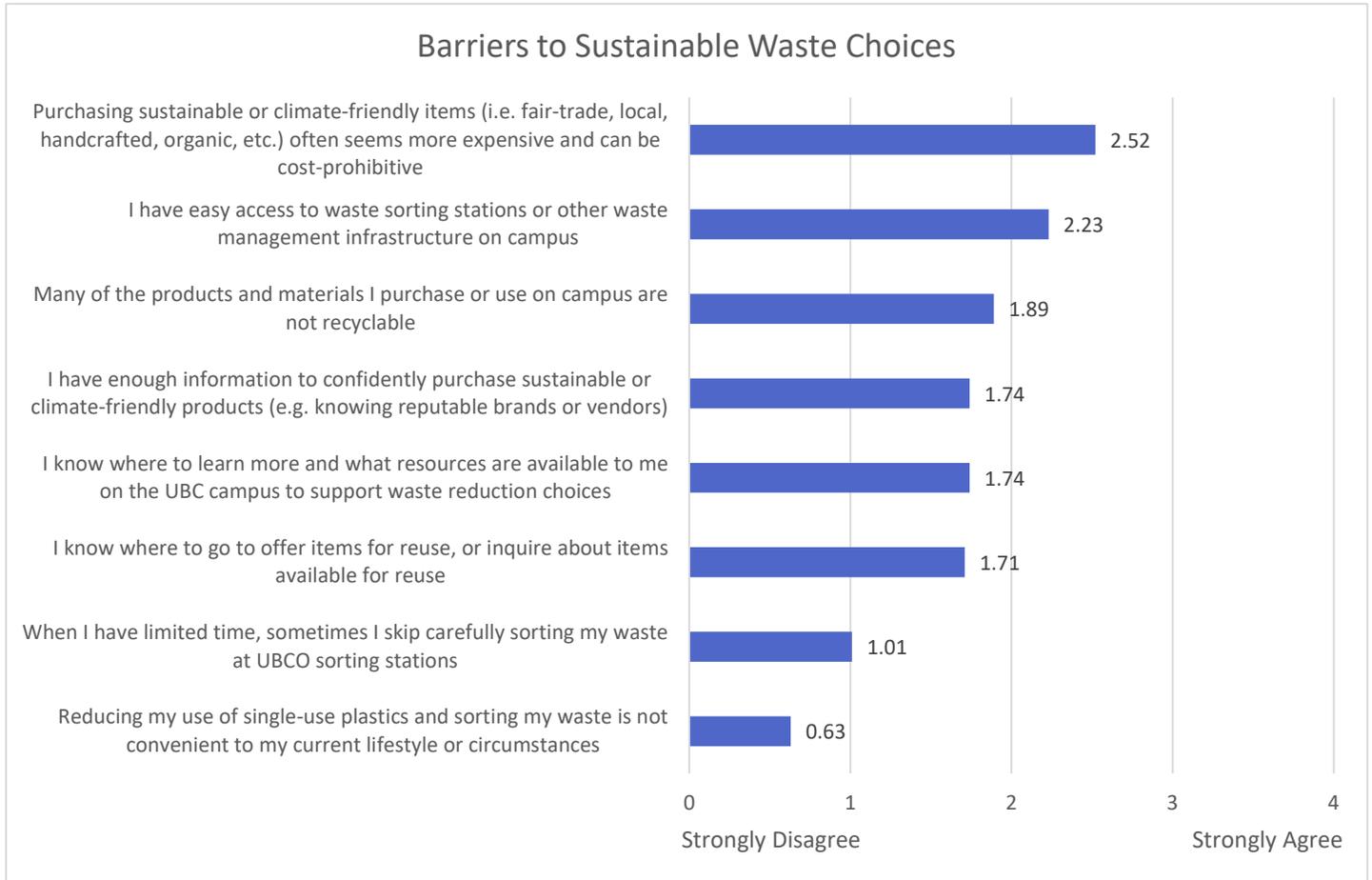
Reuse materials to avoid waste (i.e. buy or sell used furniture)



Sort my waste (i.e. into categories: food scraps, containers, paper and garbage)

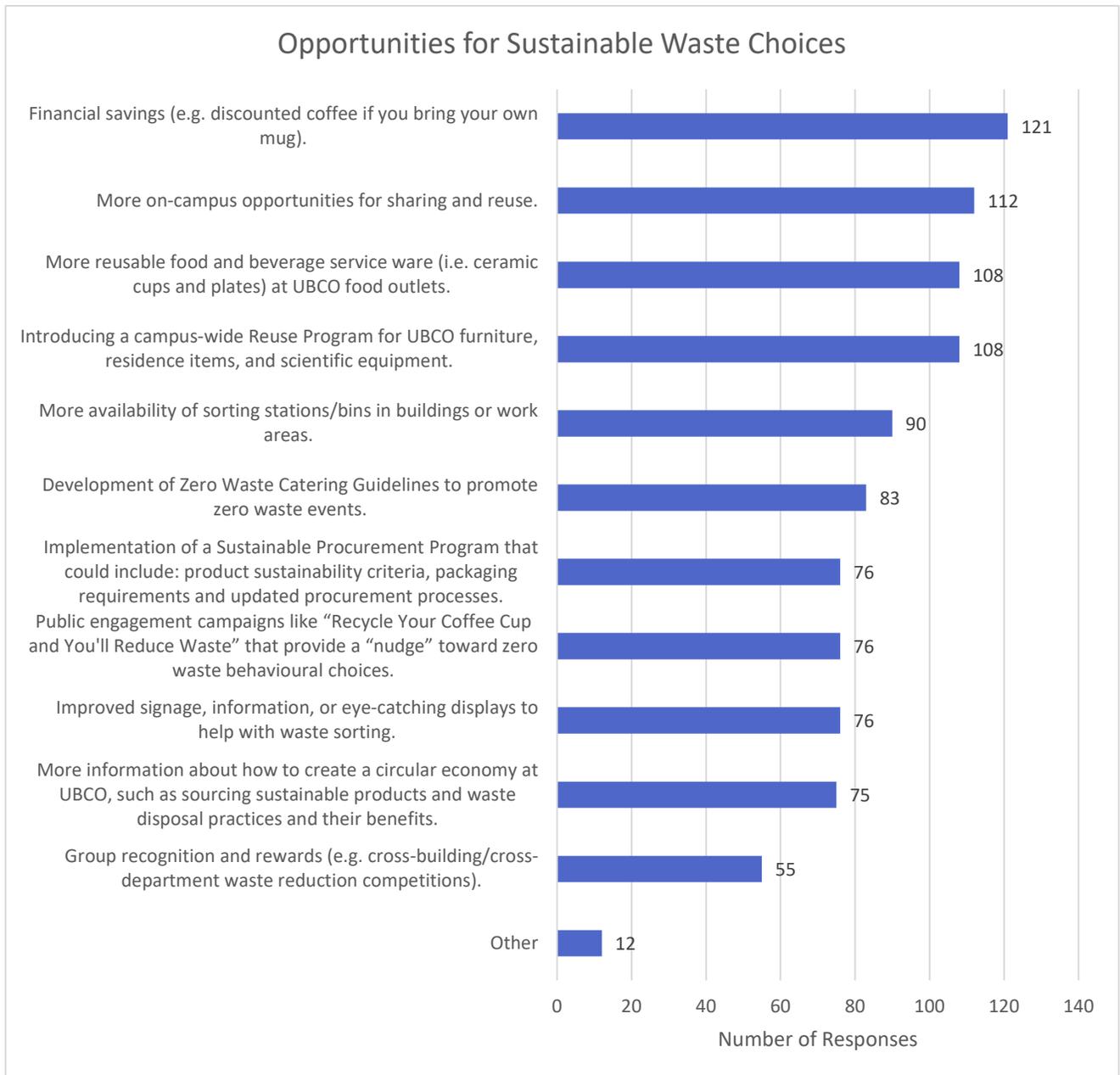


**2. To help us understand the barriers to making sustainable waste choices pre-COVID, how much would you agree or disagree with the following statements:**



Other: Expand composting infrastructure, donate more items, reduce plastic waste (i.e. bubble wrap (i.e. Central Receiving and Mail Services)).

**3. Which of the following options would support you in helping to reduce UBCO waste sent to landfill and in building a circular economy? (Select all that apply)**



Other: More compost bins available in more areas of campus, hold suppliers accountable for sustainable packaging, clearer direction on waste sorting.

## Section 7: General Feedback

The following qualitative analysis reflects what we heard from the two open-ended questions in the CAP 2030 Okanagan survey. The themes shaded in grey represent the top themes we heard from participants, while the unshaded themes are included for transparency and interest. To see the verbatim survey responses, please refer to Appendix III.

1. **To help us understand the climate action efforts currently taking place across UBCO, please let us know if you and/or your UBCO community are involved with any initiatives aimed at reducing GHG emissions on campus (and, if possible, the name of your community):**

Top themes for this question were difficult to identify because of the small sample size. The only comment heard more than once was making general climate friendly choices in participants' personal lives.

Feedback Comments	Frequency
<b>CAP 2030</b>	<b>1</b>
Climate Action Plan 2030 Working Group	1
<b>Commuting</b>	<b>1</b>
UBCycles	1
<b>Food systems</b>	<b>2</b>
Enactus UBCO	1
Local food procurement	1
<b>Looking for more information</b>	<b>2</b>
Looking for more information about climate action courses	1
New hire looking for more information	1
<b>Other</b>	<b>3</b>
General climate friendly choices in personal life	2
UBCOWild	1
<b>Sustainability engagement</b>	<b>1</b>
SEEDS Sustainability Program	1
<b>Waste</b>	<b>2</b>
Designs courses and labs with re-usable tools and equipment	1
Green labs initiatives	1
<b>Grand Total</b>	<b>12</b>

**2. Do you have any feedback about the emerging CAP 2030 directions and targets, or any other considerations (i.e. equity, climate justice) to add that we should be aware of as we develop the CAP 2030?**

Top themes for this question included opportunities for sustainable commuting, including adding more bike lanes and cycling infrastructure and implementing a Staff-faculty U-Pass.

<b>Feedback Comments</b>	<b>Frequency</b>
<b>Commuting</b>	<b>14</b>
<b>Barriers</b>	<b>1</b>
Parking too expensive	1
<b>Opportunities</b>	<b>13</b>
More bicycle lanes and cycling infrastructure	4
Staff/faculty U-Pass	2
Encourage hybrid model of remote working and learning	2
Create carpooling website or app	1
Public transit improvements	1
Increase EV parking and charging stations	1
Consider accessibility for those with disabilities	1
Financial incentives to take public transit instead of driving	1
<b>CAP 2030 Process</b>	<b>8</b>
<b>Barriers</b>	<b>3</b>
UBC shifting too much responsibility onto the individual and away from the university/institution	2
Plan needs clearer key messages	1
<b>Opportunities</b>	<b>5</b>
Economic tools are more effective than behaviour change	2
Consider sustainability staff resourcing	1
Participation in climate initiatives a requirement for UBC staff	1
Include focus on moving towards 100% renewable energy	1
<b>Other</b>	<b>6</b>
<b>Opportunities</b>	<b>6</b>
Long-term planning for landscapes and tree protection	1
Reduce emissions from construction and new building materials	1
Make climate-friendly choices easy and convenient	1
Leadership need to lead by example	1
Create a UBCO sustainable community (i.e. co-housing, permaculture)	1
Leverage solar power and energy	1
<b>Waste</b>	<b>6</b>
<b>Opportunities</b>	<b>6</b>
More digital resources to reduce office and paper waste	2
Expand composting infrastructure to student residences	2

Reuse programs in student residences and at swaps the end of the year	1
Invest in sustainable technologies	1
<b>Air travel</b>	<b>6</b>
<b>Barriers</b>	<b>2</b>
Virtual meetings are not a replacement for in person meetings	1
Externally funded research requires air travel	1
<b>Opportunities</b>	<b>4</b>
Support for reducing inter-campus travel	1
Regulate air travel by staff for student recruitment	1
Incentivize virtual networking and departmental retreats	1
Leadership need to lead by example	1
<b>Food systems</b>	<b>6</b>
<b>Barriers</b>	<b>4</b>
Organic and plant-based foods not necessarily sustainable	2
Unwillingness to shift towards climate-friendly food choices	1
Prefer to bring food from home	1
<b>Opportunities</b>	<b>2</b>
Financial incentives to make sustainable purchases (i.e. buy 9, get 10th free)	2
<b>Climate justice</b>	<b>4</b>
<b>Opportunities</b>	<b>4</b>
Prioritize equity and climate justice	2
Strengthen Indigenous community engagement	1
Consider affordability for students	1
<b>General support</b>	<b>4</b>
<b>General support</b>	<b>4</b>
General support	4
<b>Grand Total</b>	<b>54</b>

## Appendix III – Verbatim Survey Responses

**Question: To help us understand the climate action efforts currently taking place across UBCO, please let us know if you and/or your UBCO community are involved with any initiatives aimed at reducing GHG emissions on campus (and, if possible, the name of your community).**

Yes, when designing both of my first-year lecture & lab-based courses, I purposely designed all activities to be disposable-free (as well as biohazard-free). Every activity uses equipment/tools that can be re-used every year (with minor repairs due to heavy student usage).

Working on local food procurement at UBCO

I am working for a SEEDS Research Project. I am a UBCO 3rd year science student working on a directed study to produce recommendations for UBC to reduce their inter-campus air travel. This Directed Study is working in conjunction with a group of masters students that is analysing flight data from 2019 provided by the UBC Travel Office.

Not that I am aware of, but I am a relatively new hire

UBC is decades behind our families home in all things sustainable. I'm sad to see how slow UBC is to move on this as we have been living this way for more than 30 years now.

UBCOWild provides conservation effort information

More climate related course content

UBCO Climate Action Plan

My enactus club is still doing project roots which lets students buy "Ugly produce" on campus, so that helps i think

Participated in the campus environmental protection volunteer

Athletics & Recreation: UBCycles operations - bike rental, maintenance and indoor storage location. Promoting GoByBike initiatives and active transportation.

HSE - Green Labs, chemical and waste materials reuse from labs, helping labs reach composting options

**Question: Do you have any feedback about the emerging CAP 2030 directions and targets, or any other considerations (i.e. equity, climate justice) to add that we should be aware of as we develop the CAP 2030?**

Maybe improvement of sustainable ways of getting around Kelowna for those living off-campus, and to/from UBCO, as it's such a car-focused city, improved/ more frequent or direct buses from downtown to/from the university would likely help a lot, this is a main reason why many people I know drive instead of bussing.

Making it easy/ the default to make climate-friendly choices. Don't just provide it as an option or try to convince people to do it individually, make it the cheaper, easier and better choice. For example, making climate-friendly foods the default and having to pay extra for meat, or having to pay extra if you want a non-reusable cup/ disposable takeaway containers, etc. I think the university needs to take more initiative, along with education, but making it a universal policy to have climate-friendly options and just remove non-climate friendly ones, instead of making people decide.

equity and climate justice need to be prioritized

I think it would be beneficial to offer staff a reduced transit pass to promote using transit instead of driving. We are running out of parking anyway, it should be an option for staff to opt into the student U-pass

Stronger Indigenous community engagement

Please keep accessibility and disabled person's needs in mind

More bicycle lanes and bicycle parking containers are required as well as bicycle-riding promotion and information about bicycle riding/maps/parking. More traffic safety barriers to separate cars from bicycles should be installed on busy Kelowna roads and hwys (and throughout BC and Canada).

Great, but would like to see some of my suggestions taken seriously. Only focusing on small things like straw bans and bring your own cup is not helping the issues on an impactful scale. People still create waste, still use toxic single use items (and their subsequent production and disposal). Bringing my own mug is not going to change that. We need to see wider scale changes in combination with individual efforts (frequent opportunities to use a "backyard" compost on campus, sustainable single use products, roof gardens, buying local food, more plant-based options, providing research money to students who have great ideas to address global issues on a wider scale (engineering, tech, etc.). I don't want to see this being a cop-out "zero waste" campaign so we can promote how green we are, without any actual desire to make an actual impact on global climate issues. We are a top university and should be giving back to our own communities, and the world, with the information, strategy, and implementation we go forward with. It is our responsibility to make those changes and lead the way for others to follow, and find practical and affordable ways to follow our lead.

Kindly increase the number of bike paths and ensure safety of the cyclists in collaboration with the city of Kelowna in encouraging commuters for safer and easier access to campus from the community.

I think that there needs to be a willingness from the university administration, students, and those leading the CAP2030 project to recognize and accept when results and recommendations, particularly for sustainable food systems, are contrary to their current beliefs. Attending the CAP food system dialogue series, I am not confident that those in leadership positions are actually willing to put aside the results they want to here (i.e. a big emphasis on local foods) that are not scientifically/evidence based methods of actually decreasing emissions associated with food systems. Until these communities are willing to accept answers they don't want to hear (i.e. wholesale reduction of cattle products including beef and dairy on menus) they will not be truly successful in their goals of creating a sustainable food system.

For transportation employees of UBC need financial incentive to take the bus. The cost of a bus pass is MORE than parking in some lots, and while gas and insurance is factored in, people don't see it that way! And in the summer some routes are discontinued in the morning which makes travel less appealing. I am trying to bike in this summer when I can, but in the winter it is not safe. I'd love to take my car off the road to save for an electric vehicle.

One idea to reduce paper waste on campus is to have more digital screens to replace the need for posters and bulletin boards- have some accessible to student groups, others for departments and programming, it's small but over time might have a big impact

Please consider making the search engine Ecosia part of the UBC community. It plants trees as people search.

This is a great first step but so much more needs to happen! Please have everyone in a leadership role read Bill Gate's book "How to Avoid a Climate Disaster" and David Attenborough's book "A life on our planet".

The focus in this survey on sustainable consumer purchase options makes it seem like you drank the Green-Capitalism Kool Aid. The scholarly literature refutes the perceived connections between

local/organic and greenhouse gas emissions reductions. If we go down that road, we ought to ask clearly who says this (whatever it is) is sustainable? Also, recycling was always the third R because it is the least helpful in reducing waste. Other than those complaints, I appreciate your work on behalf of our campus and our planet. Good luck!

UBC should prioritise systemic solutions rather than solutions that rely on personal choice. For instance, lobbying other universities and institutions to divest from fossil fuels 100%, lobbying for better and more affordable public transit, and building communities that are resilient to climate crises.

Please name specific targets, with benchmarking, and timelines to achieving a carbon-free campus. There is nothing about ENERGY here, UBC needs to go with 100% green, renewable energy sources, no more carbon-based energy on campus- including back-up systems. No diesel back-up generators - ZEV HFC only. And vehicle fleets must ALL go to ZEV - electric and/or Hydrogen only! And cut down the amount of parking on campus; get a U-Pass for staff and faculty going so we drive less, and crash less and pollute (GHG, particulates, noise) less!

all really, really important!

UBC should take a leadership role in changing the academic culture vis a vis air travel (eg influence how conferences, grants, funding is done) while Prof Ono has a leadership role in the university networks.

UBC should be doing more to encourage sustainable travel to/from UBC. Single occupancy petrol car use is still way to high. The number of electric car parking / charging stations is very much too low.

1. Given the large scale of expansion plans at the university, the margin for improvement in reducing emissions in construction is likely to be very large, but it's not mentioned.
2. Charge for parking at closer to market rates (i.e. what a private lot would). Why should I, formerly an undergraduate who exclusively biked and took the bus to campus, and now a person with physical disability working on campus, provide a MASSIVE subsidy (on the order of millions of \$ per year) in terms of parking to those that don't try to use sustainable transportation options (electric cars still negatively affect air quality and public health btw)

Many of the questions within the survey centred on purchasing food items on campus, however I rarely rely on campus food services, preferring to bring my own meals to UBCO.

Living in Canada and with the distances some people have to travel to work. Aside from the reason (COVID) - I have really appreciated working from home and not having to drive 350km a week to get to work. Unfortunately, taking the bus from Vernon to UBCO is too limiting time wise and would add to my commute time. Car pooling has the same issues very difficult to follow other peoples schedules. There is no alternatives to get to Vernon if you miss these two options. Driving is still the best method of transportation.

Very interested in UBCs commitment to reducing inter-campus travel (Vanc & Okanagan)

I think UBC really needs to scrutinize all travel related activities. I know of programs that go to Iceland, Bali, UK, India etc. to recruit all while we already HAVE a UBC recruiting team. This is a major waste of carbon credits and serves little purpose. UBC is not a travel service, and we should be really careful about who we send on long haul flights, and why we send them. It is reprehensible to travel unnecessarily, especially since it is the poor countries pay the highest price for climate change. We need to "ground" this generation wherever possible so that the next generations can survive.

Yeah, it is ridiculous. In history innovation through private enterprise is what shaped that world. The more you push austerity and socialist policies (subsidizing "good" behaviour). The free market will always find the optimal balance if you let it.

I think we are on the right track!

There is a high turnover and cost of office supplies, such as white board pens etc. that end up in the garbage after few uses. This is either due to inferior product quality or improper usage. It would be nice to see teaching materials and tools shift more and more to digital formats to encourage less waste and less expense.

As UBCO is a commuter campus (outside the downtown core) where many faculty and staff reside outside of the city, encouraging and planning for remote work moving forward would be better served now while the opportunity is already presented (due to the pandemic).

Need safe, convenient bike lock-ups and electric vehicle charging stations.

Air travel is a big issue but now with experience with virtual meetings and can 100% say that they are not a substitute for in person meetings. Air travel to engage with partners and collaborators is essential to build relationships and a professional network. I oppose any large scale restrictions on air travel. Members should be conscious about whether the travel is necessary or not.

I would like to see incentives (financial? academic?) given to faculty to organize small online workshops in their disciplines. This would allow us to continue networking while also staying put. Another idea is to expand the UBCO retreat facilities (there is currently a small property in Mission I believe). This would allow departments to organize writing retreats, allowing us to 'travel' locally. Finally, I know there is a group trying to organize co-housing community living (led by Gordon Lovegrove). It would be nice to see a project like this take off at UBC, with funding to make it a model sustainable community (sort of like the UBC farm, but with a focus on complete systems, like permaculture, sustainable building, etc).

Thank you for this survey and all the information provided on this site. I have never seen it before!

We're in the Okanagan, let's get some solar panels, rooftop gardens, greenhouses! Maybe involve engineering students. It's surprising that this isn't already happening, or even ten years ago given the perfect climate.

please add composting to residence buildings!! it's ridiculous we don't have it since we have it everywhere else already. students eat and cook in dorms very often it is essential to have compost if we want to make an impact.

Flora on campus (since trees affect the climate too)

Glenmore can be scary to bike on. I would like to see a low jersey barrier or curbs for the bike lanes (just like the ones they have on some streets downtown) all the way up Glenmore to John Hindle to make that commute feel safer. Especially the route from Union road to John Hindle where the dog farm is, cars go extremely fast there. I think more people would bike in Kelowna if there isn't so much hostility from Albertan pickup truck drivers trying to kill us.

The growing inequality between climate friendly options being available for the well off. For me this is personal as I live 49 kilometers away from campus and moving closer is not financially feasible for me at this time (I am a staff member, not a student). I would love to bike to work, but I don't even have access to public transportation for 6 kilometers at the closest. I have tried to arrange carpooling before, as I know that there are many people in Vernon who work at the university, but I have come up empty. It would be great if there was carpooling website specifically for the staff at the university. The bus to Kelowna from Vernon is so packed that I do not feel safe riding it. There are also many students on this bus and I think that if there were some better options it would be safer for everyone.

General Feedback: Please do not try to enforce limits on air travel for externally sponsored research. Who are you to say what is valuable, and what actions an individual may have made in their personal life to reduce their greenhouse gas impact, to mitigate the impact of other places they might choose to spend their travel budget.

Also, "organic" food is not necessarily climate friendly. Also true to some extent for local food -- if you do a true life cycle analysis, it may be more beneficial to the environment to produce food elsewhere, even with the impact of transportation.

I am concerned about the power combined with lack of knowledge of this committee.

There is no clear message or plan

Very good survey! Lots of practical questions

I think ensuring that the approaches do not enlist a command control type of view is important. Economic tools seem like the better approach

Be aware that most students are very incentivized by saving money or earning money! For example, this survey offered a potential prize to attract more students to get it. I feel like potential prizes (such as buy 9, get 1 free environmentally friendly item) would definitely get more students to care about being environmentally friendly!

I would love to see it happen

I think it would help to have a bit closer of a goal we can hit and take into account tight budgets of students

The lack of composting in residency was an issue for me in my first year (2017/18) and although we addressed it with our RA's, we were told nothing could be done about it. The reuse program that was offered at the end of the year (where one vacant room per residence was used for students' old furniture, clothes etc that they no longer needed or used and could be picked up by other students) was awesome. It would be great if these rooms/items could become available for other university students other than first years (eg. a few rooms one weekend for second years to drop/swap/take, then the next weekend for third years etc, or open the items up to other students after first years moved out of residences before donating). I still use every single item that I took from our residence swap room in my first year, and I am now at the end of my fourth. I've always wished I could go to the swaps even after moving out of residence to drop off items I no longer had a use for that someone else might want.

Not really, I would just like to see climate action initiatives that everyone can afford to partake in.

I fully support the draft targets and actions on the website. But how will the plan's implementation be successful with so few sustainability staff at UBCO?

Some groups are very resistant to participation in current initiatives. Participation in climate action should be a requirement of every employee when on campus. I grow frustrated with people who could put items in a recycling bin but don't do so out of spite. There needs to be a mechanism to deal with those actively working against climate initiatives (because unfortunately, they exist).

See my 'other' comments throughout the survey. Sustainability, re-use programs, discounts or rewards for positive actions towards climate action, all great ideas! Especially, reducing air travel and maintaining virtual meetings between campuses. Not entirely as face-to-face connections have their value and more is resolved in a shorter amount of time, but the frequency can definitely be reduced.

Any recommendations that UBC makes need to be science-based. As a research with 15 years experience in quantifying food system GHG emissions and strategies to reduce emissions, I say with confidence that the evidence does not suggest that local sourcing is an effective strategy. With respect to organic products, evidence is mixed, with some options being more climate friendly and others less so. Nonetheless, this language (local/organic) is persistent.

I usually try to be Newton's 3rd law and try to undo the "progress" and "effort" everyone else puts in. The more you push this down my throat, the more I will resist.