



# 2020 ONE PLANET APPENDIX



# APPENDIX A: HEALTH AND HAPPINESS

## HH1, HH2, HH3, HH4

**Table 1.** Survey results for Kanaal and O residents health and happiness.

What building are you currently living in?	Reflecting on your activities and life circumstances, how would you rate your happiness?	What is your age range?	Does your health allow you to meet your day-to-day needs?	Which aspect(s) of your health could be improved?	Do you feel involved in the Zibi community?	If not, what initiatives would you like to see in order to become more actively involved?	Do you feel like you have a lot of opportunities to learn about different topics related to sustainability through Zibi?	What subjects would you be interested in learning more about?
O	3	26 – 35	Yes	Being more social. Better with life balance	No	I'd love a condo discord to play video games social distant for now. Wish there were an easier way to meet my neighbours who also don't use Facebook	No	Local indigenous agriculture
Kanaal	3	36 – 50	Yes	Easy access to fresh produce.	No	Would be nice to have a space where residents are updated on what is happening around us, e.g when will the pedestrian bridge be open? When will the park on Chaudière Island be done? When will there be some retailers or food service businesses opening? Which buildings are being built?	No	More on garbage/recycling/compost. Seems like so few things can be recycled here. Frustrating.
Kanaal	5	18 – 25	Yes		No		Yes	
Kanaal	4	51 – 65	Yes		Yes		Yes	
O	5	26 – 35	Yes	Mental Health	Yes		Yes	
O	5	26 – 35	Yes		Yes		No	
Kanaal	3	36 – 50	Yes	Being able to workout in the gym in my condo	Yes		No	
O	5	36 – 50	Yes		Yes		Yes	
Kanaal	4	51 – 65	Yes	More outdoor exercise/activity.	Yes		Yes	
Kanaal	4	36 – 50	Yes	More exercise.	No	Neighbourhood Association.	Yes	Waste management.

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Kanaal	5	18 – 25	Yes		No		Yes	
Kanaal	4	51 – 65	Yes		Yes		Yes	
O	5	36 – 50	Yes	Better balance between work and leisure for mental health – More leisure would be fun vs. work!	Yes	What I have been aspiring in terms of community building when moving to Zibi was a bit slowed down by COVID-19, but there's nothing we can do about that...	Yes	Aboriginal territory and culture
O	5	51 – 65	Yes	Physical and mental Activities	Yes		Yes	Waste management, ecological transportation
Kanaal	3	51 – 65	Yes	Sleep	No		Yes	
Kanaal	5	51 – 65	Yes	My knees are bad.	No	The Board	Yes	I admit I don't understand how to properly manage the temp control in my unit. When I make setting selections in the app, the temp doesn't change. I would like to understand the system better.
O	4	51 – 65	Yes		No		Yes	
Kanaal	5	51 – 65	Yes	Physical strength	No	Community based activities, clubs, coffee mornings, farmers market, skating rink events, charity based events	No	Food Gardening, compost management
Kanaal	3	51 – 65	Yes	Less Stress, more physical activity	No	Having an owner representative board of directors, having common elements at Kanaal (construction dings, dents, chips, workmanship in some cases), repaired to expectations.	No	The Portage power plant; the heating cooling system for the entire Zibi community including the in-suite fan coil systems; the EV charging opportunities

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What building are you currently living in?	Reflecting on your activities and life circumstances, how would you rate your happiness?	What is your age range?	Does your health allow you to meet your day-to-day needs?	Which aspect(s) of your health could be improved?	Do you feel involved in the Zibi community?	If not, what initiatives would you like to see in order to become more actively involved?	Do you feel like you have a lot of opportunities to learn about different topics related to sustainability through Zibi?	What subjects would you be interested in learning more about?
Kanaal	4	51 – 65	Yes	"I hurt my foot badly last year – still working on stability so I can do some running! "	No	COVID-19 makes it so hard. I wish there was more we could do. There isn't even a chat/page/group for residents I don't think. (there was to be one but I don't think it happened?). I wish there was somewhere we could chat – we cant congregate, it would be nice if we could chat. Meeting neighbours sort of – cant really get to know one another. (or see their faces!) We are all doing our part, but that means some of the social aspects will be delayed. The lack of social means the lack of some learning opportunities too.	No	What do you have? Bring it on. I'm all in. I don't feel we get much more than the public does though – there might be an email, but then the exact same info is on the website and public forums. That isn't BAD per se, but it isn't personal to those who live here. Again, COVID-19 has restricted what we can do.
O	4	36 – 50	Yes	Agility and flexibility	Yes	COVID-19 is obviously a huge barrier to this	No	Water conservation
O	4	18 – 25	Yes		No		Yes	
Kanaal	4	51 – 65	Yes	Cardiac capacity	No	Nothing, the pandemic needs to recede first	Yes	
O	4	26 – 35	Yes	Weight	Yes		Yes	
O	4	51 – 65	Yes	Activity	No	Zoom calls to participate in activities as COVID-19 time therefore cannot go out.	Yes	Air quality
Kanaal	3	36 – 50	Yes		No		Yes	
O	5	18 – 25	Yes	None	No	Outdoor maintenance	Yes	Energy
O	4	51 – 65	Yes	Physical fitness and weight loss	Yes		Yes	District thermal energy system
Kanaal	4	26 – 35	Yes		No	Gym open, lounge open, some sort of community anything	No	Actual actions instead of brief summaries
O		26 – 35	Yes		No	Free visitors parking	No	
Kanaal	4		Yes	COVID-19 free to allow for gym and social activities	No		No	
Kanaal	4	51 – 65	Yes	Stress management	Yes		Yes	
Kanaal	3	51 – 65	Yes	Physical and social	No	COVID-19 makes involvement difficult	Yes	Urban gardens and advanced waste management
Kanaal	4	65 +	Yes	Mobility	No	Living there full time	No	Energy conservation

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What building are you currently living in?	Reflecting on your activities and life circumstances, how would you rate your happiness?	What is your age range?	Does your health allow you to meet your day-to-day needs?	Which aspect(s) of your health could be improved?	Do you feel involved in the Zibi community?	If not, what initiatives would you like to see in order to become more actively involved?	Do you feel like you have a lot of opportunities to learn about different topics related to sustainability through Zibi?	What subjects would you be interested in learning more about?
Kanaal	4	65 +	Yes		Yes		Yes	
Kanaal	3	26 – 35	Yes	Na	No	Virtual games night	Yes	
Kanaal	3	36 – 50	Yes	More walkable areas in the community. More services close to home.	No	Stores. Events. Initiatives.	Yes	
Kanaal	4	26 – 35	Yes		No		No	
O	5	36 – 50	Yes	Social time	No	It's more a time issue rather than missing initiatives.	Yes	
Kanaal	4	65 +	Yes		Yes		Yes	
Kanaal	4	51 – 65	Yes	Stress management	Yes		Yes	
Kanaal	4	36 – 50	Yes	Fitness, mental health	No	Activities/initiatives cancelled bc of COVID-19.	No	Environmental footprint, recycling, clean air, bees, buying local & fresh products
Kanaal	3	36 – 50	Yes	weight loss	No	I am kind of ok with just living here.	Yes	
Kanaal	4	36 – 50	Yes	better sleep pattern	No	more discussions and community activities.	Yes	sustainable living, gardening, healthy eating habits, discussions on community initiatives going on, etc.
Kanaal	4	26 – 35	Yes	Access to the Gym	Yes		Yes	
O	5	36 – 50	Yes		Yes		Yes	
Kanaal	3	51 – 65	Yes	Regular exercise	No	Group activities and gatherings – in person and virtual	Yes	Many!
O	5	36 – 50	Yes	Weight	No	This is an investment property	Yes	
Kanaal	5	51 – 65	Yes		No	Activities on the kanaal side	No	
Kanaal	5	65 +	Yes		No		No	
O	2	26 – 35	Yes		No		No	
Kanaal	5	51 – 65	Yes	Physical	Yes		Yes	Recycling
Kanaal								
Kanaal	4	26 – 35	Yes		Yes			
O	3	26 – 35	Yes		Yes		yes	
O	3	65 +	Yes	Air quality and noise reduction (unit a/c, outdoors and indoors)	No	Too many undesirable renters (airBNB and temporary)	No	

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What building are you currently living in?	Reflecting on your activities and life circumstances, how would you rate your happiness?	What is your age range?	Does your health allow you to meet your day-to-day needs?	Which aspect(s) of your health could be improved?	Do you feel involved in the Zibi community?	If not, what initiatives would you like to see in order to become more actively involved?	Do you feel like you have a lot of opportunities to learn about different topics related to sustainability through Zibi?	What subjects would you be interested in learning more about?
O		65 +	Yes		No		No	
Kanaal	4	65 +	Yes	Connecting with my friends, and less work	No	I arrived during the pandemic; it's not so simple to spontaneously spark a conversation while passing by neighbours...	Yes	ornithology, energetic efficacy, reduce the use of soaps
O	4	51 – 65	Yes	Be in better shape	Yes	A better gym to have exercise classes	Yes	I do not know
O	4	36 – 50	Yes	My aerobic system	Yes		Yes	Renewable energy (solar energy in particular)
O	4		Yes	Local retailers	No	Activities (although I understand that the pandemic limits this possibility by a lot)	No	District thermal energy system

**Table 2:** Survey results for construction workers health and happiness.

How would you describe your overall health (mental and physical combined)?	Based on your work experience, do you think that more could be done on construction sites to improve workers' health?	Do you notice anything different going on at Zibi, compared to other construction sites? If so, please briefly elaborate.
Great	Yes	no not really, pretty standard site
Good	No opinion	Not at all
Good	No opinion	Not really, we were there for a very short term to install hardware.
Good	No	
Great	Yes	no
Good	No opinion	Not at all
Average	No	
Great	No	No difference still
Good	No	Seriousness and organization
Good	Yes	Professionalism of Zibi and its associates
Great	No	

**Table 3:** Survey results for staff health and happiness.

Reflecting on your activities and life circumstances, how would you rate your happiness?	Does your health allow you to meet your day-to-day needs?	Which aspect(s) of your health could be improved?
2	Yes	less stress
2	Yes	
3	Yes	Cardio, weight loss
3	Yes	Reduce junk food and increase exercise and movement.
4	Yes	Sleep
3	Yes	Work life balance (mental, physical and social)
3	Yes	physical activity
2	Yes	
3	Yes	overall physical fitness
3	Yes	
4	Yes	
3	Yes	Diet, Mental
3	Yes	
4	Yes	Less desk time
3	Yes	more exercise, more time in nature
3	Yes	
4	Yes	
3	Yes	
4	Yes	



# APPENDIX B: EQUITY AND LOCAL ECONOMY

## ELE5

**Table 1:** 2020 Event Overview

Date	Event	Event type	Number of attendees
Jan 09	Kanaal move-in event	Homeowner welcome	120
Jan 30	Yoga – reboot pilot session 1	Community	10
Feb 04	Snowshoe Night	Community	6
Feb 06	Yoga – pilot session 2	Community	10
Feb 27	Yoga	Community	8
Mar 01	Excellence in Literacy Foundation	Private rental	15
Mar 05	Yoga	Community	6
Mar 10	O Community Garden First Meeting	Community	9
Mar 11	Yoga	Community	3
Mar 11	The Box of Life workshop	Community	2
Apr 1	Virtual seeding workshop	Community	6
Apr 9	O Community Garden Second Meeting	Community	11
May 6	Residents virtual Q&A	Community	16
Jun 24	Ptite St-Jean	Facebook live	25
July	Ciné-Parc	Drive-in	6,500
August	Bluesfest at the Drive-in	Drive-in	5,250
Aug 13	Meet your Bees workshop	Community	12
Sep 8	Discover your City by Bike workshop	Community	9
Sep 12	Cyclotour Outaouais	Community	12
Sep 26	Roots and Shoots Farmhop	Community	10
Oct 27	O Community Garden End of Year meeting	Community	10
Nov 24	Alvéole virtual From Hive to Honey Jar workshop	Community	5
Dec 15	DIY Fresh Holiday Wreath virtual workshop	Community	1
Dec 16	Holiday Pop-up (Pied de Cochon/Habitude)	Market	400
<b>Total</b>			<b>12,456</b>

# APPENDIX C: CULTURE & COMMUNITY

## CC6 and CC7

**Table 1:** Survey results for staff environmental awareness and involvement.

Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	How has your environmental awareness changed since working at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
No	I've made a conscious effort to not use social media anymore	I don't know how I could participate	My awareness of this issue has developed or has improved since working at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that address sustainability issues and solutions., Coordinate field trips, Bring in guest speakers	Maybe
No	Can't find a group titled "Zibi Community Group". Follow Zibi's Facebook page.		My awareness of this issue has developed or has improved since working at Zibi.	Distribute manageable tips or ideas that people could incorporate into their lives. People can get overwhelmed by all the sustainable things we all should be doing, help people realize that it's okay to start small. Encourage bottle refills at Terra20, balcony garden in pots (what can someone grow with a north elevation), suggestions for how to move towards a more plant-based diet, promote local businesses that support any OPL initiatives, or how to prioritize mental health breaks in a workday, etc.	Yes
No	Don't like facebook		I was already aware of environmental issues and it did not evolve since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions., Bring in guest speakers, Have monthly sustainability challenges	Yes
No	I don't have Facebook.		I was already aware of environmental issues and it did not evolve since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions., Coordinate field trips	Yes
No	Don't have facebook		My awareness of this issue has developed or has improved since working at Zibi.	I think Zibi is doing a great job of spreading environmental awareness.	Yes
No	Didn't know about it	I don't know how I could participate	My awareness of this issue has developed or has improved since working at Zibi.	Coordinate field trips	Yes

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Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	How has your environmental awareness changed since working at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
No	wasn't aware of it ..		I was already aware of environmental issues and it did not evolve since working at Zibi.	Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges	Maybe
Yes		Participate in events, I want to bring my ideas and solutions to my community	My awareness of this issue has developed or has improved since working at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that address sustainability issues and solutions., Bring in guest speakers, Have monthly sustainability challenges	Maybe
Yes		I'm a bystander	My awareness of this issue has developed or has improved since working at Zibi.	Distribute monthly newsletters, Bring in guest speakers, Have monthly sustainability challenges	Maybe
No	Don't use Facebook		My awareness of this issue has developed or has improved since working at Zibi.	Coordinate field trips, Bring in guest speakers	Maybe
No	not on much social media		I was already aware of environmental issues and it did not evolve since working at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that address sustainability issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal sustainability pledge card	Maybe
Yes		I'm a bystander	My awareness of this issue has developed or has improved since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions.	Yes
No			My awareness of this issue has developed or has improved since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions., Bring in guest speakers	Maybe
No	Not on Facebook	Not on Facebook	My awareness of this issue has developed or has improved since working at Zibi.	Have monthly sustainability challenges, Make Zibi community members and workers sign a personal sustainability pledge card	Maybe
No	I don't believe in Facebook		My awareness of this issue has developed or has improved since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges	Yes
No	Not sure, I am a follower of the main Zibi page, not sure if that is the same one?	I'm a bystander, I want to bring my ideas and solutions to my community	My awareness of this issue has developed or has improved since working at Zibi.	Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal sustainability pledge card	Yes
No	not on facebook much		My awareness of this issue has developed or has improved since working at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that address sustainability issues and solutions.	Maybe

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Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	How has your environmental awareness changed since working at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
No			My awareness of this issue has developed or has improved since working at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more events that address sustainability issues and solutions, Coordinate field trips, Bring in special guests to speak, Have monthly environmental sustainability challenges, Have Zibi community members and workers sign a personal sustainability commitment card	Maybe
No	Not interested		My awareness of this issue has developed or has improved since working at Zibi.	Organize, host or facilitate more activities that address sustainability issues and solutions.	Maybe

CC6

**Table 2:** Survey results for residents environmental awareness and involvement.

How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
	Yes	To the question "how many neighbours do you know?" I would have answered 0 if that were a possibility	I don't really use Facebook at all and never really visit that page. When I did post, nobody participated.	Yes	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions.	Maybe
2-5	No	Didn't know there was one.		Yes	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card, Broaden what can be recycled/composted. Bring in food services and food retail that is sustainable.	Maybe
2-5	Yes		Participate in events	Yes	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
2-5	Yes		I'm a bystander	Yes	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions.	Maybe
6-10	No	Didn't know it existed		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions.	Yes
2-5	No		I don't know how I could participate	No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters.	No
1	No	I don't use, and don't want to have to use, Facebook		Yes	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions.	Yes
2-5	No	No Facebook.		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., More info on waste and recycling.	Yes

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
	No	Didn't know it existed		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters.	Yes
6-10	No			No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Make Zibi community members and workers sign a personal pledge card.	Maybe
more than 10	Yes		I want to bring my ideas and solutions to my community	No	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers.	Yes
2-5	Yes		Participate in events, I want to bring my ideas and solutions to my community	Yes	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card.	Maybe
1	No			No	My awareness of this issue has developed or has improved since living at Zibi.	Bring in guest speakers, Have monthly sustainability challenges.	Maybe
6-10	No	I wasn't aware it existed.	Participate in events, I want to bring my ideas and solutions to my community	No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card.	Yes
2-5	No		I'm a bystander	No	My awareness of this issue has developed or has improved since living at Zibi.		Maybe
6-10	No			No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Hikes, gardening and dog walking clubs.	Yes
2-5	No	I'm not on Facebook. I would like to join a Zibi community but Facebook is not a reasonable medium for me. I would certainly be interested in alternatives.		No	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Make Zibi community members and workers sign a personal pledge card, Communicate with Zibi residents the importance of picking up after their pets – for everyone's health and safety.	Yes

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
2-5	No	I requested to join the Zibi Kanaal Facebook group last year. (as directed at the cocktail event) Never was accepted into the group. Is there another group? I follow Zibi on FB/ Twitter/Insta/ LinkedIn – but there isn't a community group I am aware of for residents.	Participate in events, I want to bring my ideas and solutions to my community, (for question below – follow Zibi Opa – I do now!)	Yes	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card, I'm not sure but we have to do something. It can be rather discouraging. Not sure about the pledge card – that sounds awkward somehow. Maybe if there was enough buy in that could work. I wish we could set up a table in the lobby with a demos – or videos in the lobby maybe?	Yes
more than 10	Yes		Participate in events, To be honest I rarely, if ever, go on Facebook (not just the Zibi page)	Yes	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card.	Yes
1	No	Don't know how to find it		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges.	Yes
2-5	Yes		I don't know how I could participate	No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Until the pandemic is over, thats as much that can be done.	Maybe
6-10	Yes		Participate in events	Yes	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Bring in guest speakers.	Maybe
2-5	No	Did not know had one	I don't know how I could participate	No	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges, Monthly Newsletters by email.	Maybe
1	No	I don't have a Facebook account.		No	I am not concerned by environmental issues.	Distribute monthly newsletters.	No

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
2-5	No	Facebook is evil		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Coordinate field trips.	Maybe
2-5	Yes		Participate in events	No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
1	No	Didn't know it was a thing		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges.	Yes
2-5	No			No	I was already aware of environmental issues and it did not evolve since living at Zibi.		No
6-10	Yes		Participate in events		I was already aware of environmental issues and it did not evolve since living at Zibi.	Coordinate field trips, Bring in guest speakers.	Maybe
1	No	Wasn't aware		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions.	Maybe
1	Yes		Participate in events	No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
1	No	Not interested in Facebook	I'm a bystander	No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions.	Yes
1	No	Didn't know there was such a group	I don't know how I could participate	No	I was already aware of environmental issues and it did not evolve since living at Zibi.		No
2-5	No	I don't have Facebook		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Have monthly sustainability challenges.	Maybe

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
1	No	Facebook is evil :)	I don't know how I could participate	Yes	My awareness of this issue has developed or has improved since living at Zibi.	Coordinate field trips.	Yes
1	Yes		Participate in events	No	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
1	No	I am not active on Facebook		No	My awareness of this issue has developed or has improved since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Bring in guest speakers.	Maybe
1	No	Didn't know there was such a group	I don't know how I could participate	No	I was already aware of environmental issues and it did not evolve since living at Zibi.		No
1	No	Wasn't aware		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions.	Maybe
2-5	Yes		Participate in events, I want to bring my ideas and solutions to my community	No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Have Ambassadors for different causes.	Yes
2-5	No	I don't have a facebook		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	I don't think it's Zibi's responsibility to educate us on this topic.	No
2-5	Yes		Participate in events	No	My awareness of this issue has developed or has improved since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Bring in guest speakers, Have monthly sustainability challenges.	Yes
2-5	No	I don't use Facebook.		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	How about having proper EV charging infrastructure. Less talking about the problems and more solving and acting.	Maybe
2-5	No	Did not think about it.		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters.	No

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
1	No	Did not know it exists		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges, Make Zibi community members and workers sign a personal pledge card.	Yes
1	No	Not available		No	My awareness of this issue has developed or has improved since living at Zibi.	Keep the same work going.	Maybe
2-5	No	Didn't know it existed	Participate in events	No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
2-5	No	Not aware there was a Facebook Group	For information purposes only	No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters.	Maybe
1	No			No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that treat environmental issues and solutions., Coordinate field trips, Bring in guest speakers, Have monthly sustainability challenges.	Yes
6-10	No	Didn't know about it	Participate in events, I want to bring my ideas and solutions to my community	No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Have monthly sustainability challenges.	Yes
2-5	No	No Facebook account		No	I was already aware of environmental issues and it did not evolve since living at Zibi.	Organize, host or facilitate more activities that treat environmental issues and solutions., Have monthly sustainability challenges.	Yes
more than 10	No			No	I was already aware of environmental issues and it did not evolve since living at Zibi.		No
6-10	No	I'd rather face to face		Non	I was already aware of environmental issues and it did not evolve since living at Zibi.	Have Zibi community members sign a personal sustainability commitment card, there are too many tenants who don't care.	Maybe
6-10	No			Non	I was already aware of environmental issues and it did not evolve since living at Zibi.	Have Zibi community members sign a personal sustainability commitment card.	Maybe

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How many neighbors do you know?	Are you a member of the Zibi Community Facebook group?	If not, why so?	If so, how do you plan on using the platform?	Do you follow Zibi Opa on Instagram?	Would you say that your environmental awareness changed since living at Zibi?	What can Zibi do to improve environmental awareness? Check all that apply and elaborate if necessary.	Would you like to be more informed or to participate in more sustainability-focused activities?
6-10	No	I'm not apart of Facebook		Non	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more activities that address environmental issues and solutions, Coordinate field trips, Have monthly environmental challenges, Have Zibi community members sign a personal sustainability pledge card, Attempt to reduce excessive lighting in outdoor areas.	Maybe
6-10	Yes		I am a spectator	Non	My environmental awareness has evolved or improved since I have been living in Zibi.	Have monthly environmental challenges.	Maybe
more than 10	Yes		Participate in events, I am a spectator, I am embarrassed to share my ideas	Non	I was already aware of environmental issues and it did not evolve since living at Zibi.	Distribute monthly newsletters, Organize, host or facilitate more events that address environmental issues and solutions, Invite speakers.	Yes
6-10	No	I don't go on Facebook		Non	I was already aware of environmental issues and it did not evolve since living at Zibi.	Do some introspection. I have lived here for a short time and I notice the waste of electricity for example. The lights are on all the time in the common areas. I also have to leave the water running long enough to get a minimum of hot water. This seems to me to be wasteful. Here are two examples I can give you of how Zibi could improve.	Yes

### CC6

**Table 3:** Survey results for construction workers environmental awareness.

How would you describe your awareness of sustainability issues and solutions?
There's room for some improvement
There's room for some improvement
Good
Average
Average
There's room for some improvement
There's room for some improvement
Average
Great
Good
Good

### CC3

**Table 4:** Current and future art installations on Zibi site created by local artists.

Artists	Art description	Location on site
Naomi Blondin	*In design development	Zibi Plaza Wall
Amy Thompson	*In fabrication	Rock benches
Karl Chevrier	Fabricated, awaiting installation spring 2021	Bear Bike Racks

### CC5

**Table 5:** Memengweshii Council meeting dates.

Memengweshii Council Meeting Dates
Jan 14, 2020
Sep 18, 2020
Oct 29 2020
Nov 5, 2020
Nov 9, 2020
Nov 16, 2020
Nov 23, 2020
Average
Great
Good
Good

# APPENDIX D: LAND AND NATURE

## LN1

**Table 1:** Site area dedicated to park space.

Site size	137,593 square meters		
14% park spaces target	19,263 square meters		
Pangishimo size	2500 square meters	13% of total park space at completion	2% of total Zibi site
Head Street Square size	1600 square meters	8% of total park space at completion	1% of total Zibi site

## LN4

**Table 2:** Zibi residents' time spent in nature; 34.5% of surveyed residents living at Zibi stated that their time in nature has increased since living at Zibi.

Has your time in nature increased since living at Zibi?	Would you be interested in joining O's Community Garden group ran by a residents' gardening committee?
No	Yes
No	Maybe
No	Yes
Yes	Already a member
No	Maybe
Yes	No
No	No
Yes	No
Yes	No
Yes	Yes
Yes	Already part of the Zibi community garden...
No	Maybe

▼ Chart continued on next page

Has your time in nature increased since living at Zibi?

Would you be interested in joining O's Community Garden group ran by a residents' gardening committee?

No	Maybe
No	Maybe
No	Maybe
Yes	Yes
No	Maybe
No	Maybe
Yes	Already am
Yes	Yes
No	No
No	Am already member
Yes	Maybe
No	No
No	Yes
No	Maybe
No	Yes
No	No
Yes	No
No	Maybe
Yes	Yes
No	Maybe
No	Yes
Yes	Maybe
No	Maybe
Yes	Yes
Yes	Maybe
No	Yes
No	Maybe
No	Maybe but would like more info on time commitment etc.
No	No
Yes	Yes
No	Maybe

▼ Chart continued on next page

Has your time in nature increased since living at Zibi?

Would you be interested in joining O's Community Garden group ran by a residents' gardening committee?

No	Yes
No	Maybe
No	No
Yes	Maybe
No	No
No	Yes
No	Yes
Yes	Yes
No	Maybe
No	No
No	No
Yes	Maybe
No	Already am
No	Yes
Yes	I already expressed my intention when I arrived in Sept. The gardening committee already has my contact information and I receive the emails

# APPENDIX E: SUSTAINABLE WATER

## SW1

**Table 1:** Monthly potable water consumption in O (95 residents in 64 units).

Month	Consumption (L)	Number of users	Potable water consumer per person, per day (L)
Jul	284000	95	96.4
Aug	296000	95	100.5
Sep	287000	95	100.7
Oct	306000	95	103.9
Nov	281000	95	98.5
Dec	281000	95	95.4
<b>Summary</b>	<b>1735000</b>	<b>95</b>	<b>595.6</b>
<b>Average</b>	<b>289.1</b>	<b>95</b>	<b>99.2</b>

## SW1

**Table 2:** Efficiency of fixtures installed in suites in Condominium 205A (Kanaal).

Average flow rate	
Kitchen faucet	5.7 L/min
Lavatory faucet	5.7 L/min
All showers	6.62 L/min
All toilets	4.8 L/min

## SW1

**Table 3:** Efficiency of fixtures installed in commercial Block 208.

Average flow rate	
Toilet	4.8 LPF (1.28 GPF)
Urinal	1.9 GPF
Faucet	0.5 GPM (1.9 L/min)



SW3

**Table 4:** # Toilet Units in Block 13

3 first floors are fed with cistern water (total of 48)

Floor	# toilets
1	12
2	18
3	18
4	18
5	16
6	16
<b>TOTAL</b>	<b>98</b>

SW3

**Table 5:** # Toilet Units in Block 205A

Floor	# toilets
1	12
2	11
3	21
4	23
5	21
6	19
<b>TOTAL</b>	<b>107</b>

SW3

**Table 6:** # Toilet Units in Block 208

Floor	# toilets
1	5
2	5
3	5
4	5
<b>TOTAL</b>	<b>20</b>

<b>TOTAL TOILETS</b>	<b>243</b>
Toilets fed by cistern	48
Cistern Volume maximum capacity	47,147L

# APPENDIX F: LOCAL AND SUSTAINABLE FOOD

## LSF2 and LSF3

**Table 1:** 63% of surveyed staff claim to purchase at least 25% of their food (by value) that is organic, or local, or Fair Trade. 3/19 of surveyed staff participate in a CSA program.

Would you be interested in joining a Community Garden group at the office assuming we are back together by Spring 2021?	What percentage of food you consume is either from local, Fairtrade or organic sources?	In the last year, have you been registered in a CSA or farm-to-table program?
No	51-75%	Yes
No	76-99%	No
Yes	51-75%	No
Yes	1-25%	No
Yes	1-25%	No
Maybe	1-25%	No
Maybe	1-25%	No
Yes	51-75%	No
Maybe	26-50%	No
Maybe	51-75%	No
No	26-50%	No
Yes	1-25%	No
No	1-25%	No
Yes	26-50%	Yes
Yes	26-50%	Yes
Maybe	26-50%	No
No	26-50%	No
No	26-50%	No
No	1-25%	No

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## LSF2 and LSF3

**Table 2:** 60% of surveyed residents surveyed indicated that at least 25% of their food (by value) is organic, or local, or Fair Trade. 16% of surveyed residents indicated that they participate in Zibi's CSA program with Roots and Shoots.

Would you be interested in joining O's Community Garden group ran by a residents' gardening committee?	What percentage of food you consume is either from local, Fairtrade or organic sources?	In the last year, have you been registered in a CSA or farm-to-table program?	If not, what are the reasons why?
Yes	26-50%	Yes	
Maybe	26-50%	No	Moved in middle of growing season. Had my own garden at cottage where we lived while waiting for our condo.
Yes	76-99%	No	Too much produce I don't need. Would be wasteful for me to join.
Already a member	26-50%	No	
Maybe	76-99%	No	
No	1-25%	No	
No	1-25%	No	
No	1-25%	No	Lots of local food available, own garden.
No	1-25%	No	Price
Yes	76-99%	Yes	
Already part of the Zibi community garden...	26-50%	Yes	
Maybe	1-25%	No	
Maybe	26-50%	No	I live alone
Maybe	51-75%	No	I find it is often too much food for one person and I prefer to decide on my vegetables, not get a random selection.
Maybe	26-50%	Yes	
Yes	51-75%	No	
Maybe	26-50%	No	I haven't looked hard enough at the opportunity. If Zibi could provide preferential access to such a program for residents – I would seriously consider joining.
Maybe	26-50%	No	I wasn't around enough to be consistent. I do shop at local markets or at local farms however
Already am	51-75%	Yes	
Yes	1-25%	No	
No	1-25%	No	I am not at Zibi full time
Am already member	1-25%	No	
Maybe	26-50%	No	Do not know address
No	1-25%	No	

Would you be interested in joining O's Community Garden group ran by a residents' gardening committee?	What percentage of food you consume is either from local, Fairtrade or organic sources?	In the last year, have you been registered in a CSA or farm-to-table program?	If not, what are the reasons why?
Yes	1-25%	No	Economy
Maybe	51-75%	No	Cost and volume for one person
Yes	51-75%	No	Just moved
No		No	
No	51-75%	No	Awareness
Maybe	51-75%	No	Too busy
Yes	1-25%	No	Cost and we have not spent time informing ourselves of the programs
Maybe	51-75%	No	do my own vegetables in season and don't need to be registered to practice
Yes	0	No	Too much of a hassle
Maybe	1-25%	No	
Maybe	1-25%	No	Not enough local options.
Yes	1-25%	No	COVID-19
Maybe	51-75%	No	Spending too much time away from the city due to COVID-19 (living at our cottage).
Yes	0	No	Too much of a hassle
Maybe	51-75%	No	Too busy
Maybe but would like more info on time commitment etc.	1-25%	No	moved three times last year, we are not big cooks.
No	51-75%	Yes	
Yes	76-99%	No	have not taken the time to research and get more informed on this
Maybe	76-99%	Yes	
Yes	1-25%	No	
Maybe	51-75%	No	COVID-19
No	51-75%	Yes	
Maybe	51-75%	No	
No		No	Was not aware of the existence of CSA
Yes	26-50%	No	
Yes	76-99%	No	COVID-19 didn't allow for it
Yes	26-50%	No	

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Would you be interested in joining O's Community Garden group run by a residents' gardening committee?	What percentage of food you consume is either from local, Fairtrade or organic sources?	In the last year, have you been registered in a CSA or farm-to-table program?	If not, what are the reasons why?
Maybe	1-25%	No	
No	1-25%	No	no interest
No	1-25%	No	
Maybe	76-99%	No	The very long delays to integrate our unit, we were in transit between several places of stay.
Already am	26-50%	no	Usually I travel for work and I'm away too often
Yes	1-25%	Yes	
I already expressed my intention when I arrived in Sept. The gardening committee already has my contact information and I receive the emails	26-50%	No	I just arrived in Zibi and I plan to do it next summer

# APPENDIX G: TRAVEL AND TRANSPORT

## TT1

**Table 1:** Staff survey results on travel habits.

Over the course of a typical year where we work at the office, which one of the following modes of transportation do you use most often to commute to work everyday?	During a typical year, how often do you commute sustainably over the course of the entire year?	Approximately how far is your one-way commute to work?	What modes of transportation have you used during 2020?	What barriers might prevent you from commuting sustainably? Select all that apply.	If more resources were available to you at work, would you commute sustainably more often?	Which of the following at work resources would help you commute sustainably?	Would you be interested in joining a Zibi-organised carpool board?
Public transit	51-75% of the time	1-5 km	Walking or running, Biking, Public transit, Electric/Hybrid vehicle			A parked car sharing vehicle on-site	Maybe
Vehicle	1-25% of the time	26-35 km	Telecommuting	Distance, Appropriate infrastructure (EV charging stations, bike lanes, showers at work, lockers...), Public transit not available in our area	No	Nothing	No
Vehicle	0	16-25 km	Walking or running	Distance, Weather	Maybe		Maybe
Public transit	51-75% of the time	16-25 km	Public transit, Telecommuting	Going to meetings for only 2 hours and bus schedules don't work for this.	Yes	Nothing	No
Vehicle	1-25% of the time	26-35 km	Walking or running	Distance, Family commitments	No	Nothing	No
Vehicle	26-50% of the time	1-5 km	Biking, Car	Appropriate infrastructure (EV charging stations, bike lanes, showers at work, lockers...), Weather, Dangers (biking alongside cars)	Yes	More showers and lockers	Maybe
Telecommuting	100% of the time	1-5 km	Telecommuting	Appropriate infrastructure (EV charging stations, bike lanes, showers at work, lockers...), Weather	Yes	More showers and lockers, A parked car sharing vehicle on-site, More secure bike storage	Maybe

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Over the course of a typical year where we work at the office, which one of the following modes of transportation do you use most often to commute to work everyday?	During a typical year, how often do you commute sustainably over the course of the entire year?	Approximately how far is your one-way commute to work?	What modes of transportation have you used during 2020?	What barriers might prevent you from commuting sustainably? Select all that apply.	If more resources were available to you at work, would you commute sustainably more often?	Which of the following at work resources would help you commute sustainably?	Would you be interested in joining a Zibi-organised carpool board?
Vehicle	1-25% of the time	11-15 km	Walking or running, Carpooling, Public transit	Weather, Dangers (biking alongside cars), Time	Yes		Maybe
Vehicle	1-25% of the time	6-10 km	Telecommuting	Need car for work during the day	Maybe		Maybe
Vehicle	1-25% of the time	6-10 km	Walking or running	Weather	No		No
Bike	51-75% of the time	6-10 km	Walking or running, Biking, Public transit, Electric/Hybrid vehicle, Telecommuting		Yes	More showers and lockers, A parked car sharing vehicle on-site	No
Vehicle	1-25% of the time	11-15 km	Biking, Public transit	Distance	Maybe	An organized carpool board	Maybe
Vehicle	1-25% of the time	11-15 km	Walking or running, Biking, Carpooling, Public transit, Telecommuting	Distance, Weather	Maybe	More showers and lockers	No
Bike	76-99% of the time	6-10 km	Walking or running, Biking	Weather	Maybe	All good!	Maybe
Vehicle	51-75% of the time	1-5 km	Walking or running, Biking, Carpooling, Public transit, Telecommuting	Weather, Dangers (biking alongside cars), Family commitments, Need car for work during the day	Maybe	A parked car sharing vehicle on-site, An organized carpool board	Yes
Vehicle	26-50% of the time	50+ km	Telecommuting, Car	Distance, Weather	No	Nothing	Maybe
Bike	51-75% of the time	1-5 km	Walking or running, Biking, Carpooling, Telecommuting	Weather, Need car for work during the day	No	Nothing	Maybe
Vehicle	0	16-25 km	Car	Distance, Need a car for my work during the day	No	Nothing	No
Vehicle	0	6-10 km	Car	Need a car for my work during the day	Maybe		No

TT1

**Table 2:** Resident survey results on travel habits.

In a typical year, which one of the following modes of transportation do you use most often to commute to work everyday?	On average how often do you commute sustainably over the course of a typical year?	Check all forms of sustainable transportation that you use throughout the year.	Approximately how far is your one-way commute to work?	How to expect that the pandemic will impact your commuting habits post-pandemic?
Run/walk	100% of the time	Walking or running, Biking, Carpooling, Public transit, What is telecommuting?	1-5 km	I will be working from home in perpetuity
Work from home	26-50% of the time	Walking or running, Biking, Carpooling, Public transit, Electric/Hybrid vehicle, Telecommuting	1-5 km	No anticipated changes
Vehicle		Walking or running, Biking, Carpooling	6-10 km	I will be working from home in perpetuity
Run/walk	51-75% of the time	Walking or running, Carpooling, Public transit	1-5 km	I will be working from home in perpetuity
Vehicle	1-25% of the time	Walking or running, Biking	6-10 km	No anticipated changes
Public transit	1-25% of the time	Walking or running, Biking, Public transit	6-10 km	I will use public transportation more than before
Run/walk	76-99% of the time	Walking or running, Biking, Public transit	1-5 km	No anticipated changes
Run/walk	100% of the time	Walking or running, Biking, Carpooling, Public transit, Electric/Hybrid vehicle	1-5 km	No anticipated changes
Public transit	26-50% of the time	Walking or running, Biking, Public transit, Telecommuting	1-5 km	I will use public transportation less than before
Run/walk	51-75% of the time	Walking or running, Biking, Telecommuting	1-5 km	No anticipated changes
As we can't choose more than one option, before COVID-19, I used to bike, run, walk and commute by train.	76-99% of the time	Walking or running, Biking, Public transit	6-10 km	I will be working from home in perpetuity
Run/walk	51-75% of the time	Walking or running, Carpooling, Public transit	1-5 km	No anticipated changes
Vehicle	1-25% of the time		16-25 km	I will be working from home in perpetuity
Public transit	100% of the time	Walking or running, Biking, Public transit, Telecommuting	1-5 km	I will use public transportation more than before
Public transit	51-75% of the time	Walking or running, Carpooling, Public transit	36-50 km	I will be working from home in perpetuity
Vehicle	51-75% of the time	Walking or running, Biking	1-5 km	I will be working from home in perpetuity
Telecommuting	26-50% of the time	Walking or running, Biking, Public transit, Telecommuting	50+ km	I will be working from home in perpetuity
Since moving here I can walk to work. Prior to that I drove. This year I work from home	100% of the time	Walking or running, Biking, Public transit, Telecommuting	1-5 km	I will use active transportation more than before
Bike	100% of the time	Walking or running, Biking, Electric/Hybrid vehicle	6-10 km	No anticipated changes

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In a typical year, which one of the following modes of transportation do you use most often to commute to work everyday?	On average how often do you commute sustainably over the course of a typical year?	Check all forms of sustainable transportation that you use throughout the year.	Approximately how far is your one-way commute to work?	How to expect that the pandemic will impact your commuting habits post-pandemic?
Public transit	51-75% of the time	Walking or running, Biking, Carpooling, Public transit, Electric/Hybrid vehicle, Telecommuting	1-5 km	I will be working from home in perpetuity
Car	1-25% of the time	Walking or running, Biking	1-5 km	No anticipated changes
Run/walk	100% of the time	Walking or running, Public transit, Telecommuting	1-5 km	No anticipated changes
Public transit	26-50% of the time	Walking or running, Public transit, Telecommuting	6-10 km	I will use my vehicle more than before
Vehicle	1-25% of the time	Walking or running, Biking, Public transit, Telecommuting	26-35 km	I will use my vehicle more than before
Run/walk	76-99% of the time	Walking or running, Carpooling	1-5 km	No anticipated changes
Public transit	76-99% of the time	Biking, Public transit	6-10 km	No anticipated changes
Vehicle	1-25% of the time	Walking or running, Carpooling, Telecommuting	1-5 km	I will be working from home in perpetuity
Vehicle	1-25% of the time	Walking or running, Biking		
Work at home	26-50% of the time	Walking or running, Biking, Carpooling	1-5 km	I will be working from home in perpetuity
Vehicle	100% of the time	Walking or running, Biking, Telecommuting	6-10 km	No anticipated changes
Vehicle	1-25% of the time	Walking or running, Biking	11-15 km	No anticipated changes
Vehicle	1-25% of the time	Walking or running, Biking, Carpooling		No anticipated changes
Vehicle	0	Walking or running	50+ km	I will use my vehicle more than before
Run/walk	51-75% of the time	Walking or running, Public transit	1-5 km	I will use active transportation less than before
Airplane (I'm a pilot)	1-25% of the time	Walking or running, Biking, Public transit, E-scooter rental	6-10 km	No anticipated changes
Public transit	1-25% of the time	Walking or running, Biking, Carpooling, Public transit	1-5 km	I will be working from home in perpetuity
Run/walk	76-99% of the time	Walking or running, Biking	1-5 km	No anticipated changes
Vehicle	0	Walking or running	50+ km	I will use my vehicle more than before
Vehicle	100% of the time	Walking or running, Biking, Telecommuting	6-10 km	No anticipated changes
Vehicle	26-50% of the time	Walking or running, Biking, Telecommuting	50+ km	I will use active transportation more than before
Public transit	100% of the time	Walking or running, Public transit, Electric/Hybrid vehicle	50+ km	I will use active transportation less than before
Bike	51-75% of the time	Walking or running, Biking, motorbike	11-15 km	No anticipated changes
Electric/hybrid vehicle	100% of the time	Walking or running, Electric/Hybrid vehicle	16-25 km	No anticipated changes

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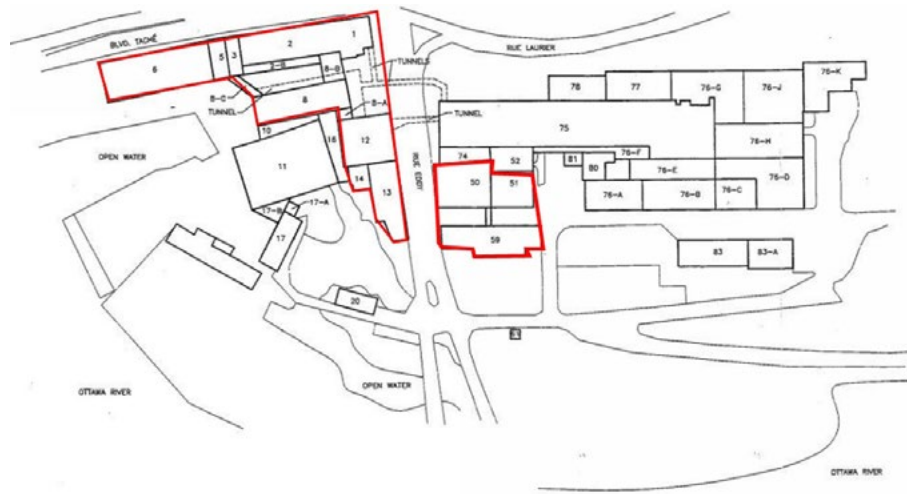
In a typical year, which one of the following modes of transportation do you use most often to commute to work everyday?	On average how often do you commute sustainably over the course of a typical year?	Check all forms of sustainable transportation that you use throughout the year.	Approximately how far is your one-way commute to work?	How to expect that the pandemic will impact your commuting habits post-pandemic?
Telecommuting	1-25% of the time	Telecommuting	26-35 km	No anticipated changes
Telecommuting	26-50% of the time	Walking or running, Biking, Public transit, Telecommuting	1-5 km	I will be working from home in perpetuity
Vehicle	1-25% of the time	Walking or running, Biking	26-35 km	No anticipated changes
Vehicle	76-99% of the time	Walking or running, Biking	26-35 km	No anticipated changes
Retired do not commute on a daily basis				
Run/walk	26-50% of the time	Walking or running	1-5 km	I will be working from home in perpetuity
Bike	100% of the time	Walking or running, Biking	1-5 km	No anticipated changes
Vehicle	1-25% of the time	Walking or running, Biking, Carpooling	6-10 km	I will be working from home in perpetuity
Telecommuting	51-75% of the time	Walking or running, Telecommuting	1-5 km	No
Walk/run	1-25% of the time	Walking or running	1-5 km	Yes
Vehicle	1-25% of the time	Walking or running		Yes
Electric/hybrid vehicle	76-99% of the time	Walk or run, Bike, Carpool, Electric/hybrid vehicle	6-10 km	Yes
Walk/run	76-99% of the time	Bike, Public transit	1-5 km	Yes
Telecommuting	51-75% of the time	Walk or run, Bike, Carpool, Public transportation, Telecommuting	1-5 km	Yes
Walk/run	51-75% of the time	Walking or running, Bike, Telecommuting	1-5 km	Yes

# APPENDIX H: MATERIALS AND PRODUCTS

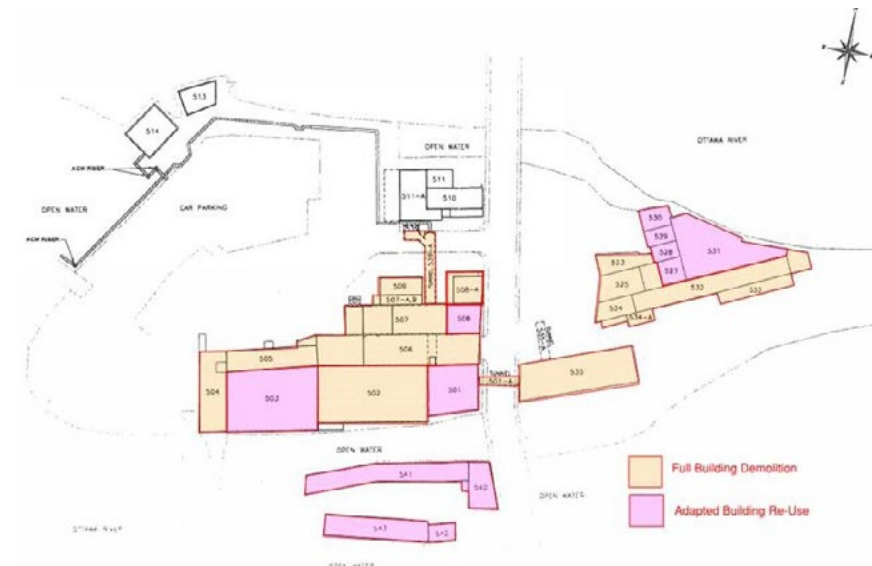
## PM1

Buildings being retained and repurposed: Zibi has committed to retaining and repurposing 50% of the buildings on site. While several buildings on site are protected by municipal law due to their heritage value, retaining these buildings also allows for Zibi to celebrate the rich industrial history of the site. Unfortunately, retaining aged and in most cases unmaintained buildings bring forth challenges associated with structural integrity and energy efficiency once repurposed, not to mention the financial implications associated with these activities. As such, Zibi undertook an extensive study to assess the retention and reuse feasibility of buildings on site. Buildings protected by law for their heritage value as well as those planned for retention are highlighted in the figures below.”

**Figure 1:** Buildings to be retained in Gatineau highlighted in red.



**Figure 2:** Buildings to be retained in Ontario highlighted in pink.



**PM3**

**Table 1: Materials and products from projects turned over in 2020.**

Block 205A	Block 208
Some cabinets and doors are made of FSC certified timber, although the details of total FSC wood products used during construction will be reported on next year.	46% (6/13 documented products) of all insulation materials used in 208 are GREENGUARD Gold Certified, CFC & HCFCs free, and have less than 100ppm product formaldehyde content.
All paints, coatings, sealants and adhesives used in 205A have 45 g/l VOC content or lower.	No FSC wood was used in 208.
	All paints, coatings, sealants and adhesives used in 208 are LEED certified for VOC content.

**PM3**

**Table 1: Poured concrete data from projects turned over in 2020.**

Total % Post-Industrial Recycled Material Content Zibi Block 205A + 208	
Tomlinson Ready Mix supplied 5466 cubic metres of concrete to the job, via several concrete mix designs. Tomlinson Ready Mix certifies these numbers to the actual output values from the noted template, which has been approved by the Canada Green Building council for use with the LEED Canada rating system. Finally, the sources of the raw materials used in the production of concrete meet the local requirements of the LEED certification program and are indicated on the mix design submission form.	
<b>Total % Post-Industrial Recycled Material Content</b>	<b>53.34%</b>
<b>Total Quantity of Concrete</b>	<b>5466m3</b>
<b>Total Recycled Content Value of Cementitious materials supplied to this project</b>	<b>\$60,759</b>

# APPENDIX I: ZERO WASTE

**Table 1.** Staff’s knowledge on waste management at the office.

Do you compost?	Do you recycle?	Are you confident about your knowledge on waste sorting?	What do you find challenging about waste sorting?	How could we help you better manage your waste?
Yes	Yes	Yes	Packaging with poor design to be recycled (needs regulation)	The onus should be more on commercial and regulatory agencies to improve end of life considerations than the individual.
Yes	Yes	Yes	Understanding the difference between how Quebec and Ontario handle waste. i.e. where can compost my Olivia container and why can't I do so in Ontario?	Explain why there are different sorting requirements in different cities.
Yes	Yes	Yes		
No	Yes	Yes		
Yes	Yes	Yes	Cardboard coffee cups, juice/milk cartons, accessing whether the plastic is recyclable	Nothing. Zibi's sustainability ambassadors are an excellent resource already.
Yes	Yes	Yes	Nothing	Not sure but open to what others do that we may not know about
No	Yes	Yes	I haven't worked in the office – and my apartment doesn't offer composting	
Yes	Yes	Yes		
Yes	Yes	Yes	Knowing sorting requirements on some items	Further knowledge
Yes	Yes	No		
Yes	Yes	Yes		
Yes	Yes	No	What goes where	
Yes	Yes	No	Rules vary by jurisdiction and waste company	
Yes	Yes	Yes	Inconsistency between municipalities	Clear signage
Yes	Yes	Yes	too many products are mixed materials and therefore garbage	
No	Yes	Yes		Nothing but I just wanted to say I don't compost because I live too close to bear country ;)
Yes	Yes	Yes	nothing	you've already helped with the pictures!
Yes	Yes	Yes	nothing	I'm okay
Yes	Yes	Yes	nothing	

**Table 2.** Residents' knowledge on waste management on site.

Do you compost?	Do you recycle?	Are you confident about your knowledge on waste sorting?	What do you find challenging about waste diversion? Please include details.	How could we help you better manage your waste? Please include details, and any suggestions that come to mind.
Sometimes	Yes	No		
Yes	Yes	Yes	Too many recyclable materials need to go in garbage. In particular many plastics that are recyclable, but just not here.	Retailers/food service with sustainable packaging, broaden what is accepted in recycling.
Yes	Yes	Yes		
Yes	Yes	Yes		
Yes	Yes	Yes	That our neighbours don't do it well	
No	Yes	Yes		
Yes	Yes	No	Plastics: which can be recycled and which cannot.	
Yes	Yes	Yes	Many plastics won't be recycled in Ottawa.	The recycling bins seem to be very small compared to the other waste bins.
Yes	Yes	Yes		Education for other residents who do not properly sort their garbage.
Yes	Yes	Yes		bring local food suppliers/retailers into the community that minimize packaging.
Yes	Yes	Yes	At Zibi (in town), we can compost. At our house in Denholm, we don't have any composting bin yet and don't want to throw it in the woods, as that could attract animals. We have to bring our compost container to town to compost. Cherchez l'erreur! LOL!	We should start collecting compost from the building for the community garden
Yes	Yes	Yes		Offer group purchase of electronic food waste recycler (composting)
Yes	Yes			
Yes	Yes	Yes	Sometimes the packaging is not clearly marked and I am not sure what to do with it.	I think it would help if we got status reports, if possible. If costs are higher due to improper sorting, what are the mistakes that are being made? Perhaps more signage in the sorting room.
Yes	Yes	Yes		
Yes	Yes	Yes		
Yes	Yes	Yes	Others not following the diversion protocol.	Easier to access the indoor diversion bins; outdoor recycling receptacles; outdoor pet waste receptacles; an environmentally conscious food/grocery store on site; vertical farming opportunity on site
Yes	Yes	Yes	Those who are uninformed and or don't care. I spend time to do it right and then I go downstairs and it feels like the effort is being purposefully disrespected.	Educate every single resident. We have to get buy in. Demos maybe? Oscar AI? Its so frustrating. I moved here because of what I believed in, and now I am paying more for fees because other people don't respect it. Very discouraging. Educate educate. And those that don't care? Maybe it might have to come down to increased fees for those who don't respect the initiative.
Yes	Yes	Yes	Tons of things we buy are plastic, or wrapped in plastic and useless waste. Lack of stores or groceries selling bulk or container free	Attract a grocery store that sells bulk, zero waste. Enforce fines for non compliance (or maybe easier to offer incentives for compliance). Installing cameras in the waste room would limit those who don't sort and would permit to use examples of non compliance.

▼ Chart continued on next page

Do you compost?	Do you recycle?	Are you confident about your knowledge on waste sorting?	What do you find challenging about waste diversion? Please include details.	How could we help you better manage your waste? Please include details, and any suggestions that come to mind.
Yes	Yes	Yes		
No	Yes	No	What plastics are recyclable	Label better the slots in the garbage room
Yes	Yes	No	Knowing what can be recycled	
Yes	Yes	Yes		Stickers to put on bins on what to include in each waste bin
Sometimes	Yes	Yes		
Yes	Yes	Yes	Compost attracts a terrible amount of flies during the summer.	
Yes	Yes	Yes	Plastics – how best to use less of single use.	Not really a sorting issue but as above, strategies to use less single use plastics.
Yes	Yes	Yes	The fact that it's on a parking level I'm not on, the doors are heavy and close automatically. Other people still throwing plastic bags in recycling	Garbage on p2. Clearer signs above the recycling one in hopes of assisting people
No	Yes	Yes		
Sometimes	Yes	Yes	Improve your signage	Improve your signs: garbage paper plastic food
Yes	Yes	Yes	Grocery store packaging	
Yes	Yes	Yes	Certain plastics are not recyclable	
Sometimes	Yes	Yes	the trip to the road for drop off, which is a mile one way.	increase the size of the collection bins
No	Yes	No	It is very confusing. Was much easier at my previous condo	We had recently cling trash stations on every floor by the elevators
No	Yes	Yes	Organic bags are expensive and small. Difficult to separate sometimes	
Yes	Yes	Yes	The waste-doors in the waste sorting room are impossible to manage with full hands. Also a table inside and outside the main door would be nice (and an accessible door opener).	
Yes	Yes	No	Its hard to know that the waste is actually getting disposed of responsibly. Labels on packing is very misleading.	better disposal bins in the waste room.
Yes	Yes	Yes	I find it disappointing to see other residents not sort their waste appropriately.	I wonder if compost machines (dehydrators) would be worthwhile so Zibi could keep and reuse its own organic waste. Or large-scale vermicomposter (if this exists). Select onsite merchants that sell in bulk, encourage patrons to use their own containers and bags.
No	Yes	No	It is very confusing. Was much easier at my previous condo	We had recently cling trash stations on every floor by the elevators
Yes	Yes	Yes	Grocery store packaging	
Yes	Yes	Yes	recycling symbols can be hard to read, seeing so much stuff in the incorrect bin including recyclables in the garbage :( Does the bin really get thrown out if not sorted properly – I've heard this but am not sure if it's true.	A donation box for re-useable items, clear signage with recycling info, workshops, an info email address to ask specific things about recycling, when are appliance/electronic pick-up days, can we recycle batteries, toxic items etc. here as well. As we can only recycle 1 & 2 plastics here – is there somewhere to recycle all the other plastic numbers?
No	Yes	Yes		

▼ Chart continued on next page

Do you compost?	Do you recycle?	Are you confident about your knowledge on waste sorting?	What do you find challenging about waste diversion? Please include details.	How could we help you better manage your waste? Please include details, and any suggestions that come to mind.
Yes	Yes	Yes	limiting my waste (buying in vrac) vs. managing time vs. living in a small place vs. \$	offer activities & discussion on waste sorting for the community; champion; share lessons learned and best practices; mentoring?!
No	Yes	Yes		
Yes	Yes	Yes		
Yes	Yes	No	Cannot find places to put many items, like batteries and light bulbs, etc	Provide places for hard to recycle items as above
Yes	Yes	Yes		
Sometimes	Yes	No		
Sometimes	Sometimes	No	Limited space in condo makes this difficult	Probably a better understanding of the whole process
No	Yes	Yes		It is unsanitary. Especially during COVID-19. There isn't enough bins and it isn't clean sometimes to go down there.
Yes	Yes	No	Recycling seems limited to acceptable items	Information sessions and training
Yes	Yes	Yes		
No	No			
Yes	Yes		City to pass by more frequently	not comfortable
Yes	Yes			not at all comfortable
Yes	Yes	Lack of respect from other people in the building for the paths of the waste	Support better selection/education of people, because one mistake contaminates the containers	It's okay, but despite our efforts to reduce, I'm afraid that very large windows make the efficiency below average, even if we try to reduce the level of heat (winter), and cooling (summer)
Yes	Yes	Plastics, I never know if it is recyclable or not and bulky items		no problem
Yes	Yes			Comfortable
Yes	Yes	Nothing	Clearer signs encouraging and educating residents to compost and recycle. There seems to be far too much waste	Not really comfortable



## ZW4

**Table 3.** Summary of total construction waste diversion site-wide for 2020 demonstrating that Zibi diverted 83% of construction waste.

	Waste (MT)	Residual (MT)	Diversion rate (%)
Qc	105.97	0.5515	99%
ON	711.05	134.29	81%
<b>Site-wide total</b>	<b>817.02</b>	<b>134.8415</b>	<b>83%</b>

## ZW4

**Table 4.** Waste audit for Ontario.

### Poids total (MT) par type de matériel

Date (2020)	Asphalt	Fibre	Cleanfill	Concrete	Concrete/rebar	Drywall	Metal	Ceiling Tiles	Aggregate	Wood	Porcelain	Glass	Total diverted (MT)	Total residual (MT)	Total (MT)	Diversion rate (MT)
January	0	1.06	0	0	0	1.35	3.79	0	42.82	27.81	0	0	35.25	13.67	48.92	72%
February	0	5.92	0	0	0	1.94	4.32	0	5.17	12.46	0	0	29.81	9.53	39.34	75%
March	0	4.61	0	0	0	1.25	3.12	0	1.82	14.48	0	0	25.28	7.05	32.33	78%
April	0	0.78	0	0	0	1.03	2.43	0	5.78	7.73	0	0	17.75	3.99	21.74	82%
May	0	3.16	0	0	0	0.92	1.73	0	3.49	17.66	0	0	26.96	4.93	31.89	85%
June	0	4.25	0	0	0	4.17	3.5	0	25.27	29.43	0	0	66.62	18.21	84.83	79%
July	0	3.7	0	0	0	2.04	6.28	0	33.39	40.81	0	0	86.22	11.59	97.81	89%
August	0	6.53	0	0	0	3.91	6.41	0	16.04	48.47	0	0	81.36	25.58	106.94	76%
September	0	8.47	0	0	0	2.06	2.43	0	8.43	31.97	0	0	53.36	17.66	71.02	75%
October	0	1.42	0	0	0	0.2	2.21	0	12.19	29.44	0	0	45.46	9.65	55.11	82%
November	0	1.72	0	0	0	0	2.32	0	15.34	10.53	0	0	29.91	4.91	34.82	86%
December	0	6.09	0	0	0	0	4.45	0	36.52	31.72	0	0	78.78	7.52	86.3	91%
<b>TOTAL</b>	<b>0</b>	<b>47.71</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18.87</b>	<b>42.99</b>	<b>0</b>	<b>206.26</b>	<b>302.51</b>	<b>0</b>	<b>0</b>	<b>576.76</b>	<b>134.29</b>	<b>711.05</b>	<b>81%</b>

ZW4

**Table 4.** Waste audit for Quebec

Date (2020)	Total weight (MT) per material type								Residual (MT)	Total (MT)	Diversion rate (%)
	Wood	Metal	Cardboard	Shingles	Gypse	Insulation	Aggrigate	Plastic			
January	0.684	0.228	0.456	0	0	0	0.114	0.684	0.114	2.28	95%
February	2.9305	1.2715	0.764	0	0	0.764	0.764	1.146	0	7.64	100%
March	3.0065	0.9765	0.742	0	0	0.9765	0.84	0.8785	0	7.42	100%
April	0	0	0	0	0	0	0	0	0	0	n/a
May	0.807	0	0.538	0	0.269	0.807	0	0.269	0	2.69	100%
June	10.0685	0.852	0.568	0	0	0.936	2.4695	0.936	0	15.83	100%
July	1.265	0	0.506	0	0	0	0	0.506	0.253	2.53	90%
August	6.303	2.469	1.1415	0	0	0.366	0.918	1.878	0.1845	13.26	98.61%
September	4.723	2.58	1.72	0	2.185	1.72	2.101	2.171	0	17.2	100%
October	6.409	0.66	2.962	0	1.054	1.434	3.539	2.222	0	18.28	100%
Novembre	4.5775	1.078	3.7645	0	3.495	2.5565	0.8085	2.56	0	18.84	100%
Décembre	7.8745	2.191	6.17	0	4.6545	4.884	2.5855	5.527	0.7455	36.01	97.93%
<b>TOTAL</b>	<b>40.774</b>	<b>10.115</b>	<b>13.162</b>	<b>0</b>	<b>7.003</b>	<b>9.56</b>	<b>11.554</b>	<b>13.2505</b>	<b>0.5515</b>	<b>105.97</b>	<b>99.48%</b>

# APPENDIX J: ZERO CARBON

## ZC3

**Table 1:** Residents' knowledge on Zibi Community Utility ZibiStat mobile app.

How comfortable are you with using ZibiStat?	What would you like to clarify with the app and HVAC system?	How are you using ZibiStat to reduce your energy consumption? Check all that apply.
4	More info on the rating system.	I used the calendar to set times when I need less energy in my suite, What is ZCU?
4	Tips for optimizing.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
3	Would like to be able to control humidity	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
5		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite, I select YES when ZCU needs more energy and I am not home
1		
3		I am not using ZibiStat
4		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
4		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, Remotely lowering temperature.
5	Is there a way to manually change each units from heat to AC or vice versa rather than just having an on or off function?	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
1		I am not using ZibiStat
3		I am not using ZibiStat, My spouse is taking care of all the energy issues!
3	Overview of settings (online video session); should be able to change username password	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
3		I am not using ZibiStat
2	See my previous answer about not being responsive.	I used the calendar to set times when I need less energy in my suite, I am not aware of the YES option above.
5		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
4		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I select YES when ZCU needs more energy and I am not home
5	More program options	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
5	Works great. No questions.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite, I don't think ZCU has ever asked us to select YES, have they? I'm in. So far so good.

▼ Chart continued on next page

How comfortable are you with using ZibiStat?

What would you like to clarify with the app and HVAC system?

How are you using ZibiStat to reduce your energy consumption? Check all that apply.

3	I have no idea how much energy I'm using or saving or even how much it costs ! We are blindly relying on the information provided by ZibiStat and have no way of verifying it. It would go a long way in showing transparency if the costs, and details were provided. It also doesn't help that there have been many mistakes with the billing over the past year...	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
4		
4	How to schedule	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
2	How we can lower energy bill	
2		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
1	Did not even know this existed. Better information distributed on this app.	I am not using ZibiStat
5	Nothing	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
5	Keep monthly stats on usage	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
3		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
4		
5	I can't regulate my temperature. I would like my unit warmer.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
5		I used the calendar to set times when I need less energy in my suite
5		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite, I select YES when ZCU needs more energy and I am not home
1	No instructions received on any of the workings	I am not using ZibiStat
2	Didn't know there was such a thing	I am not using ZibiStat
4		I used the calendar to set times when I need less energy in my suite
5	Could use better schedule management.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
5		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
5	What is the comparator for 'poor' readings – neighbours? previous year? previous month? pre-set expected usage?	I set my thermostat to lower energy consumption levels when I'm at work or on vacation
2	Didn't know there was such a thing	I am not using ZibiStat
5		I used the calendar to set times when I need less energy in my suite
4	we've had no issues after an initial re-set required on your end.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite, not sure what ZCU is...?
3	Sometimes the schedule works and sometimes it doesn't. I am not sure why.	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite

▼ Chart continued on next page

How comfortable are you with using ZibiStat?

What would you like to clarify with the app and HVAC system?

How are you using ZibiStat to reduce your energy consumption? Check all that apply.

2	ZibiStat does not work properly or anyhow, I cant meet my set temperatures. I was saving 3x more energy before than with using Zibi stat program... or perhaps I require coaching (which I would like to have!)	I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
5	The app doesn't follow the schedule anymore, so I just set all the options to 21 degrees. Put it on Eco when we leave for days.	Don't mind having it cooler at night but it wasn't following the schedule half the time so its set at 21 no matter what and on Eco when gone for the weekend.
4		I set my thermostat to lower energy consumption levels when I'm at work or on vacation
1	In-person orientation	I am not using ZibiStat
5		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
3		I am not using ZibiStat
1		I am not using ZibiStat
3	The app freezes a lot.	I used the calendar to set times when I need less energy in my suite
5	Allow it to be connected to Google home	Typically set it and leave it
2		I set my thermostat to lower energy consumption levels when I'm at work or on vacation, I used the calendar to set times when I need less energy in my suite
1	I have been asking for a change of the thermostat since the very beginning	I am not using ZibiStat
1	The thermostat	I am not using ZibiStat
3	Have efficiency along with true comfort (it's cold when the outside temperature drops quickly, but despite our efforts to reduce, I fear that very large windows will make the efficiency below average, even if we try to reduce the level of heat (winter), and cooling (summer)	I set my thermostat to reduce energy use when I am at work or on vacation, I used the calendar to set the times I need less energy in my suite
4	The statistics section I don't trust very much. I'd rather have a graph by the hour	I set my thermostat to reduce energy consumption when I am at work or on vacation, I used the calendar to set the times I need less energy in my suite, I don't know what the yes for ZCU is. Also it would be nice if we could make it communicate with smart homes so we could improve the operation of our systems without having to do it manually
4	I have never been questioned when ZCU requires more energy	I used the calendar to define the hours when I need less energy in my suite
2	I would like to understand it better to use it optimally	I am not using ZibiStat

### ZC3

**Table 1:** Total reused and hauled rock amount site-wide.

Contaminated soil excavated and landfilled at GFL	Generated excess soil and rock from the zipline and DT excavations. Rock piles that were generated onsite have been stockpiled and crushed.
9,940 MT	4,000 MT
Soil disposal at the GFL Moose Creek waste disposal facility – 68.5km away from Zibi site. The original 13,924 MT of contaminated stockpiles were sifted and combed through prior to disposal in order to remove excess boulders that could later be reused onsite as fill, saving 3,984 MT from being hauled to landfill and be reused on site. Some rock piles that had been generated were deemed unacceptable by EXP to be used as backfill.	Upon completion of the soil disposal several sotckpiles of rock remained. These rock stockpiles were generated from the excavation of bedrock and the sifting/combing of the excess soil piles. EXP reviewed and approved the stockpiles of rock for resuse as clean backfill on Zibi lands. The rock was crushed onsite and stockpiled on the eastern side of Zibi lands.



2020 ONE PLANET  
APPENDIX

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