

MUNICIPALITY OF CENTRAL MANITOULIN
Climate Action Committee
MINUTES

March 24, 2021 4:00 p.m.

Via Zoom

PRESENT: Cori Davy (Chair), Mayor R. Stephens, Councillor Scott, Councillor Tribinevicius, Mike Wilton, Katie Gilchrist, Kim Neale, Climate Change Coordinator (CCC)

REGRETS: Lori Thompson, Manitoulin Expositor

Opening of Meeting

Motion by R. Stephens, K. Gilchrist

The meeting was called to order at 4:06pm by the Chair.....carried

Approval of Agenda

Motion by D. Scott , A. Tribinevicius,carried

That the agenda for the March 24, 2021, meeting be accepted....carried

Delegations

None.

Disclosure of Pecuniary Interest

None.

Adoption of Minutes

Motion by M. Wilton, R. Stephenscarried

That the minutes of February 24, 2021 meeting be accepted.

Council Update Report – Councillor Scott:

Recommendations from the February 24, 2021 CAC meeting to Property Committee and Council were passed unanimously. Reminder of the content of these motions:

- 1) MEP/FCM grant extension documentation signed and submitted extending CEEP project funding until at least the end of May or until grant funds have been exhausted
 - CCC still waiting for confirmation from FCM on when remaining funds will be exhausted, estimate July 2021
 - CAC still striving to release draft CEEP by end of April so it can potentially be approved at Council by end of May
 - FCM/MEP funds can still be distributed once CEEP is approved as long as work of the CCC continues to focus on the implementation of the CEEP – for example, grant writing.
- 2) Continuation of partnership with Billings:
 - Central and Billings have both passed the same motion unanimously at both Councils
 - Central has set a 2021 budget for continuing to fund climate change activities – Billings is waiting to analyze survey results on funding
 - More than 50% of survey respondents on the Billings survey agree that the township should increase taxes by 1% or more to help fund climate change mitigation and adaptation efforts
 - Central Manitoulin did not include a tax increase question on the survey because Council had already approved to continue funding the work post CEEP project prior to the release of the survey

Old Business

- a) **FCM/MEP Project Update** - Review deliverable dates and adjust schedule

- Now that extensions have been approved – March 31 (7 days from now) is no longer the deadline
- As discussed at previous CAC meetings, if extension is approved by Council, the target date for release of the draft CEEP is end of April
- Based on discussions today regarding synthesis of survey results and Action/Implementation chart – CAC may want to consider additional meetings in the month of April are needed
- Will determine at the end of meeting if this is required

New Business

a) Climate Change Engagement Survey Results

- i. Facilitated discussion to create a 1-page summary for Council on key findings from the survey that are applicable for the CEEP
 - See attached power point that the CCC used to facilitate discussion about survey results
 - See attached survey results summary
- ii. Composter Prize Draw – Date – Time? Video taping to post on Facebook
 - Committee agrees that doing that composter draw a little later in the month of April would be good, release survey results officially to the public at the same time
 - Earth Day – April 22 was the consensus of the group, CCC will work with Marcus to set up video taping, social media and website updates between now and April 22
 - Billings CAC would like one winner to be from Central and one to be from Billings

b) Review of Action/Implementation section of draft CEEP

- i. Open for comment and feedback from Municipal Staff, Council and CAC committee

General Comments from CAC on chart:

- Conveys actions clearly but it may be too complicated – CCC advised this chart is intended as a detailed appendix providing Central a procedural map to achieve a 50% reduction in GHG emissions
- The body of the draft CEEP will need to be more simplified than the chart
- CAC directs CCC to prepare proposal for property committee to review at April 12 meeting with 50% GHG emissions reduction target for municipal buildings and with a simplified action/implementation chart
- CAC directs CCC to present how if we approach current projects slated to be completed in the next 5yrs can help the municipality reach a 50% GHG emission target using the methodology used in the action/implementation chart:
 - Mindemoya Arena – DER and/or NZ
 - Mindemoya Community Hall – DER and/or NZ
 - Consolidation/reduction in building assets
- CAC direct CCC to outline more details on available for funding for property committee to review
- CAC directs CCC to work with other municipal staff to integrate GHG emission strategy with Asset Management Planning (AMP) approach

Correspondence

None.

Next Meeting: Wednesday April 28th – CCC strive to send out draft CEEP documents for committee to review by Wednesday April 21st – draft CEEP will be the only thing on next months agenda

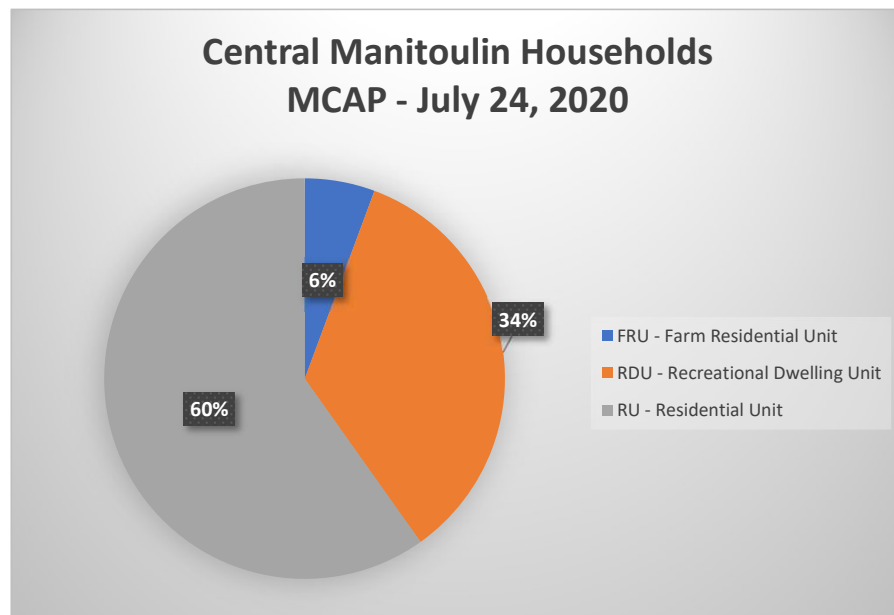
Adjournment: The meeting was adjourned at 5:00pm on a motion by K. Gilchrist

CLIMATE ENGAGEMENT SURVEY

Facilitated Discussion

The Municipality of Central Manitoulin

Population Assumptions Municipality of Central Manitoulin



Households

Residential 1064

Recreational 613

Farm 101

Population – MPAC July 24, 2020

1614

Consensus on Population & Acknowledgement of Error

What percentage of the population did we actually survey?

How will we apply population assumptions throughout the report?

Once we settle on a population – acknowledge and cite the errors to ensure transparency and continuity for future measurements – what are the key errors?

KEY FINDINGS FROM THE SURVEY – Notes

CEEP SUB-SECTION	FOR ACTION	FOR FURTHER STUDY
GHG Targets	50% by 2030? Doable? Yes	Outline implementation strategy
Perceptions about Climate Change Climate Emergency	All relative Locally – remote Resilient – carbon sequestration We still have hope Saying “No” to a climate emergency doesn’t mean that people don’t think it is important	Nothing at this time Not declaring an emergency saves administrative time at the municipality for now
Home, Buildings and You		
Transportation and You		
Waste Reduction and You		
Climate Change		

Feedback & Evaluation

Did you find the process for creating this survey was transparent?

Do you think the results from the survey will help inform the decision-making process for climate action at the municipality?

Do you think this survey will help the Climate Action Committee make reasonable, achievable and ambitious GHG reduction recommendations to Council?

Is the Climate Action Committee now ready to make a GHG reduction target recommendation to Council?

Opportunities for Climate Action:

Guiding Principle ESG Score		Timeframe		Responsibility
<p>We will be fiscally, environmentally, and socially, responsible.</p> <p>We will be forward thinking and innovative.</p> <p>We will treat all people respectfully, with equality and fairness.</p> <p>Governance: We will be accountable at all times.</p> <p>We will support our local economy.</p>	Scale 1-10	On-Going Organizational Consideration	0-3yrs Pending project opportunities	Municipal Staff Identify team members at each municipality who will share responsibility. Council Committees
		Near Term	12-24months	Elected Officials
		Mid-Terms	3-5yrs	Community All tax payers in the district
		Long-term	5-10yrs	Collaboration between Municipalities
		2050 Goal	30yrs	Collaboration between Municipality and third-party stakeholders: Non-Profit, For- Profit, Cooperative, consultant/engineer

Municipal Buildings, Facilities and Property:

Continue to pursue rational, cost-effective, and efficient use of municipal property, buildings, and facilities, to maximize the availability of public space, in the context of the results of the structural condition assessment report.

	Climate Action Opportunity	Action Type	Associated Documents	Cost	Funding	ESG Score	Timeline	Responsibility
1. Buildings and Facilities								
1.1	Energy Efficiency – minor retrofitting asset Consider building envelope upgrades, building automation and lighting upgrades as part of all municipal building renewal projects.	Policy Planning Administrative Capital Maintenance Energy Management	Asset Management Plan (AMP) Conservation and Demand Management Plan (CDM) Procurement Sustainability (ISO 50001)	\$\$\$	Yes Federal – NRCan – 25/75 split per building See Implementation proposal XX			
1.2	Energy Efficiency Incorporate building envelope, automation and lighting upgrade standards for all municipal buildings/facilities renewal projects in a municipal by-law	Policy – new Corporate Sustainability Policy in accordance with ISO 50001 and operational procedures that guide organizational decision making and ESG governance.	AMP CDM Procurement Planning Administrative Sustainability (ISO 50001)	Time – from municipal staff, consultants, elected officials, Council committees				

	Climate Action Opportunity	Action Type	Associated Documents	Cost	Funding	ESG Score	Timeline	Responsibility
1.3	Energy Efficiency Conduct utility consumption audits in municipal facilities, beginning with buildings with the highest potential for energy savings and greatest need based on conditional assessment in the AMP.	Policy Planning Administrative Capital Maintenance Energy Management	AMP CDM Procurement Sustainability (ISO 50001)					
1.4	Energy Efficiency If an asset has a conditional assessment of poor or very poor – automatically trigger a feasibility study priority list. Feasibility scope should consider financial implications for deep retrofits and accessibility standard upgrades to maintain service levels compared to repurposing and market conditions for consolidation of asset.	Policy Planning Administrative Capital Maintenance Energy Management	AMP CDM Procurement Sustainability (ISO 50001)					

	Climate Action Opportunity	Action Type	Associated Documents	Cost	Funding	ESG Score	Timeline	Responsibility
1.5	Energy & Water Efficiency Install Smart Water Metering to major equipment at facilities and parks (i.e. ice rinks) to better understand water consumption trends and ensure that equipment is operating at optimal efficiency.	Policy Planning Administrative Capital Maintenance Energy Management	AMP CDM Procurement Sustainability (ISO 50001)					
1.6	Energy Source Update AMP to include engineering life remaining for all oil, propane and high carbon energy sources so transition to low carbon energy sources can be financially assessed when high carbon sources are scheduled for upgrade.	Policy Planning Administrative Capital Maintenance Energy management	AMP CDM Procurement Sustainability (ISO 50001)	\$\$\$\$				

Implementation Priorities

We can't do everything tomorrow – staff resources, time and money are not on our side.

We CAN – however, strategically plan out the next 24 months and set ambitious short-term goals and cost projections for our 2021-22 and 2022-23 budgets knowing that several funding opportunities will be coming available in fall 2021 or have continuous proposal acceptance guidelines.

The following drafts represent examples projects that the municipality can use to immediately implement priority climate actions following the approval of the CEEP at Council.

Draft Implementation Priority Proposal		
CEEP Actions for Council - Municipal Staff consideration - implementation in the next 0-24mths		
Municipality: Central Manitoulin		Baseline Asset Performance
CEEP Action 1	Energy Efficiency Consider building envelope upgrades, building automation and lighting upgrades as part of all municipal building renewal projects.	Electricity Concrete Block/Steel Trusses/Brick Veneer and Siding
Municipal Asset Details: Mindemoya Community Centre Roof Replacement	Current roof construction: Shingles Natural Ventilation/Mechanical? Check w/ GS Moisture, Freeze Thaw performance?	Municipal Service Multi-purpose recreational facility Designated Emergency Response Centre for the Municipality of Central Manitoulin
Funding Availability	NRCan	
<p>Step 1: Financial assistance to help implement ISO 50001 To help implement ISO 50001 in commercial and institutional buildings in 2021-22, Natural Resources Canada (NRCan) provides financial assistance up to 75% of eligible costs for not-for-profit organizations to a maximum of \$40,000 per facility.</p>		

The maximum contribution to an organization or group of affiliates is \$200,000 per fiscal year (April 1, 2021 to March 31, 2022). For a multi-building project proposal, the parent organization is responsible for allocating NRCan’s proposed contribution among qualifying buildings up to the maximum allowable combined funding limit.

This financial assistance can be combined with other funding sources. When it is, NRCan may adjust its level of funding.

Step 2: Based on Condition Assessment consider deep retrofits

With a deep retrofit, you undertake an extensive overhaul of your building’s systems that can save you up to 60 percent in your energy costs.

Deep retrofits can be disruptive to your building’s occupants, so it’s best to time them with tenant turnover or other major changes to your occupancy.

Measures may include:

- Significantly reconfiguring the interior
- Replacing the roof
- Adding or rearranging windows for increased daylight
- Replacing the heating, ventilation and air-conditioning system with a renewable technology like a ground-source heat pump

Draft Implementation Proposal		
CEEP Actions for Council - Municipal Staff consideration - implementation in the next 12-24mths		
Municipality: Township of Billings		Baseline Asset Performance
CEEP Action 3.1 and 3.2	Develop a Natural Asset Management Plan Evaluate the impact of Engineered Assets on natural environment	2018 GHG Inventory provided a carbon sequestration estimate of:
Municipal Asset Details	Current Status	Municipal Service
All-natural assets in the district can be valued from a service perspective.	While the Water Management Plan, Conservation and Demand	Clean drinking water Carbon Sequestration

<p>To start – property owned and operated by the municipality can be valued.</p>	<p>Management Plan and Natural Heritage System (managed by Manitoulin Property Board) are the start to the development of a Natural Asset Management Plan – they do not integrate natural asset values into the Strategic Asset Management Plan.</p> <p>See below on timeframe for compliance with O.Reg 588/17.</p>	<p>Flood Mitigation Nutrient absorption and pollution prevention</p> <p>If a Natural Asset Management Plan is created and managed it can generate NEW revenue for the municipality by selling carbon credits. See example below on carbon credit marketplace.</p>
<p>Funding Availability</p>	<p>Federation of Canadian Municipalities (FCM): Municipal Asset Management Program (MAMP) Green Municipal Fund (GMF), Infrastructure Canada – Investing in the Canada Green Stream, Ontario, Ministry of Infrastructure</p>	
<p>What do current Ontario regulations say about natural asset management?</p> <p>Ontario is the first province in Canada to regulate asset management planning at the municipal level.</p> <p>To help municipalities navigate and implement O. Reg. 588/17 as it relates to integrating natural assets and natural asset management, MNAI has developed a report that explains the strategic opportunities and advantages of adopting natural asset management, how to develop the strategy, a 13-step framework that municipalities can easily follow, and finally case studies as examples.</p> <p>In addition to their strategic asset management policy (which the Township of Billings is currently working on), the regulation also requires all 444 Ontario municipalities to prepare an asset management plan for core infrastructure assets by July 1, 2021, and in respect of all other municipal infrastructure assets by July 1, 2023.</p> <p>For more detailed information about the Township of Billings compliance requirements Natural Asset Management by 2023 – please review: Advancing Municipal Natural Asset Management through Asset Management Planning in Ontario https://mnai.ca/media/2020/01/MNAI_MNAPOntario.pdf</p> <p>12-24 Month Planning Horizon – Implementation Strategy:</p>		

First thing is first – the Township of Billings must complete and update the Asset Management Plan (AMP). This project is currently underway with MAMP funding from FCM.

The AMP should provide a specific plan for integrating Natural Asset Valuations in the AMP by 2023.

While the AMP is being finalized – Municipal Staff/Council can begin to consider an implementation strategy to meet compliance requirements by 2023:

- Committee and Council oversight on Natural Asset Management Planning priorities – what committee(s) and staff will be responsible for oversight?
- Submit an Expression of Interest to the Municipal Natural Asset Initiative – if selected, the cost to the municipality would be \$2,500 to begin developing a Natural Asset Inventory
- Consider a Natural Asset Management training program for outdoor maintenance staff focusing on maintaining our natural spaces and helping to develop an organizational culture of conservation and natural asset management.
- After training, assign outdoor maintenance student staff (1/2 day per week) to collect data, monitor and help maintain natural areas of concern (eg. Create a map identifying milkweeds, invasive species or species at risk on municipal property)
- Consider a pilot project partnership with Manitoulin Streams to begin a source water and aquifer monitoring program – apply for grant funding – GMF.
- Consider a project that brings together Manitoulin Planning Board (Natural Heritage System data) and updates contouring data for the island so that each district on Manitoulin Island can begin to develop an integrated flood management plan. Once an integrated flood management plan is created, municipalities can use this information to update emergency preparedness policies and procedures. Funding is available for this through the GMF.
- Consider rolling out an education program for Township of Billings residents so they can begin to learn about natural asset management planning process.

ETHELO

Central Manitoulin Carbon Budget



Introduction

From February 4 to February 28, 2021, the Municipality of Central Manitoulin used a carbon emission simulation exercise powered by Ethelo to gather public feedback in order to help evaluate which climate solutions should be implemented, to strategically respond to and mitigate climate change. The purpose of this program was to give residents a say in ensuring the solutions to be implemented are chosen in a fair, effective way, with proven community buy-in.

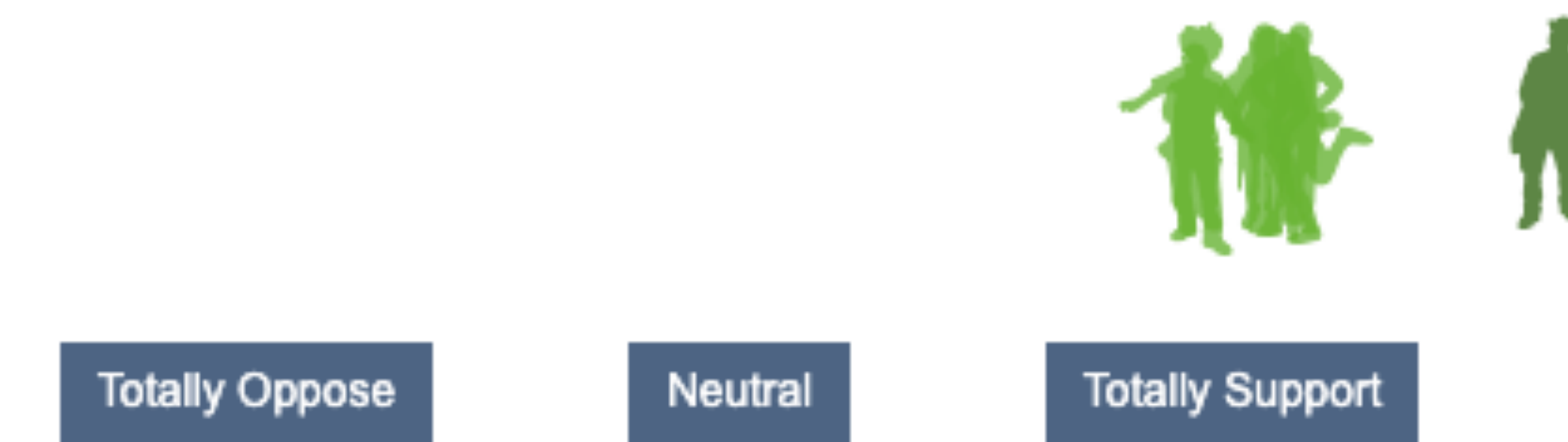
- The process educated residents on aspects of the Municipality's various proposed solutions, such as their associated difficulty level and the potential efficacy of implementing each solution.
- Ethelo used the results to generate a particular set of climate actions that are predicted to have the most community support.

Overview

Based on community members' input, Ethelo was able to identify key elements of an ambitious Climate Action Plan that meets the community's 50% reduction target and is widely supported by a broad cross section of community members.

11,036 tonnes of greenhouse gas could be reduced within this set of options.

Difficulty score of 2 out of 10. This plan is considered easy and achievable overall.



Extremely Popular. The distribution of support shows how happy people are with the plan overall.

245 community members
voted in the public engagement process

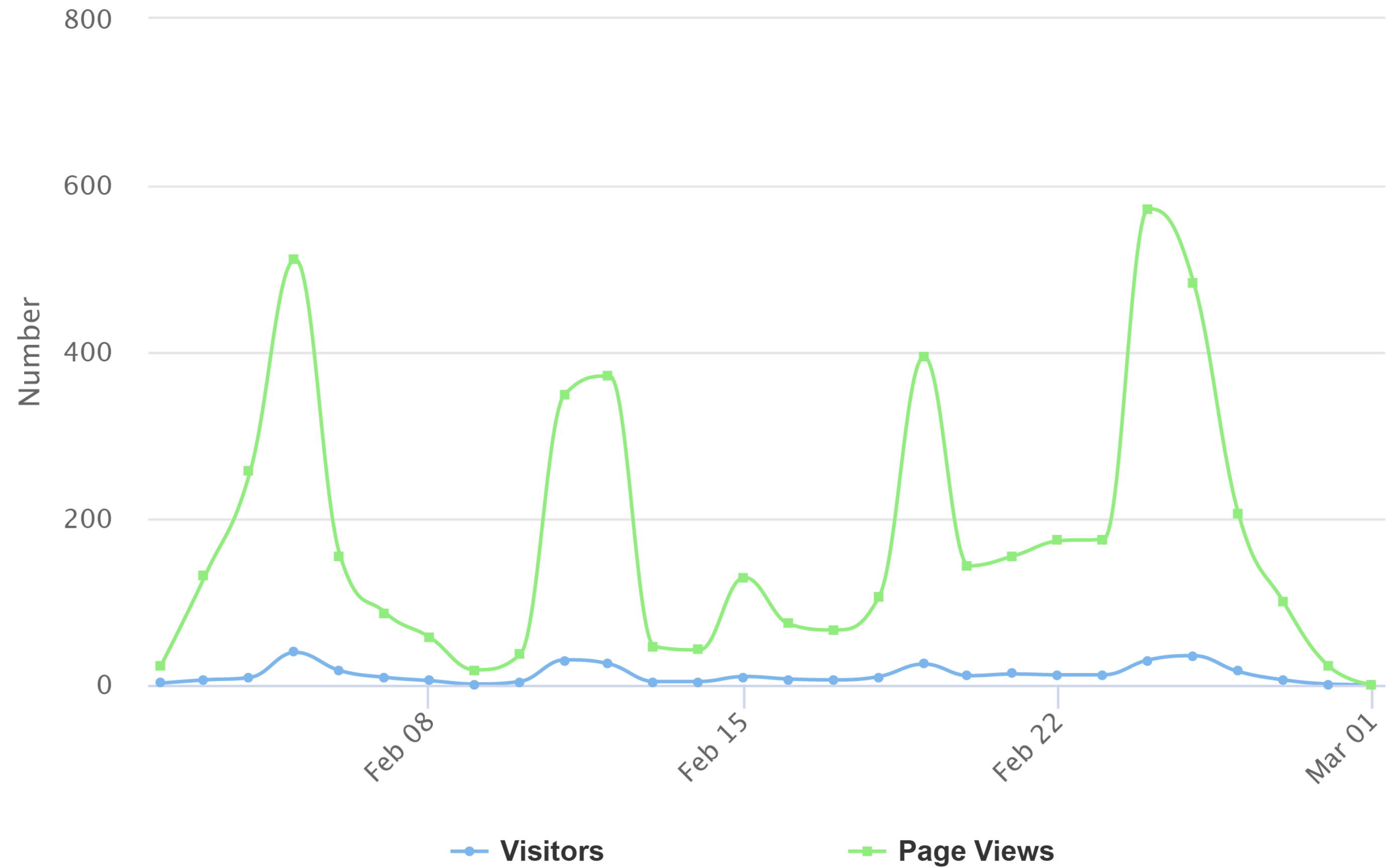
Overview

Support is the average values of the votes, where the value of a totally opposing vote is 0 and a totally supportive vote is 100.

Service Area	Support
Municipal Buildings	
50% = 77 tonnes GHG	74%
Energy Efficiency	
50% = 8,001 tonnes of GHGs	77%
Personal Vehicles	
25% = 2130 tonnes GHG	69%
Municipal Vehicles	
50% = 117 tonnes GHG	66%
Composting	
50% = 711 tonnes of GHGs	70%

Participation

- Number of visitors: **362**
- Number of respondents: **245**
- Page views: **4,882**
- Average time on platform: **19 minutes**



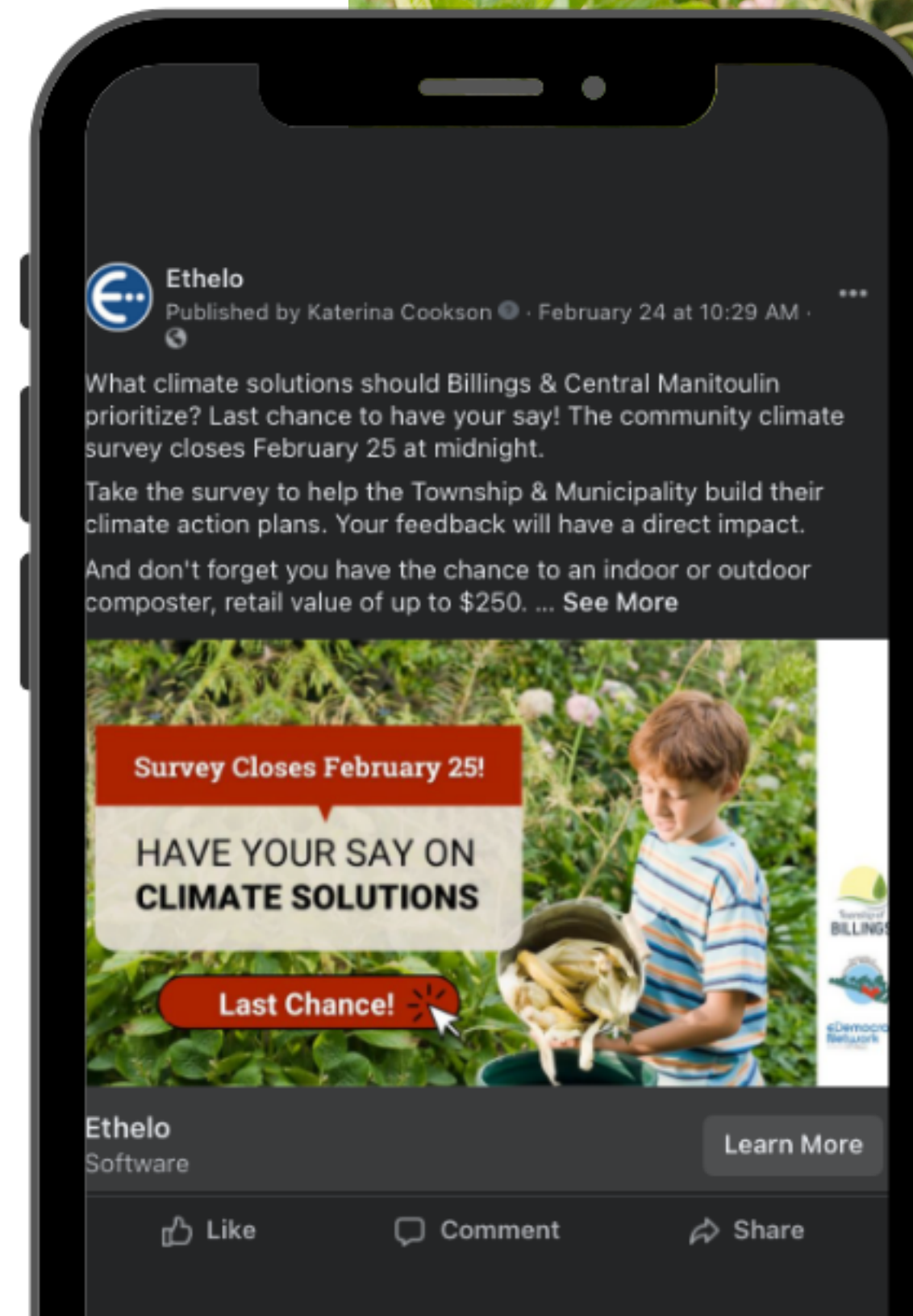
Participant Recruitment

In order to ensure a representative sample of the Municipality's population had the opportunity to participate, eDemocracy Solutions, (Ethelo's sister not-for-profit,) with support from municipal staff and community members, executed an outreach campaign which included:

- posters throughout the community
- municipality-wide mail-out
- phone campaign
- digital advertising campaign

HAVE YOUR SAY ON CLIMATE SOLUTIONS!
PUBLIC ENGAGEMENT NOW OPEN

ClimateSurvey.ca



... & Emissions Plan. Survey closes February 25th.
... complete this survey over the phone—call 705-905-4406.

... for taxpayers in the Municipality of Central Manitoulin



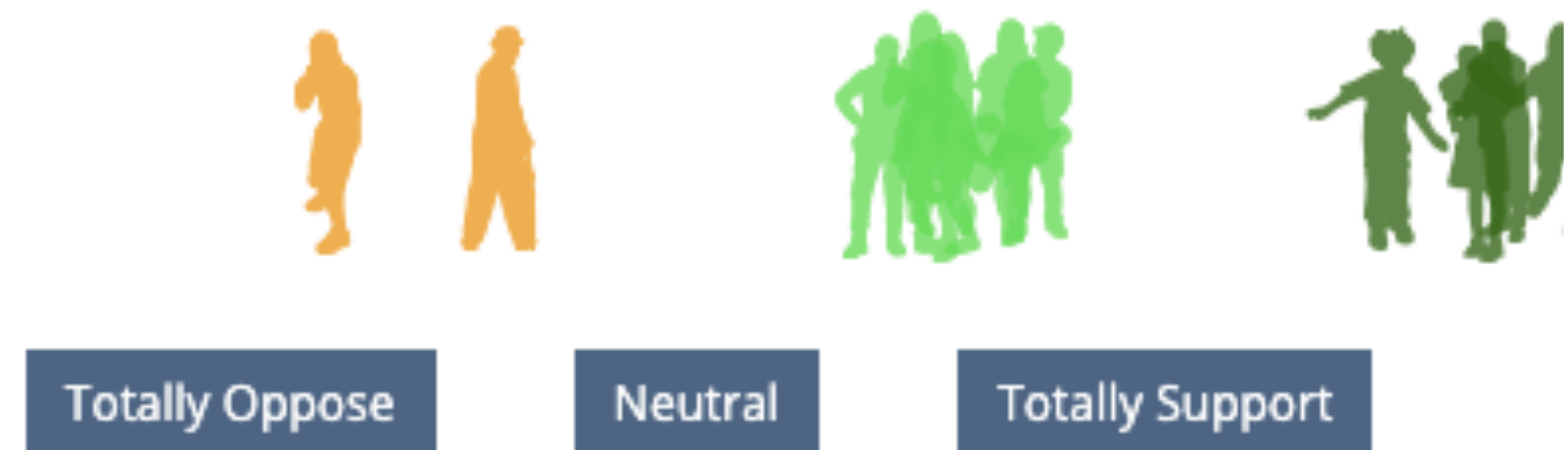


Voting Results

Municipal Buildings

What GHG reduction goal can and should the municipality achieve on municipal buildings in the next 5-10yrs?

50% = 77 tonnes GHG



Energy Efficiency

How large a reduction in GHG emissions, through energy retrofits of buildings do you think we – collectively as a community – should strive for over the next 10 years?

50% = 8,001 tonnes GHG



Totally Oppose



Neutral



Totally Support

Personal Vehicles

How many personal gas-powered vehicles do you think can or should be replaced with electric vehicles in the next 5-10 years?

25% = 2,130 tonnes GHG



Totally Oppose

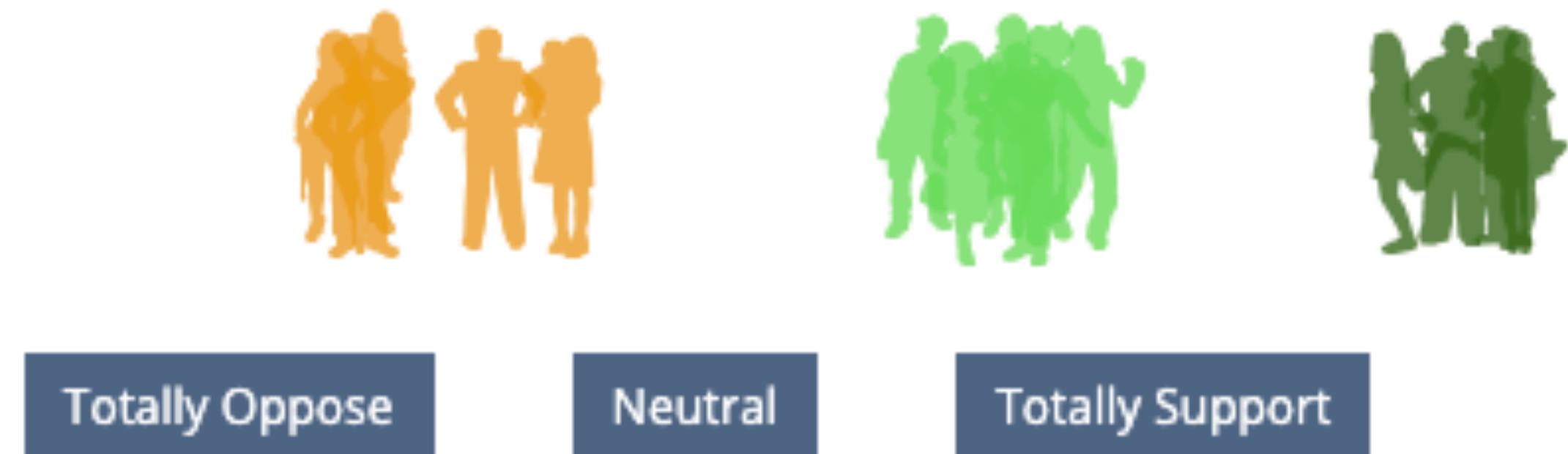
Neutral

Totally Support

Municipal Vehicles

How many municipal gas-powered vehicles do you think can or should be replaced with electric vehicles in the next 5-10 years?

50% = 117 tonnes GHG



Composting

Once the Municipality rolls out a composting program - what GHG emissions target can and should we strive to achieve?

50% = 711 tonnes GHG



Totally Oppose



Neutral



Totally Support



Conflict

Conflict*

Moderate Conflict

No Conflict



Composting

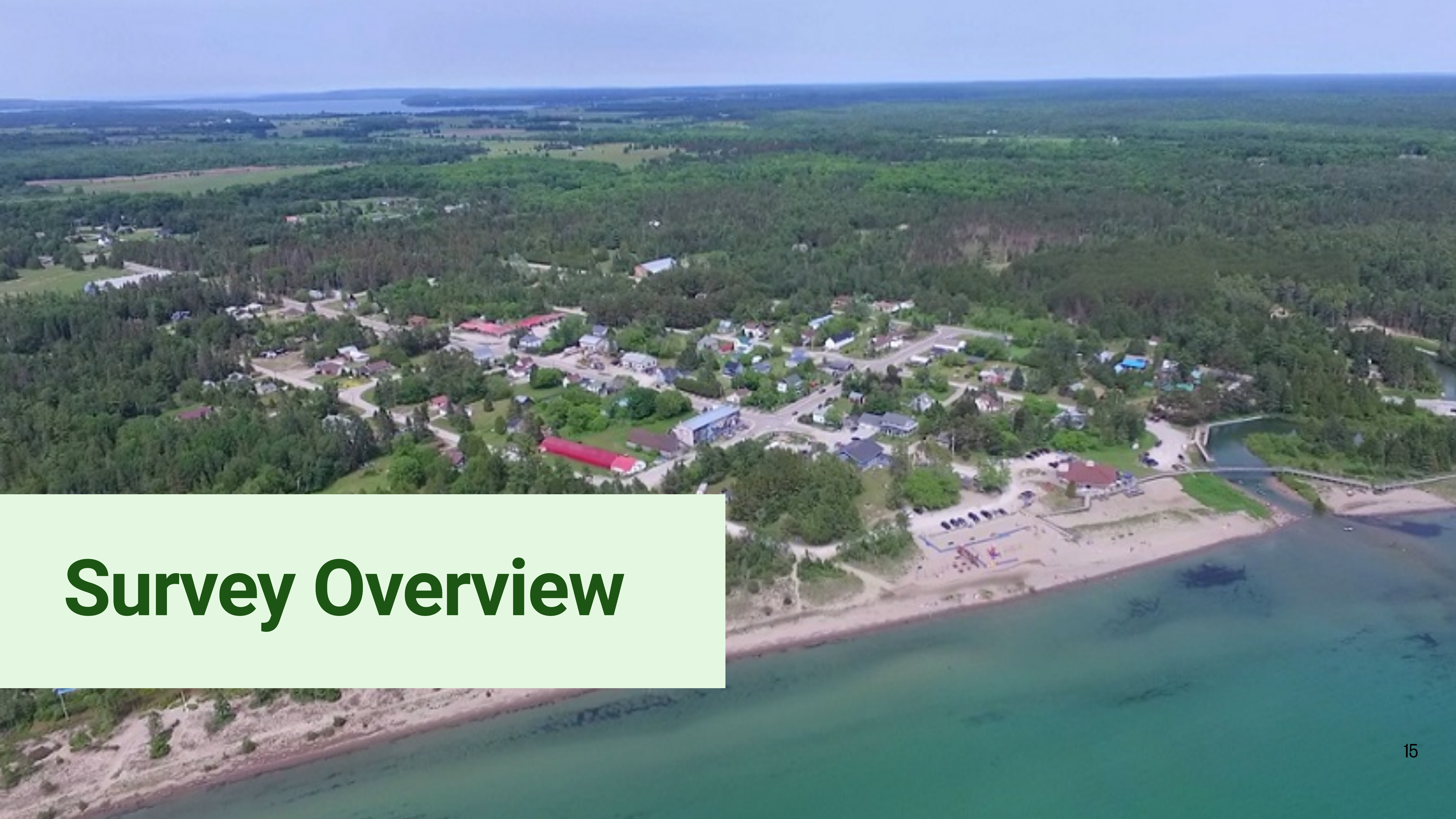
Municipal Vehicles

Energy Efficiency

Municipal Buildings

Personal Vehicles

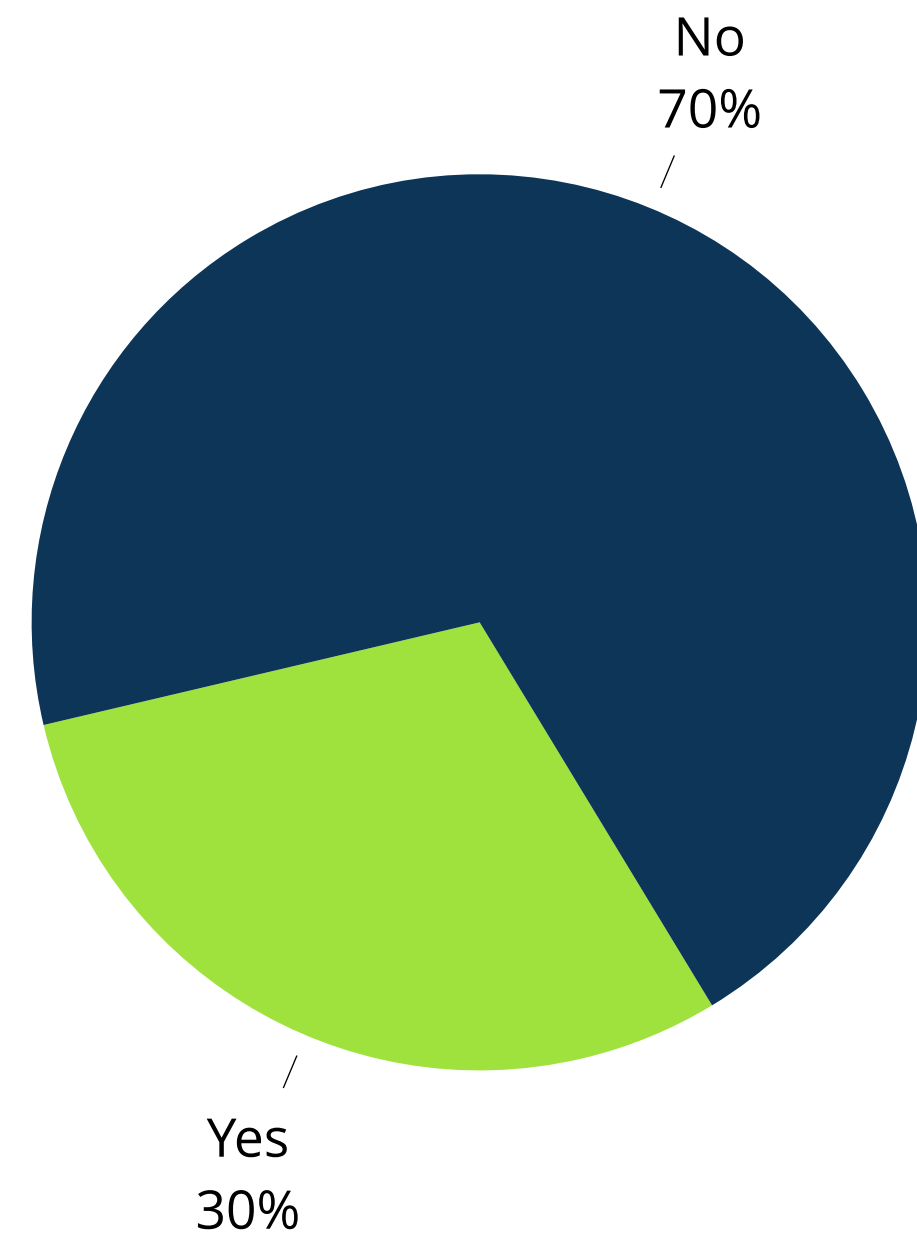
*Conflict is a measure of the level of disagreement in a group. Higher conflict scores represent internal resistance and risk of failure.



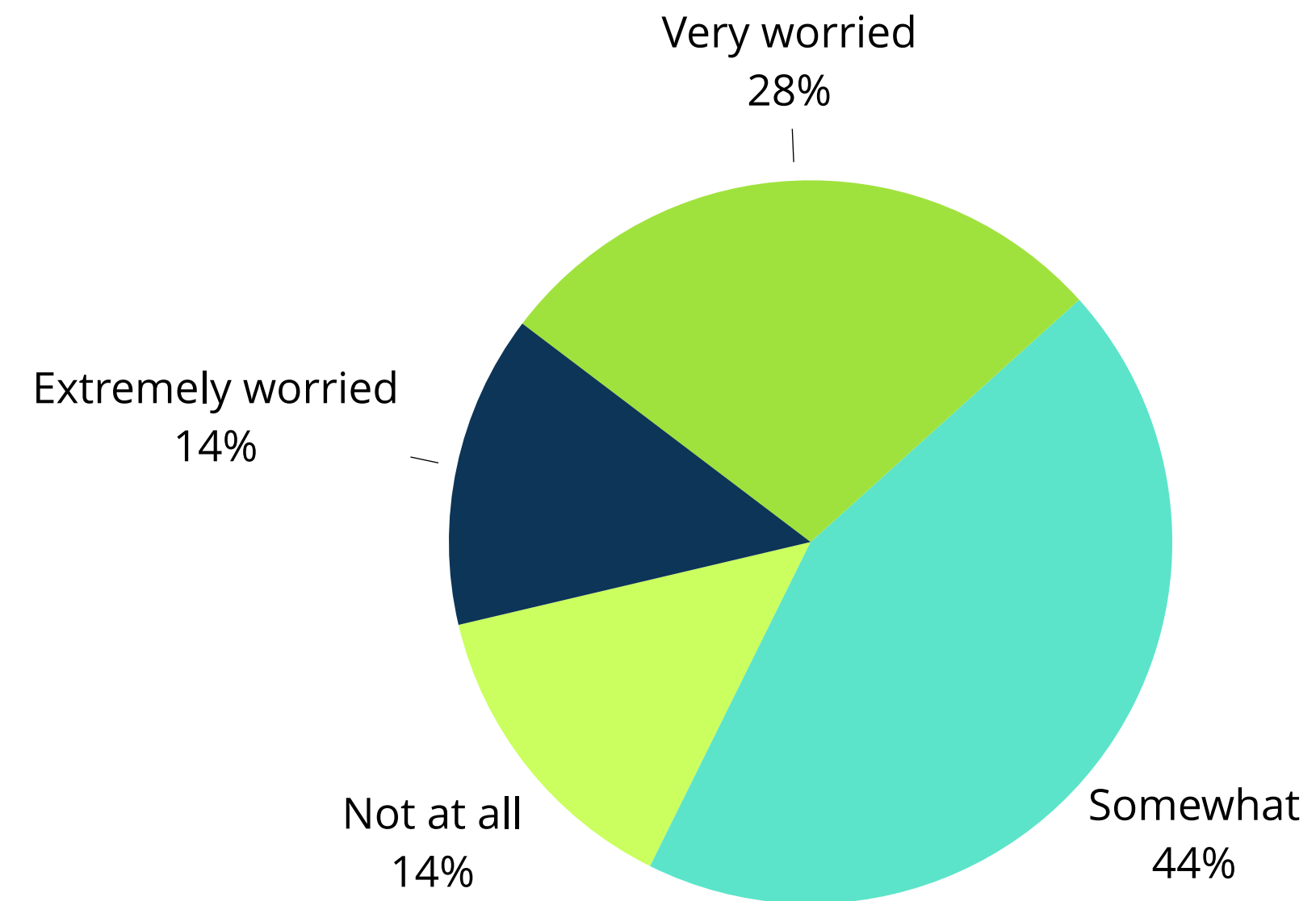
Survey Overview

Climate Change

Do you think the Municipality of Central Manitoulin should declare a climate emergency

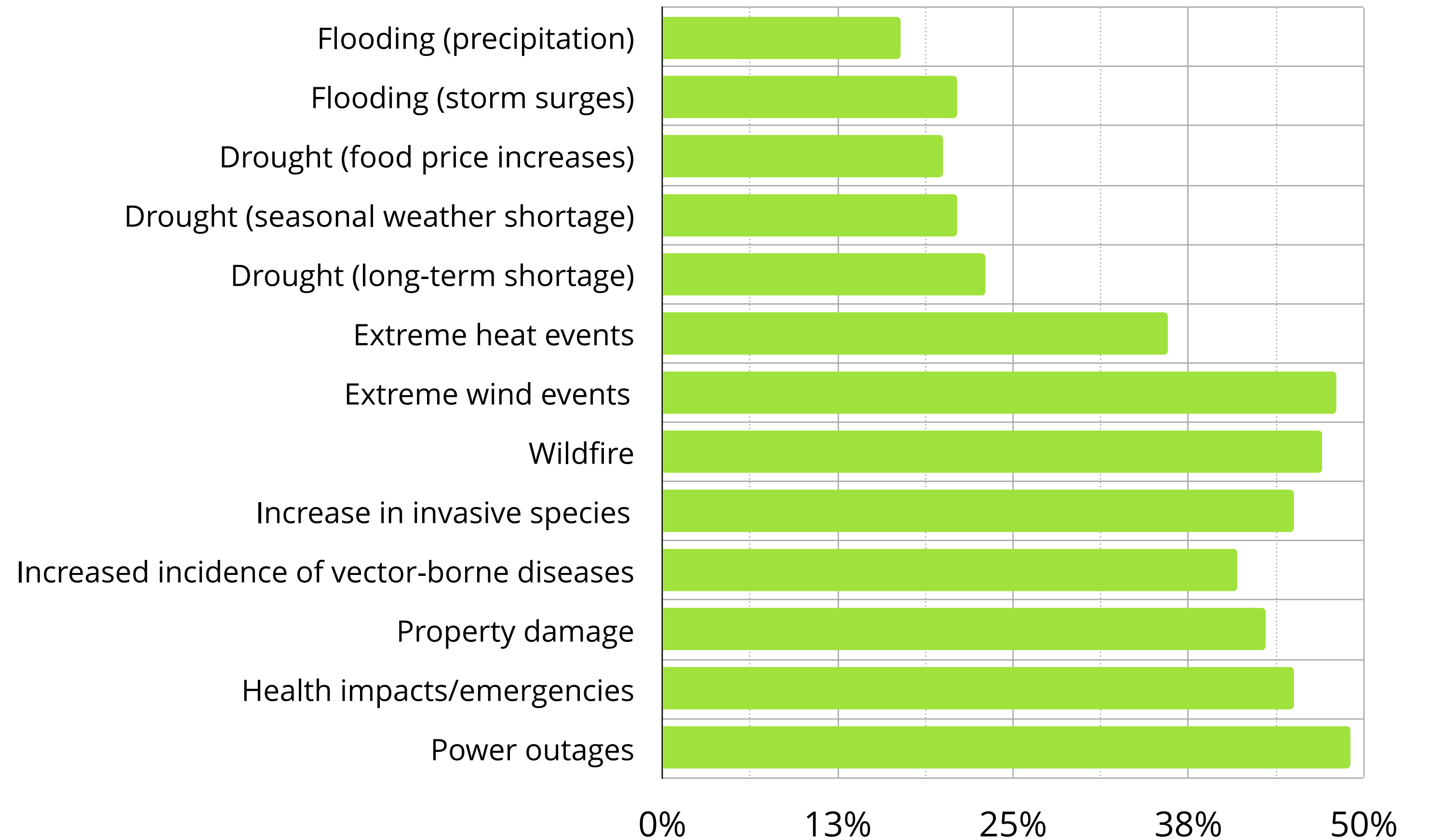


How worried are you about climate change?



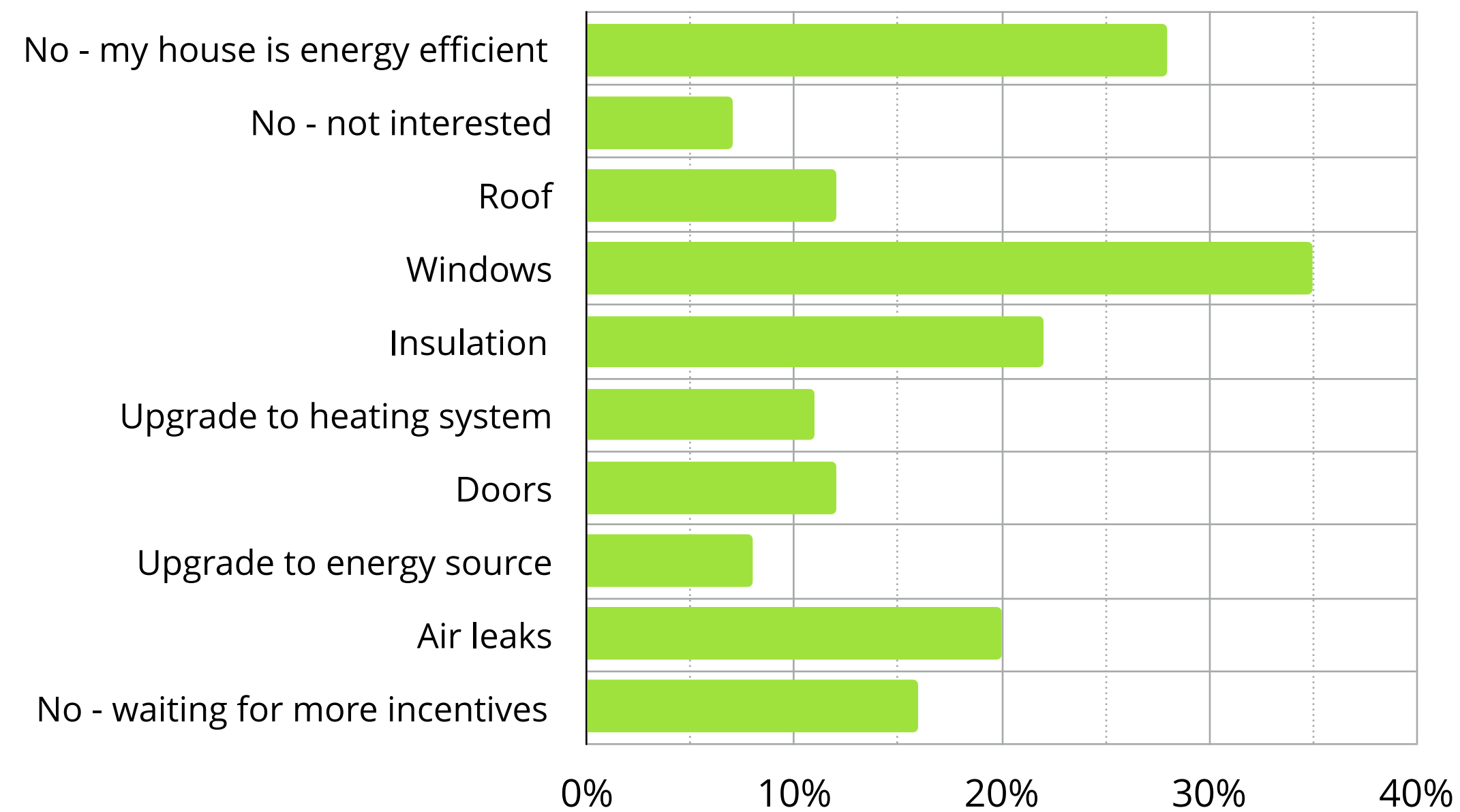
Climate Change

Considering the information provided above about the climate change hazards and impacts that will affect us on Manitoulin Island – Tell us the top 5 hazards and impacts that concern you most?

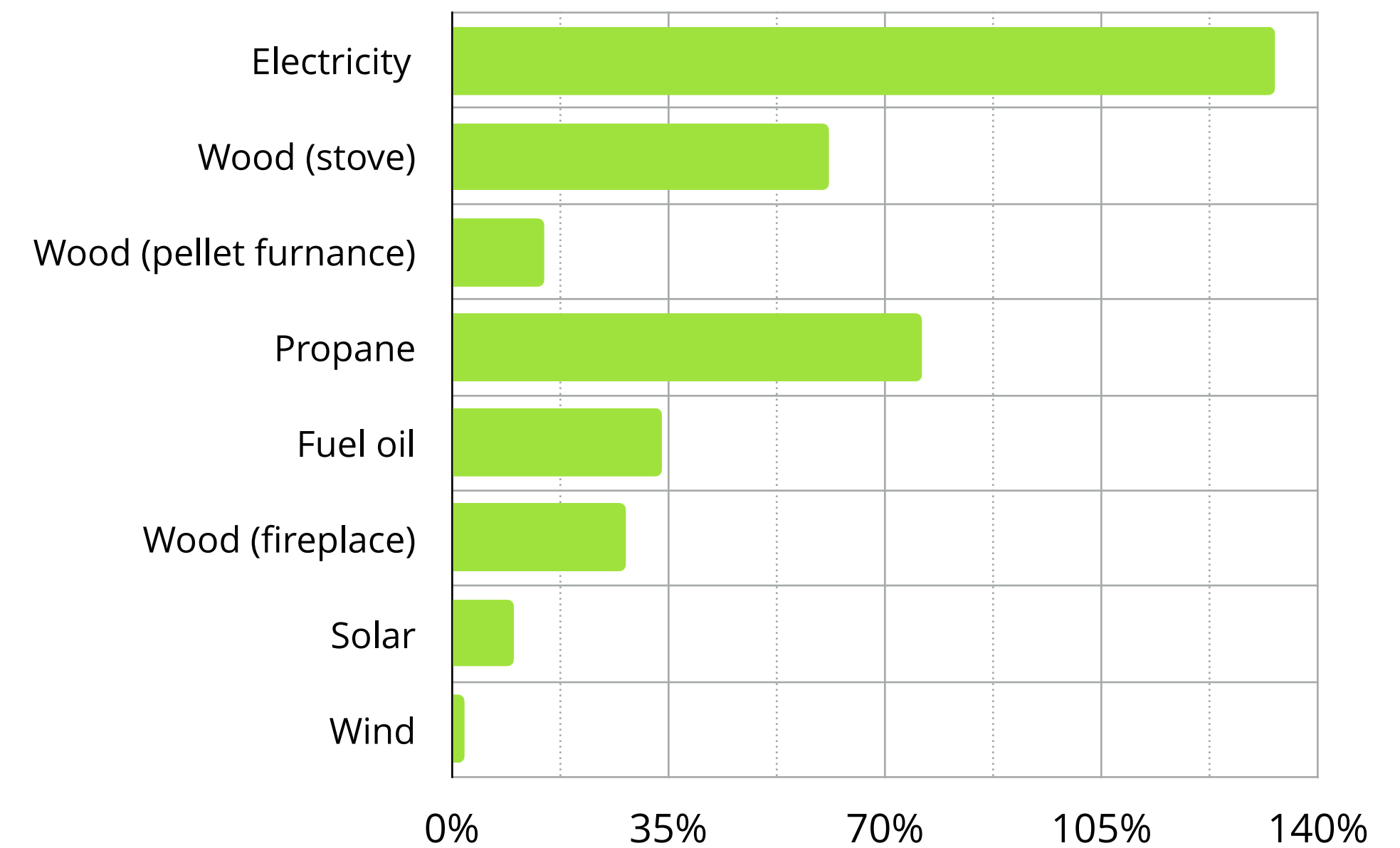


Homes, Buildings and You

In the next 5 years do you have any plans on making repairs or upgrades that will improve the energy efficiency of your home?

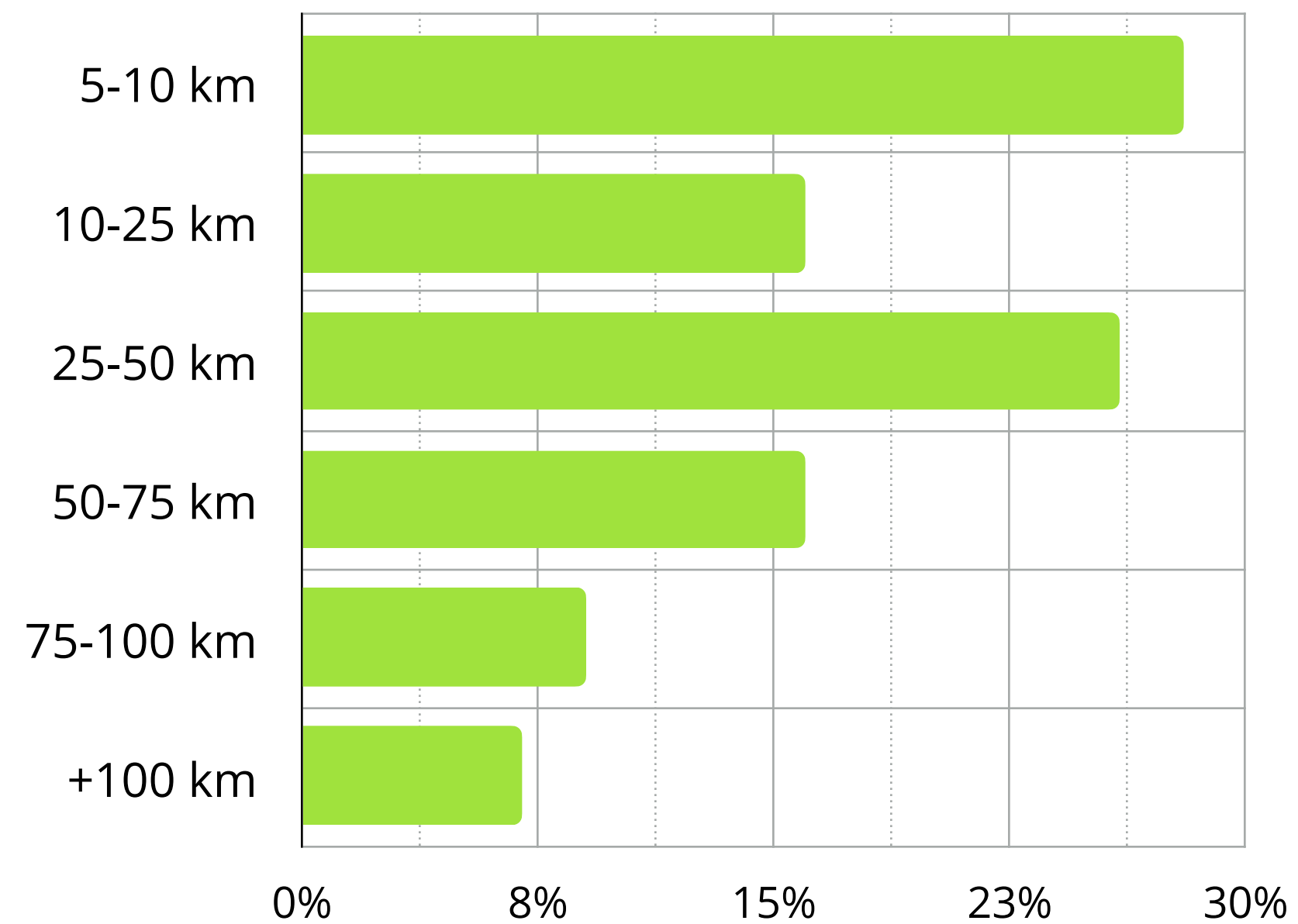


What type of energy source do you use to heat, cool, and power your home?

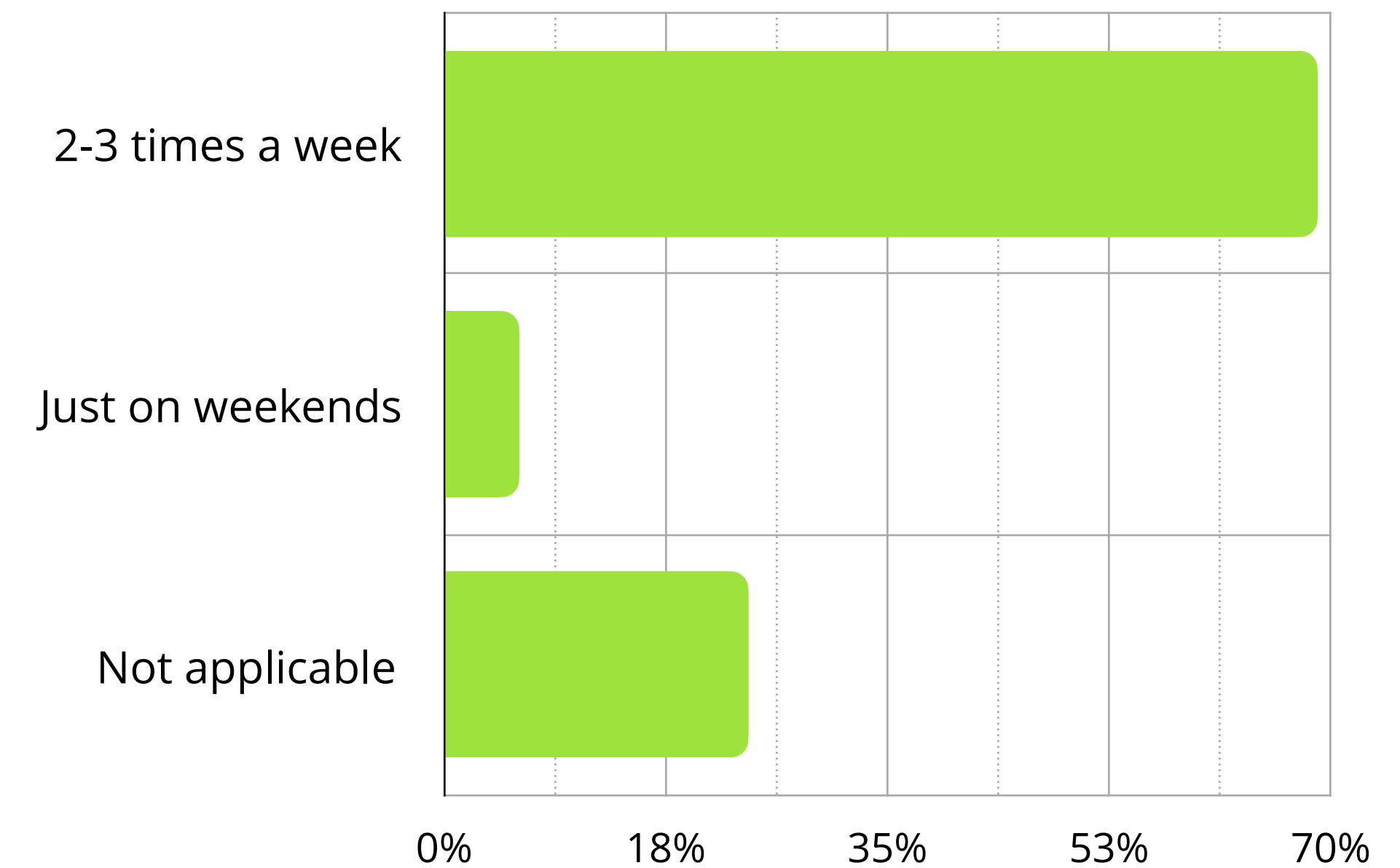


Transportation and You

If you are a regular commuter, how many kilometres is your round trip commute?

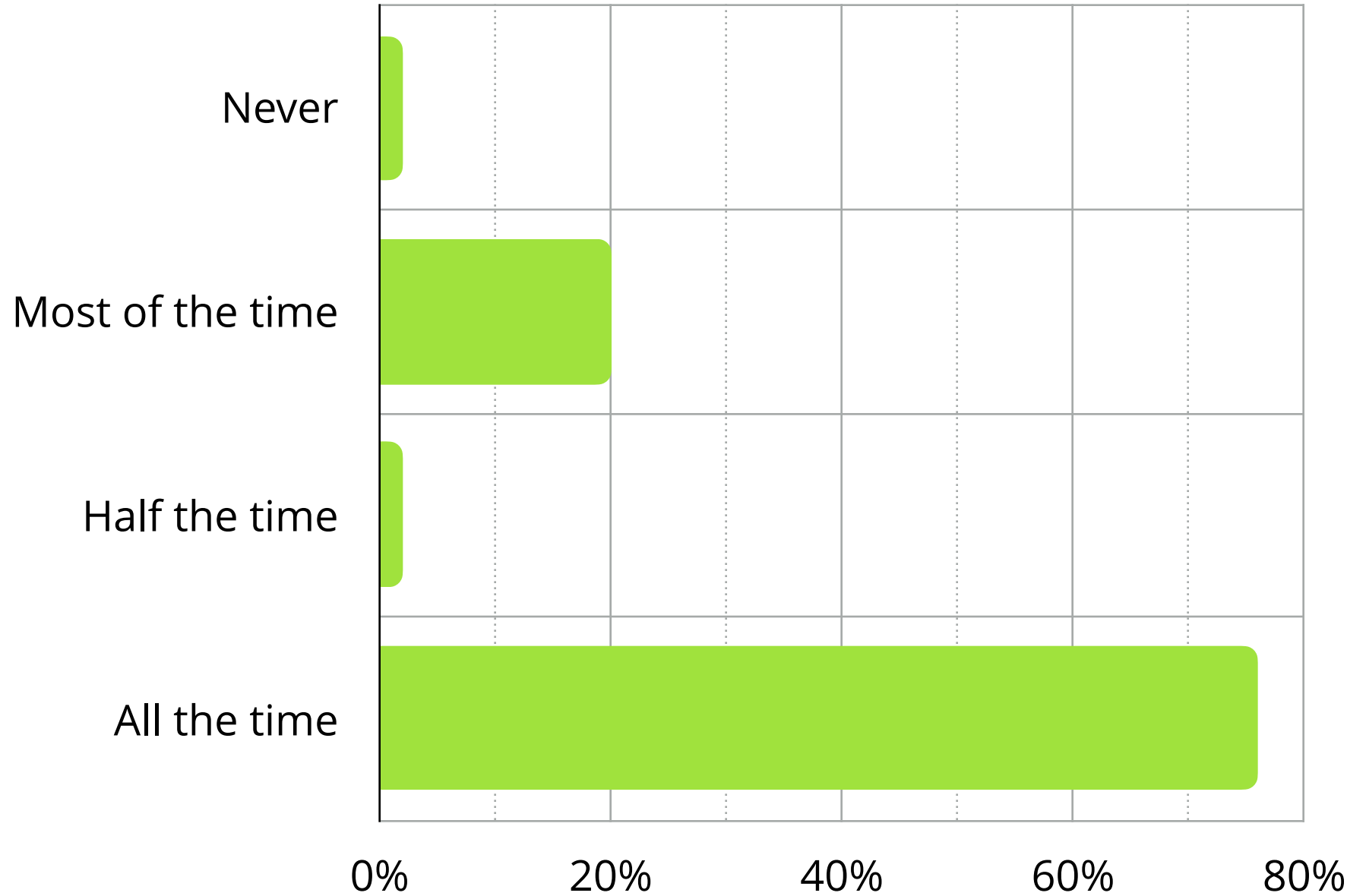


If you are an irregular commuter, how often do you drive?

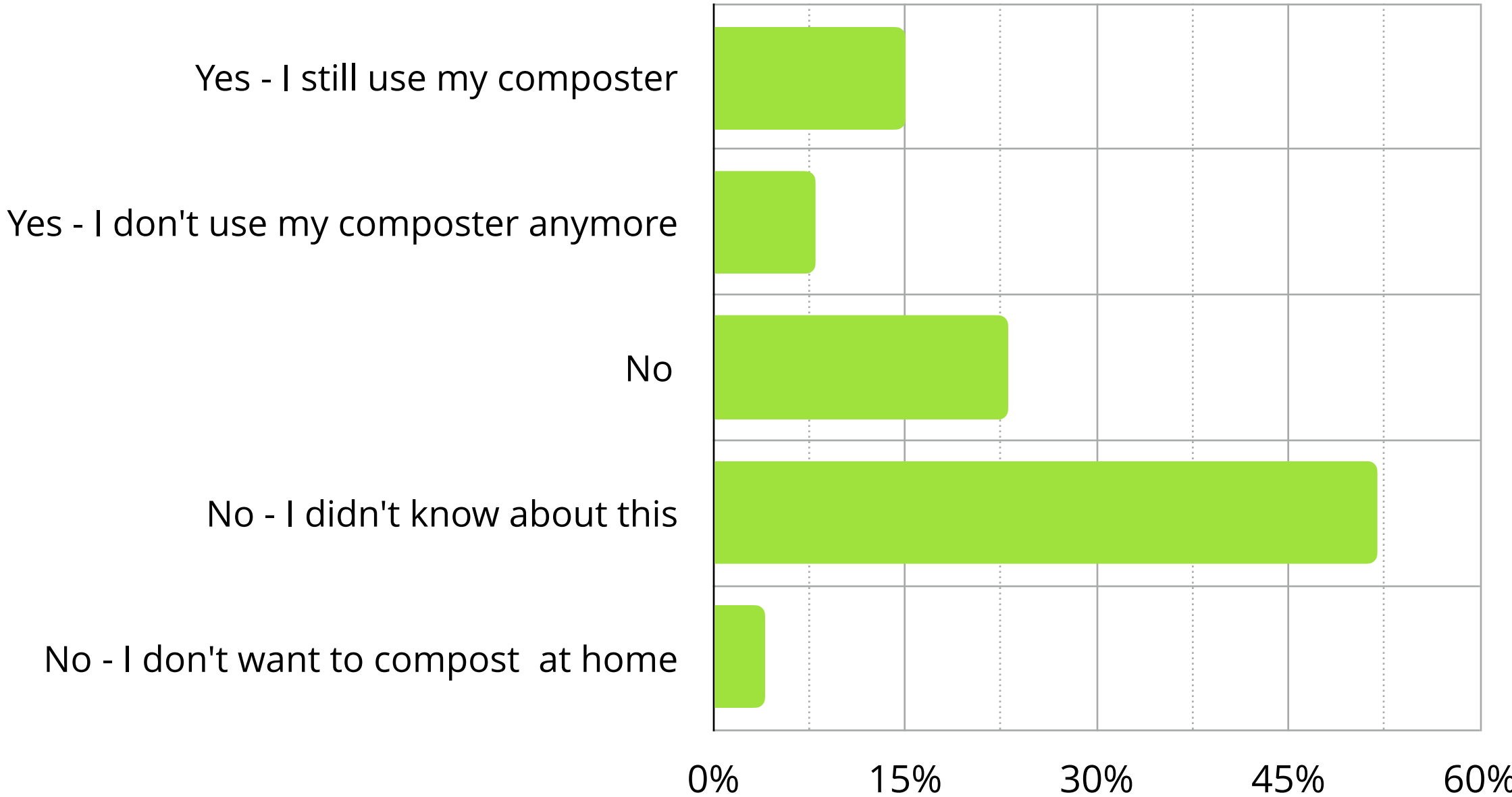


Waste Reduction and You

How often do you recycle?

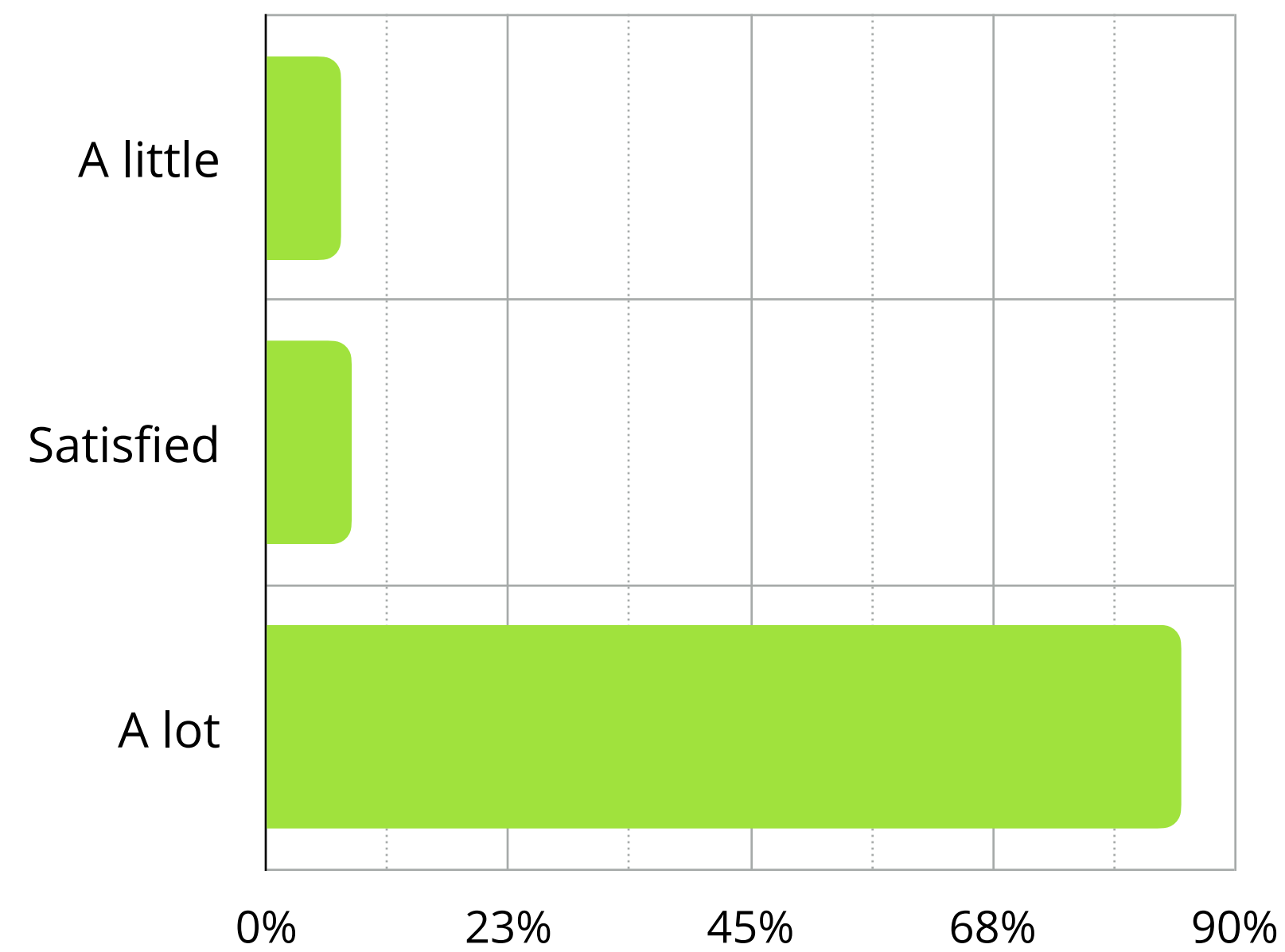


Please let us know if you participated in this program and if you are still using your composter purchased from the municipality?

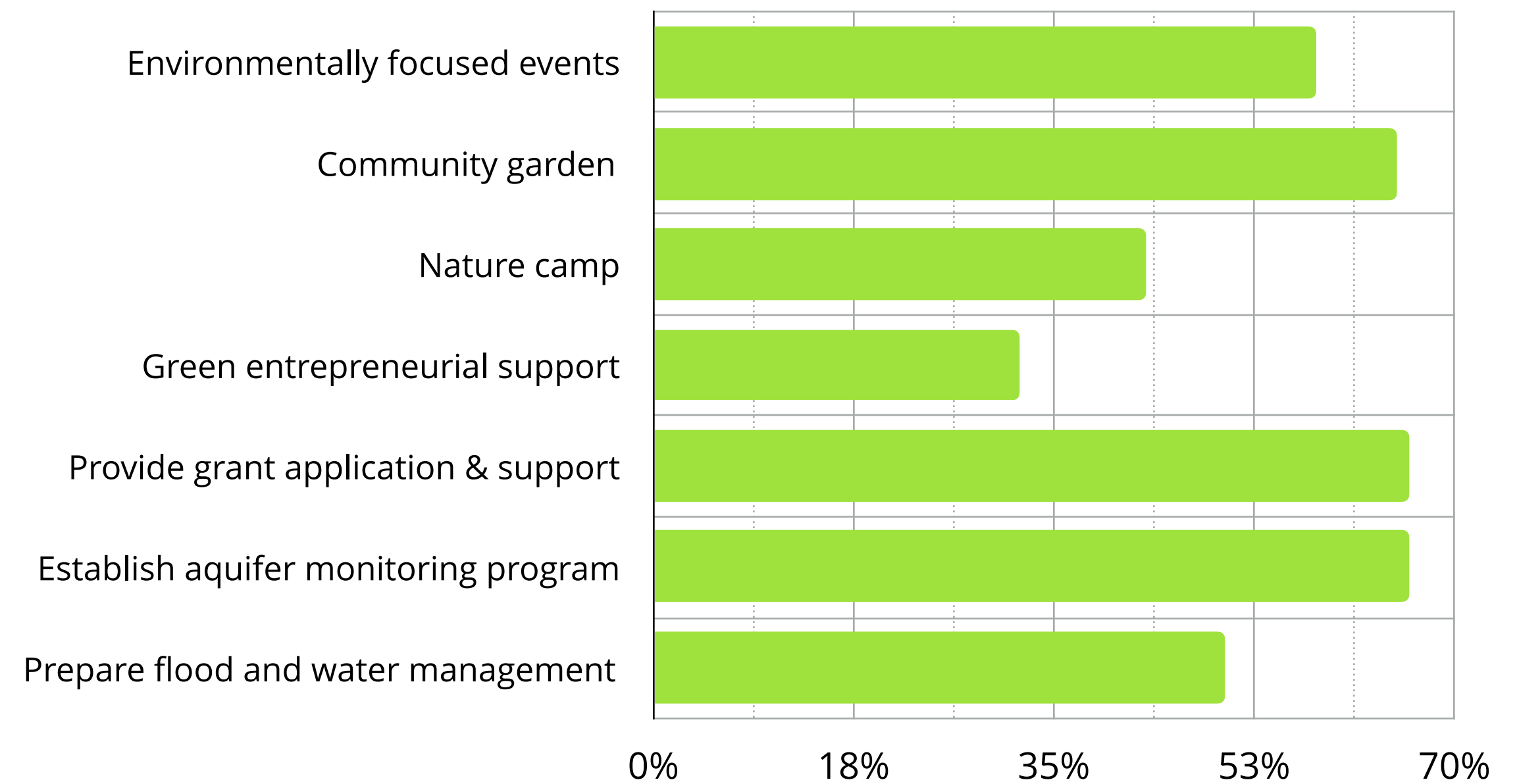


Shared Spaces

How much do you value our natural shared spaces?*



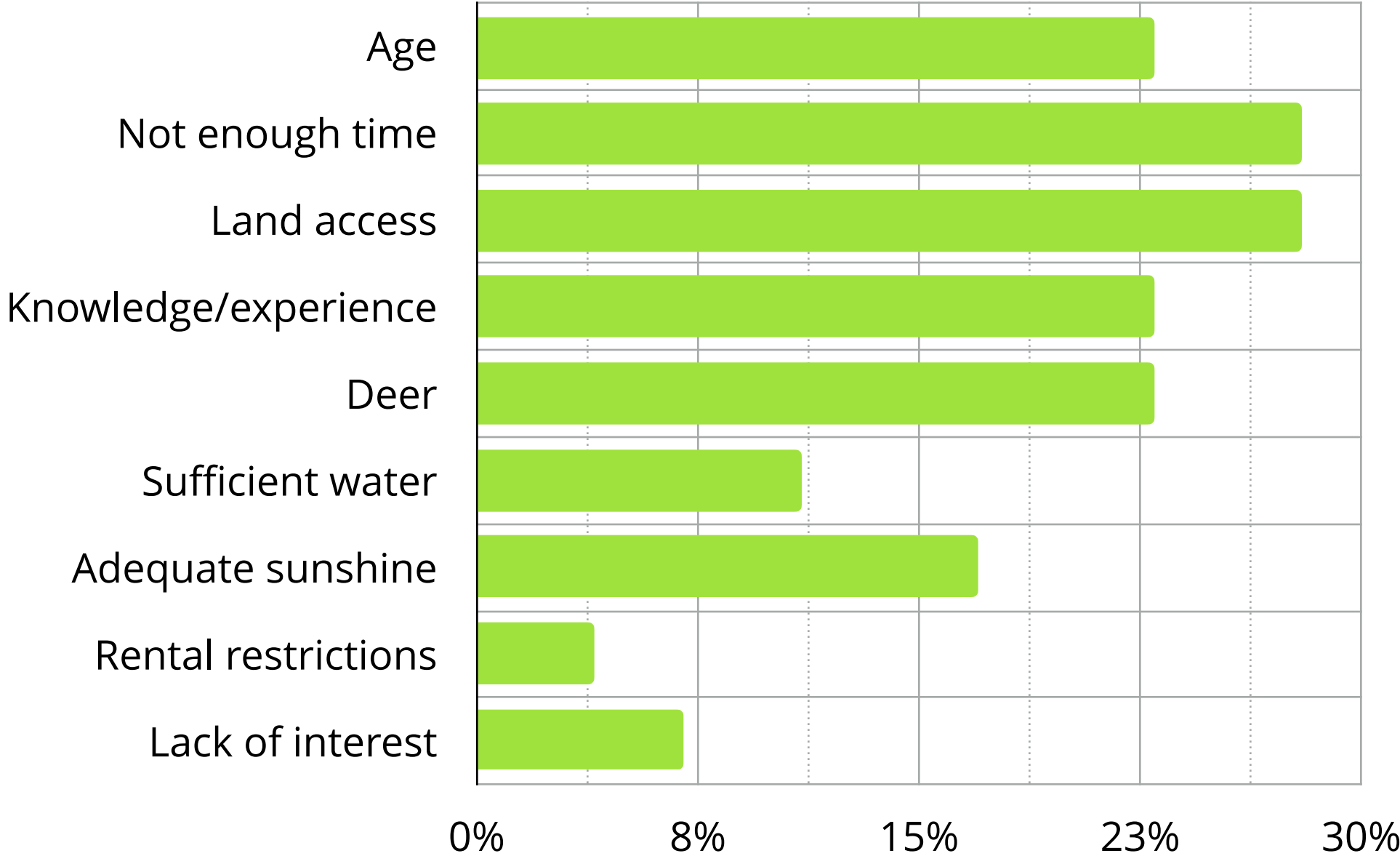
What are your top three priorities for our shared natural spaces?



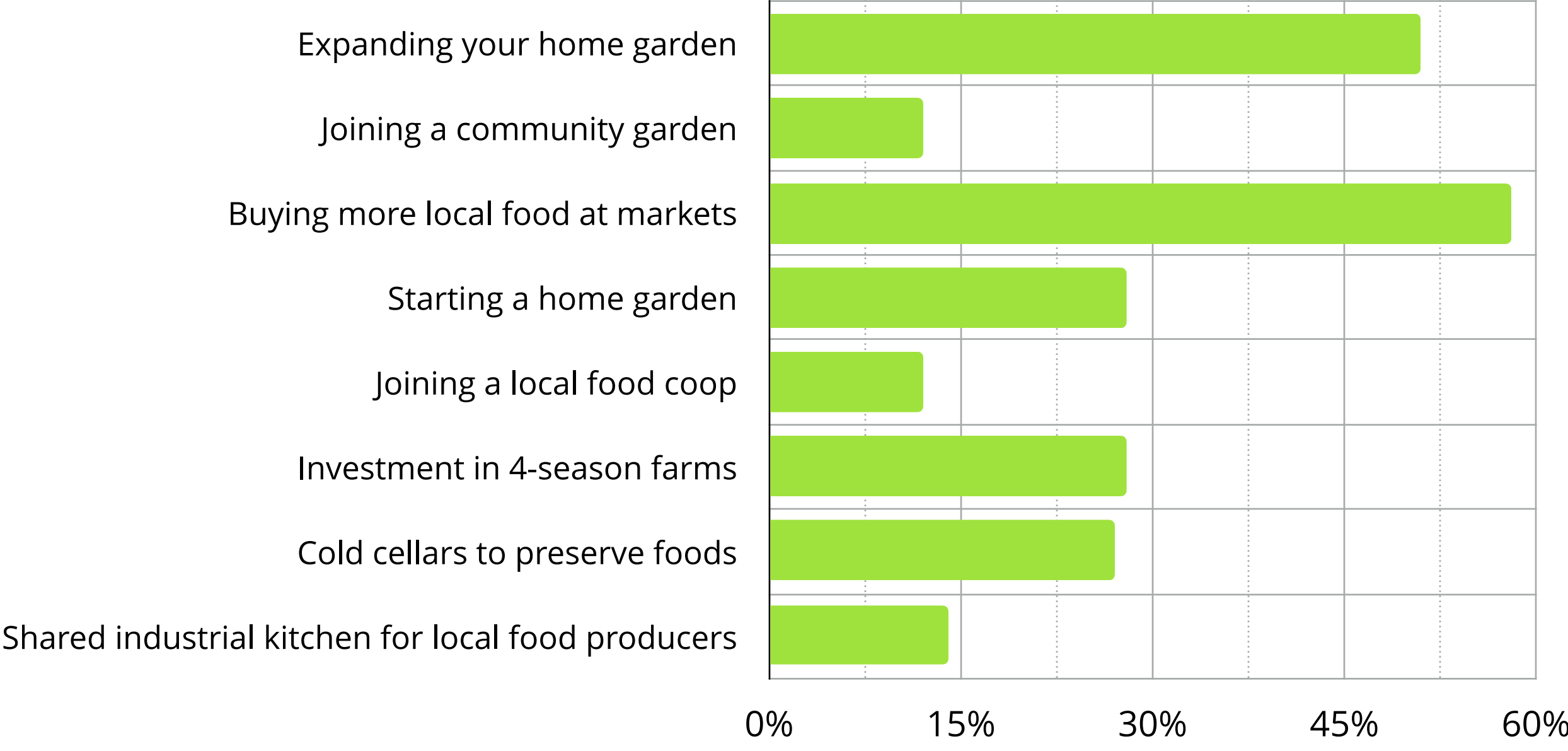
*Not Featured: Not at all - 0%

Food and Agriculture

What are the barriers for you to grow more of your own food and increase local food production?



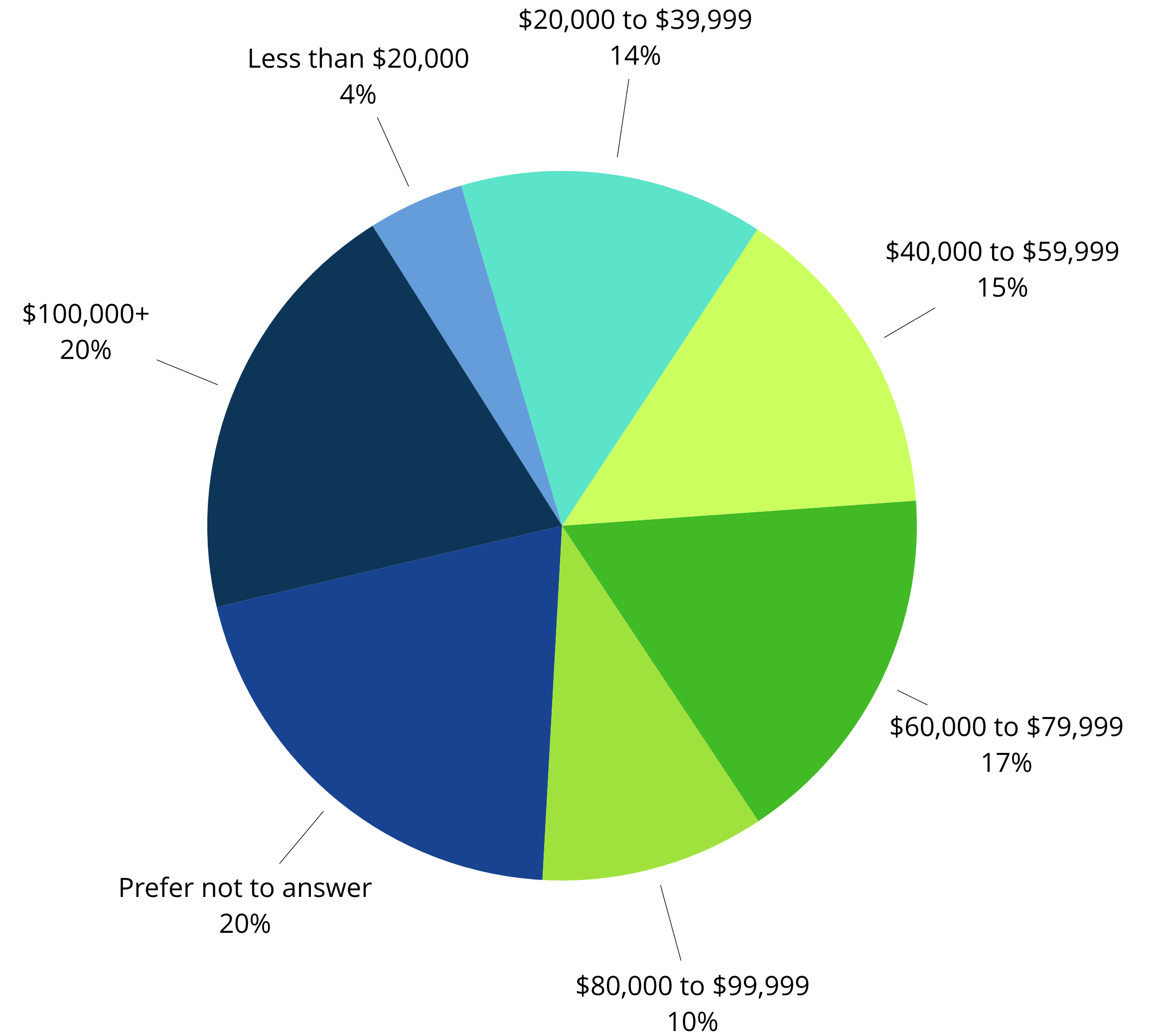
What method of local food production/ consumption are you most interested in supporting?



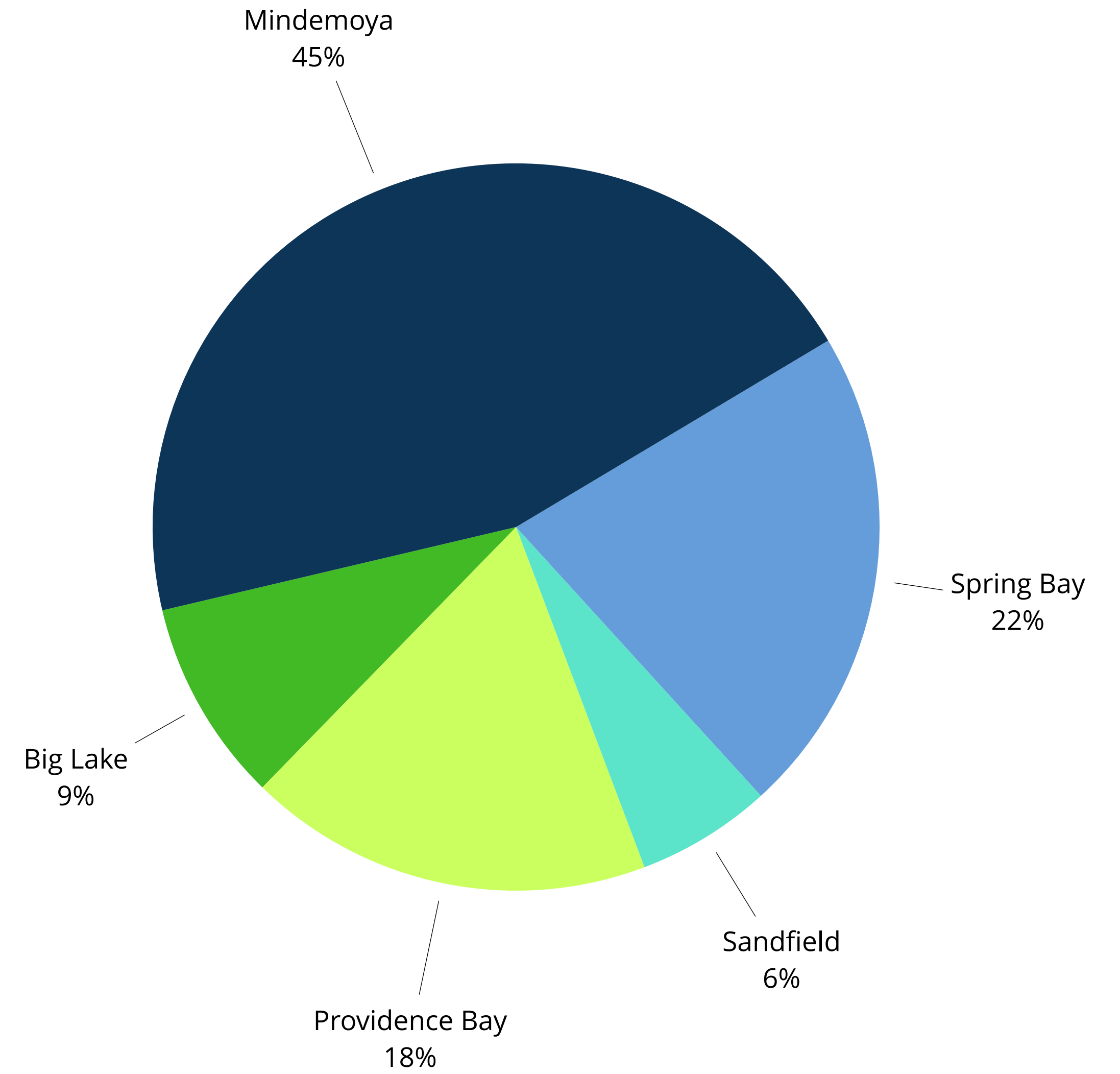


Demographic Information

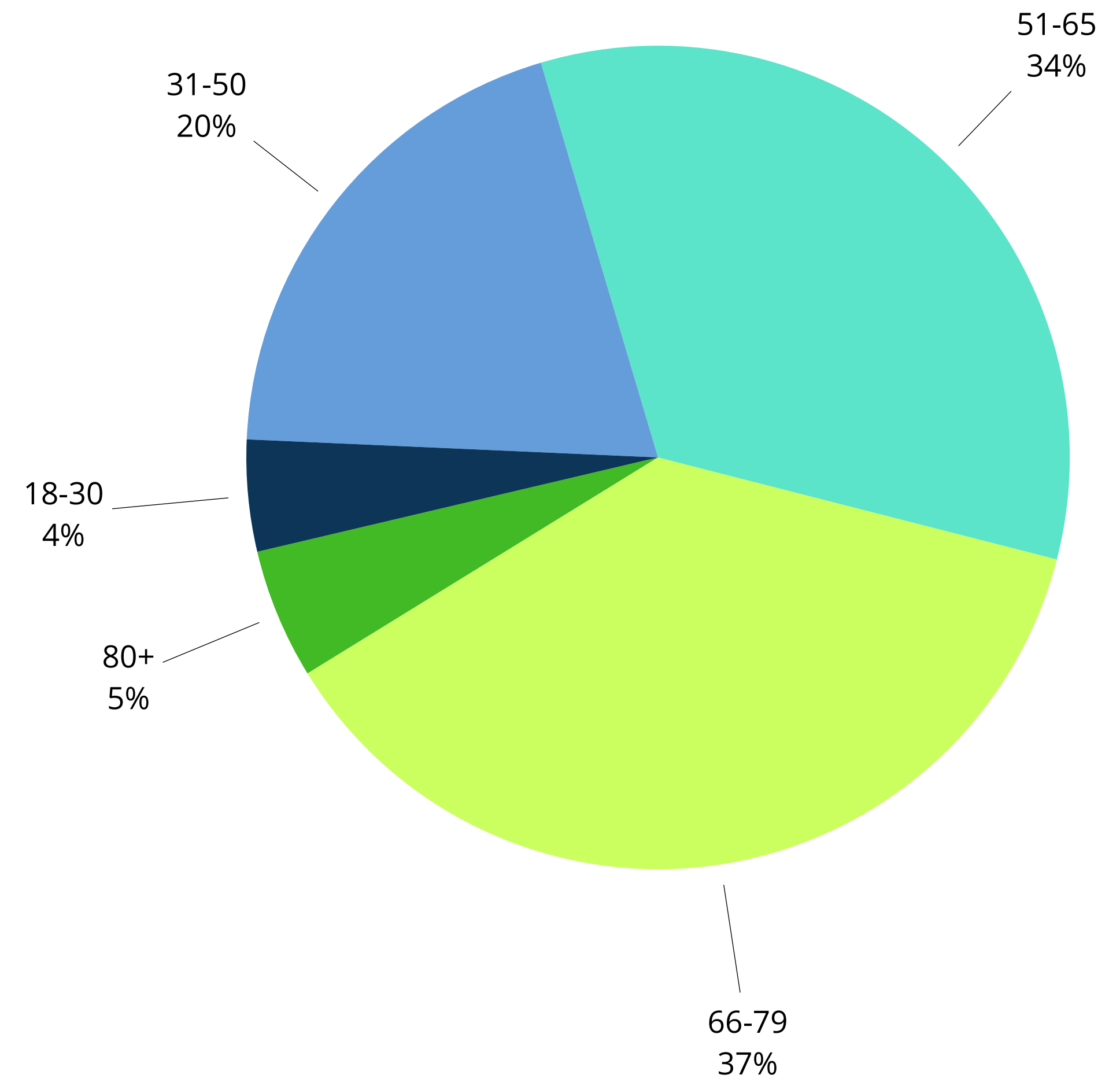
Household Income



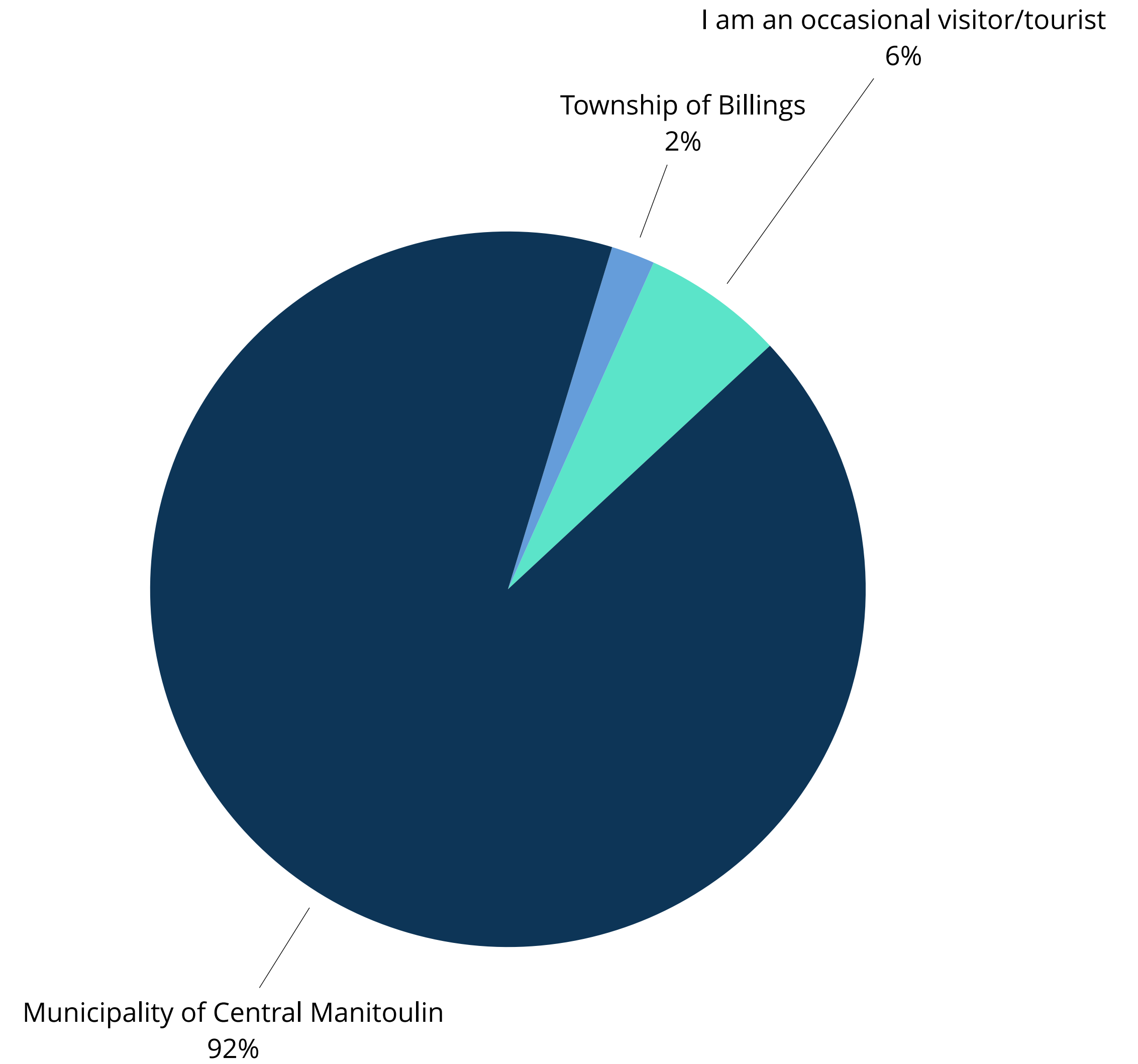
Where do you live?



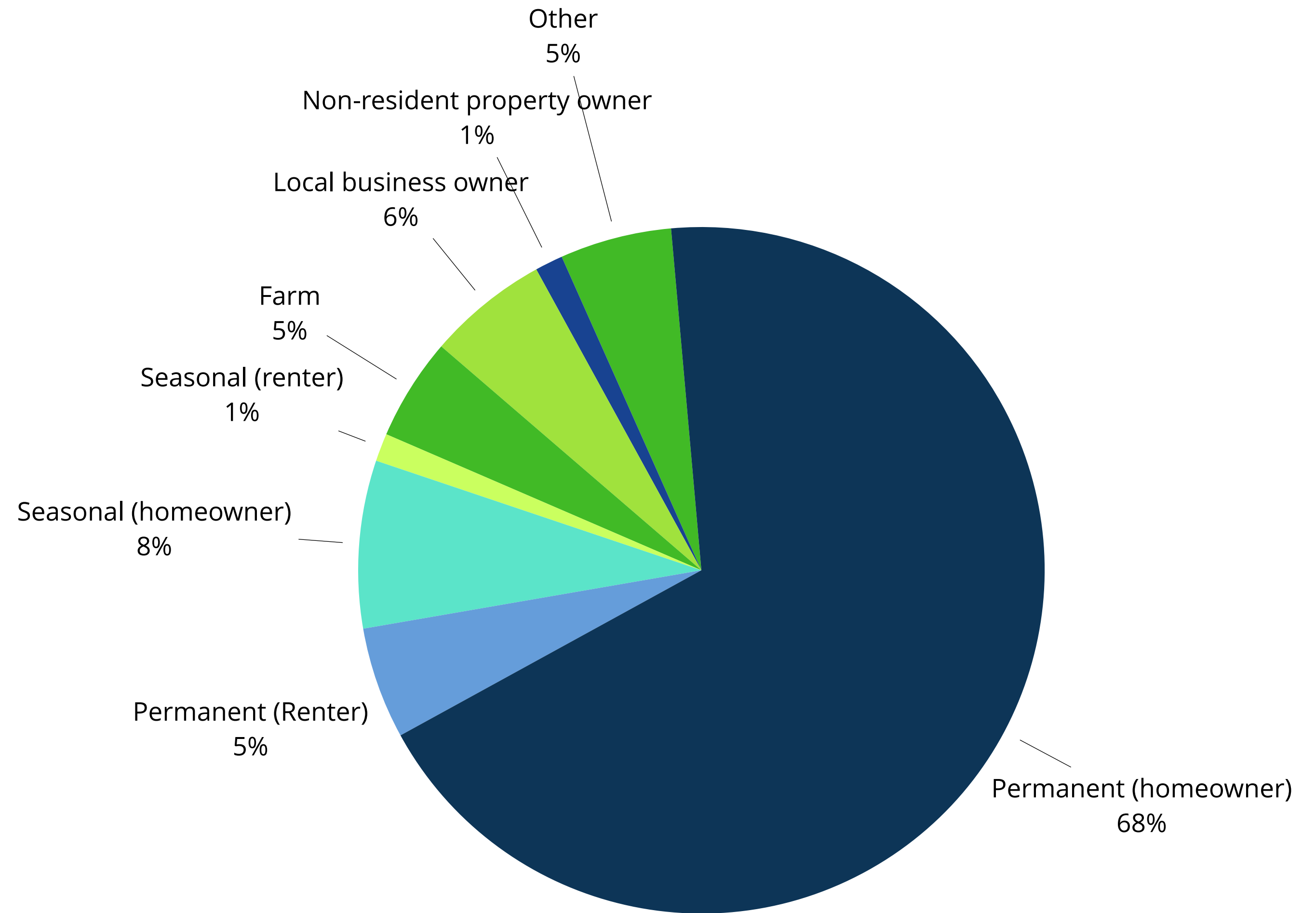
Age



Municipality/Township



Residency



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Thank you!

