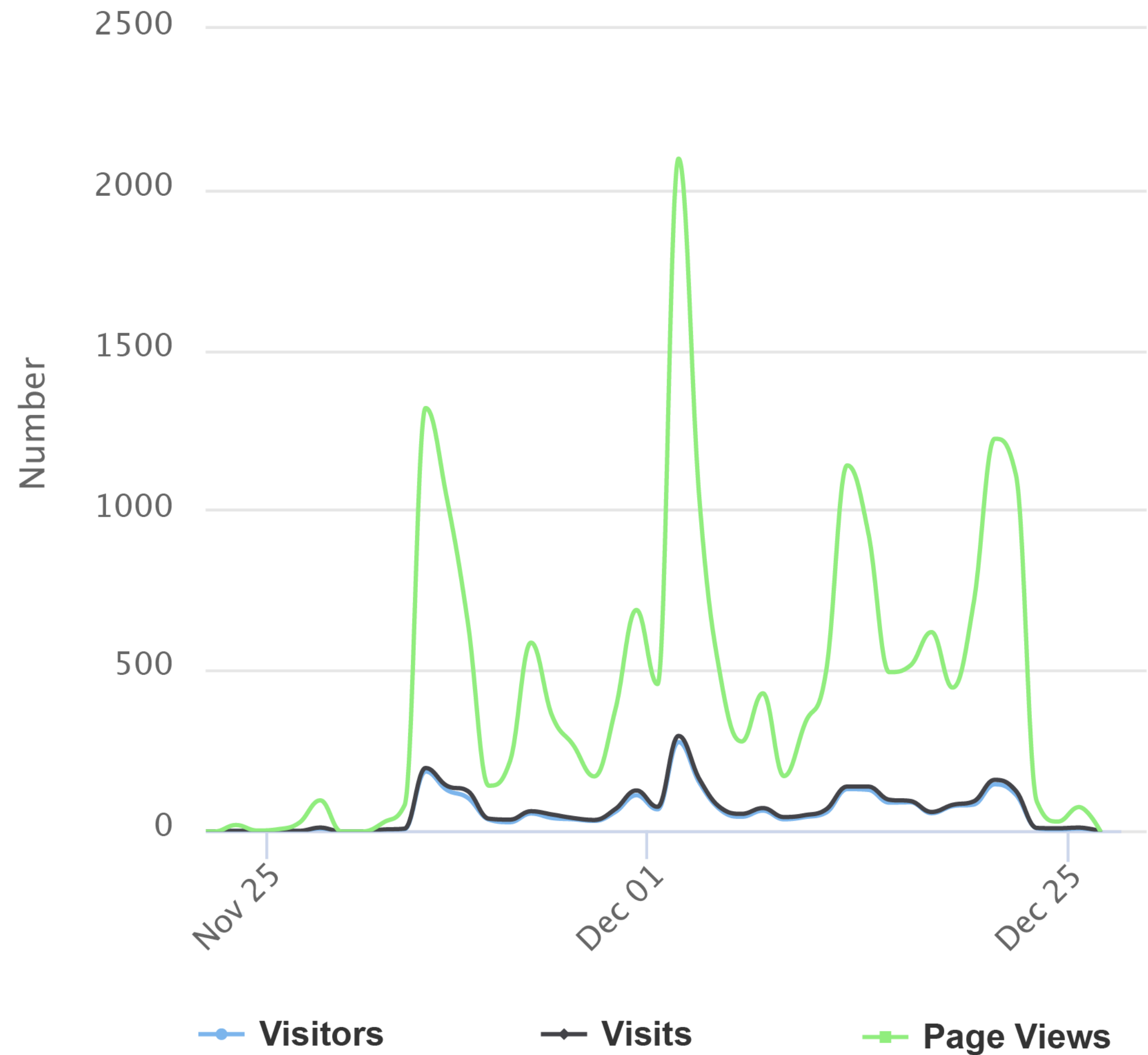ETHELO

Perth County Climate Action Plan

Introduction

From November 25 to December 23 2020, Perth County 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 County's various proposed solutions, such as their associated difficultly 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.

Participation

- Number of visitors: **2,291**

- Number of respondents: **911**

- Page views: **20,364**

- Average time on platform: **12.5 minutes**

Overview

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

Totally Oppose   Neutral   Totally Support

247,720 tonnes of greenhouse gas could be reduced within this set of options.

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

Difficulty score of 4 out of 10. This plan is considered difficult, but achievable overall.

911 community members voted in the public engagement process

Overview

The Ethelo platform identifies the policy options with the least polarization. The platform takes into account not only participant's likes, but also their dislikes, and uses these to identify where there is community consensus and where there is potential conflict.

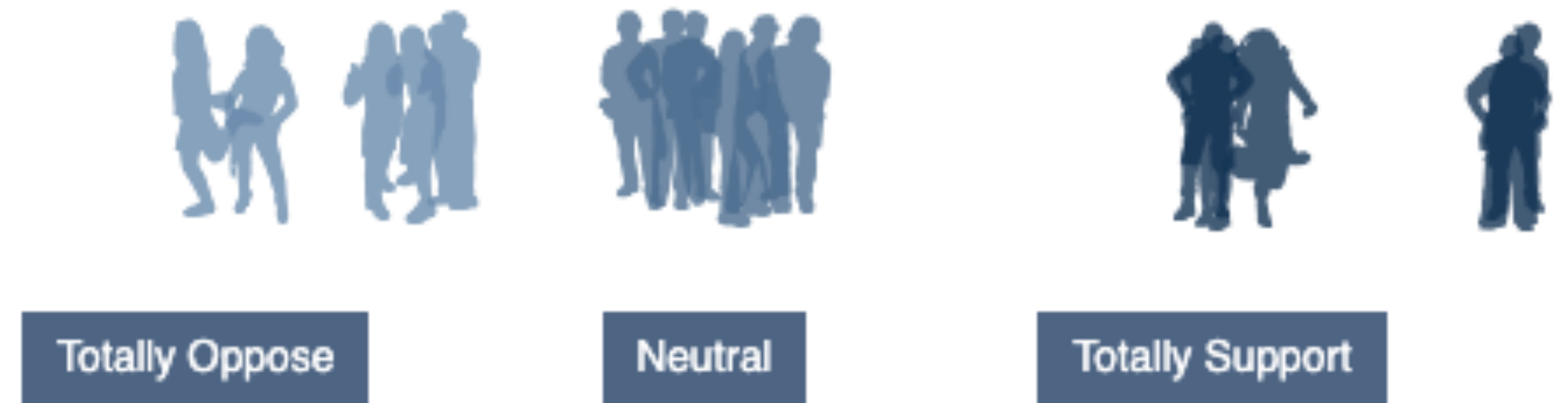| Most Supported	Section
Energy Efficient Upgrades and New Heating Systems - Single Family Homes	6390 Heating System replaced = 23,840 tonnes GHG
Tractor and other Farm Vehicles	30% Vehicles replaces = 43,416 tonnes GHG reduced
New Net Zero Homes	50% New Net Zero Homes = 9,286 tonnes GHG increase
Energy Efficiency Upgrades, New Heating Systems and hot water heating - Commercial/Institutional/Industrial Buildings	30% New Heating systems = 47,462 tonnes GHG
Energy Efficiency Upgrades, New Heating Systems and hot water heating - Condos and Townhouses	30% New Heating Systems = 1,212 tonnes GHG
Public Transport - Bus Routes	180 Vehicles replaced = 1,134 tonnes GHG

To see the full engagement analysis, please see the back-end results page here.

Most Supported

1. Energy Efficiency Upgrades and New Heating Systems - Single Family Homes

How many single family homes do you think the residents of Perth County can and should plan to retrofit?

6390 Heating System replaced = 23,840 tonnes GHG

Totally Oppose   Neutral   Totally Support

2. Tractor and Other Farm Vehicles

How much do you think we could and should decrease emissions from farm vehicles?

30% Vehicles replaced = 43,416 tons GHG reduced

Totally Oppose　　　Neutral　　　Totally Support

3. New Net Zero Homes

How many new builds would you like to see follow a new green building standard in the next 10 years?

50% New Net Zero Homes = 9,286 tonnes GHG increased

Totally Oppose | Neutral | Totally Support

4. Energy Efficiency Upgrade, New Heating Systems and hot water heating - Commercial/Institutional/Industrial Buildings

What percentage of emissions do you think we can and should attempt to cut in the next 10 years from the commercial, institutional and industrial buildings, and operations in Perth County?

30% New Heating systems = 47,462 tonnes GHG

Totally Oppose   Neutral   Totally Support

5. Energy Efficiency Upgrade, New Heating Systems and hot water heating - Condos and Townhouses

How many condos and townhouses do you think the residents of Perth County can and should plan to retrofit?

30% New Heating systems = 1,212 tonnes GHG

Totally Oppose

Neutral

Totally Support

6. Public Transport - Bus Routes

How much do you think we should and could increase our bus service?

**180 Vehicles replaced =
1,134 tonnes GHG**

Totally Oppose

Neutral

Totally Support

Conflict

Conflict*

Moderate Conflict   **Least Conflict**

| 40% | 30% | 20% | 10% | 0% |

Green Waste

Bikes - Cycling Infrastructure

Personal Vehicles

Public Transport - Bus Routes

Energy Efficiency Upgrades and New Heating Systems - Condos and Townhouses

New Hot Water Heaters - Single Family Homes

Energy Efficiency Upgrades and New Heating Systems - Commercial/Institutional / Industrial buildings

Energy Efficiency Upgrades and New Heating Systems - Single family homes

Tractors and Other Farm Vehicles

New Net Zero Homes

14

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

Survey Overview

How we live

Do you rent or own your home?
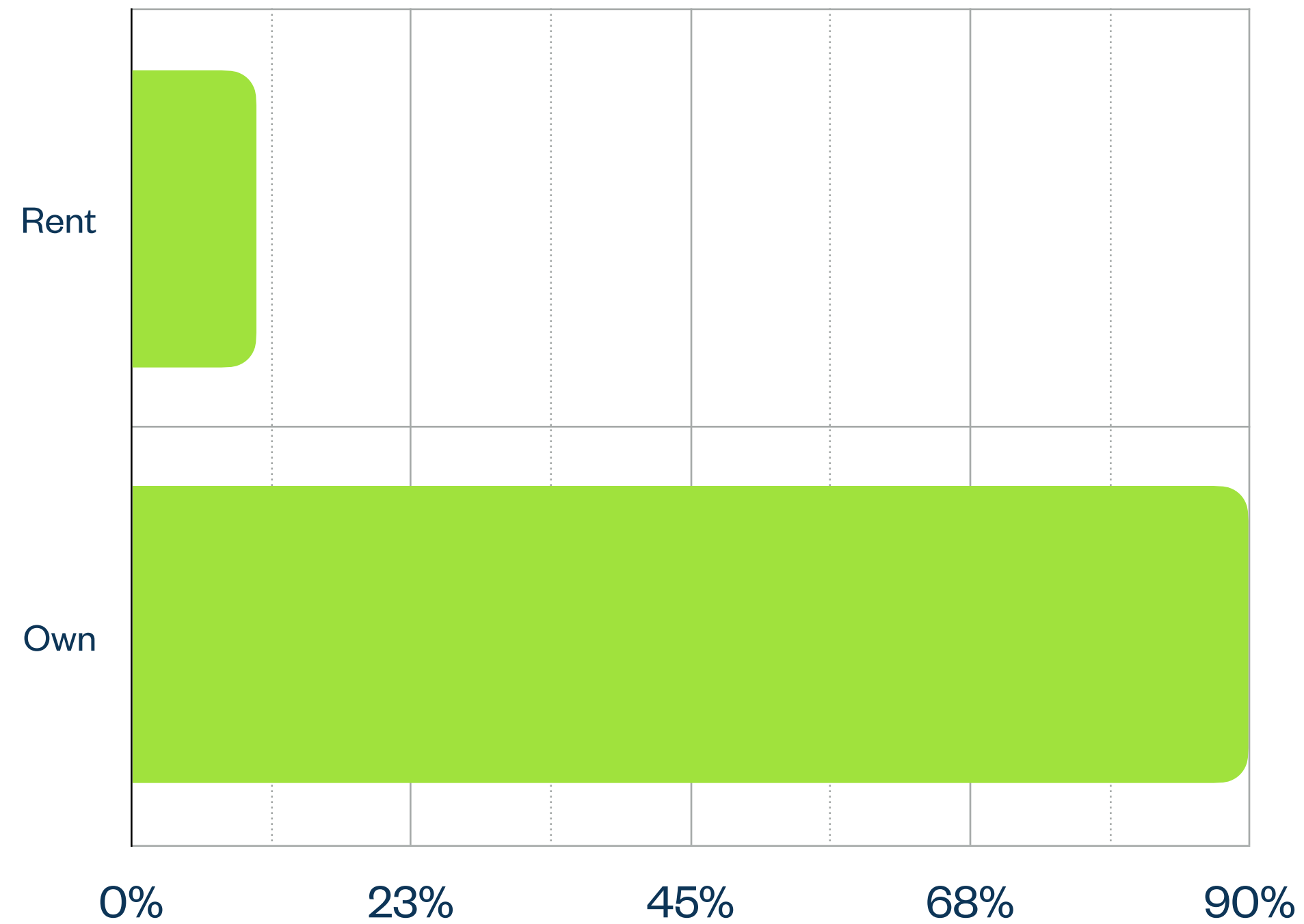
Have you done anything to make your home more energy efficient?
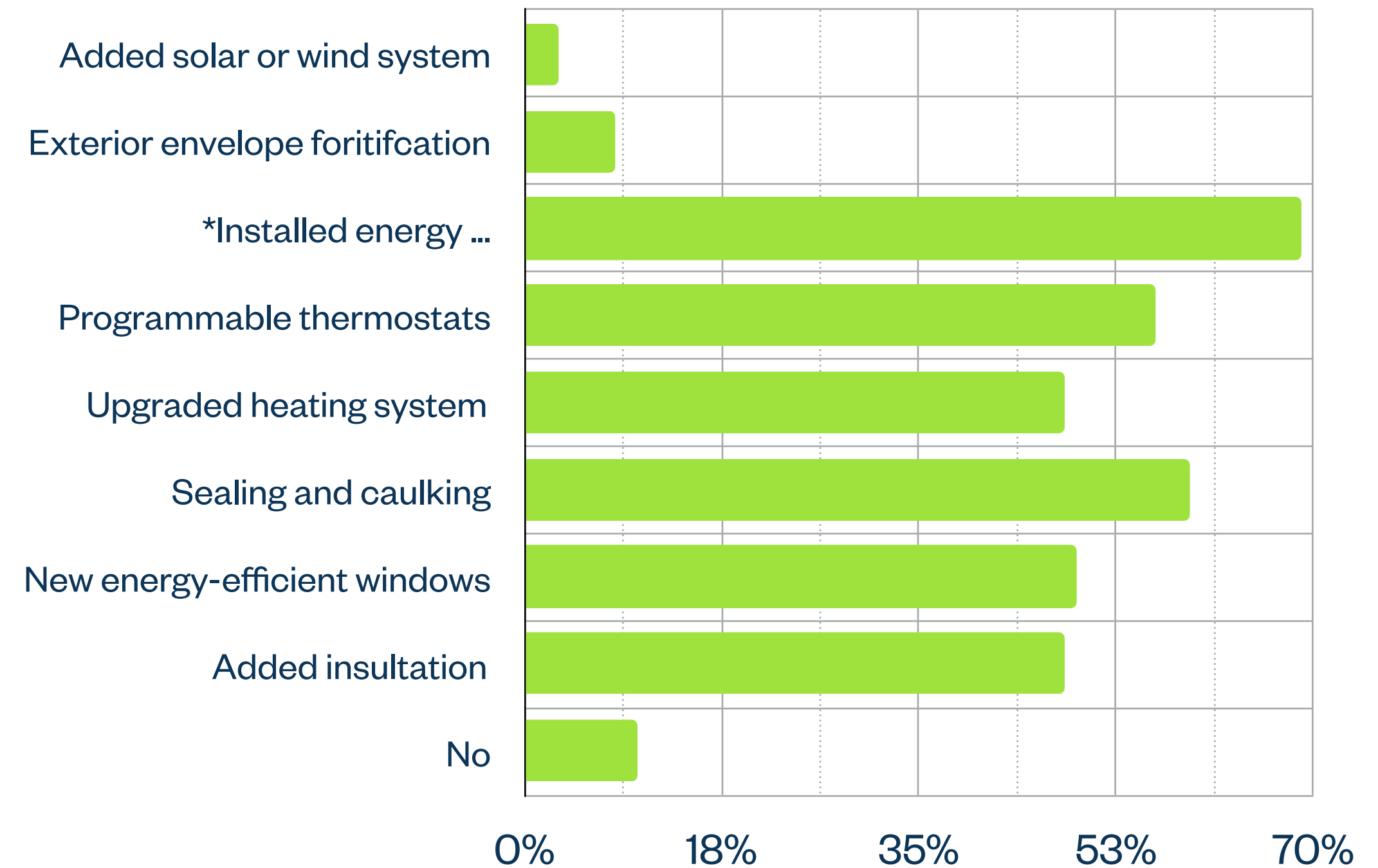
*Full title: Installed energy efficient appliances and fixtures

16

Agriculture

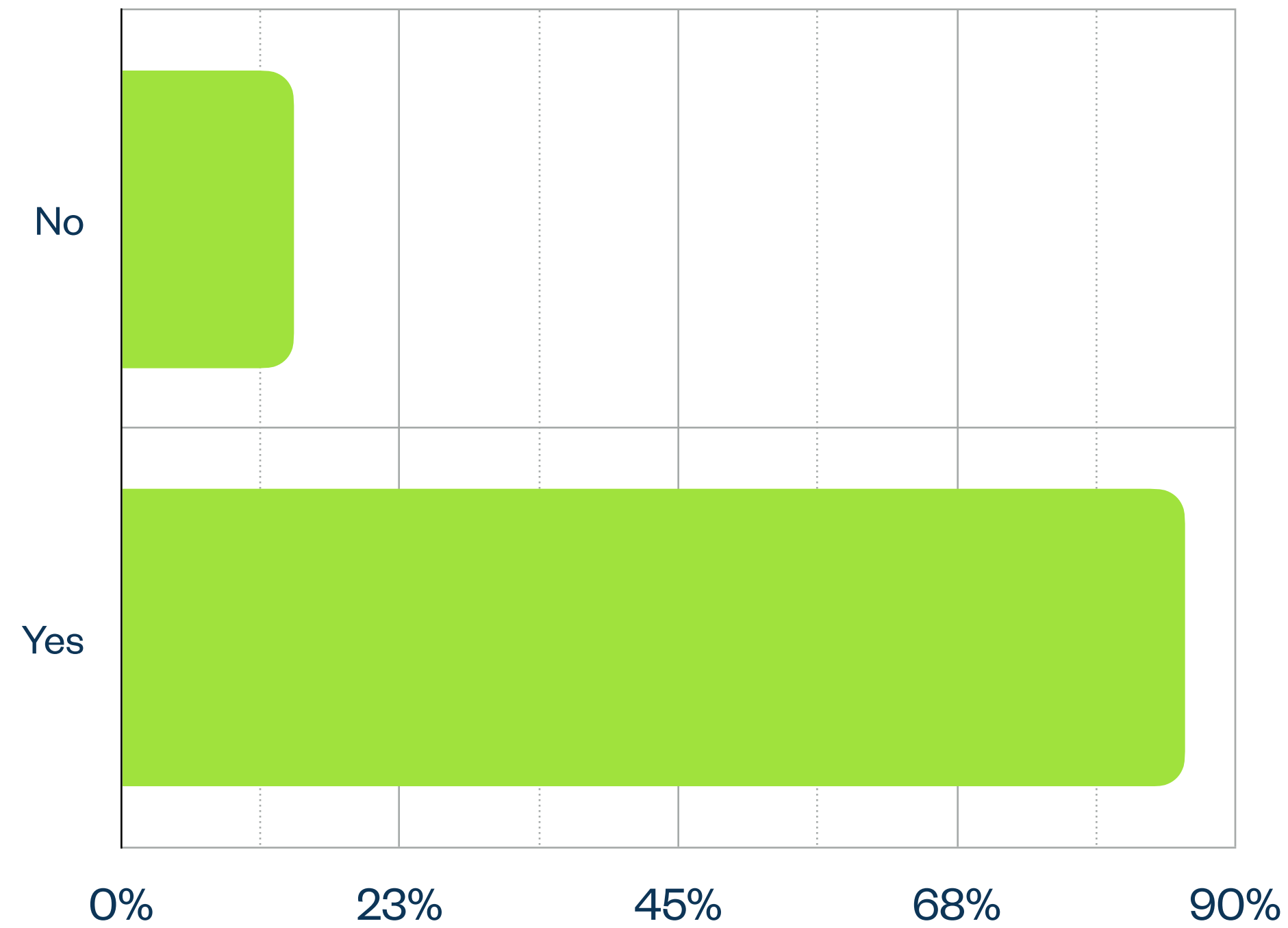## Do you consider your GHG footprint when shopping for food?
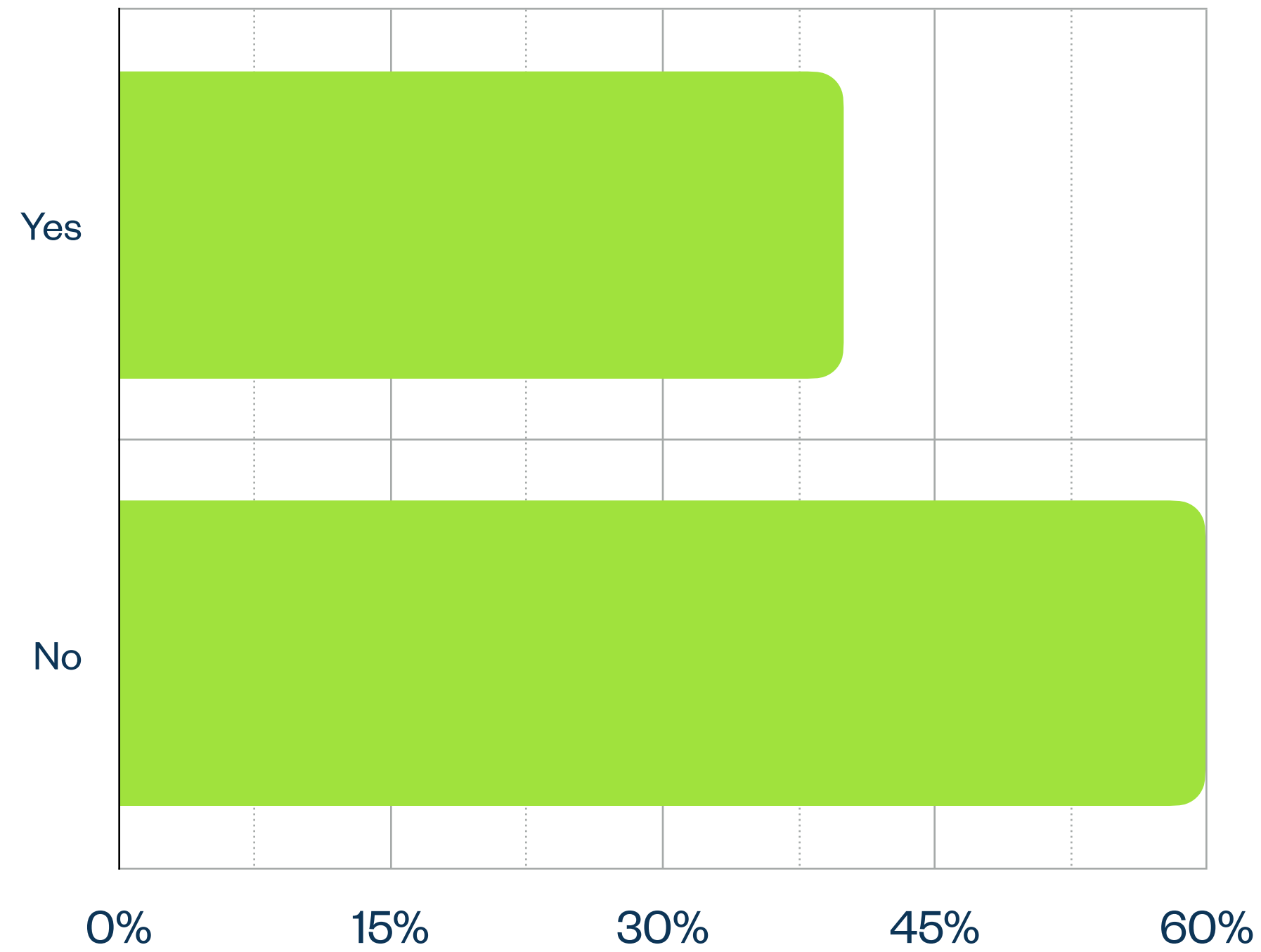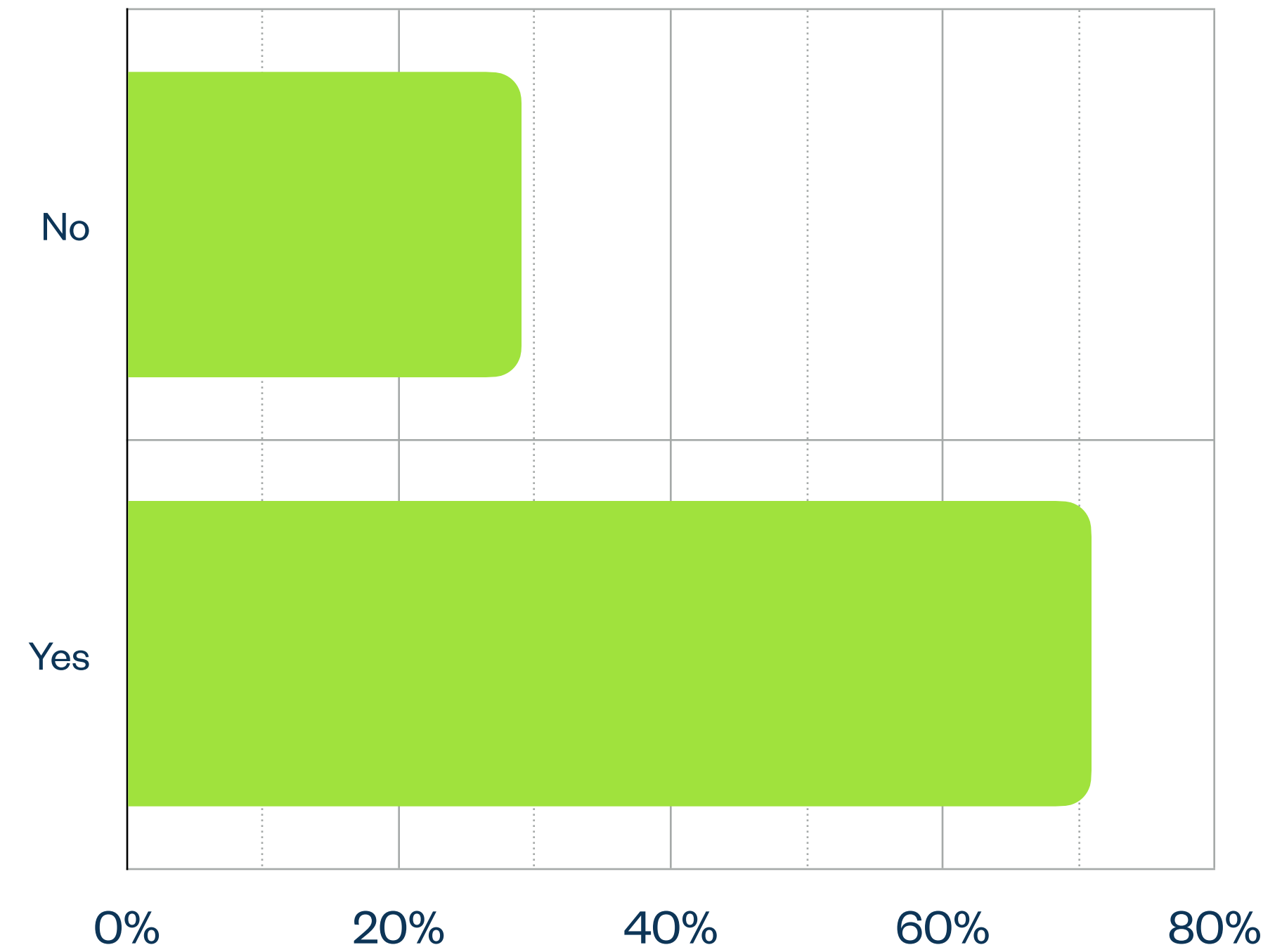

Do you grow your own food?

17
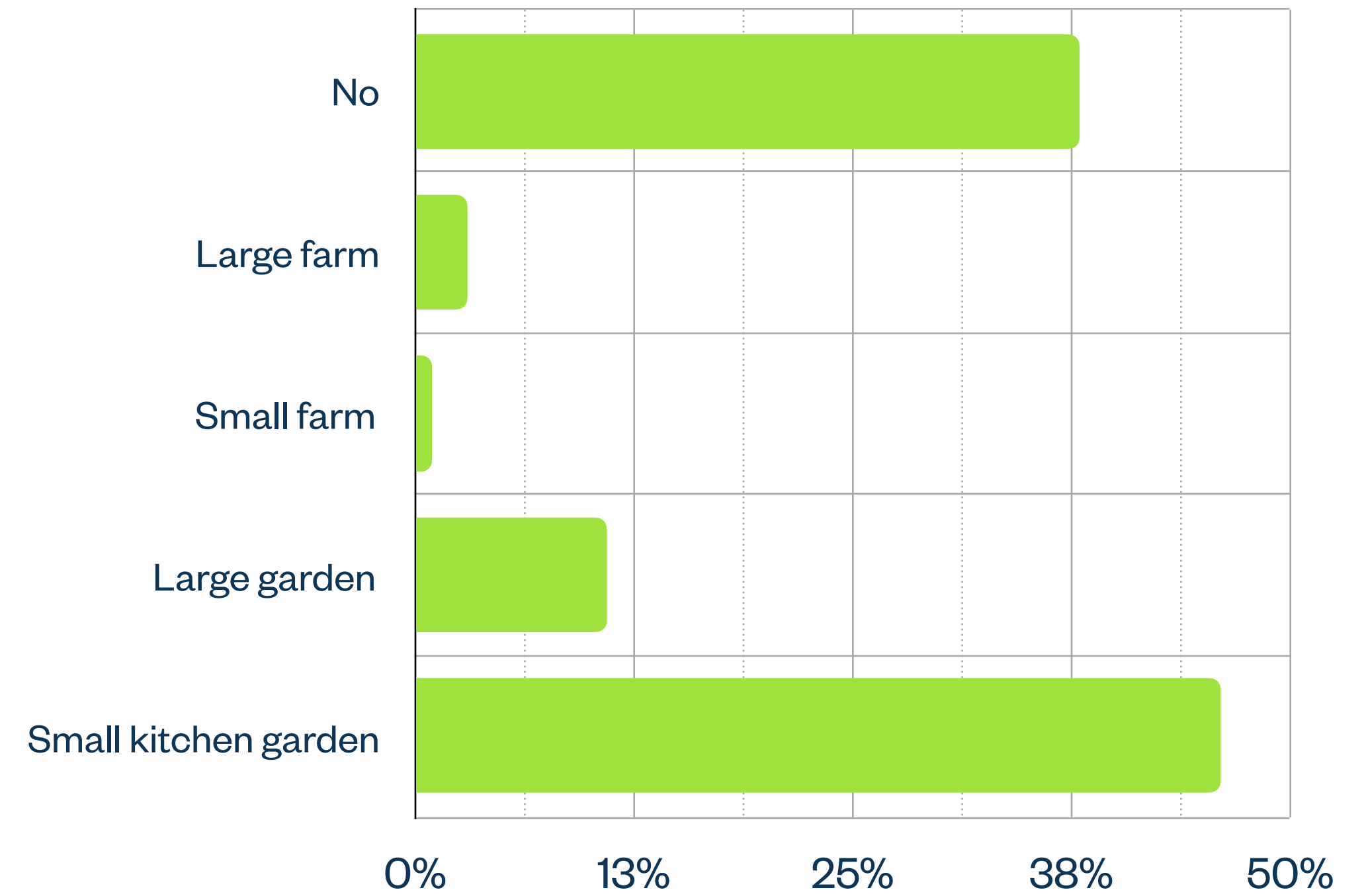
Environment

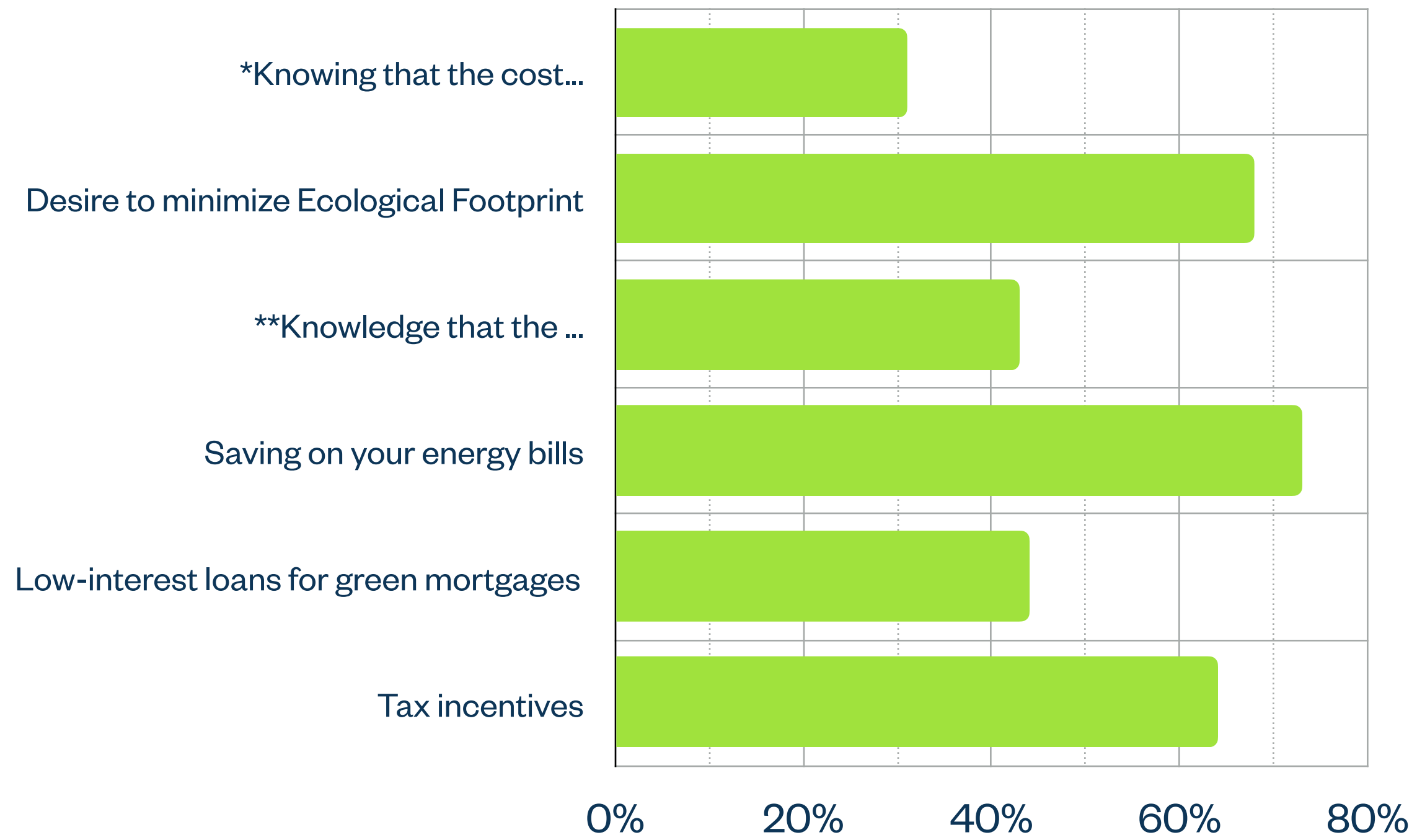### Are you interested in planting on your own property?

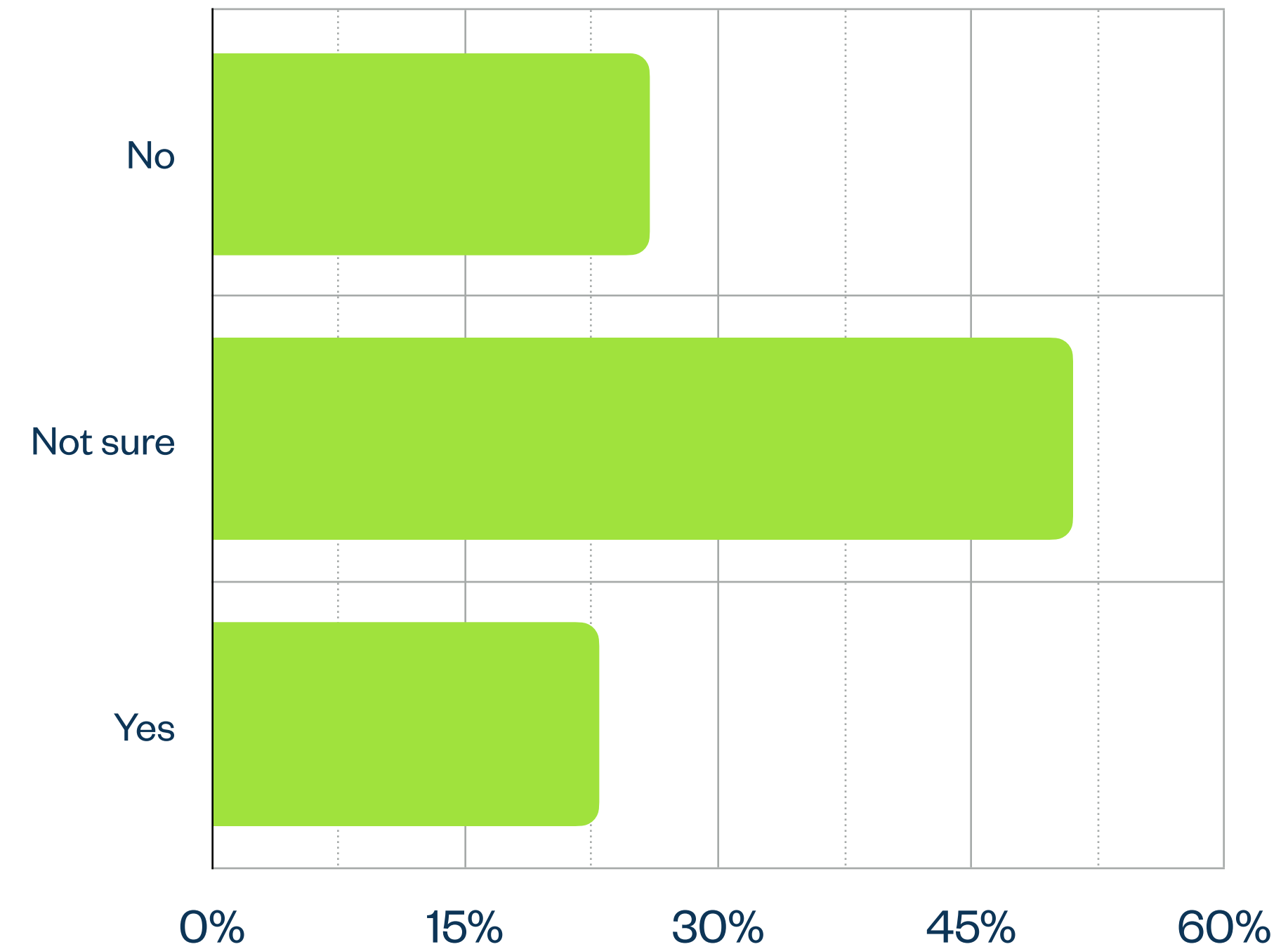### Would you be interested in participating in a planting program?

Growth

Which of the following would be most likely to influence your decision to make your next home a net-zero home?

Would you consider buying a net zero home?

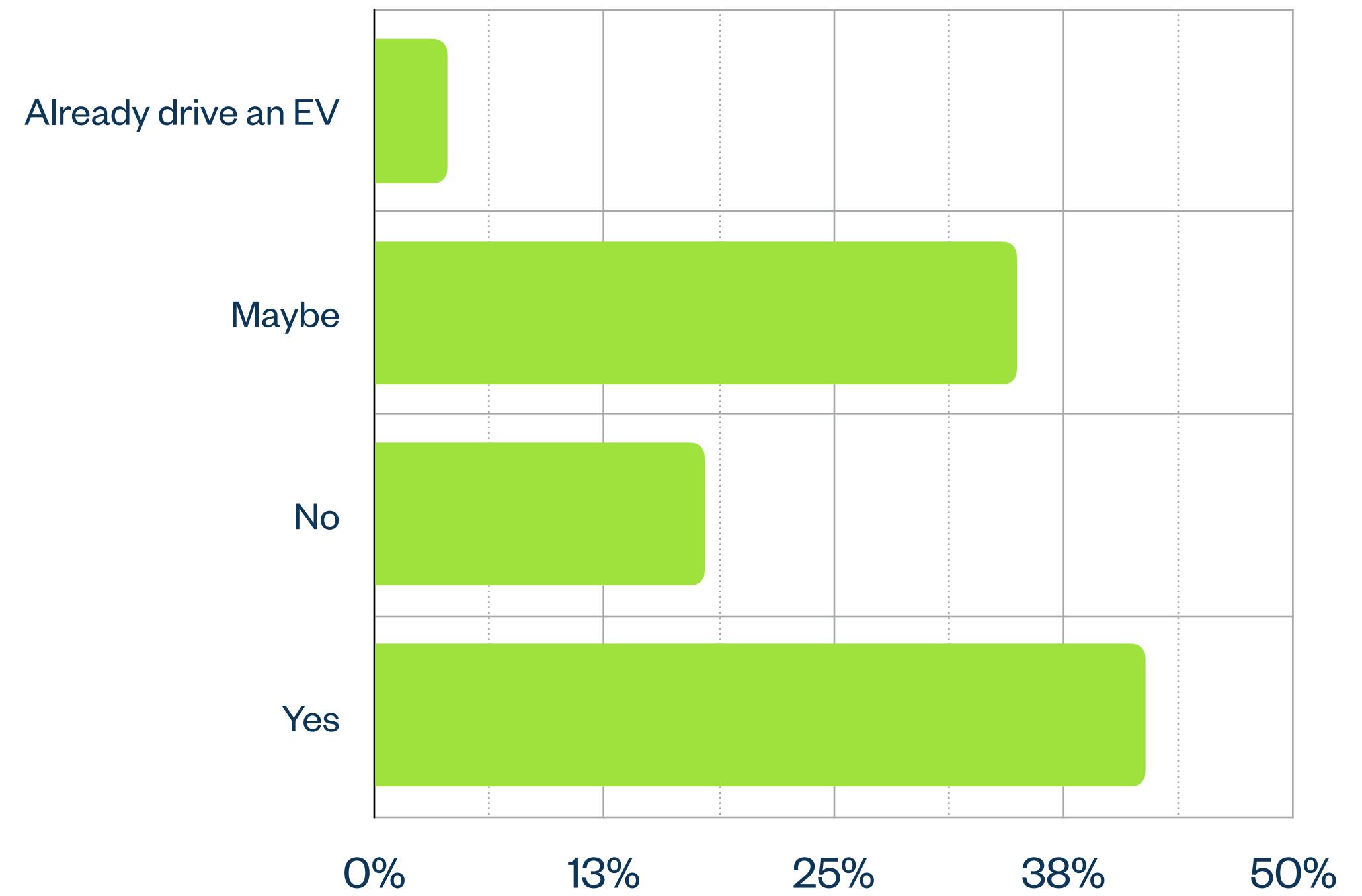*Full title: Knowing that the cost of a net-zero home is usually only about 8% more than any other home.
***Full title: Knowledge that the net-zero homes have better resale value
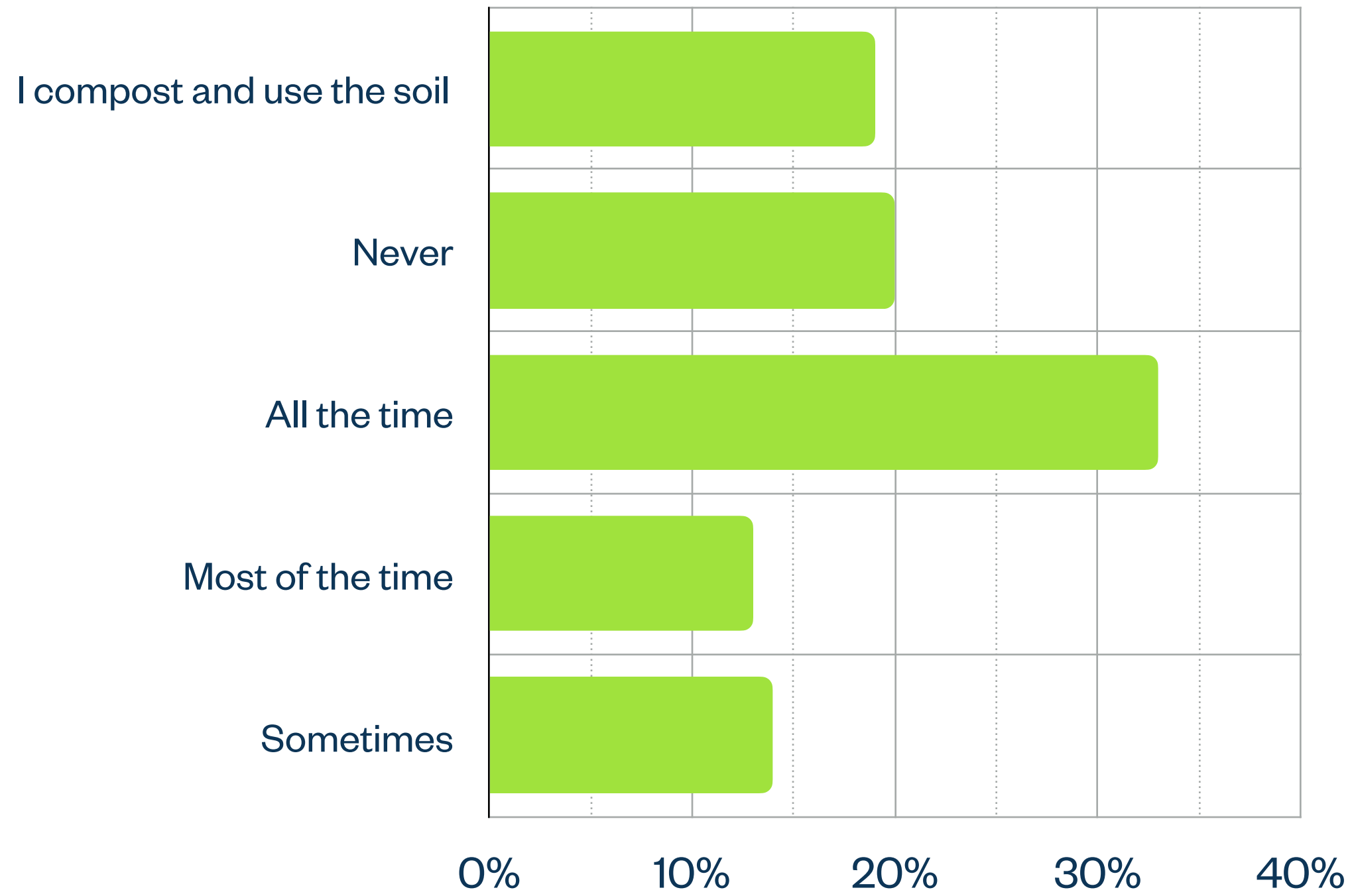
Transportation

If you own a car, how old is it?
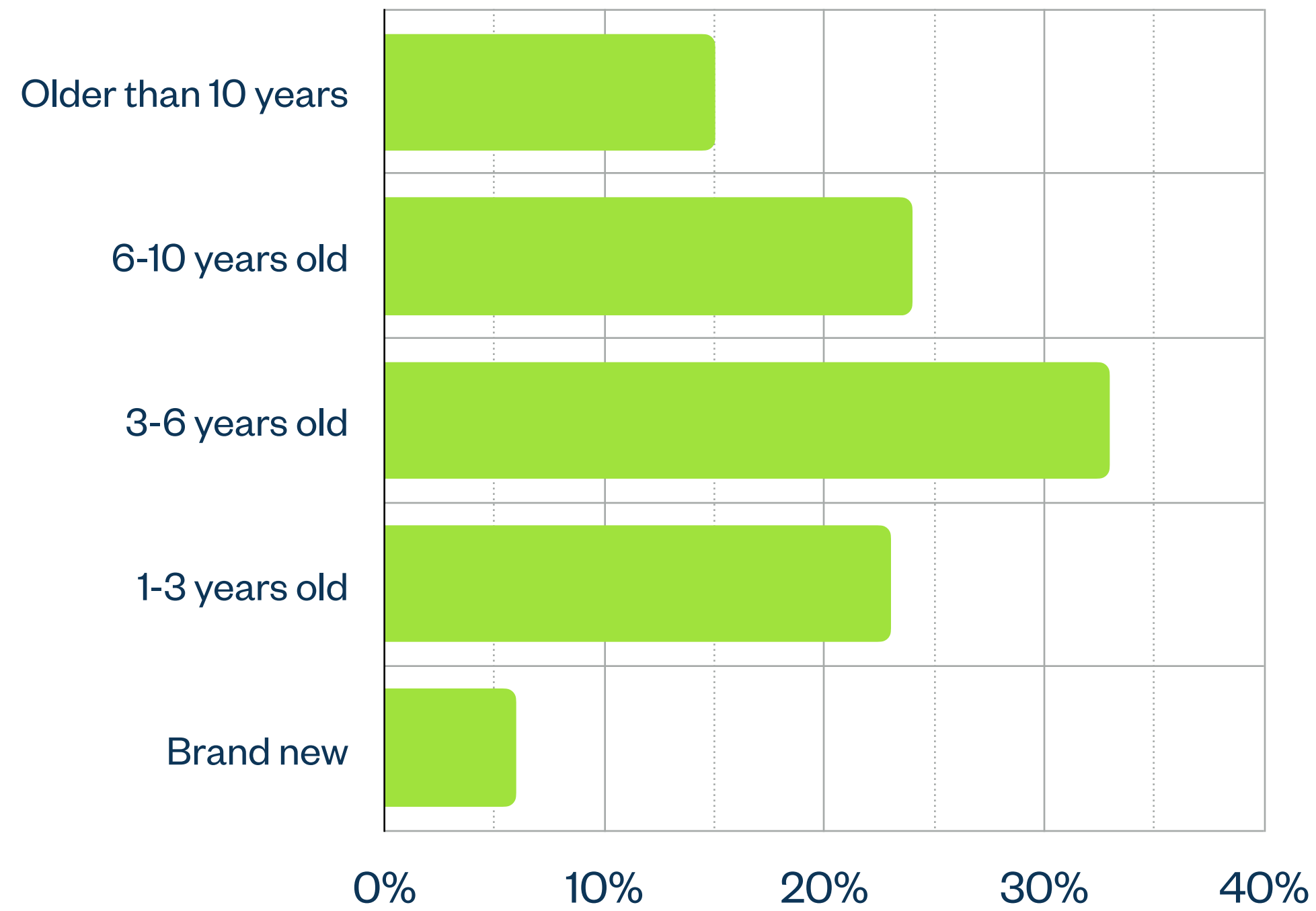
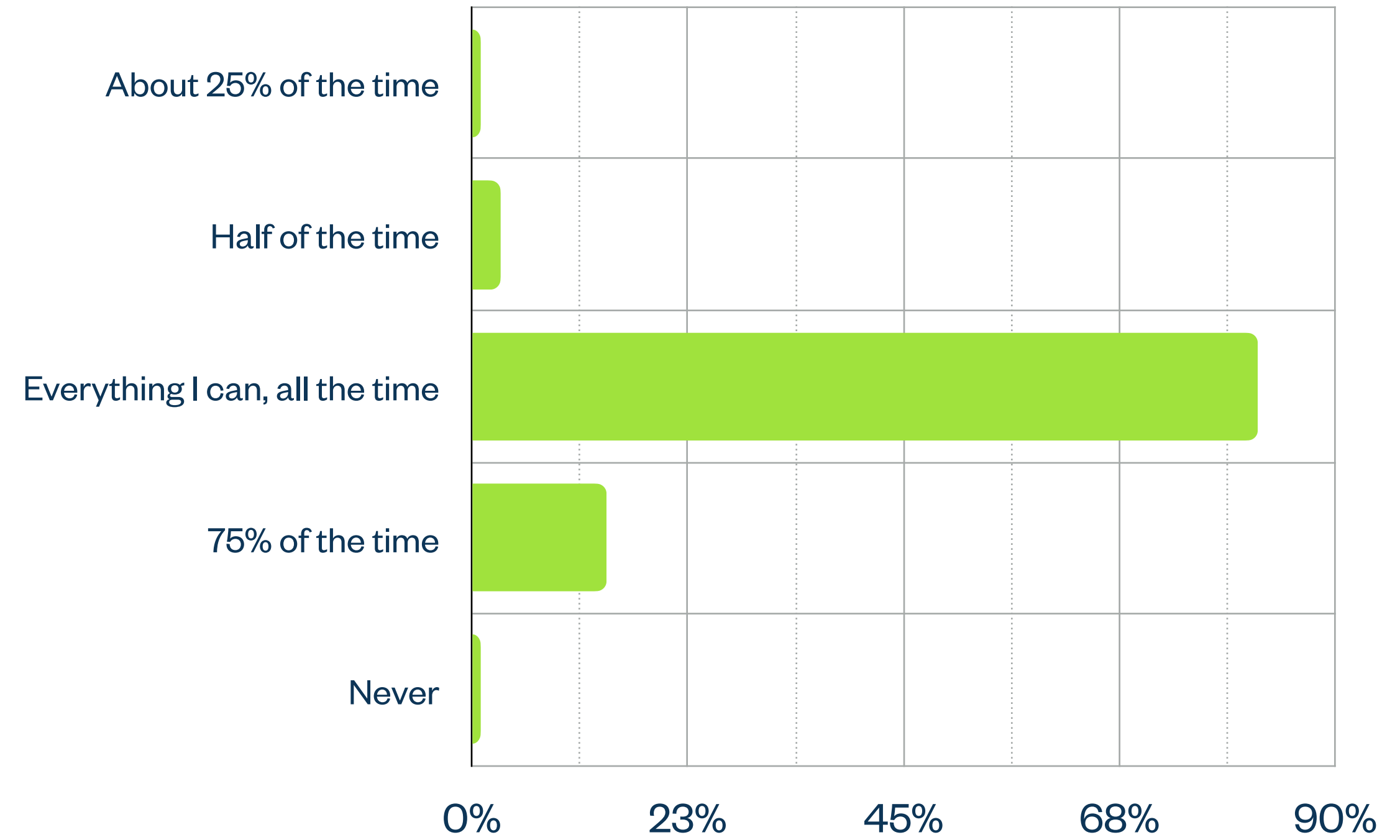Would you consider buying an EV as your next vehicle?

Waste Reduction

How much do you compost?
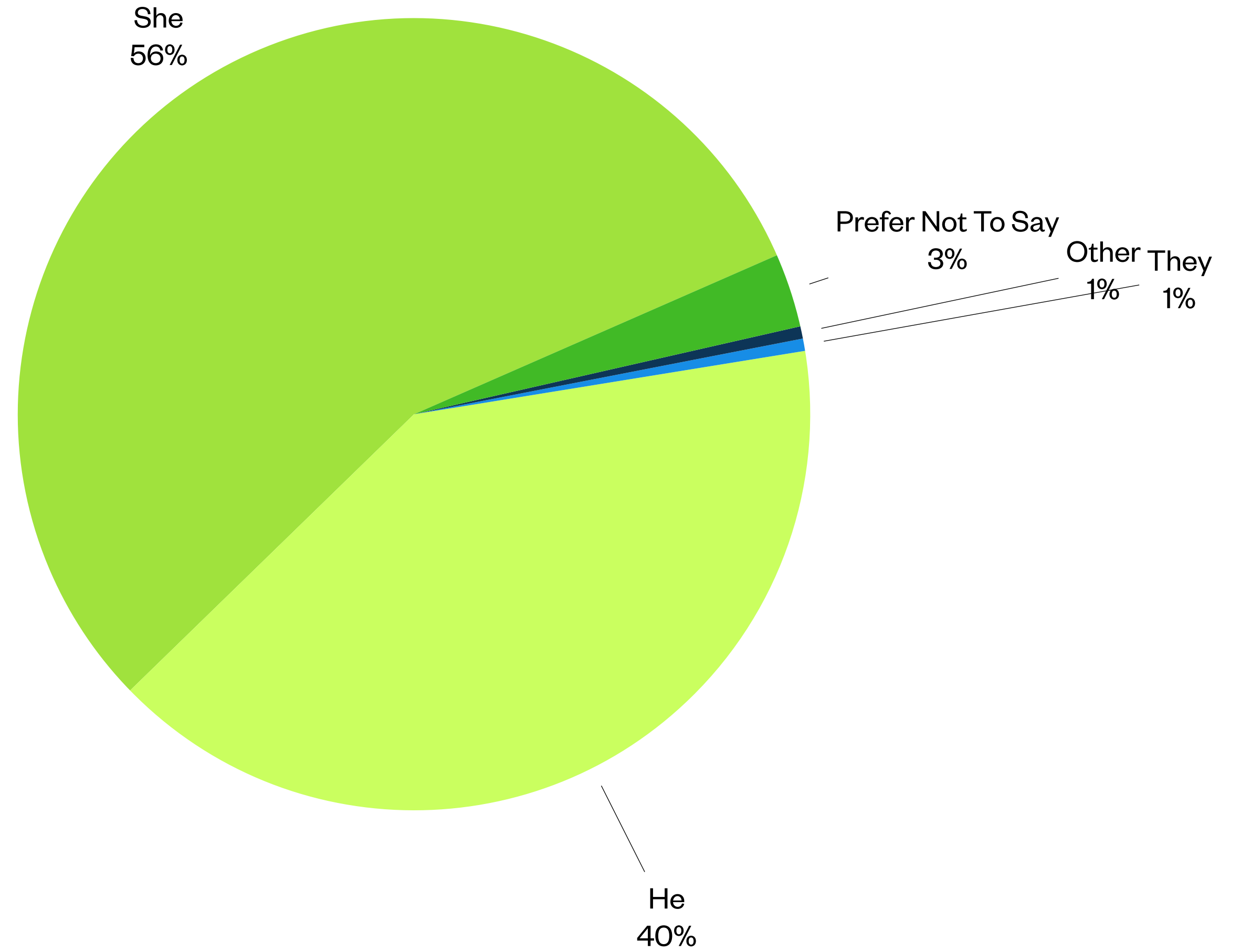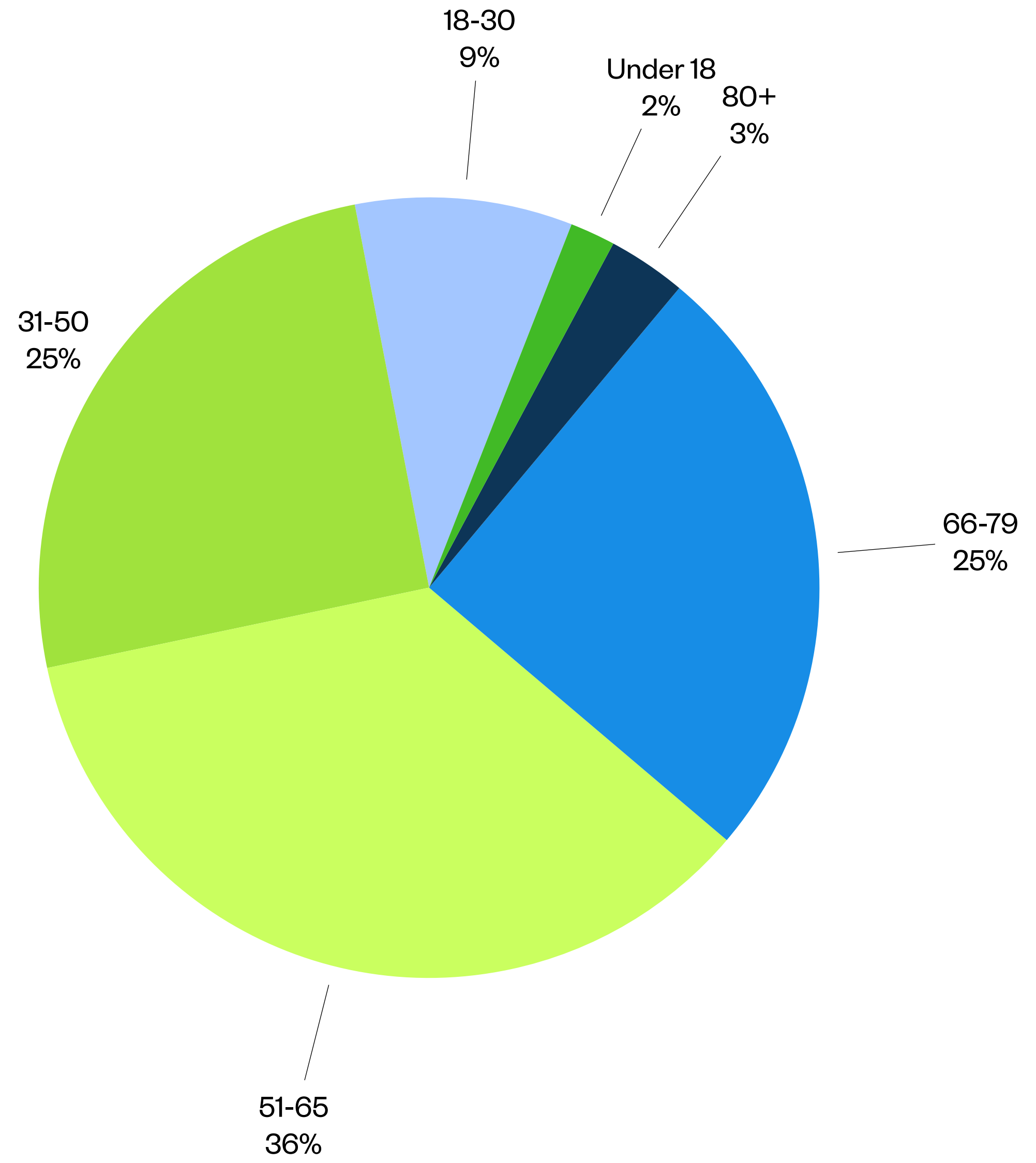

How often do you recycle?

Demographics

Gender Pronoun

She
56%

Prefer Not To Say
3%

Other
1%

They
1%

He
40%

Age

18-30
9%

Under 18
2%

80+
3%

31-50
25%

66-79
25%

51-65
36%

Which municipality do you live in?

Perth East
7%

North Perth
14%

Perth South
6%

West Perth
6%

St. Marys
8%

Stratford
58%
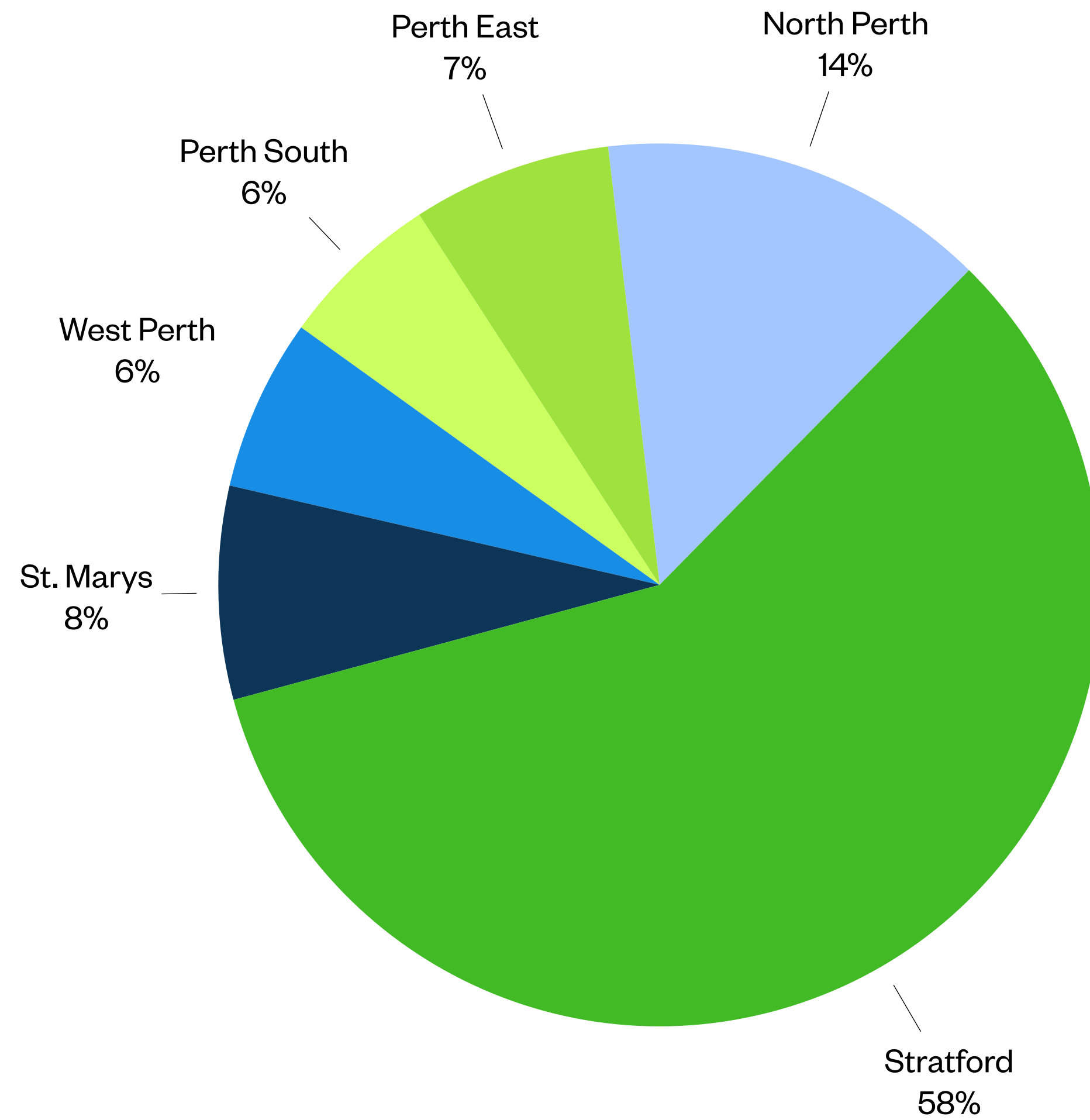
How worried are you about climate changes?
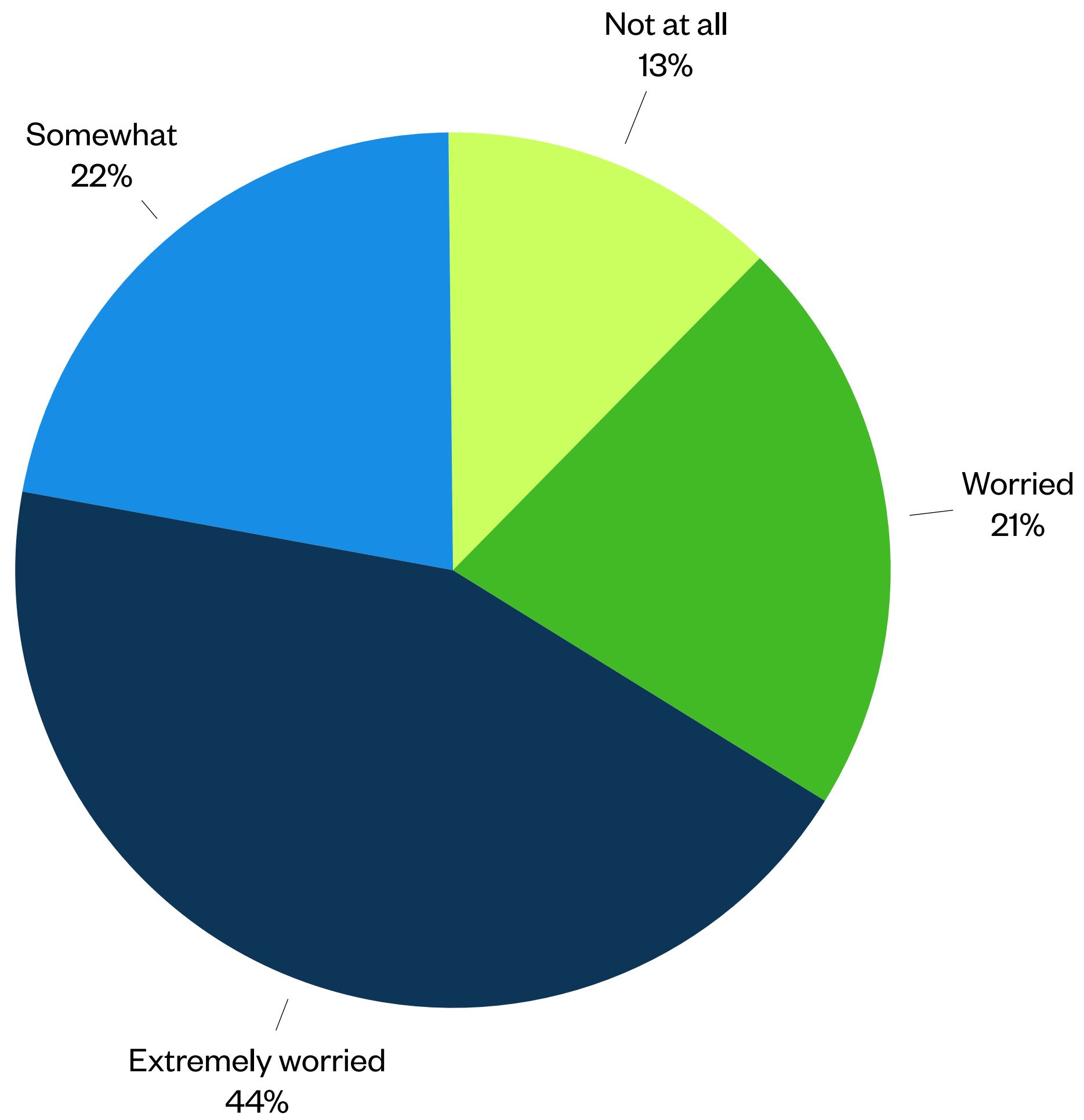
What worries you the most about climate change?*

Ocean acidification
10%

Flooding
11%

I'm not that worried
4%

Not knowing what is going to happen
7%

Poltical/economic instability
12%

Wild weather/storms
17%

Forest fires
11%

Health issues
14%

Drought
14%

27
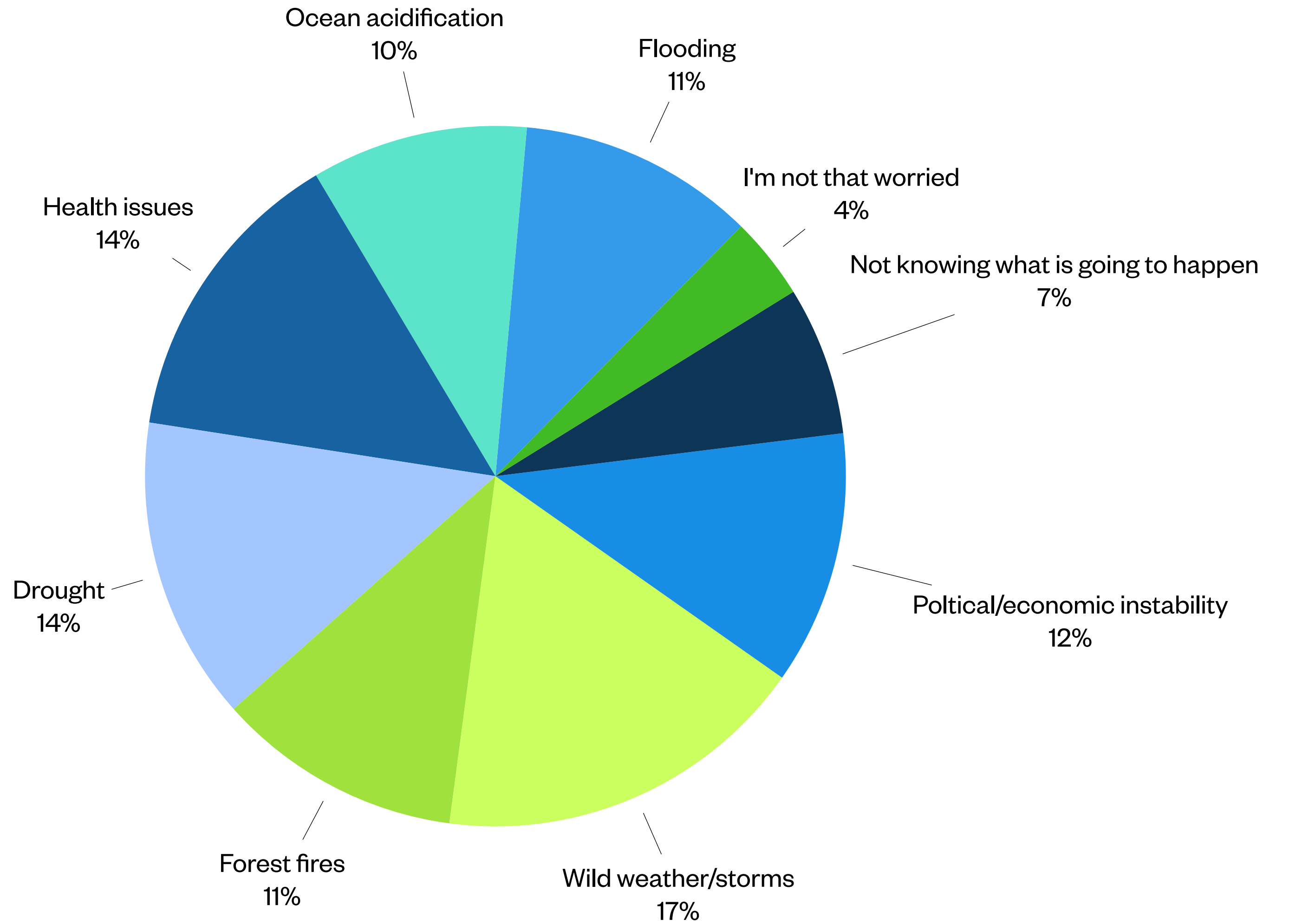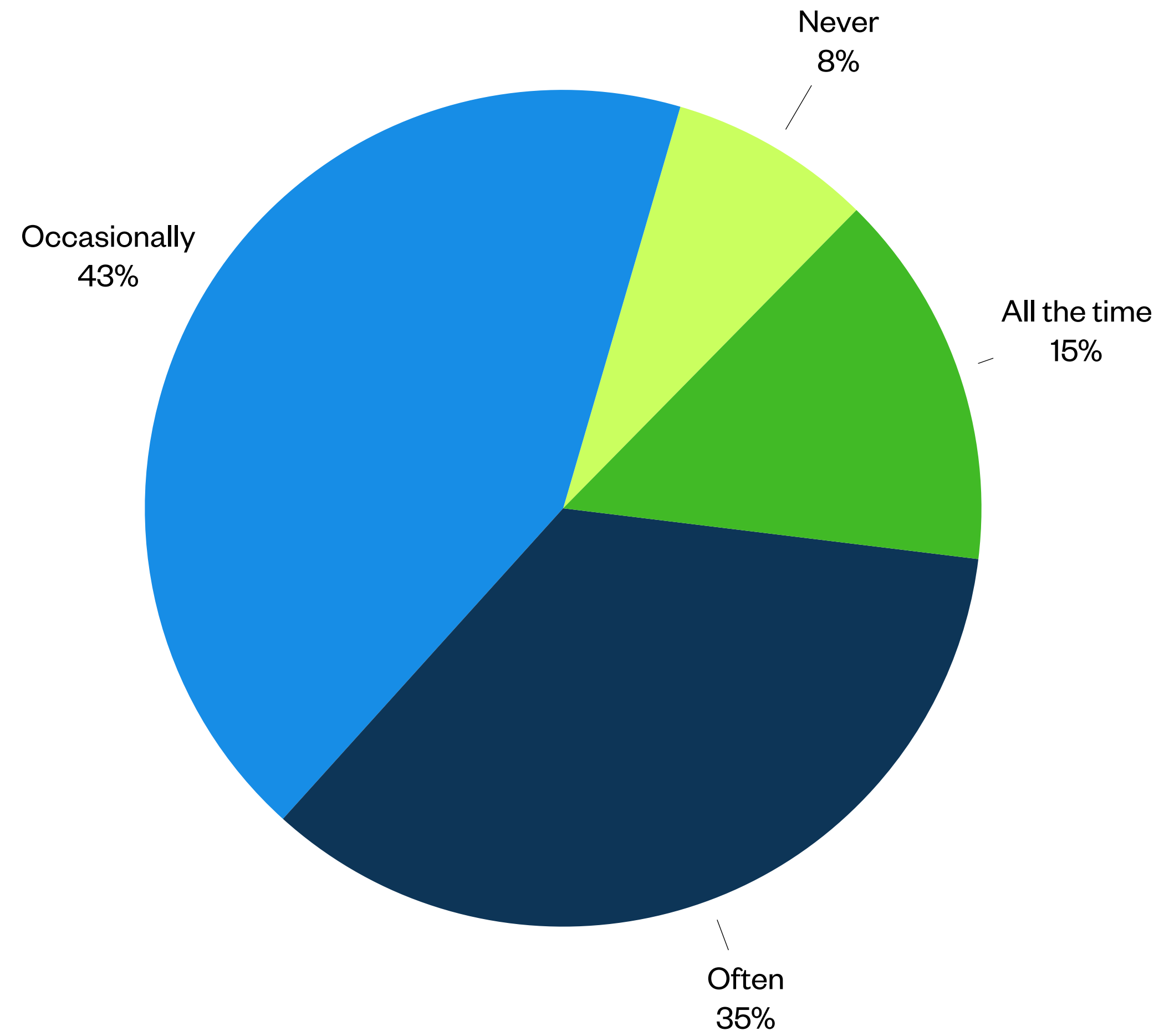
*respondents were asked to pick up to 5 options.

How often do you talk to your friends and family about climate change?

Never
8%

Occasionally
43%

All the time
15%

Often
35%

ETHELO

Thank you!