



**CAMBRIDGESHIRE  
& PETERBOROUGH**  
COMBINED AUTHORITY

# Electric Vehicles and Charging Point Survey

09/04/2024



## Version History

Revision Number	Revision Date	Nature of Revision	Checked by	Reviewed by	Approved by
1	09/04/2024	Draft	EW	TB	

## Introduction

The Electric Vehicles and Charging Infrastructure survey went out for engagement between 12th February 2024 and 27th March 2024. The survey aimed to collate the views on the future of electric vehicles (EVs) and how best to meet the demand for more charging points in Cambridgeshire and Peterborough. Overall, there was 631 responses were received.

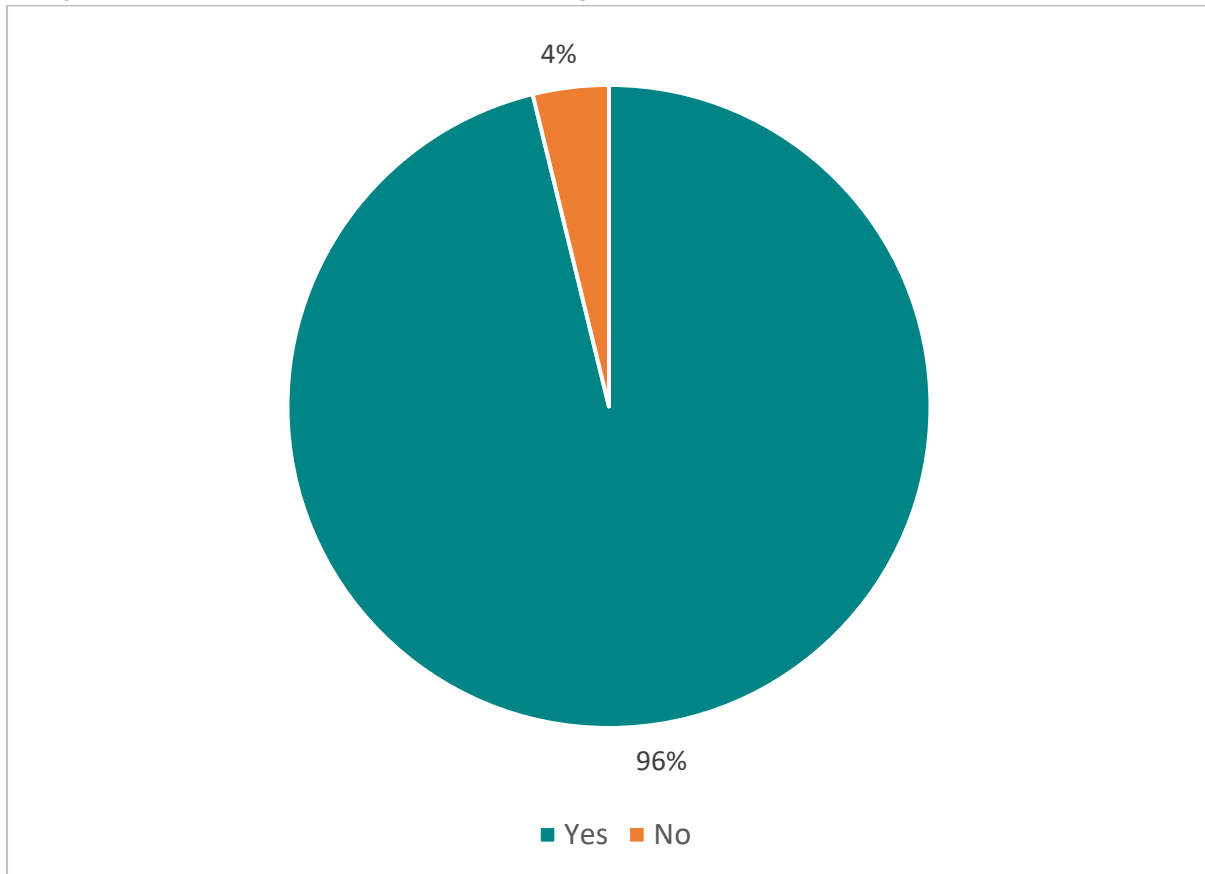
## Engagement Results

### Age of Respondents

Overall, 630 people answered this question. The majority of respondents were aged 35 years old plus with the majority age group aged 65 or over.

Age	Response (Age)
18-24	1%
25-34	9%
35-44	19%
45-54	23%
55-64	21%
65 and over	26%

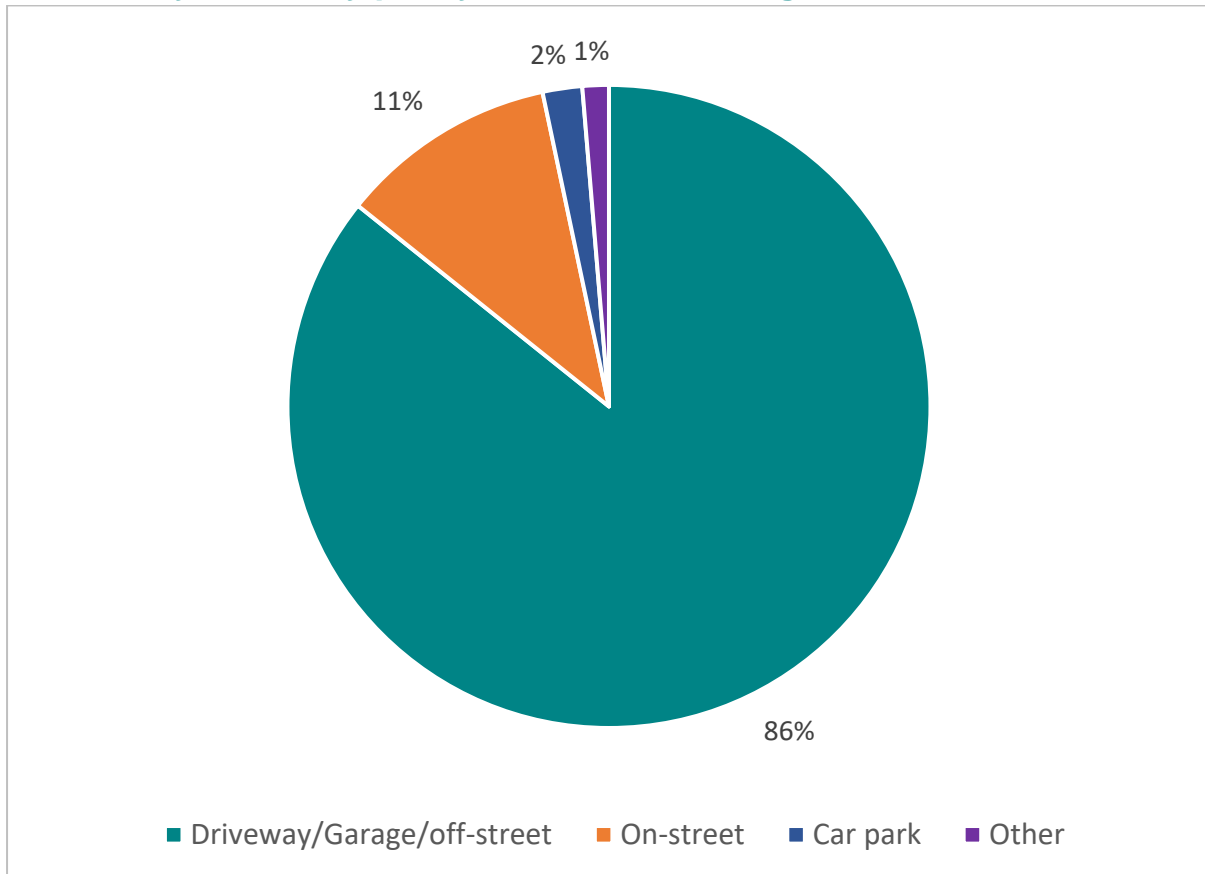
### Do you have use of a car or van at your address?



Overall, 629 respondents answered this question, of which 96% (605<sup>1</sup>) have use of a car or van at their address.

<sup>1</sup> Number of respondents

### Where do you usually park your car/van overnight?

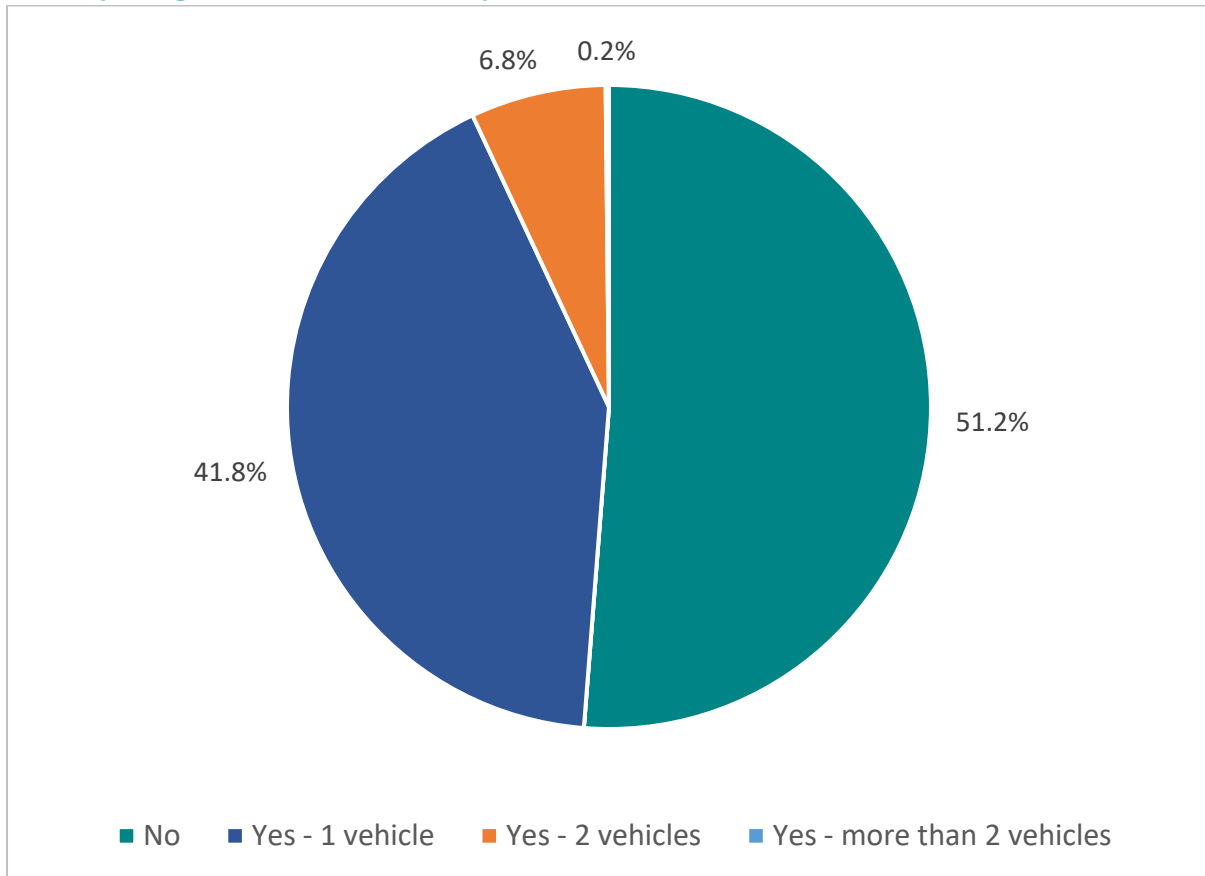


Overall, 603 respondents answered this question, of which 86% (517) park their car / van overnight on a driveway / garage / off street. 11% (66) park their car / van overnight on-street and 2% (12) park overnight in a car park. 1% (8) selected other and these locations included:

- Allocated parking space (1);
- Layby (1);
- Parking area (1);
- Grass verge near house (1);
- Front of gate (1);
- Private parking area / spot (2);
- Communal car park (1)



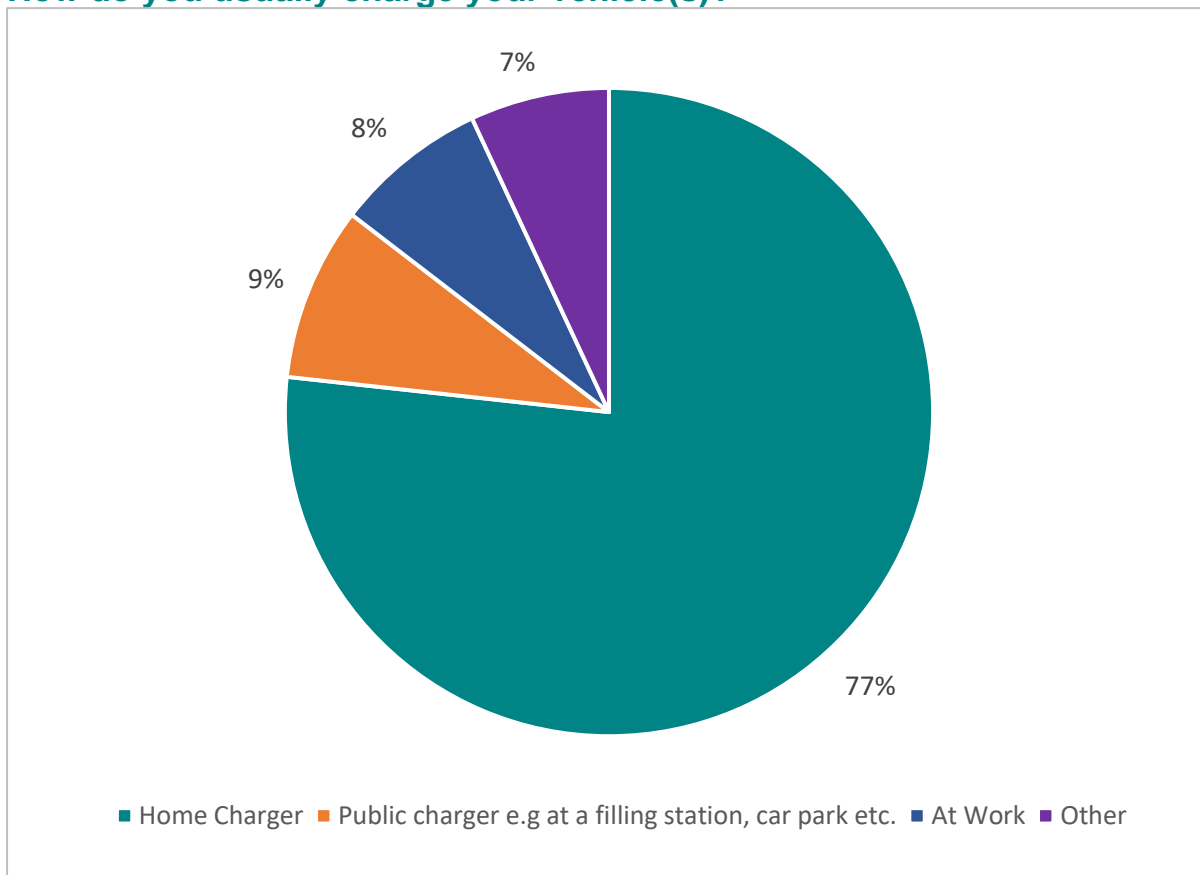
### Have you got an electric or hybrid vehicle?



In total, 603 respondents answered this question. 51.2% (309) answered No they have not got an electric or hybrid vehicle whereas 48.8% answered yes. The majority that answered yes have 1 electric or hybrid vehicle (252 – 41.8%).



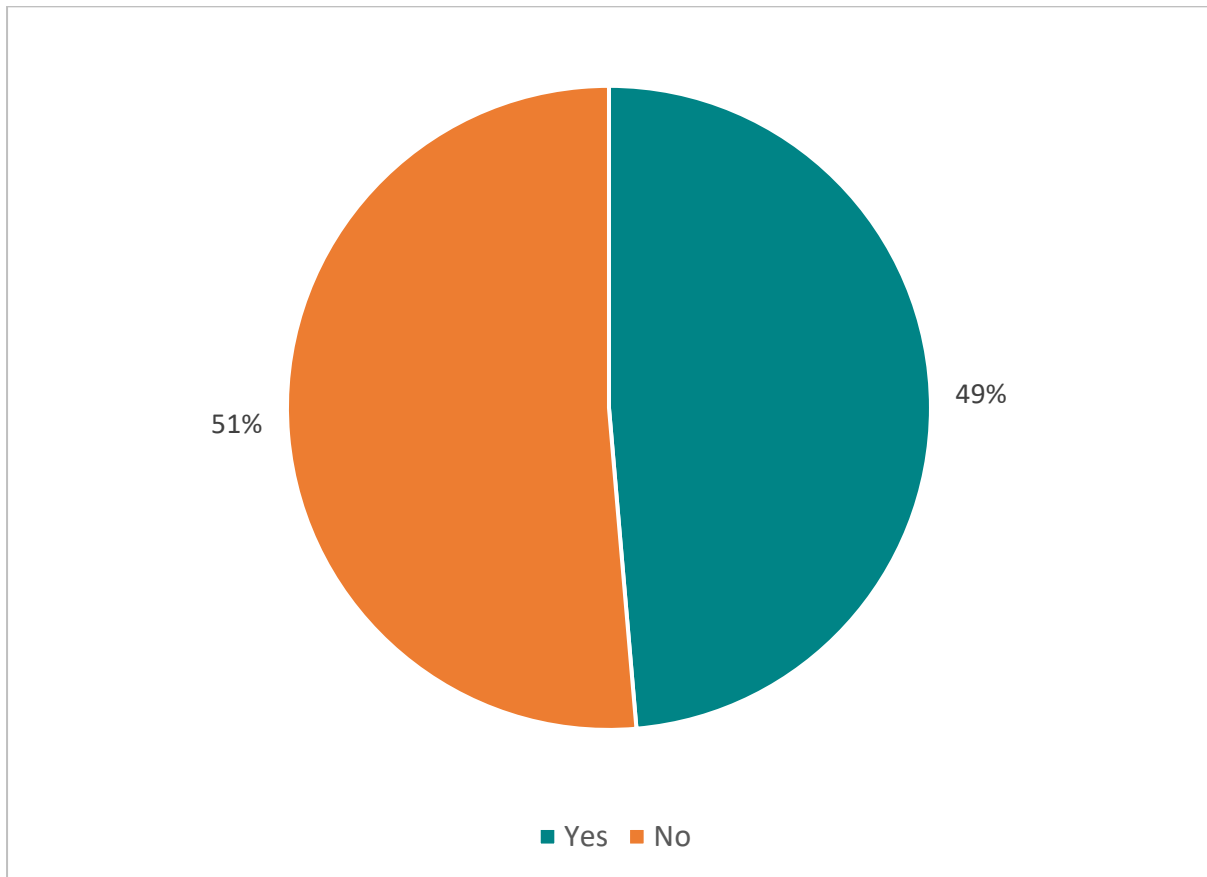
### How do you usually charge your vehicle(s)?



In total 228 respondents answered this question. In summary, the majority of people 77% (221) usually charge their vehicle(s) with a home charger. 9% (25) and 8% (22) usually charge their vehicle(s) with a public charger or at work. 7% (20) selected other and these included:

- Hybrid cars – self charging (12)
- 3 pin plug (4)
- Home/Work/Public – travel for work (2)
- Tesla supercharger
- Friend nearby (1)

### Are you thinking about getting another electric or plug-in hybrid vehicle?

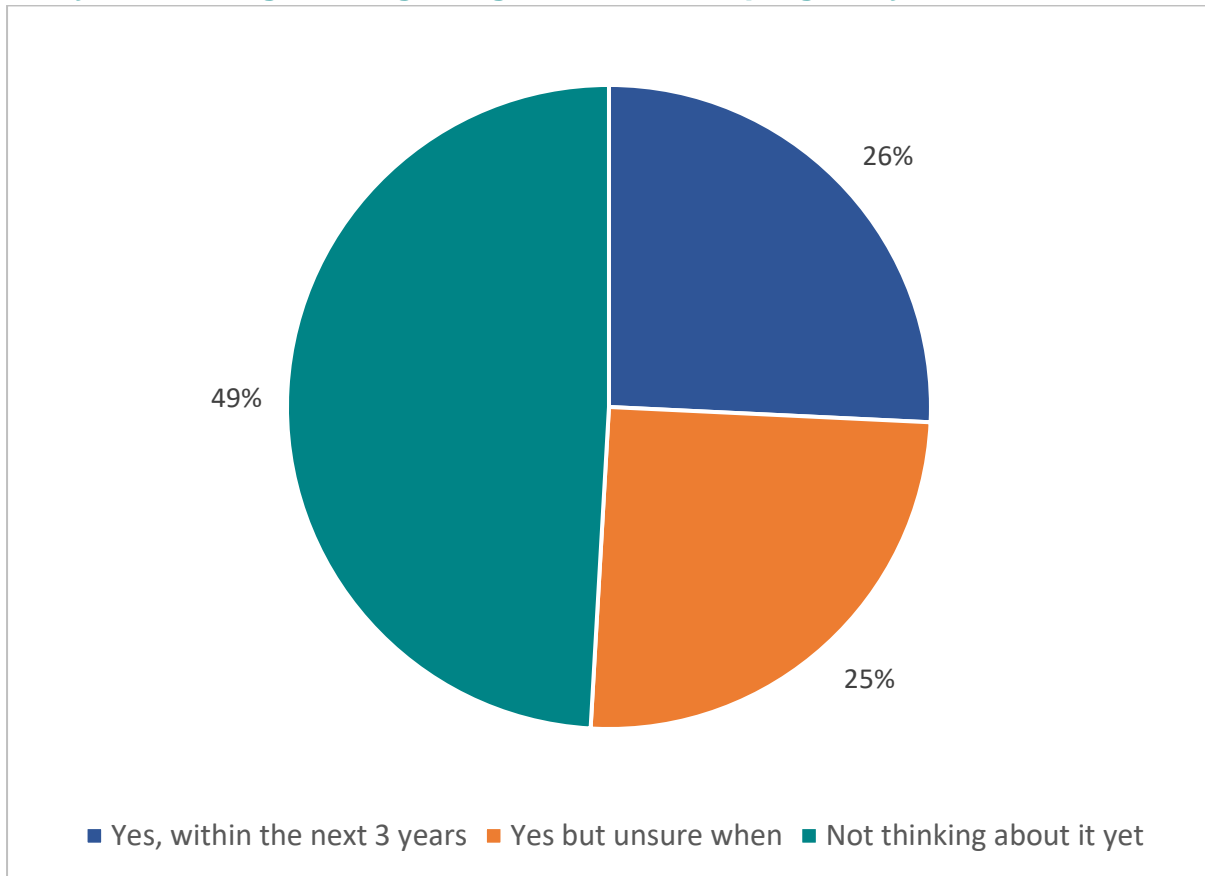


In total, 294 respondents answered this question. In summary, it was a relatively equal split to whether people were thinking about getting another electric or plug-in hybrid with 49% (143) answering yes and 51% (151) answering no.



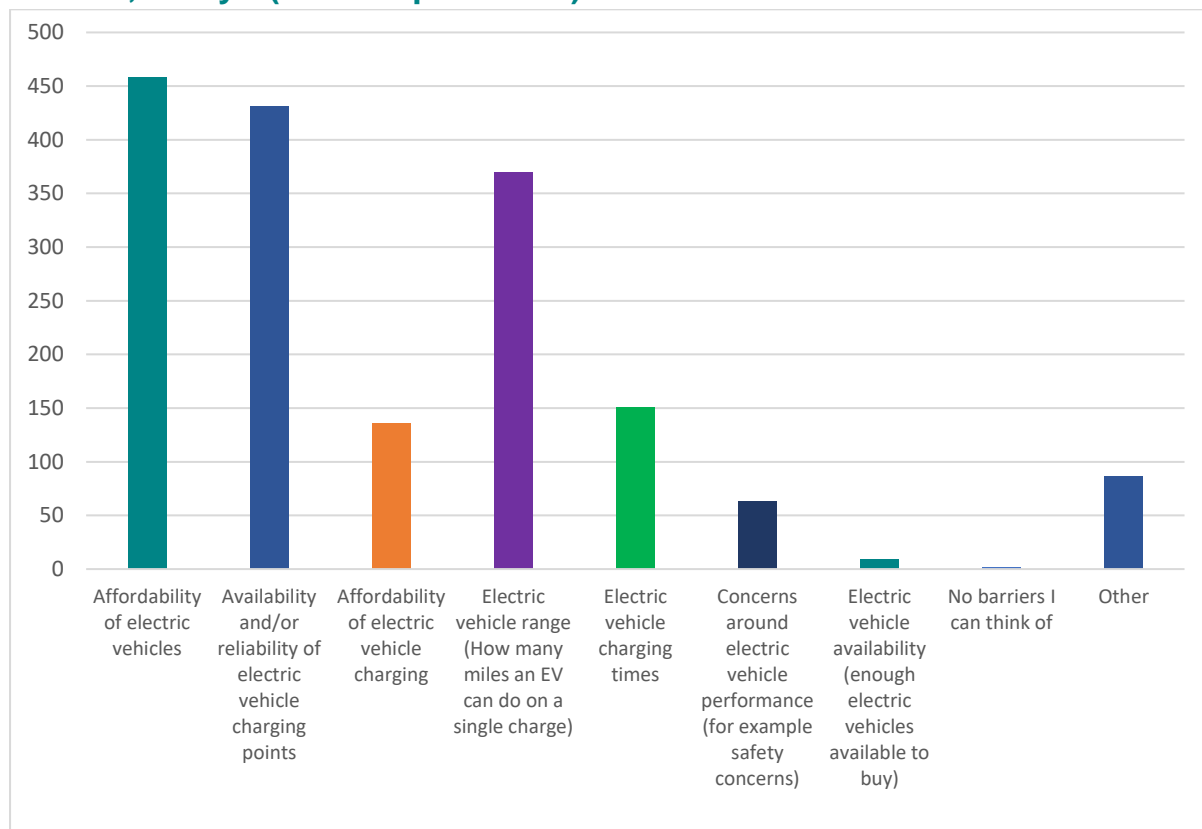


### Are you thinking about getting an electric or plug in hybrid vehicle?



In total, 330 respondents answered this question. In summary, 26% (85) people are thinking yes to getting an electric or plug in hybrid within the next 3 years, 24% (83) people responded yes but unsure when and 49% (162) people responded not thinking about it yet.

### What do you think are the barriers to people switching to an electric vehicle, if any? (Select up to three)



Respondents were able to select up to three barriers they think stop people switching to an electric vehicle. The three highest selected for were:

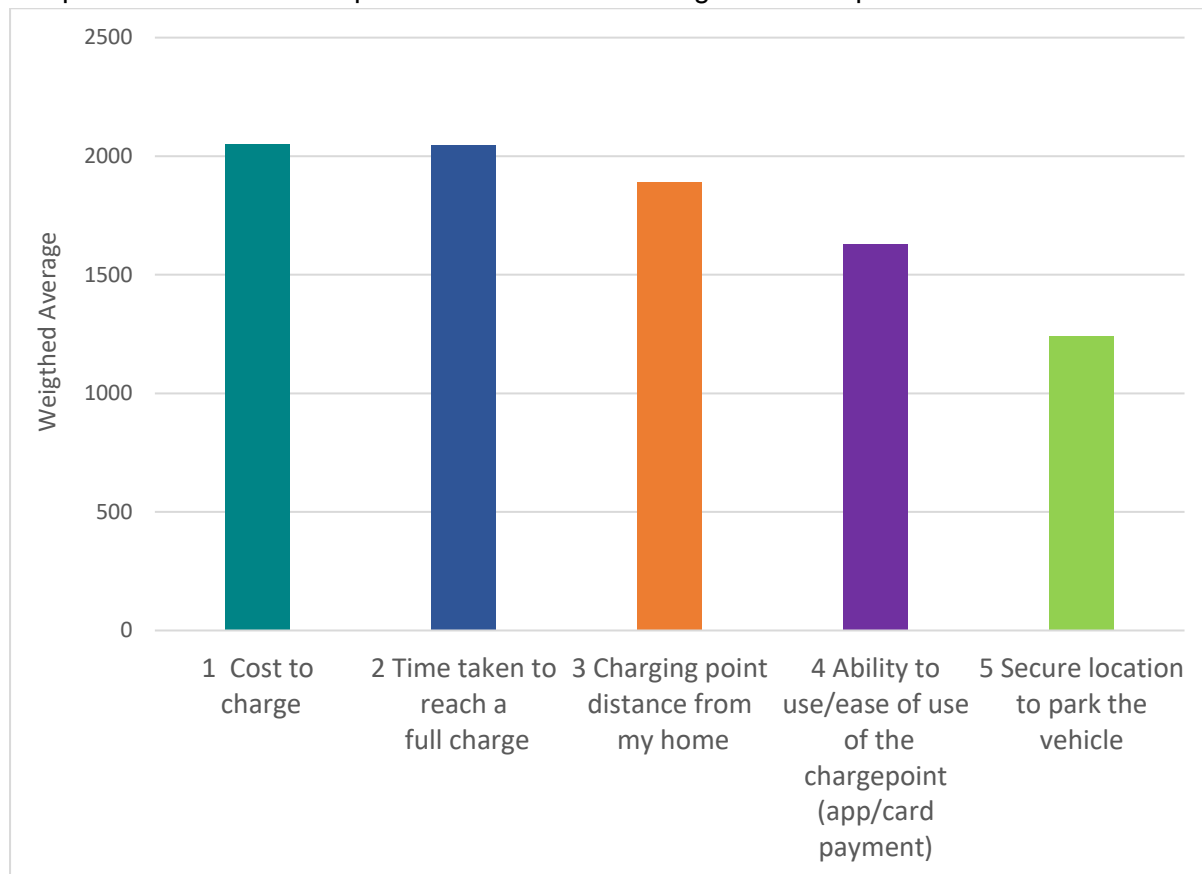
- 1) Affordability of electric vehicles (458)
- 2) Availability and/or reliability of electric vehicle charging points (431)
- 3) Electric vehicle range (How many miles an EV can do on a single charge) (370)

A number of people also selected “other”, and summary of reasons include:

- Environmental impact (not fully understood/batteries);
- Resale and battery guarantees; and
- Home charging not possible for people with on-street parking.

**What is/would be most important to you when it comes to electric vehicle charging? Please rank 1-5 using the up and down arrows (1 most important 5 least important)**

Respondents ranked the options 1 – 5 and the average of each option has been collated.

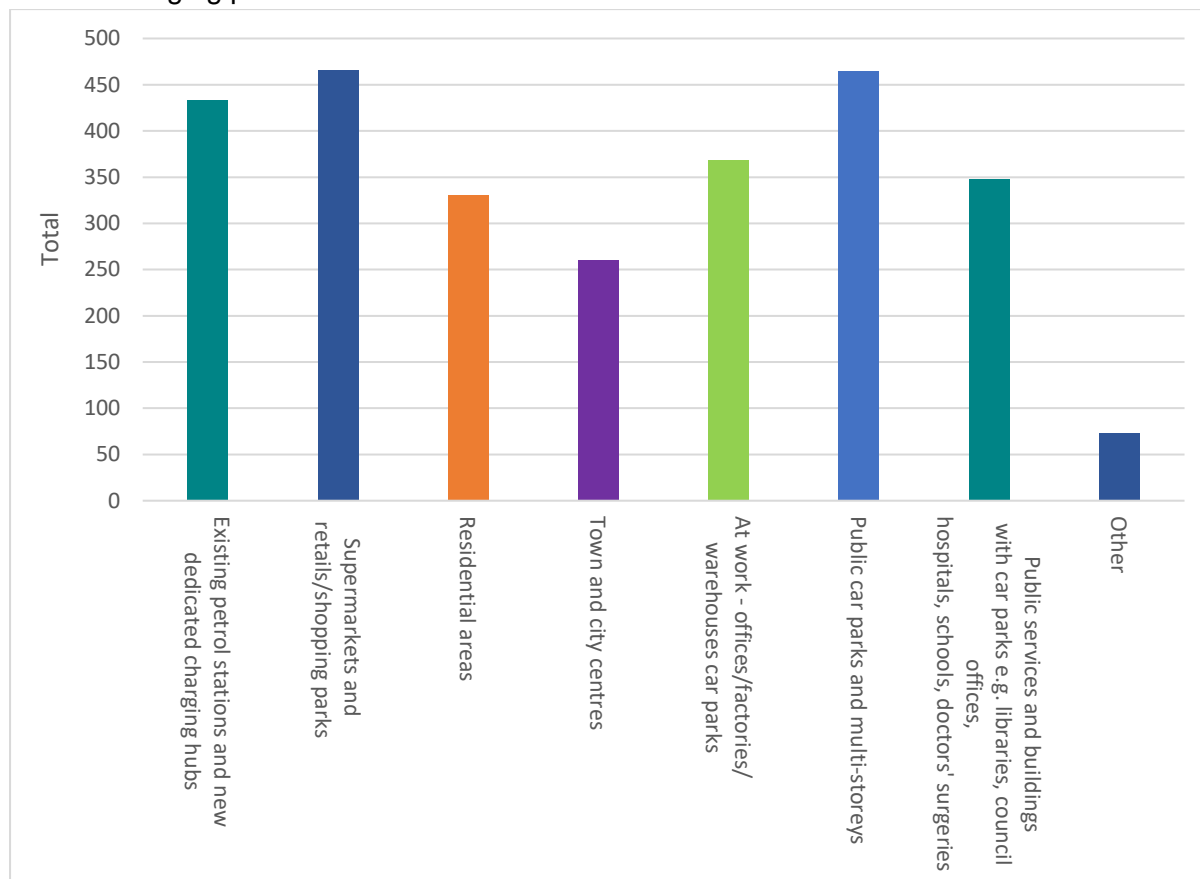


The options are ranked below from most important to least important when it comes to electric vehicle charging:

- 1) Cost to Charge
- 2) Time taken to reach a full charge
- 3) Charging point distance from my home
- 4) Ability to use/ease of use of the charge point (app/card payment)
- 5) Secure location to park the vehicle

### What kinds of locations would you prefer to see more electric vehicle charging points? Select all that apply.

Respondents were asked to select all locations that they would prefer to see more electric vehicle charging points.



The ranking of location from highest to lowest selected is shown below as totals:

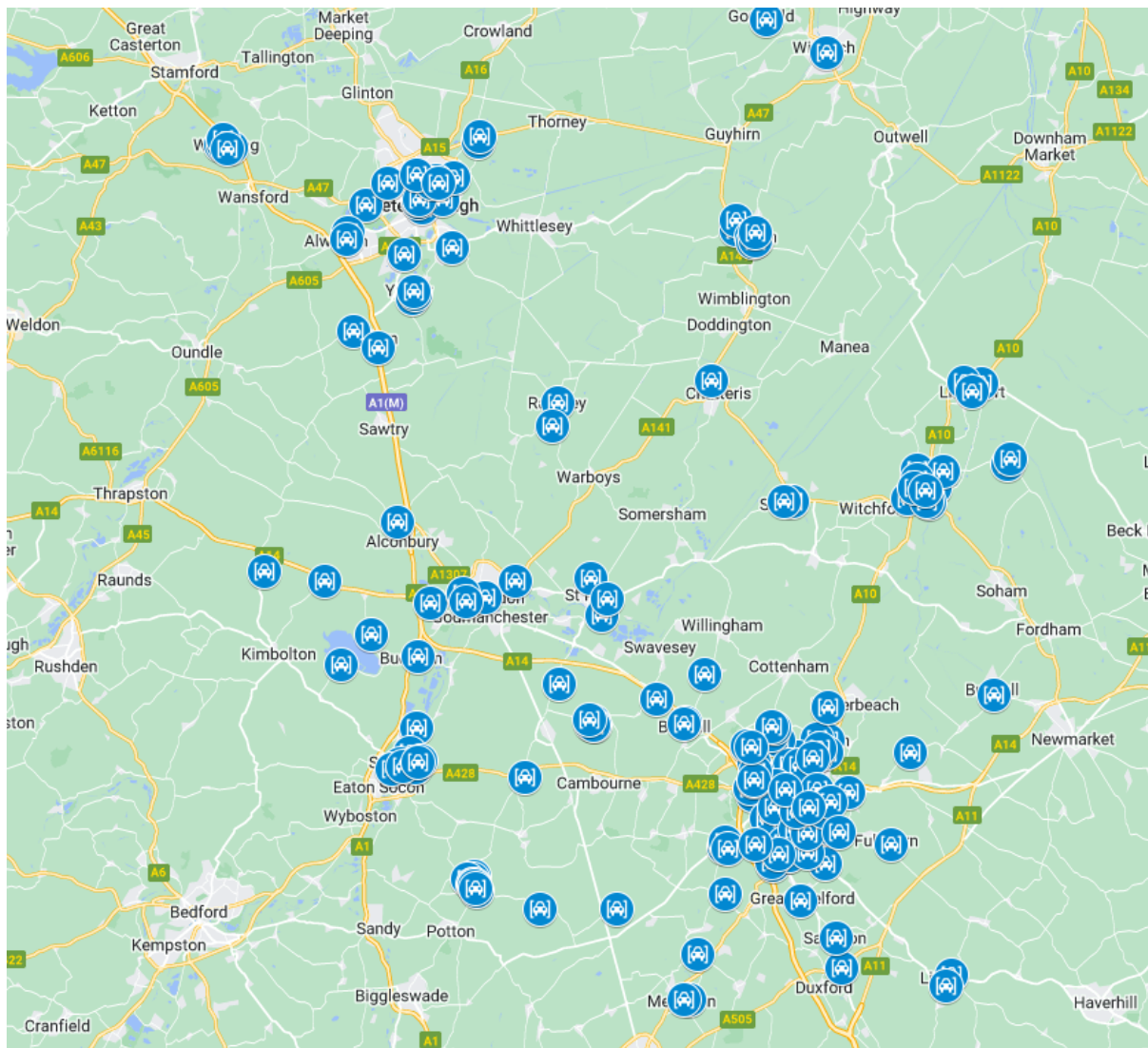
Rank	Location	Total
1	Supermarkets and retails/shopping parks	466
2	Public car parks and multi-storeys	464
3	Existing petrol stations and new dedicated charging hubs	433
4	At work - offices/factories/ warehouses car parks	368
5	Public services and buildings with car parks e.g., libraries, council offices, hospitals, schools, doctors' surgeries	348
6	Residential areas	330
7	Town and city centres	260
8	Other	73

In terms of other, locations include:

- Park and Rides
- Leisure facilities/attractions
- Tourist attractions
- Countryside parks
- Airports
- Rail stations
- Community buildings / centres village-halls
- Garage-blocks
- Motorway-areas
- Sheltered accommodation/care homes
- Hotels / Guesthouses

**What kinds of locations would you prefer to see more electric vehicle charging points? Select all that apply.**

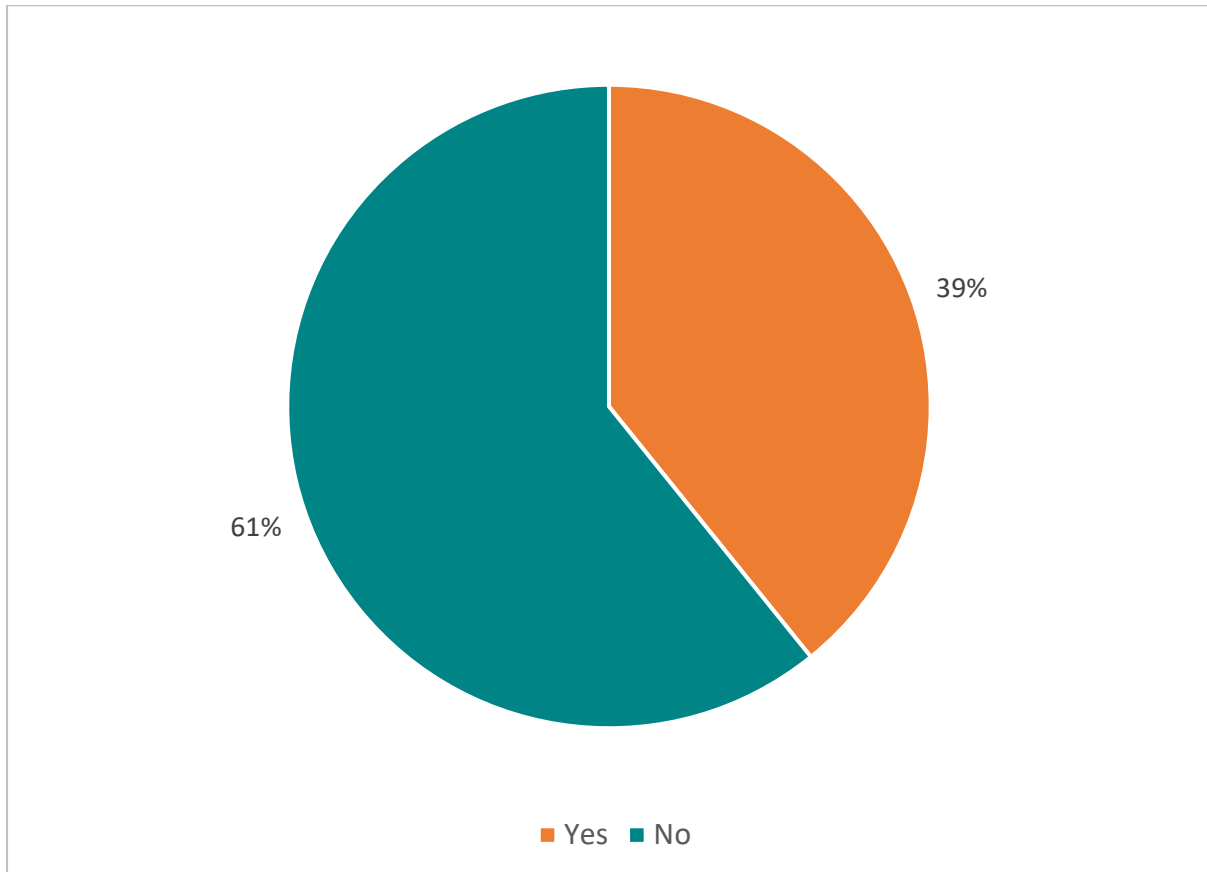
324 responses were received about kinds of location people would prefer to see more electric vehicle charging points. Detailed locations and postcodes are shown below.



More general locations include:

Locations		Places
Shopping Centres	Shared development / flats	Cambourne
Town Centre Car Parks	Coffee shops	Cambridge centre
Car Parks	Doctors	CB4
Petrol Stations	Guided bus car park	Chatteris
Rural area - each village needs minimum	Hospitals	Duxford
New Roads	Hotels	Elsworth
Libraries	School	Ely
Park and Rides	Super markets	Fenland
Strategic Road Network	Tourist Locations	Hampton
Leisure Facilities	Town / City Centres	Huntingdon
Churches	Rail Station	Ramsey
New residential areas / developments	Universities	Sutton, East
Residential areas	Village Halls	Camb
		Wisbech

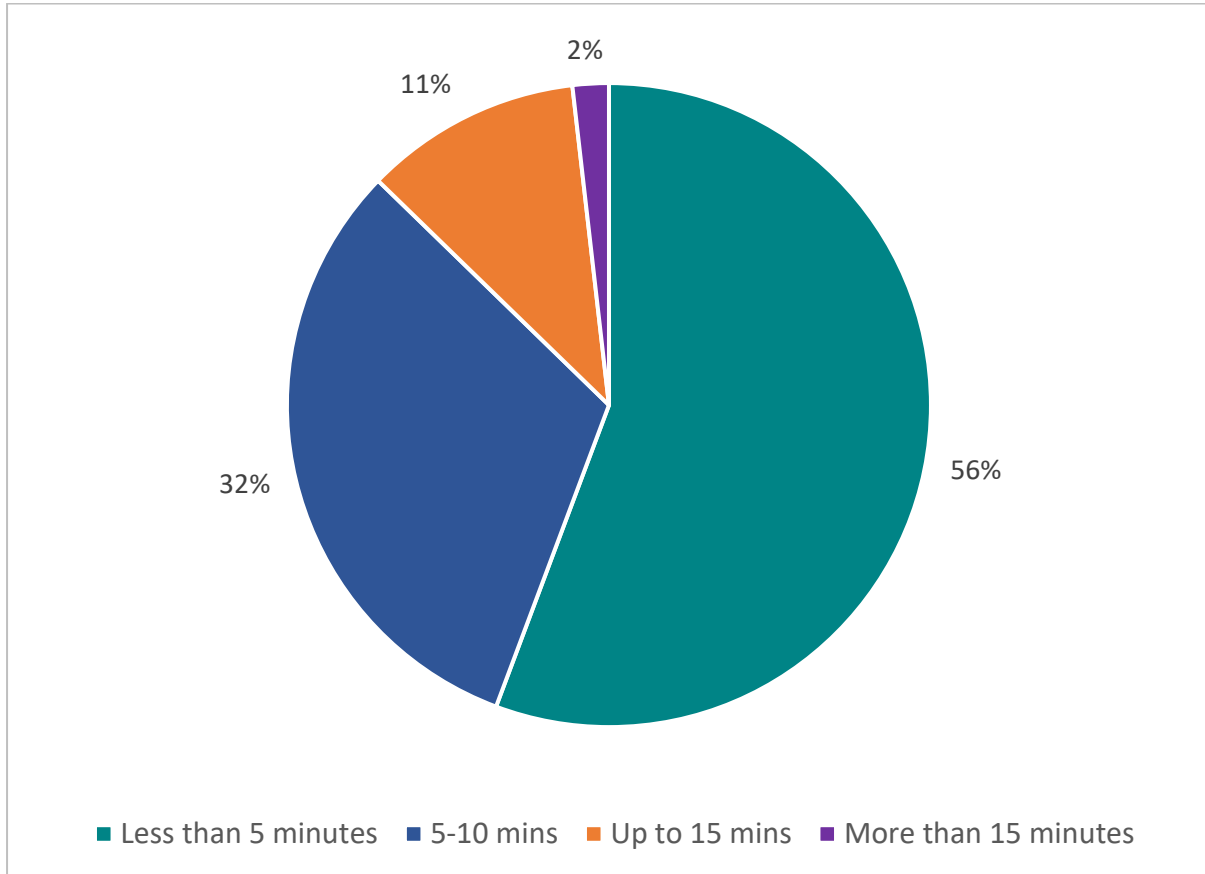
Whether you own an electric car or not, if you do not have access to a driveway/garage, would you be willing to leave your electric car for a long period (8 hours/overnight) at a local electric vehicle charging point to charge?



In total, 597 respondents answered this question. In summary, 39% (234) people said yes, they would be willing to leave an electric car for a long period (8 hours/overnight) at a local electric vehicle charging point to charge, and 31% (363) answered no.



### How far would you be willing to walk to get to an electric vehicle charging point from your home?



In total, 605 respondents answered this question. In summary, 56% (337) people said they would be willing to walk less than 5 minutes to an electric charge point, 32% (11) willing to walk 5 to 10 minutes, 11% (66) willing to walk up to 15 minutes and only 2% (11) willing to walk more than 15 minutes.



## Would you like to see more electric vehicle charge points being installed where you live? Do you have any concerns about more charging points being put in?

In summary, 465 respondents answered this question. 271 people commented yes, they would like to see more electric vehicle charge points being installed, 40 commented no and 165 did not comment.

Concerns highlighted about more charging points being put in include:

- Grid Capacity
- Accessibility
  - Trailing cables
  - Clutter on pavements – blocking pavements
    - Active travel
  - Disability access
  - Enough for demand
  - Affordability / costs
  - Parking spaced blocked
  - Causing congestion
  - Guaranteed access to charging parking space
  - Unnecessary infrastructure
  - Location / visual – not outside my house – needs to be correct location
  - One app – contactless payment
- Safety – Fire – chargepoints and EV vehicles
- Maintenance and repair of charge points – will they be kept in working order
- EV vehicles – security and safety
- Future fuels – hydrogen fuel
- Type of chargers installed

## Do you have any other comments/suggestions about electric vehicles or electric vehicle charging infrastructure?

In summary, 384 respondents answered this question. Comments were received both for and against EVs and were similar to the previous question about concerns and include:

- Grid Capacity issues
- Focus on Electric Vehicles
  - Not encouraging more cars - focus should be on reducing car usage
  - Active travel focus
  - Public transport focus
- Accessibility
  - Not enough chargers available at present to allow switch to EVs – speed up delivery
  - Trailing cables
  - Active travel
  - Trailing cables
  - Parking spaces blocked / causing congestion
  - Guaranteed charging space - people in spaces when not charging, disables spaces
  - Clutter on pavements – blocking pavements
    - Active travel
  - One app, contactless payments
  - Needs to be fully accessible
- Gully and lap post charging requests
- Affordability / cost of charging
- Location - visual - not outside my house, needs to be correct location
- Prioritise car clubs
- Locations include on all new developments
- Type of chargers – more faster chargers
- Safety of charge points and Ev cars left (fire)
- Maintenance and repair
  - Need to be in working order and reliable
- EV cars – reliability, security, safety and affordability
- Battery disposal
- Future – Not EVs – Hydrogen, Solar, local Grid capacity and new technologies
- National infrastructure not just in Combined Authority area - need national policy, need network of chargers - needs to be co ordinated by central government and highways
- How is this all funded
- Public information about EVs and EV charging needs to improve.

## Next steps

The next steps to the electric vehicle work include:

- Results of public engagement survey contributed towards the CAMBRIDGESHIRE AND PETERBOROUGH ELECTRIC VEHICLE INFRASTRUCTURE STRATEGY
- Work towards the Local Electric Vehicle Infrastructure (LEVI) fund business case due in the summer in collaboration with Cambridgeshire County council and Peterborough City Council. More information on LEVI can be found here: [Local electric vehicle infrastructure fund - Energy Saving Trust](#)