

# Electric Vehicle (EV) Strategy 2022-2027 Consultation: Summary Report

Dec 2022



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## Executive Summary

The aim of the survey was to gain feedback from residents and organisations across Blackpool to understand views on Blackpool Council’s draft Electric Vehicle Strategy, intended to address Blackpool’s approach to preparing for the UK government’s ban on the sale of new petrol and diesel cars in 2030, and hybrid vehicles from 2035. The Strategy sets out how the council will ensure that there are enough charge points provided to meet demand in the next 5 years. The consultation provided information on principles covered in the strategy, and explained the charging provision needs in Blackpool, before asking respondents for their views.

A survey was made available online and made available in paper copy in public-facing Council buildings (i.e. libraries, children and family centres, and the customer service point at Municipal Buildings). Overall, **82** survey responses were captured from individuals and people representing organisations.

### Tables of key percentages:

| Potential principals of the strategy: How important is ... to you/your family and you/or your community? | % agree very or quite important |
|----------------------------------------------------------------------------------------------------------|---------------------------------|
| Mode shift                                                                                               | 51.2%                           |
| Accessibility                                                                                            | 80.5%                           |
| Inclusion                                                                                                | 80%                             |
| Affordability                                                                                            | 88%                             |
| Reliability                                                                                              | 91%                             |
| Ease of use                                                                                              | 88%                             |

| Which of the locations below do you think would benefit from additional EV charge points? | % agree strongly or agree |
|-------------------------------------------------------------------------------------------|---------------------------|
| Promenade                                                                                 | 56%                       |
| Council Owed Car Parks                                                                    | 89%                       |
| Private car parks                                                                         | 82%                       |
| Businesses including hotels                                                               | 89%                       |
| Visitor Attractions                                                                       | 82%                       |
| Leisure Venues                                                                            | 84%                       |

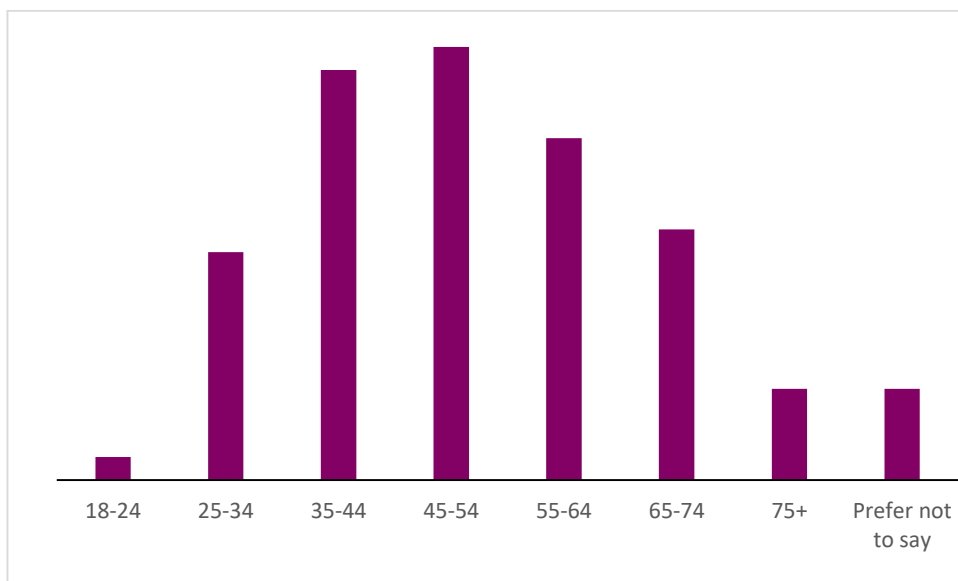
|                                        |     |
|----------------------------------------|-----|
| <b>Supermarkets</b>                    | 86% |
| <b>Residential streets</b>             | 79% |
| <b>Streets with retails facilities</b> | 76% |

## Introduction

The survey ran for eight weeks across October to December 2022. In addition to the online survey, paper copies were also made available in public facing council buildings. The survey was publicised using Councils social media as well as community locations, such as libraries, or municipal buildings.

### Who responded?

In total **82 people** responded to the survey. 76 responses to the survey were carried out online, while the rest came by post. 69 respondents identified as residents of Blackpool. The majority of respondents were over the age of 45 years old (Fig 1).



**Figure 1.** Age of the respondents.

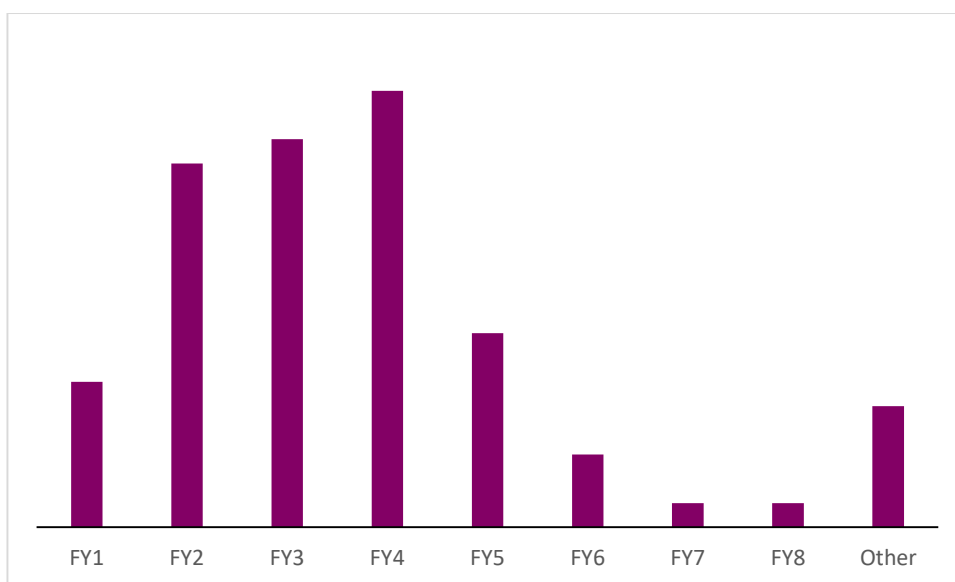
There were 35 female, 41 male and one non-binary respondents. 3 respondents 'prefer to self-describe' their gender and the remainder preferred not to state their gender.

71 respondents identified as White, which included English/Welsh/Scottish/Northern Irish/British Irish, Gypsy or Irish Traveller or any other white background. 1 respondent identified as Mixed/Multiple Ethnic Groups. 0 respondents identified as Asian/Asian British, which included Indian, Pakistani, Bangladeshi, Chinese, and any other Asian background. 0

respondents identified as Black/African/Caribbean/Black British which included African Caribbean and any other Black/African/Caribbean background, and 9 preferred not to disclose their ethnicity.

18 respondents identified as having a long standing illness or disability that limited their activity (5 stated they were limited by a lot and 13 stated they were limited by a little).

73 respondents gave their postcode information and the majority of respondents were residents of Blackpool or immediate vicinity from areas of postcodes FY1-FY5 (Fig 2).



**Figure 2.** Postcodes of respondents

### **FBEV/PHEV ownership among respondents**

42% (35) of respondents owned or leased at least one BEV or PHEV vehicle at the time of responding to the survey. 9 respondents planned to purchase or lease at least one BEV or PHEV in the next 12 months and 37 didn't plan to purchase or lease BEV or PHEV in the next 12 months.

# Results

## Key Principles

The council has developed the strategy with six main principles in mind. These principles are:

**Mode shift** - acknowledging that walking, cycling and public transport are preferred means of travel instead of a car

**Accessibility** – Ensuring that charging infrastructure is accessible and does not impede access to the footway, including wheelchair users, the visually impaired and people with pushchairs

**Inclusion and affordability** – meeting the needs of all users and ensuring that the transition to EVs is not biased towards wealthier drivers and areas. This includes providing affordable charging solutions, particularly for residents without off-street parking

**Reliability and ease of use** – the vision is for reliable network of charge points, which are easy to identify and provide and easy-to-use payment mechanism

### *How important is **mode shift** to you/your family and you/or your community?*

The respondents were found to be broadly supportive of mode shift and majority found this principle to be important, however it attracted less support than other principles. 51% (42) of respondents answered that mode shift is important to them (either by answering 'very important' or 'quite important'), 22 respondents thought mode shift was not important (either by answering 'quite unimportant' or 'very unimportant'), 17 respondents thought it was 'neither important nor unimportant' and 1 respondent didn't know/wasn't sure.

### *How important is **accessibility** to you/your family and you/or your community?*

The respondents were found to be supportive of this principle. 80% (66) of respondents answered that accessibility is important to them (either by answering 'very important' or 'quite important'), 8 respondents thought accessibility was not important (either by answering 'quite unimportant' or 'very unimportant'), 8 respondents thought it was 'neither important nor unimportant'.

*How important is **inclusion** to you/your family and you/or your community?*

The respondents were found to be supportive of this principle. 80% (66) of respondents answered that inclusion is important to them (either by answering 'very important' or 'quite important'), 10 respondents thought inclusion was not important (either by answering 'quite unimportant or 'very unimportant'), 6 respondents thought it was 'neither important nor unimportant'.

*How important is **affordability** to you/your family and you/or your community?*

The respondents were found to be supportive of this principle. 88% (73) of respondents answered that affordability is important to them (either by answering 'very important' or 'quite important'), 6 respondents thought affordability was not important (either by answering 'quite unimportant or 'very unimportant'), 4 respondents thought it was 'neither important nor unimportant'.

*How important is **reliability** to you/your family and you/or your community?*

The respondents were found to be particularly supportive of this principle. 91% (75) of respondents answered that reliability is important to them (either by answering 'very important' or 'quite important'), 4 respondents thought reliability was not important (either by answering 'quite unimportant or 'very unimportant'), 3 respondents thought it was 'neither important nor unimportant'.

*How important is **ease of use** to you/your family and you/or your community?*

The respondents were found to be supportive of this principle. 88% (72) of respondents answered that ease of use is important to them (either by answering 'very important' or 'quite important'), 5 respondents thought ease of use was not important (either by answering 'quite unimportant or 'very unimportant'), 5 respondents thought it was 'neither important nor unimportant'.

*Is there anything else that you think should be considered?*

24 comments identified other considerations. These have been categorised below and example comments highlighting the topic included for the most numerous:

| Comment Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number of Comments |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Investigating the demand</b><br>“A report or investigation to identify what level of vehicle use Blackpool residents have. For example, are residents commuters to out of town jobs, local work within a radius or 'runabouts' for shopping and supporting family within the town and local area. This will help understand the frequency residents will need to charge and rely on given infrastructure versus support at their residence. Consider that a distance commuter may charge everyday and a local resident with EV may only need to charge once in a longer period.” | 3                  |
| <b>Quality</b><br>“Caution when deciding on commercial charging partners. Some are better than others”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                  |
| <b>Need on-street parking options</b><br>“I live down a street where I have no drive way. I want to buy an electric car but been put off by the fact I might not be able to park outside me house to charge the car.”                                                                                                                                                                                                                                                                                                                                                               | 3                  |
| Affordability of vehicles and charging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                  |
| More chargepoints needed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                  |
| Grid capacity to charge vehicles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                  |
| Sustainability of EV and charging parts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                  |
| Include other modes including e-bikes and e-scooters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                  |
| Managing flow of vehicles through charge points / reduce hogging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                  |
| Off street options preferred                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                  |
| Improving signage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                  |
| Incentives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                  |

*Do you think that the council or private sector organisations should provide chargepoints in Blackpool?*

85% of respondents thought that both council and private sector should provide chargepoints in Blackpool, 9% thought that it should be provided by council only and 6% thought that it should be provided by private sector.

50 respondents explained their preferences, with the most significant number of comments focussing on the fact that there are not currently enough chargepoints in Blackpool:

| Comment Topic                                                                                                                                                                          | Number of Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>More Needed</b><br>“They need to be in as many places as possible to encourage EV ownership”                                                                                        | 8                  |
| <b>Keeping Profits in Blackpool</b><br>“Having private sector lead on this will only benefit the company and its shareholders due to having the sole market. Having council facilities | 6                  |

|                                                                                                                                                                                                                                                                                 |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| allows money to be earned for the council towards renewable energy and other services.”                                                                                                                                                                                         |   |
| <b>Regulating Access and Costs</b><br>“Council needs to provide support in areas less likely to attract private sector investors in providing charging solutions to ensure equitable access across the town, and provide affordable options that are not purely profit driven.” | 6 |
| Shared responsibility of public and private                                                                                                                                                                                                                                     | 4 |
| Cost                                                                                                                                                                                                                                                                            | 3 |
| Not to be funded through council taxes                                                                                                                                                                                                                                          | 3 |
| cost, good for business                                                                                                                                                                                                                                                         | 2 |
| council as model of good practice                                                                                                                                                                                                                                               | 2 |
| Good for business                                                                                                                                                                                                                                                               | 2 |
| Good for business, regulation for equity and access                                                                                                                                                                                                                             | 1 |
| Costs but more needed                                                                                                                                                                                                                                                           | 1 |
| Costs and maintaining quality                                                                                                                                                                                                                                                   | 1 |
| Regulatory role for council                                                                                                                                                                                                                                                     | 1 |
| Keeping profits in Blackpool, number of chargers                                                                                                                                                                                                                                | 1 |
| Locations need diversity                                                                                                                                                                                                                                                        | 1 |
| More needed, regulation for equity and access                                                                                                                                                                                                                                   | 1 |
| More needed, regulation for equity and access, good for business                                                                                                                                                                                                                | 1 |
| More transparency                                                                                                                                                                                                                                                               | 1 |
| Not a priority for council                                                                                                                                                                                                                                                      | 1 |
| Not a priority for council, good for business                                                                                                                                                                                                                                   | 1 |
| On street needed for residents                                                                                                                                                                                                                                                  | 1 |
| Regulatory role for council in equity and access, good for business                                                                                                                                                                                                             | 1 |
| Regulatory role for council as standard in part of new developments                                                                                                                                                                                                             | 1 |

*Which of the locations below do you think would benefit from additional EV charge points: promenade?*

The respondents were found to be broadly supportive of provision of additional charge points on the promenade, however it attracted less support than other locations. **56%** (42) of respondents ‘agreed’ (either by answering ‘strongly agree’ or ‘agree’) that promenade would benefit from additional EV charge points, **18** respondents ‘disagreed’ (either by answering ‘disagree’ or ‘strongly disagree’), **13** respondents ‘neither agreed or disagreed’ and 2 respondents didn’t know/ weren’t sure if the location wouldn’t benefit from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: council owned car parks?*

The respondents were supportive of provision of additional charge points in this location. **89%** (73) of respondents ‘agreed’ (either by answering ‘strongly agree’ or ‘agree’) that council owned car parks would benefit from additional EV charge points, **4** respondents



'disagreed' (either by answering 'disagree' or 'strongly disagree') and **5** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: private car parks?*

The respondents were supportive of provision of additional charge points in this location. **82%** (63) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') that private car parks would benefit from additional EV charge points, **7** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree') and **7** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: businesses including hotels?*

The respondents were supportive of provision of additional charge points in this location. **89%** (72) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') that businesses including hotels would benefit from additional EV charge points, **3** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree') and **6** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: visitor attractions?*

The respondents were supportive of provision of additional charge points in this location. **82%** (65) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') that visitor attractions would benefit from additional EV charge points, **6** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree') and **8** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: leisure venues?*

The respondents were supportive of provision of additional charge points in this location. **84%** (69) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') leisure venues would benefit from additional EV charge points, **4** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree') and **9** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: supermarkets?*

The respondents were supportive of provision of additional charge points in this location. **86%** (70) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') supermarkets would benefit from additional EV charge points, **3** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree') and **8** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points.

*Which of the locations below do you think would benefit from additional EV charge points: residential streets?*

The respondents were supportive of provision of additional charge points in this location. **79%** (63) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') residential streets would benefit from additional EV charge points, **10** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree'), **6** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points and 1 didn't know/wasn't sure.

*Which of the locations below do you think would benefit from additional EV charge points: streets with retail facilities?*

The respondents were supportive of provision of additional charge points in this location. **76%** (61) of respondents 'agreed' (either by answering 'strongly agree' or 'agree') streets with retail facilities would benefit from additional EV charge points, **9** respondents 'disagreed' (either by answering 'disagree' or 'strongly disagree'), **8** respondents 'neither agreed or disagreed' with the location benefitting from additional charge points and 2 didn't know/wasn't sure.

**Do you have any comments about above locations, including if you think there are any other locations that should be included?**

31 comments related to locations of charge points, with the most cited being options for residential streets without off-road parking, and support for car parks:

| <b>Comment Topic</b>                                                                                                                                                                                | <b>Number of Comments</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Residential on street options needed</b><br>"It is important for those without off street parking to be able to access chargers. Most houses in Blackpool are terraced and many are quite small. | 7                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Finding a way to support these households must be the councils priority. Otherwise it will be seen as electric cars are only available for the wealthy.”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| <b>Start with car parks</b><br>“EV's require certain technology to get a worthwhile charge within a time. Short durations will not benefit without the largest investment in infrastructure and at greater cost to the customer, which makes it less likely to be used. Therefore, the greatest of investment should come to the car parks. the private sectors should be getting encouraged to have better facilities where people will be spending greater amounts of time and willing to travel to i.e. hotel stays (which could have a valet service to manage fewer chargers), leisure and shopping facilities would need to balance durations against average time spent parked. The streets need to be kept clear of trailing cables, the options of covered gullies would work to properties and retractable cables for lamp posts”. | 5 |
| Start with car parks in residential areas such as schools in evenings and other public buildings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 |
| Consider out of town centre locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 |
| More charge points needed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 |
| Needs regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 |
| Residential chargers in new builds needed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 |
| Remove additional charges to charge in car parks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 |
| Alternative modes needed charging too                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 |
| Avoid attractions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 |
| Avoid prom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 |
| Avoid street clutter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 |
| Ensure maintenance and upkeep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 |
| residential and car park options are desirable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |
| Start with M55 EV parking site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |

*If you were able to share off-street chargers with other residents, is this something that you would be interested in?*

33% (27) of respondents would be interested to share off-street chargers with other residents, 33% (27) of respondents would not be interested and 33% (27) of respondents didn't know/weren't sure. 47 made comments related to communal charging preferences:

| Comment Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Number of Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Support sharing in neighbourhood</b><br>“Helps to cover costs and provide better coverage.”                                                                                                                                                                                                                                                                                                                                                                                         | 6                  |
| <b>Concerned about access</b><br>“I feel this would be a very hit and miss arrangement. Not reliable enough to sustain daily use of a vehicle if I did not have access to my own charge point. I would be very reluctant to switch to an electric vehicle without first knowing I could reliably charge it myself without having to rely on other people or the luck of the draw of finding an empty space in a car park at work or in a car park at the particular time I needed it.” | 5                  |

|                                                                                                                                                                                                  |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <b>Concerned about billing</b><br>“Currently charging at home off street, however all charging is paid for by my company so working out recompense for other residents usage is clunky at best.” | 5 |
| Concerned about costs                                                                                                                                                                            | 4 |
| Happy to share but more chargers are needed                                                                                                                                                      | 4 |
| Not interested in owning EV                                                                                                                                                                      | 4 |
| Not happy to share because of access issues                                                                                                                                                      | 3 |
| Already own a charger                                                                                                                                                                            | 2 |
| Not happy to share, unlikely due to number of houses, access issues, cost                                                                                                                        | 2 |
| Different adapters needed for different cars                                                                                                                                                     | 1 |
| Happy to share on street                                                                                                                                                                         | 1 |
| Happy to share once access issues resolved                                                                                                                                                       | 1 |
| Happy to share but concerned about arguments                                                                                                                                                     | 1 |
| Happy to share once insurance issues resolved                                                                                                                                                    | 1 |
| More chargers needed first                                                                                                                                                                       | 1 |
| Not happy to share because of arguments                                                                                                                                                          | 1 |
| Not happy to share because of billing issues                                                                                                                                                     | 1 |
| Not happy to share because of investment cost                                                                                                                                                    | 1 |
| Not happy to share when neighbours not known                                                                                                                                                     | 1 |
| Technology will change quickly and this may not be needed                                                                                                                                        | 1 |
| My neighbours not known                                                                                                                                                                          | 1 |

*To what extent do you agree or disagree with the above proposed actions in the theme of **energy capacity** of Blackpool’s EV Action Plan?*

The theme of **energy capacity** contains two actions:

1. Explore opportunities for local renewable power generation relating to provision of charge points
2. Liaise with DNO on site by site basis to determine infrastructure capacity for new charge points

**79%** (65) of respondents ‘agreed’ (either by answering ‘strongly agree’ or ‘agree’) with the proposed actions, **6** respondents ‘disagreed’ (either by answering ‘disagree’ or ‘strongly disagree’), **8** respondents ‘neither agreed or disagreed’ with the proposed actions and additional 3 respondents didn’t know/weren’t sure.

*To what extent do you agree or disagree with the above proposed actions in the theme of **delivery and charge point locations** of Blackpool’s EV Action Plan?*

The theme of **delivery and charge point location** contains nine actions:

3. Require delivery of charge points in all new developments (both in parking bays & on drives/garages)

4. Deliver additional charge points in Council owned car parks, including new developments
5. Develop a parking policy which supports the dedicated use of bays for EVs via an enforcement process
6. Deliver at least one live on-street residential charge point trial
7. Pilot provision of charge point sockets at carparks in residential areas
8. To facilitate and monitor privately-funded chargepoint provision in Blackpool
9. Submit bids to leverage Government funding for public charge points (e.g. LEVI) including:
  - Rigby Road Bus Depot public charging
  - Enterprise Zone
10. Map and review the provision of charge points & their usage data to support a spatial & strategic approach to charge point provision

**80%** (66) of respondents ‘agreed’ (either by answering ‘strongly agree’ or ‘agree’) with the proposed actions, **10** respondents ‘disagreed’ (either by answering ‘disagree’ or ‘strongly disagree’), **5** respondents ‘neither agreed or disagreed’ with the proposed actions and additional 1 respondents didn’t know/weren’t sure.

*To what extent do you agree or disagree with the above proposed actions in the theme of stakeholder engagement of Blackpool’s EV Action Plan?*

The theme of **stakeholder engagement** contains two actions:

11. Develop a Council webpage and marketing campaign dedicated to raising awareness about EVs, charging infrastructure, sharing private chargepoints and grant funding
12. Seek feedback and discuss the EV Strategies key findings with the public and key stakeholders

**79%** (64) of respondents ‘agreed’ (either by answering ‘strongly agree’ or ‘agree’) with the proposed actions, **10** respondents ‘disagreed’ (either by answering ‘disagree’ or ‘strongly disagree’), and **7** respondents ‘neither agreed or disagreed’ with the proposed actions.

*Are there any other priority actions you think need to be considered?*

This question attracted 28 comments:

| Comment Topic                                                                                                                                                                                                                        | Number of Comments |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Prioritise other transport types</b><br>“Battery electric vehicles are not the golden egg everyone believes, the council should look at hydrogen refuelling infrastructure that offers much more sustainable long term benefits”. | 5                  |
| <b>Prioritise quality and usability</b>                                                                                                                                                                                              | 5                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| “Close links to the existing Apps used by EV drivers, ensure Blackpool's EV charging infrastructure is visible on these existing and well used Apps, these Apps (Zap Map etc.) have a national footprint a visitor in another part of the country (leisure or business visitor) will see our infrastructure and the number /type of charging options. Have in place a hugely robust and resilient maintenance and support, this is vital, the charging infrastructure has to work and be reliable. Chargers not working is one of the biggest problems faced. Blackpool should be different, let’s lead on reliability and user satisfaction.” |   |
| Incentivise homeowners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 |
| Prioritise on street parking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 |
| Prioritise renewable energy source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 |
| Prioritise speed of roll out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 |
| Prioritise attraction and business locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 |
| Prioritise affordability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 |
| Prioritise external funding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 |
| Prioritise further investigation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |
| Prioritise wages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |

*Do you have any additional comments about Blackpool Council’s EV Strategy?*

| <b>Comment Topic</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Number of Comments</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>More chargers are needed</b><br>“I am concerned that if supply is linked to current demand / surveys of whether or not people have EVs so would currently need charging points, there will be insufficient. The projected need for Blackpool by 2027 seems low. the closer we get to 2030, the more demand for EVs and therefore charging facilities will increase, as people look to replace their current vehicles and want to move away from traditional fuel forms.” | <b>4</b>                  |
| <b>Roll it out quicker</b><br>“Needs more urgent action I have a new EV and there will be many more given the huge tax benefits to company car drivers. Blackpool lags far behind in the provision of EV charge points, need to move quicker”.                                                                                                                                                                                                                              | <b>4</b>                  |
| <b>Stop the roll out</b><br>“Yes just give up the whole idea of electric cars. Do any of you lot at the council know how electricity is produced. .... its produced using fossil fuels, and this is damaging the planet just as much or even more that petrol/diesel does.”                                                                                                                                                                                                 | <b>4</b>                  |
| <b>Concerned about cost and investment</b><br>“I personally think the system will fail without serious investment from all stakeholders.”                                                                                                                                                                                                                                                                                                                                   | <b>4</b>                  |
| Offer incentives                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                         |
| Prioritise the rapid chargers                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                         |
| Provide on street parking                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                         |
| Other transport charging needed too                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                         |
| Promotion the strategy and vision                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                         |
| Need to balance tourism with residents needs                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                         |

|                                              |   |
|----------------------------------------------|---|
| Ensure the chargers are working              | 1 |
| Need to consider inclusion and accessibility | 1 |
| research sustainability of the EV parts      | 1 |
| Charge using renewable power                 | 1 |

## Response to Consultation Findings

Overall, the vast majority of respondents were supportive of the proposed vision, priorities, action plan and working group for the strategy. Mode shift was one of the principles that received the least amount of support from residents, although still a majority of respondents are in support of it – 51%. The inclusion of mode shift in the strategy is essential in transition to decarbonised transport, while supporting health objectives of the town. A vast majority of respondents were in support of all proposed locations for new charge points (76-89%), with promenade receiving least amount of support – 56%.

| To what extent do you agree or disagree with...?                                | % of agreement |
|---------------------------------------------------------------------------------|----------------|
| Energy Capacity (Actions 1-2 of Blackpool’s EV Action Plan)                     | 79%            |
| Delivery of Charge Point Locations (Actions 3-10 of Blackpool’s EV Action Plan) | 80%            |
| Stakeholder Engagement (Actions 11-12 of Blackpool’s EV Action Plan)            | 79%            |

All comments made in the public consultation survey have been reviewed and considered for inclusion in the final Electric Vehicle Strategy. Recurring themes and key comments have been addressed where appropriate (please refer to the table below).

| Key Comments                                                                 | Frequency | Council Response                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The council needs to consider on street charging for homes with no driveways | 19        | The Council has committed to a pilot of on-street charging as part of this strategy, and will seek to expand this depending on the findings. Other potential solutions for homes without driveways include neighbourhood charging and this will also be explored in the strategy.                                           |
| Open to share privately owned infrastructure with neighbours                 | 17        | Several phone apps exist to encourage sharing of chargers. The Council will include an action in the strategy to share details of these in its public-facing webpages and in other climate communications.                                                                                                                  |
| Concerns about cost and affordability                                        | 16        | The cost of provision varies greatly, partly depending on the speed of charging. “Fast” chargers suitable for overnight use are generally cheaper, and these will be provided where they are most suitable. As a result of this comment, tariffs will be considered as part of the procurement process to select providers. |
| Residents that prefer individual                                             | 16        | The data shows that EV’s are primarily used by people with home charging equipment. Future planning legislation changes will encourage this provision in new                                                                                                                                                                |



| Key Comments                                                                                  | Frequency | Council Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| home chargers per resident                                                                    |           | homes. However there will remain a need for widespread public charging which the strategy seeks to address.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Suggestions about adding chargers in new locations                                            | 15        | These comments included a wide variety of views on potential locations, as well as noting locations which respondents felt were unsuitable. Several made the point that provision was needed away from the town centre, and the rollout plan for new chargers will look at sites across the borough.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Comments in opposition to Electric Vehicles                                                   | 14        | The UK government has made it clear that its priority is to support the rollout of Electric Vehicles rather than alternatives. Hydrogen is not considered a serious option for fueling personal vehicles, with no likely prospect of significant production or distribution support in the UK in the near future. Sales of BEVs have started to represent a significant share of the market in the previous few years and there is a need to address current demand through charger provision. The strategy is also clear that in addition to supporting electric vehicles, the underlying aim of the Council should be to support greater use of public transport, resulting in fewer vehicles on the road. |
| Calls for alternative modes to be considered in the strategy in addition to Electric Vehicles | 13        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concerns about quality of charging infrastructure                                             | 11        | The Council concurs with this comment, and will consider the reliability of charge point providers as part of its procurement and contract management processes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Comments in support of Electric Vehicles and more charging                                    | 11        | The strategy will deliver more charge points in Blackpool, with a review after 2½ years to ensure that demand is being met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Comments around joint investment between council and private operators                        | 10        | These comments were loosely based on the efficient use of public money by taking advantage of private sector investment and funding where available. The Council is planning a procurement process to explore the best value of options around joint investment e.g. granting leases in return for investment and potentially income-sharing.                                                                                                                                                                                                                                                                                                                                                                |
| Concerns about the proposed number of chargers- too many or too few                           | 10        | Estimating the number of chargepoints is a difficult process with significant uncertainty. Estimates for the need for Blackpool by external parties have varied by around 1300 between the lowest and highest estimate in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Key Comments                                                      | Frequency | Council Response                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                   |           | just the 5 year period covered by the strategy. We therefore aim to meet demand whilst minimizing costs associated with under-used charging infrastructure.                                                                                                                                                                            |
| Concerns about day to day operation of charge points              | 7         | Management agreements are in place for existing chargers and similar arrangements will be made for new installs where the Council is involved.                                                                                                                                                                                         |
| Questions relating to ownership and profits from charging tariffs | 7         | These comments were related to those provided regarding the desire to leverage private sector investment (see above) and will be addressed via the procurement process to explore the best value of options around joint investment e.g. granting leases in return for investment and potentially income-sharing.                      |
| Comments advocating for renewable sources to power chargers       | 6         | The Council fully supports the use of renewable power sources for the chargers and will include consideration of this as part of the procurement process, in addition to exploring the installation of solar panels in carparks.                                                                                                       |
| Concerns about fair access                                        | 5         | One of the principal aims of the strategy is to ensure fair charging access across the town, including for people with disabilities. As per earlier comments, we will look for opportunities to keep tariffs as low as possible within commercial constraints where we install chargers aimed at residents without off-street parking. |

There were 19 additional comments which were combinations of one or more of the above themes.

## Glossary

EV (Electric Vehicle) – any cars, vans or motorbikes which have an electric motor and can be plugged in to a socket

BEV (Battery Electric Vehicle) – vehicle with an electric motor

PHEV (Plug-in Hybrid Electric Vehicle) – vehicles which have both an electric and a conventional engine

## Appendix – Full List of Comments

Comments on other considerations needed for the strategy:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A report or investigation to identify what level of vehicle use Blackpool residents have. for example, are residents commuters to out of town jobs, local work within a radius or 'runabouts' for shopping and supporting family within the town and local area. this will help understand the frequency residents will need to charge and rely on given infrastructure versus support at their residence. consider that a distance commuter may charge everyday and a local resident with EV may only need to charge once in a longer period.</p> |
| <p>Absolutely ridiculous to enforce the use of electric cars. They are expensive to make, use child labour to mine for the essential materials, don't take into account the people who cannot afford such vehicles, can't walk, cycle or use public transport. The whole idea is absurd and should be dropped at the earliest opportunity.</p>                                                                                                                                                                                                        |
| <p>Blackpool is the poorest area after tower hamlets, how are the bedsit masses going to afford an electric vehicle let alone charging it.</p>                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Caution when deciding on commercial charging partners. Some are better than others</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p>Controls to prevent over stopping on an EV charge point</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Durable solutions. Hate to see broken chargers if they are not well built.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p>E bike charging points</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p>Having ev bay's outside of the house with ev cars</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>how are the batteries going to be recycled? how is the electricity produced if you want 0% fossil fuels? Is there enough electricity available for everyone?</p>                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>How I would charge my car in front of my house with no parking on my side of the road and no garage or parking space in front of my house. Am I to run a cable across the road to my car!! Also I have no designated parking space so have to move it on a daily basis - sometimes to a street round the corner</p>                                                                                                                                                                                                                                |
| <p>I have an Electric Car more Charging are needed Now the one at Stanley Park Leisure Centre needs signage</p>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>I live down a street where I have no drive way. I want to buy an electric car but been put of by the fact I might not be able to park outside me house to charge the car.</p>                                                                                                                                                                                                                                                                                                                                                                      |
| <p>Last mile single modes of transport - eh scooters and electric bikes - ride sharing are all glaring omissions</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>Mode should consider work styles and work patterns</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p>More charge points across Blackpool. Very few outside of town centre at the mo. None also in supermarkets in South Shore, Morrissions. Lidl, Teso for example</p>                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>More incentives to switch to EV such as free home charging points and reduced home charging costs</p>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>Regularly maintained, working, fast chargers</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>Solar going on all government buildings and free charging for staff</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>That the on street chargers are not centred on holiday areas and should be equal in all fy post codes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Walking cycling and public transport is irrelevant,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>Where are we all going to charge these EV's especially with the criminal cost of electricity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

With limited electric charging points planned, you are going to have issues with people "hogging" points and making parking even more difficult for home owners that do not have a drive.

Yes these installations should be in car parks they create additional street clutter and trip hazards for people who are blind partially sighted or have low vision.

Yes. I don't feel you can implement a strategy without acknowledging the impact of visitors to the town. Pleased to see mode (of transport) shift referenced but would ideally want to see major priority for walking, cycling and public transport over even electric-powered private vehicles.

Comments relating to public, private or shared investment:

A shared delivery - planning strategy forcing installation on all new developments and/ or commercial refurbishments

Agree council should consider installation of ev charging points that are focused on both local residents and visitors, this would model good practice to the private sector

All new houses need charge points and solar panels as a planning consent dependency All new car parks need a percentage of ev charge points as a consent dependency Where there is a business opportunity - let the market fill it

Any sector providing low cost EV charge points must be good?

As the electric used gets paid to private if blackpool can generate enough power and pass that charge onto customers fine but don't think it will.

Both the council and private sector have a responsibility to keep the town vibrant and up to date with technology. The council does not have the funds to provide all of the necessary framework so private sector should contribute as they will benefit from keeping the visitor numbers up.

Council needs to provide support re areas less likely to attract private sector investors in providing charging solutions to ensure equitable access across the town, and provide affordable options that are not purely profit driven

Council needs to show commitment to Green energy and to put trust in the local area for electric charging. The current infrastructure is sorely lacking.

Council provided CPI can offer an income stream so should be part of the strategy however private sector provision may also be required so there are sufficient charge points for staff, visitors and residents

Council responsibility (in terms of planning towards net zero) but would be silly to ignore private sector options if these are made available

Council will not be able to fund the number of chargers needed

Depending on the location of charge points (i.e. who owns the land) it would be beneficial for the private sector to provide charge points as well. It could also be a selling point in terms of private businesses to provide access to charge points for their customers.

Having private sector lead on this will only benefit the company and its shareholders due to having the sole market. Having council facilities allows money to be earned for the council towards renewable energy and other services.

I am not a supporter of Electric Cars so I don't think my taxes should go towards charging them.

I feel we would be priced out of using them by the private sector

|                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I have a house with no drive way and have been put off buying an electric vehicle because I might not be able to park my car outside me house to charge the car. This needs looking at urgently.                                                                                                                                                              |
| I just want an increase of flexibility of being able to charge my car                                                                                                                                                                                                                                                                                         |
| I think that in order to make the shift from Petrol vehicles to EV , both public & private sector need to provide the infrastructure for people to be able to charge the vehicles.                                                                                                                                                                            |
| I think the council should be supporting its most vulnerable residents who can't survive the cost of living. This is important but absolutely not a priority for local government at this time.                                                                                                                                                               |
| If you insist on going ahead with this nonsense (and I really hope and pray that you don't) it would be foolish and costly to rely purely on private sector.                                                                                                                                                                                                  |
| if you want people to have elctric vehicles charging pints should be acailable to sll & be reliable the present system is awful                                                                                                                                                                                                                               |
| involving the private sector always ends up to the detriment of the public, especially in the pocket                                                                                                                                                                                                                                                          |
| keep it in house , private sector too expensive                                                                                                                                                                                                                                                                                                               |
| Manchesters model works - just get b.ev in ! But yes we need a mix. It's just electricity. shouldn't be hard to get this sorted in two years                                                                                                                                                                                                                  |
| More = Encourage more people                                                                                                                                                                                                                                                                                                                                  |
| More transparency                                                                                                                                                                                                                                                                                                                                             |
| No reason why a council should fund the entire cost, there should be profit to be made that any private company would enjoy.                                                                                                                                                                                                                                  |
| Not enough chargers frustrating waiting to charge, need to be rapid chargers minimum of 50kw                                                                                                                                                                                                                                                                  |
| Partnership is necessary                                                                                                                                                                                                                                                                                                                                      |
| Private companies are only interested in profit, it cost more to run an electric car charging at commercial charge points than it does to run a diesel. I would hope the council would offer better charging rates.                                                                                                                                           |
| Private sector account for a large majority of the "visible" areas where charging is needed and easily identified (i.e. shopping and grocery car parks) but, to accommodate and assist in broader "take up" of EV's, council could support middle/low income drivers to access charging infrastructure nearer to home (kerb side charging/lamp post charging) |
| Private sector for rapid chargers and perhaps less costly for fast chargers, i.e. 7kwh                                                                                                                                                                                                                                                                        |
| Private sector should provide most but Council will need to fill gaps to ensure good coverage across town at affordable rates.                                                                                                                                                                                                                                |
| Private sector to provide destination and rapid charging at a premium. Council to provide on street charging options for those with no off road parking options.                                                                                                                                                                                              |
| Rate payers should not be responsible for upkeep etc.                                                                                                                                                                                                                                                                                                         |
| Retail and garages need to provide chargers .                                                                                                                                                                                                                                                                                                                 |
| Supermarkets/retail park land owners should be providing charging points where existing large car parks have spaces available. Aldi and Tesco have begun rolling out around the country but Blackpool doesn't seem high on their lists.                                                                                                                       |
| The expense of the upgrade to the grid, which is required for rapid charge may be met by private, 100% renewable providers. At-home or at-work charging could be provided by slower (known as triable-charge) chargers, suitable for cars which are in their residential areas or areas of work.                                                              |
| The locations should be in places that are for ev vehicles often see internal combustion vehicles blocking access in car parks and street                                                                                                                                                                                                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The more charging points the better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| The more the better. On the street for the Council Private sector on land based i.e. Lidl the responsibility for maintenance is their responsibility as as a council we would have to sub contract repairs and maintenance out therefore delaying repairs and adding costs and time to the service.                                                                                                                                                                                                                  |
| There are far more important issues concerning the residents of Blackpool for money to be spent on charging points. Encouraging the private sector to provide charging points reduces the cost of maintenance and upkeep to the council.                                                                                                                                                                                                                                                                             |
| They need to be in as many places as possible to encourage EV ownership                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| they should be more places to charge, especially if the trend is moving in the EV direction.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| To ensure choice and availability all routes to EV infrastructure should be used, Blackpool's own infrastructure will be on cost and affordable, other commercial providers will have to take note of the public asset and its pricing structure it may help keep costs reasonable and at a level similar to our own asset                                                                                                                                                                                           |
| Two reasons - the Council can ensure there is a basic provision of charge points and set the price at an affordable level for the masses. The private sector are more likely to innovate and push the boundaries by introducing the latest technology and pushing the charging speeds. To rely solely on the private sector would have a negative impact on your strategy, as they will only place their product where they can generate a (decent) profit whereas the Council, in a similar fashion to the provisio |
| We are being forced down this route by govenment therefore they should provide the charging points at a fair electricity price, if left to the private sector the charging points will become a business and the public will be overcharged.                                                                                                                                                                                                                                                                         |
| Why should taxpayers pay for people to enjoy their electric car                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| With The Council having a 'Monopoly' and greater interest in most Blackpool Car Parks and as the only authority it is the Councils responsibility to ensure charging is accessible. this then branches into privately owned car parks. If i were an EV owner, i would not want to make journeys on a chance i may get a charging point. it needs to be widely available as this may deter EV users.                                                                                                                  |
| Working together                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Comments relating to locations:

|                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| all are important, however definitely needs to be at home options for households without off-street parking. More provision in council owned carparks might increase attractiveness and increase parking revenues. |
| All need chargers                                                                                                                                                                                                  |
| All street parking                                                                                                                                                                                                 |
| And they all need to be maintained not like the ones in sainsburys car park which has worked for probably over a year now !!!                                                                                      |
| Bispham village                                                                                                                                                                                                    |
| Car parks would be the best place to start and then attractions such as the zoo where people stay for a longer period                                                                                              |
| council houses private rentd & all new housing should have home chargers                                                                                                                                           |
| Cycle racks                                                                                                                                                                                                        |
| Depending on parking problems it might be better to first concentrate on council parks                                                                                                                             |

EV's require certain technology to get a worthwhile charge within a time. Short durations will not benefit without the largest investment in infrastructure and at greater cost to the customer, which makes it less likely to be used. therefore, the greatest of investment should come to the car parks. the private sectors should be getting encouraged to have better facilities where people will be spending greater amounts of time and willing to travel to i.e. hotel stays (which could have a valet service to manage fewer chargers), leisure and shopping facilities would need to balance durations against average time spent parked. The streets need to be kept clear of trailing cables, the options of covered gullies would work to properties and retractable cables for lamp posts. The Promenade is another consideration. It is a busy area liable to interference and should not be cluttered with infrastructure.

For an uptake in EV use, more needs to be done accross the entire town. In residential areas are highly important. Especially areas with no off street parking needs further thought.

hotel CPs are a good idea in principle however they are always low powered , sometimes just 7kw and are therefore blocked for many hours by a single vehicle

I think residential streets is a priority area particularly where households don't have their own driveway.

I would not like to see lots of charging points pop up in residential and shopping streets as they are ugly and detract from the aesthetic I would like to see in Blackpool. We should be taking more pride in our town and the charging stations although they need to be accessible should be in places where they do not impact on residents.

If all new housing developments have charge points initially and then everyone with off street parking can install charge points - you will achieve significantly higher numbers than the miser numbers here suggest

If you are charging your EV in a car park will you still also be expected to pay a parking charge.

If you are stupid enough to get an electric car you should make sure you have a charger at your own home i.e. your driveway

It is important for those without off street parking to be able to access chargers. Most houses in Blackpool are terraced and many are quite small. Finding a way to support these households must be the councils priority. Otherwise it will be seen as electric cars are only available for the wealthy.

Local parks but they need to be legal areas that Carnt be blocked by ice cars or number for parking services so we can call to get ticketed no good painting road if normal cars can park to needs to be legal requirement that's enforceable

No

No, only that the whole farce be dropped.

Not convinced of need for lots of charging points (figures on availability and usage would be helpful to inform responses). Need to consider visitors though and hotels feels like a good option (at least those who have parking provision) as would target longer-distance longer-stay visitors who would seem most in need of facility (assuming some drive electric vehicles)

open to abuse by vandals

Please see earlier response. More chargepoints outside of town centre, excluding hotels and car dealerships etc

Promenade not suitable, cables, long stay etc etc. definately not prom

Putting chargers in attraction location will just mean someone will leave the car there all day taking a slot up for others.

Residential streets don't need to be cluttered with visitor cars, they should be for residents only and would ensure safety of residents too

Schools (to be used by local residents at night time), churches, fire stations, police stations



|                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| See previous - residential streets with inadequate parking spaces                                                                                                                                                                                                                                                                                                                                    |
| Solution from home owners without parking on property required.                                                                                                                                                                                                                                                                                                                                      |
| the need for chargers will increase with the uptake of EV's. to draw people to an attraction, having a charger is a major plus point. the same applies drawing people into this town. we should be leading the way as we are a leading tourist destination.                                                                                                                                          |
| There are a number of strange unused features in blackpool. The old bus stop/structure near the stanley park main mawson drive entrance that might make for a useful charging area.                                                                                                                                                                                                                  |
| There should be a mass rapid charge point along the M55 corridor - being either on Council land within the car park accessed from Yeadon Way (near Brewers Fayre pub/hotel) and of benefit to tourist/locals, or further upstream at the M55 J3 within Fylde - this being one of the most under developed motorway junctions in the country but such close proximity to a major tourist destination. |
| Train stations, business parks, schools/college campuses<br>Prom charging would possibly impact the otherwise crowded prom, during the busy/tourist time of year                                                                                                                                                                                                                                     |
| Retail parks                                                                                                                                                                                                                                                                                                                                                                                         |

Comments relating to sharing charging:

|                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Already challenging for residential parking in my home location with off street taken up with sharing it would be challenging - what is proposed for the payment of electricity used, this could drive households into debt.                           |
| because I won't use such a climate damaging vehicle as I am not a hypocrite, they are not green,                                                                                                                                                       |
| Because I would not get a electric car.                                                                                                                                                                                                                |
| Billing problems                                                                                                                                                                                                                                       |
| But, seeing as i dont have a drive it wouldnt be possible. Im most worried, as always, about the ability to park outside my own house.                                                                                                                 |
| Depending on management and cost                                                                                                                                                                                                                       |
| Depends on access and charges.                                                                                                                                                                                                                         |
| Don't have an electric car and will never have one.                                                                                                                                                                                                    |
| don't want someone parked in my drive                                                                                                                                                                                                                  |
| Energy bill.costs                                                                                                                                                                                                                                      |
| Helps to cover costs and provide better coverage.                                                                                                                                                                                                      |
| How would payments be made? Not all EVs have the same plug compatibility                                                                                                                                                                               |
| I do not have of street parking but if I ever will I will share it. Assuming there is working all /website and all details like liability (in case of fire will my house insurance cover 3rd person activites ) ,property access solution etc present. |
| I do not have off street parking, however it is a good idea and would be happy to share if I could                                                                                                                                                     |
| I don't have a driveway and this is a major barrier to getting a fully electric car. If I was able to share an off-street charger, I'd definitely reconsider getting an electric car.                                                                  |
| I feel this would be a very hit and miss arrangement. not reliable enough to sustain daily use of a vehicle if I did not have access to my own charge point. I would be very reluctant                                                                 |

|                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| to switch to an electric vehicle without first knowing i could reliably charge it myself without having to rely on other people or the luck of the draw of finding an empty space in a car park at work or in a car park at the particular time i needed it.                                                   |
| I foresee arguments about how long using drive for etc these agreements never end well. But if a close resident and good relationships then yes, also if live near a hotel with one and in winter months enable to use it.                                                                                     |
| I have a home charger                                                                                                                                                                                                                                                                                          |
| I have one at home                                                                                                                                                                                                                                                                                             |
| I would feel uncomfortable making such an arrangement with someone I do not know.                                                                                                                                                                                                                              |
| I would have a home charger                                                                                                                                                                                                                                                                                    |
| I would rather not use an electric vehicle                                                                                                                                                                                                                                                                     |
| it's cost dependant.                                                                                                                                                                                                                                                                                           |
| lead to arguments rift between neighbours very poor idea                                                                                                                                                                                                                                                       |
| more details needed                                                                                                                                                                                                                                                                                            |
| My charge point is up my narrow drive, I don't really want to come home and find my driveway full or my gate posts damaged by bad parking.                                                                                                                                                                     |
| On my street alone there are 8 cars with no off-road parking available. To change these vehicles to electric would need someone to make the leap first and invest. Due to the current economic climate this is highly unlikely to happen. Other streets in the area are in a similar position.                 |
| Potential security concerns, i.e. strangers on property. Also administering access can be cumbersome. Currently charging at home off street, however all charging is paid for by my company so working out recompense for other residents usage is clunky at best                                              |
| Put in now for the future PLUS on the streets for people with no driveway                                                                                                                                                                                                                                      |
| Question is worded in a way which suggests personal use and I'm responding as a non-car owner I think you might have wanted to ask whether respondents think this is a good idea (ie whether or not it applies directly to them) and in that instance I'd have to say "yes"                                    |
| Some residential areas have very limited parking, this could reduce it further, especially near tourist attractions or pubs/restaurants. That said in more suburban areas it could work well                                                                                                                   |
| the hassle of cost and payment especially in this current climate would deter me from offering mine out.                                                                                                                                                                                                       |
| there are lots of properties in Blackpool that have front gardens that can be converted to off street parking , make the proposed dropping of kerbs free or at a reduced rate that the council charge now , abit of an incentive to those that will convert , freeing up roads that are lined with parked cars |
| This is a 2030 problem and technology will change between then and now                                                                                                                                                                                                                                         |
| This would be fine proving you can fairly access them                                                                                                                                                                                                                                                          |
| Unlikely to be viable options where I live as very limited offstreet parking within walking distance                                                                                                                                                                                                           |
| Unsure about how the payment logistics would work - this would be a concern.                                                                                                                                                                                                                                   |
| User interface and reliability of the Apps could cause issue. Liability of others on your property and increased risk of interpersonal conflicts. After it is tried and tested and i felt comfortable i was in a position to help i would be more willing.                                                     |
| We need access at all times, having another car on our drive will negate access for us                                                                                                                                                                                                                         |
| Willing to share my charger                                                                                                                                                                                                                                                                                    |
| Would need some organising and relies on a less transient neighbourhood                                                                                                                                                                                                                                        |

|                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Yes as I have no drive way a d this is what is putting me off buying an electric vehicle.                                                                                                                                                                                 |
| Yes I could be.                                                                                                                                                                                                                                                           |
| Yes, as I have good relations with my neighbours, but I foresee issues/disputes/problems for those who do not.                                                                                                                                                            |
| You need your own space to charge your car when you need to charge it which will mostly be overnight, you can't share a parking space overnight.                                                                                                                          |
| I wouldn't want other car users using my charger, I don't think they would treat it carefully and could damage it.                                                                                                                                                        |
| The difficulty with "shared charging" would be infrastructure (7kw home charging is very slow and not multi-vehicle capable) and the "cost" to the homeowner/provider of the charge point. How will the party using (not the homeowner) pay for the consumed electricity? |
| If electrical power could be made available to our street wall (we have a small front garden) and a EV parking bay provided on the road yes                                                                                                                               |
| It would help to enable other households to own EVs                                                                                                                                                                                                                       |

Comments on aligned priority areas:

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| As mentioned, ensure that terraced houses are supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| As much as i love living here, the main issue i have had is the ability to park outside my own house. We do not have a drive so have on street parking, i know there is no law that ensures you can park outside your own house as its not owned land, but, if EV points were installed on a street i feel that people with EVs would end up using them who live on other streets (but in the same residents parking area) which cuts down parking that is available, which is already at a premium.                                                                                                                                       |
| Battery electric vehicles are not the golden egg everyone believes, the council should look at hydrogen refueling infrastructure that offers much more sustainable long term benefits                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Build infrastructure in locations where people will use the facilities around them, allowing them to visit local facilities to promote local business usage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Close links to the existing Apps used by EV drivers, ensure Blackpool's EV charging infrastructure is visible on these existing and well used Apps, these Apps (Zap Map etc.) have a national footprint a visitor in another part of the country (leisure or business visitor) will see our infrastructure and the number /type of charging options. Have in place a hugely robust and resilient maintenance and support, this is vital, the charging infrastructure has to work and be reliable. Chargers not working is one of the biggest problems faced. Blackpool should be different, lets lead on reliability and user satisfaction |
| E bike charge points                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| E for sable parking on network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Economic changes need to be implemented to drive the residents from leisure based poorly paid employment into employment that would allow investment in expensive EV                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ensure all current existing chargers are fitted to charge as many makes of car as practicable. Ensure all existing chargers are functional.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Ensure any network connected EV points are getting the best energy rates possible, look at whether pricing on charging points might need capping should the energy market continue to be volatile. Research demand and usage of other parties ev points to prevent overestimation of usage, I've seen supermarkets estimate far too high which leads to balancing issues                                                                                                                                                                                                                                                                   |

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| Ensuring those recharging facilities in place are working at all times. It was reported previously that nil were working at council sites with companie facilities limited or expensive.                                                                                                                                                                                                                                                                                                                                                                            |
| Establish an understanding of the extent of vehicle use within the town, and where most EV's will benefit. Short journeys aren't a problem, longer trips need planning.                                                                                                                                                                                                                                                                                                                                                                                             |
| I do not believe in on street charging as this will cause issues with other residents who do not own an EV and will also cause trip hazards, also the street lighting is operated by a PFI (Eon) and i wonder what extra costs will be put on tax payers to fund this, as no doubt it would not have been considered when the PFI agreement was made?                                                                                                                                                                                                               |
| Just get on with it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Look at private finance to support projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| People without charge points won't buy bevs - Charge points have to happen in conjunction with massive reduced demand and increased green power generation                                                                                                                                                                                                                                                                                                                                                                                                          |
| Price of Ev's Use of solar panels for charging points or even wind due to our weather                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Re new developments I think we need to move away from assuming need for parking provision for every home (and therefore wouldn't need EV charging points) - new developments should however be linked to walking, cycling and public transport routes as a matter of course - opportunity to start challenging the norm of car ownership and usage?                                                                                                                                                                                                                 |
| Recognition of the chicken and egg nature of demand for charging points to ensure sufficiency in residential areas. Personally, I would love to move to an EV, but cannot take steps to do so as have no current access to charging facilities at home (no off-street parking options).                                                                                                                                                                                                                                                                             |
| rethink the whole EV progression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Solution required for safe on street charging using home power supply required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| supplying charging points in existing homes for free.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| The biggest problem I've found is that many of the ev charge points that are around are out of order !!                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| there are lots of properties in Blackpool that have front gardens that can be converted to off street parking , make the proposed dropping of kerbs free or at a reduced rate that the council charge now , abit of an incentive to those that will convert , freeing up roads that are lined with parked cars                                                                                                                                                                                                                                                      |
| This will not be enough chargers, the goal must be a charger for every household, some households have three or more cars.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| tourism promotion needs to include the greener electric ethos of the town and promote our eco credentials as for the younger generation especially it shows that we are a forward thinking environmentally caring destination.                                                                                                                                                                                                                                                                                                                                      |
| yes all housing associations etc should have home chargers fitted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| You can't just talk about CHARGERS. 7.2kw isn't a useful charger. If you need to charge and leave you can't 2 to 3 hours min. Then parking charges. you need to discuss BOTH but seperately. What Is this survery talking about home style (7.2kw) as in stockport council car parks etc or faster chargers. VERY BIG difference<br>An evaluation of the impact on traffic numbers must be given priority, to ensure that we do not add to the already traffic-heavy areas of Blackpool. The impact on the safety of children and the vulnerable must be considered |

Additional comments:

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| Any social housing built by the Council from now on should have an EV charging point and the priority for new EV charging points should be car parks, residential areas and hotels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| As a resident I would be less likely to use an in town charging point at an attraction or some other destination but would be very interested in on street parking options, including possible methods of extending my own electric supply to a usable position or under paving ducting to allow safer use of my plug in charging cable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| As an EV driver, I'd say this is not a very comforting strategy. In essence to visit a town and depart (!) you sometimes need to charge. And charging on 7.2kw is pointless ( 2 to 3 hours min to get any range). Fast chargers ( accesible in free to use car parks) giving 30 minute charges and slow charger mix is required. Seperate solutions not to be mixed together. This seems to overcomplicate the problem and offer nothing substantial except to provides at least 40 additional charge point sockets across at least 4 Council owned car parks by 2025. But these will be pay to use (75p/kw no doubt) and pay to park so prohibitive and most likely 7.2kw as there won't be the power infrastructure as these sights to do more. install 7.2kw where you can, not much use but not much harm PLUS Nominate maybe r 3 key sites with free parking whilst charging at 50kw + and flex in more chargers as and when demand increases. should be possible on a commerical cost free basis to council sure! |
| Ask some people around the area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Blackpool's natural resources (wind and tide) should be exploited for power generation, including for vehicle charging.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| By choice I would never have an electric vehicle as the cost to get a charging point is ridiculous, everything battery operated has a lower shelf life as batteries expire, so thinking in long terms, this would be the same for cars no doubt. Everyone should have the freedom of choice and an electric vehicle is not my choice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Charging costs must be set to cover maintenance and service costs with no funding coming from council tax , because the majority of EV's weigh more than ICE vehicles they cause more wear to the road network and create more pollution through tyre wear and brake dust and this has to be taken into account. Public transport and Park and Ride systems need to be improved and considered. I drive a Hybrid car but use public transport whenever I can .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Consider financial incentives or penalties for use of polluting private vehicles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Consider houses with no drive way to be able to park outside there own houses do they can charge there electric vehicles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Don't shaft the public who don't or can't drive in order to deliver this. Blackpool has complex issues that need to be considered as context for these decisions. This strategy doesn't deliver on the accessibility and inclusion elements. Have you done an EIA and if not get one done.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| E bike charge points                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Get on with it The EV car is here to stay ELECTRIC CARS ARE A LOT CHEAPER TO RUN £40 gets you a long Way                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| How many new cars are bought in poorer regions ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| I am concerned that if supply is linked to current demand / surveys of whether or not people have EVs so would currently need charging points, there will be insufficient. The projected need for Blackpool by 2027 seems low. the closer we get to 2030, the more demand for EVs and therefore charging facilities will increase, as people look to replace their current vehicles and want to move away from traditional fuel forms. This is linked to your final question on this survey - if you base numbers needed on % of people currently                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

owning an EV or planning to have one in the next 12 months, this will not support residents to move towards EVs, and will disadvantage those without the option of having their own private off-street charging point.

I believe the council needs to promote local usage of these Chargers, for example if possible provide discounted rates for charger to incentivise locals to shop local and charge local.

I personally think the system will fail without serious investment from all stakeholders.

i strongly feel that specifically as the town of Blackpool is a major UK tourist destination we should be leading and promoting EV's with incentives and a huge PR push to let the UK know how it should be done. be the leaders, not also rans.

I support it as a current owner of an EV

I think Blackpool should make a bigger issue of Ev's, to encourage people to look at them more positively

It doesn't go far enough I don't think you have considered the future potential ie those who have ordered electric car either through NHS council or lease scheme that are still waiting for cars also which app will be preferred ie ZAP

It needs to be fairly accessible for local residents and tourists alike

It will not work, please also stop the fear mongering stop saying climate emergency, it is cringe worthy. Are you going to propose draining the ocean to stop CO2? It is a fact oceans produce the most CO2. in comparison, human contributions are miniscule, China alone has produced more CO2 in the last few years than the whole of the UK since the start of the industrial revolution. By all means help the rich people of the town who want electric cars and can afford them but do not waste all the council money with virtue signalling that will do very little to help humanity.

It wont make difference

make sure they sll work at present very few do it is a nightmare trying to find a working charge pont in Blackpool

Needs more urgent action I have a new EV and there will be many more given the huge tax benefits to company car drivers Blackpool lags far behind in the provision of EV charge points, need to move quicker

No. I am concerned for the rush towards electric vehicles. This is not the fault of the Council who need to be applauded for implementing national government's policy. However, there are still serious environmental issues associated with EVs, especially in relation to mining of Lithium and the impacts that these has on the environment. Also, what happens to batteries at the end of life? Personally, I think that there needs to be more research into EV's before the big switch over in 2030.

One of the most important considerations is the power output of charge points as this will determine the amount of charge points required. Low power (7kw-22kw) result in the charge point being in use for a long time by a single car in order to get a significant charge. Medium power (50kw) reduce this issue but the time is still significant. 150kw-300kw super chargers result in very short charge times for most cars. In summary, the amount of charge points should not be the only consideration and the number of vehicles that can charge in a day should be of high importance. You are in control of users charging habits dependent on the speed of charge points provided. Also, battery capacities are increasing significantly over time and lower power charge points may become redundant in the future.

point 3. deliver at least one live on street residential charge point. This is ok for streets with off street parking as a trial incentive for people, but nowhere near enough for the majority of streets which are terraced with no driveways. On a street with 100 addresses

neighbour disputes will become huge the more common electric vehicles become, as people will need to charge them overnight with no facility to do so. We are not allowed to trail cables across the pavement and sitting in a car park all night waiting is not a sensible option either. Even if for example there were two charge points at my work address, there are over 100 staff, and at least four already have EV's. If everybody is being forced into the the electric vehicle market, then ideally every parking space needs to have a charging point.

See previous comments. Stop this madness now

there are lots of properties in Blackpool that have front gardens that can be converted to off street parking , make the proposed dropping of kerbs free or at a reduced rate that the council charge now , abit of an incentive to those that will convert , freeing up roads that are lined with parked cars , charging points are kept on peoples own proprty

Why wait when taking immediate steps now will make a difference. Set the example and be a leader as a resort. We have attractions to be proud of that people are already travelling to from afar, look at the EV technology average range and think how much further people would go if they can guarantee a charge. By supporting the new generation of vehicles and taking away peoples 'range anxiety' you remain open to the public where people may think against travelling. You already have a marketing strategy to spin off and link in about Blackpool Illuminations. Go set a trend and don't wait.

Yes just give up the whole idea of electric cars. Do any of you lot at the council know how electricity is produced. .... its produced using fosil fuels, and this is damaging the planet just as much or even more that petrol/diesel does.

This all sounds wonderful, now let's see it delivered (please)!

Could an issue of shares to Blackpool residents so the community could be financially involved

It is highly important to our household that funding must be prioritised for active travel. Whilst we own an EV, we only use it for longer journeys and much prefer to bike or walk. The cycling infrastructure is still very poorly connected in Blackpool, and the roads are not child-friendly. We would like our boys (3+7 years) to be able to be independently mobile in the future. Many EVs are very quiet and also heavier than their petrol/diesel counterparts a significant barrier to "vision zero" road design.