

Electric Vehicle Charging Strategy

South Gloucestershire Council declared a Climate Emergency in July 2019. Following this, the council launched a Climate Emergency Strategy, which provides a road map to achieving carbon neutrality by 2030. One of the key areas of focus for the strategy is the decarbonisation of our transport sector.

The draft South Gloucestershire Council Electric Vehicles (EVs) Charging Strategy represents our plan to help tackle climate change by supporting more people to switch to EVs. The strategy looks at how the council will expand the charging infrastructure across South Gloucestershire and ensure equal distribution across the district.

We recognise that reliable and accessible charging infrastructure is essential to encourage EV ownership. By adopting the EV Charging Strategy, we are demonstrating our commitment to supporting our residents and their journey towards a zero-carbon future.

Our strategy seeks to complement the growth in EV charging provision in the private sector and help to fill gaps in the existing network. Specifically, it sets out the existing levels of EV charging infrastructure within South Gloucestershire and looks towards meeting the needs of residents that are likely to be left behind due to a lack of private sector provision.

To find out more, please read the strategy documents on our consultation page and then answer the following questions.

Our vision

Our vision for electric vehicle charging:

"We will ensure the vast majority of households in South Gloucestershire are within one mile of reliable and accessible charging infrastructure"*

*Majority refers to 92 percent of households within one mile of a council-owned charge point. Current baseline suggests that 62 percent of households are within one mile. Analysis suggests that 92 percent of households could be brought into the one mile catchment with an additional 24 sites provided (On-street Residential Charging Scheme – 8 sites, Climate Emergency Scheme – 5 sites, Community Hub Scheme 11 sites).

Q1 To what extent do you agree or disagree with this vision?

- Strongly agree
- Agree
- Neither agree nor disagree
- Disagree
- Strongly disagree
- Don't know/No opinion

Q2 Please explain why you agree or disagree with this vision:

EV Charging and Community Hubs

Community Hubs are designed to provide charging facilities for EV owners and business users who do not have dedicated off-street parking. These hubs can be sited in any suitable location within a community such as village hall or community centre. They offer slow and/or fast chargers in community car parks where travel patterns suit longer dwell times whilst ensuring value for money can be achieved with public funds.

Q3 To what extent do you agree or disagree with the principle of South Gloucestershire Council providing EV chargers at Community Hubs?

- Strongly agree
- Agree
- Neither agree nor disagree
- Disagree
- Strongly disagree
- Don't know/No opinion

Q4 Please add any comments you may have on community hubs in the box below.

Q5 If you own, or intend to own, an EV, how important are each of the following factors in determining whether or not you would use a community charging hub?

	Very important	Important	Neither important or unimportant	Not important	Not at all important	Don't know/NA
Speed of charge available (i.e. rapid or fast)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guaranteed availability of charging point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distance from home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good quality walking route	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cost of session	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q6 Do you currently drive or have access to any of the following? Hybrid/Plug-in EV (PHEV) or Battery Electric Vehicle EV (BEV)?

- Yes Go to Q11
- No Go to Q7

Q7 Do you currently drive or have access to another form of vehicle? Tick all that apply.

- Yes - petrol car/van
- Yes - diesel car/van
- Yes - Motorcycle/Scooter
- No
- Other

If other, please state:

Q8 If you currently own or have access to a vehicle, are you likely to consider replacing it with an EV?

- Yes, within the next year
- Yes, within the next 1-2 years
- Yes, I am likely to purchase an EV in 3 years+
- No, I do not intend to purchase an EV

Q9 The following are some factors commonly identified by motorists when considering switching to an EV:

- Purchase cost
- Running and maintenance cost
- Vehicle range
- Access to a charging facility at home
- Access to a charger at your main trip destinations

We would like to understand how these factors impact you. Please outline in the box below how any of these factors impact on your decision to switch to an EV.

Q10 What is your biggest concern in switching to an EV? Tick one box only.

- | | |
|---|--|
| <input type="checkbox"/> Purchase cost | <input type="checkbox"/> Access to charger at home |
| <input type="checkbox"/> Running and maintenance cost | <input type="checkbox"/> Access to charger at your main trip destination |
| <input type="checkbox"/> Vehicle range | <input type="checkbox"/> Other |

If other, please state:

Q11 When at home, where do you currently park your vehicle at night?

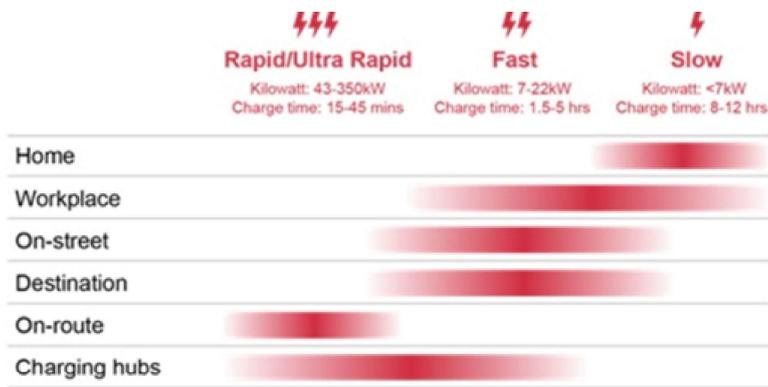
- | | |
|---|--|
| <input type="checkbox"/> Off-street - Private Driveway/Garage | <input type="checkbox"/> On-street |
| <input type="checkbox"/> Off-street - Private Car Park | <input type="checkbox"/> Don't own or have access to a vehicle |
| <input type="checkbox"/> Off-street - Public Car Park | <input type="checkbox"/> Other |

If other, please state:

Q12 Please estimate your annual mileage

- Less than 10,000 miles per year
- 10,000 to 20,000 miles a year
- More than 20,000 miles a year
- Don't own or have access to a vehicle

EV users are able to charge vehicles at varying speeds as detailed on page nine of the strategy and summarised in the graphic below.



The use of such charging methods is dictated by the users' circumstance. As part of our strategy, we intend to support charging at home, on-street and at destinations (leisure centres, village halls, community centres, etc.) using fast charging via our Revive public charging network. Due to the significant costs (grid, hardware etc) and delivery challenges associated with Rapid/ultra rapid charging, we would be only be considering these solutions at charging hubs and/or near strategic networks.

Q13 Please rate your likelihood of using the following charging locations to charge an EV should you have access to one now or in the future?

	Very likely	Likely	Unlikely	Very unlikely	Don't know/NA
Home charging	<input type="checkbox"/>				
Fast charging at supermarkets, leisure facilities etc.	<input type="checkbox"/>				
Charging at the workplace	<input type="checkbox"/>				
On-street charging	<input type="checkbox"/>				
Charging at visitor attractions of destinations	<input type="checkbox"/>				
Council-owned car parks	<input type="checkbox"/>				
Park and Ride	<input type="checkbox"/>				
Community Hubs	<input type="checkbox"/>				
Rapid Charging Hubs	<input type="checkbox"/>				

Q14 Please refer to the strategy, section five, that identifies five key themes to support future charging in South Gloucestershire. To what extent do you support these key themes?

	Strongly support	Support	Neutral	Oppose	Strongly oppose	Don't know
Expanding public charging provision	<input type="checkbox"/>					
E-mobility	<input type="checkbox"/>					
Fleet conversion	<input type="checkbox"/>					
Promoting EVs and infrastructure	<input type="checkbox"/>					
Local Planning	<input type="checkbox"/>					

Q15 What further actions do you think would help create a charging experience that is fair and accessible for people in South Gloucestershire?

Q16 Please provide any comments you may have about these themes in the box below:

Q17 Please make any further comments you may have in the box below.

About You

This section is really important. It's vital that we understand the experiences of a wide range of respondents in order to ensure that everyone is treated equally. By understanding more about what people from diverse backgrounds tell us, we can ensure we act appropriately to meet needs. All questions are optional and any responses to these questions will remain confidential. Individuals will not be identified and personal details will not be published.

Q18 Are you responding as...? Please tick all that apply.

- A local resident
- On behalf of a local business
- A voluntary, community sector organisation
- A parish or town council or local councillor
- Other

If other, please state:

Q19 **Please tell us your postcode.**

This is used for analysis purposes only.

Q20 What is your age?

- | | | |
|-----------------------------------|-----------------------------------|--|
| <input type="checkbox"/> Under 18 | <input type="checkbox"/> 35 to 44 | <input type="checkbox"/> 65 to 75 |
| <input type="checkbox"/> 18 to 24 | <input type="checkbox"/> 45 to 54 | <input type="checkbox"/> Over 75 |
| <input type="checkbox"/> 25 to 34 | <input type="checkbox"/> 55 to 64 | <input type="checkbox"/> Prefer not to say |

Q21 Are you?

- Female
- Male
- Other
- Prefer not to say

Q22 Do you consider yourself to be disabled? **(Please tick all that apply)**

- No
- Prefer not to say
- Yes - Physical impairment, such as difficulty using arms or mobility issues which may mean using a wheelchair or crutches
- Yes - Sensory impairment, such as being blind/having a serious visual impairment or being deaf/have a hearing impairment
- Yes - Mental health condition, such as depression, anxiety or schizophrenia
- Yes - Learning disability/difficulty (such as Down's Syndrome, dyslexia, dyspraxia) or cognitive impairment (such as autism spectrum condition)
- Yes - Long standing illness or health condition, such as cancer, HIV, diabetes, chronic heart disease or epilepsy
- Yes - Other (please state)

Q23 If yes, please, please tell us how this affects the way that you access or use council services.

Q24 Please tell us your ethnic origin

- | | |
|--|--|
| <input type="checkbox"/> Arab/Arab British | <input type="checkbox"/> Mixed/multiple ethnic group - Other |
| <input type="checkbox"/> Asian/Asian British - Bangladeshi | <input type="checkbox"/> Mixed/multiple ethnic group - White & Asian |
| <input type="checkbox"/> Asian/Asian British - Chinese | <input type="checkbox"/> Mixed/multiple ethnic group - White & Black African |
| <input type="checkbox"/> Asian/Asian British - Indian | <input type="checkbox"/> Mixed/multiple ethnic group - White & Black Caribbean |
| <input type="checkbox"/> Asian/Asian British - Other | <input type="checkbox"/> White - English / Welsh / Scottish / Northern Irish / British |
| <input type="checkbox"/> Asian/Asian British - Pakistani | <input type="checkbox"/> White - Other (please state) |
| <input type="checkbox"/> Black/African/Caribbean/Black British - African | <input type="checkbox"/> White Irish |
| <input type="checkbox"/> Black/African/Caribbean/Black British - Caribbean | <input type="checkbox"/> White - Roma |
| <input type="checkbox"/> Black/African/Caribbean/Black British - Other | <input type="checkbox"/> Other ethnic group |
| <input type="checkbox"/> Gypsy or Irish Traveller | <input type="checkbox"/> Prefer not to say |

If other, please state:

Q25 Are you currently, or have you previously, served in the UK Armed Forces?

- No
- Yes - currently serving
- Yes - previously served in Regular Armed Forces
- Yes - previously served in Reserve Armed Forces
- Prefer not to say

Please return your completed questionnaire to Freepost SGC, South Gloucestershire Council, Insight and Engagement Team, Council Offices, Badminton Road, Yate BS37 5AF

Please return the questionnaire by 3 October 2022.

Any personal information that you have supplied will be held by South Gloucestershire Council in accordance with the Data Protection Act 2018 and UK General Data Protection Regulations (UKGDPR) 2021. This information will only be used as part of this exercise and personal information will not be published or passed onto any other organisation. Your personal information collected as part of this survey will be kept for two years to help us improve services before being securely destroyed. Our privacy notice, which explains how we will process your personal information, how long we will retain it and your rights as a data subject, is available at www.southglos.gov.uk/privacy