



Appendix 3

List of Open Comments

Let's Talk Electric Vehicle Consultation

June 2021

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If unlikely/ very unlikely to consider purchasing an EV please tell us why?

Don't know enough about them and need to see how reliable they are in years to come
I travel longer distances often and am concerned about travelling longer distances regarding charging etc as the infrastructure across the UK as a whole is not suitable, plus I'm personally unsure about the convenience and cost of prolonging my journey having to stop to charge for longer periods/possibly overnight.
Lack of charging locations and the cost
Cost to purchase EV. No charging points located on street or town centres
My husband works in Health and Safety and is wary of the current batteries and the complexities if they catch fire. I would definitely consider an electric vehicle in the future when technology is improved.
The cost of the vehicle
Cost
No off road parking so charging would be difficult.
We currently run a small city type car that qualifies for zero RFD. The car is of an age that would not lead us to change in the foreseeable. Currently also, the cost for new EV's is prohibitive and there are few used car options.
No facilities to charge.
Cars with a suitable range are too expensive and the government grants are poor also the charging infrastructure is pathetic
Cost and limited distance to be able to travel without charge
Because of my age. Its possible that I have bought my Last! car. I find Ques.1 hard to answer as you should define the vehicles propulsion system.
They are just not practical in the valleys and charging them takes forever. As a carer i need a car that is ready to go should an emergency occur.
Too expensive, very few charging points
Expensive vehicles, no infrastructure for them, not enough available land to build all the required charge points.
Too hard to charge at home on a busy street
Could never afford one and use my car for work and travel a lot with it, could never wait to charge the car or i would loose money and jobs.
Too expensive and the technology is not up to it yet.
Not enough EV charging points around the area and long trips would be difficult due to lack of EV charging points nationally. Also concerned that EV batteries have a relatively short lifespan and replacing them currently is very expensive.
Lack of knowledge on how to recharge and sites available for recharging.
No where to charge the car. As most people who live in a terraced house.
Cost

Lack of charging facility as a cable from my house would have to cross the public footpath and my garage is in a culdersac away from my house with no means of having my electric supply to it
I live on a terraced street without designated parking and it is difficult to see how the car could be regularly charged
Too expensive. No way to charge it. No certainty I can park near my house let alone outside of it as I live in a terrace street
I would be tempted if there were facilities to charge
mainly the present cost of purchase. But do not believe that this present government will be able to provide the invest structure to support electric vehicles. Perhaps should concentrate on larger vehicle firstly buses lorries trains etc
Cost is prohibitive
Electric vehicles aren't the future. Hydrogen powered is the future. I own 2 Hybrid vehicles, I like that I can drive anywhere and fill up quickly, like I could with hydrogen.
I don't think there will be enough rapid charging points to cope.
Unable to charge at home and even with a point, no guarantee to be able to park outside my house
They are too expensive
I'm not sure how the electric car will be charged as unable to park vehicle outside my house due to busy road for parking
Have to park across the road from the house. Chargers now widely available.
I'm unlikely right no as I live on a main road and have no way of charging an EV whilst parked at home. If I had a driveway it would be different. I would however consider purchasing a self charging hybrid.
Lack of charging facility on street
Unable to plug in outside house, parking would need to be percific to that house. Most houses have 3 cars
Not practical at present
Impossible to charge on a terrace house
Husband is a mechanic - prefers diesel/petrol cars, is aware of many issues with electric.
Why should I spend more money on another vehicle
Cost. Limited charging points. Fear of not being able to charge on long journey. Charging time
No charging facilites
no way to charge at home
They are expensive and only really allow shortish journeys at present and they take too long to charge

<p>Currently i have no means of charging such a vehicle and so it would be useless to me</p>
<p>I can only park on the road by where I live and its highly unlikely I will ever get a space outside my house.how on earth will it be possible to run a cable from my house over a public pavement to charge a car I could never afford</p>
<p>Battery technology needs vast improvements to enable me to do my job</p>
<p>No place to charge it, cannot guarantee parking outside the house</p>
<p>Live in a terrace as do most of the valleys residents, how are we meant to charge cars at home??</p>
<p>I can't afford it. They are way too expensive</p>
<p>cost,don't think they will be enviornmentally friendly in the long run as they also have batteries which will need replacing at a cost ,also the range of mileage is poor and finding a place to re charge en route</p>
<p>too expensive,Lack of range and time to charge on lone journeys</p>
<p>Can't afford one electric vehicle let alone two</p>
<p>They have a very short range of about 30 miles are very expensive to buy and then the rental of the batteries is very high, for those of us that live in a terraced street charging would be impossible. Also an electric vehicle would take away my right to tow a caravan and do what I love doing. - caravan Holidays in Wales. Electric cars are OK if the owner wants to travel a few miles a day. The practicality of on is pretty dire.</p>
<p>The lack of charging facilities, parking is difficult where I live with neighbours having two or more cars per household. Those with drives and garages tend to park in the street on the pavements their preferred choice it seems. We have 2 cars one kept on the street one in our garage that is built away from the house in a row of 4, with shared access, we are the only ones using it to keep our car in. No possibility of running electricity into it. Also inconsiderate parking from neighbours living alongside the entrance means the drive frequently gets obstructed, despite this being raised, any workmen often block our drive whilst leaving their drive big enough for four cars left clear, but it's not used for cars they regularly have up to 4 family cars parked on the road and pavements. Also how many new builds with garages quickly convert the garage into a room or storage after purchase, so never used for the car. There is also the time it takes to charge, on long journeys such as holidays etc or even a day trip, the time to charge would add hours into any trip, and lack of charging points in partice rural areas will be problematic with stalled vehicles possibly blocking country lanes. The whole thing is a knee jerk reaction and not properly thought through.</p>
<p>We cannot afford to buy a brand new car so our only option is to buy second hand which invariably are either petrol or diesel.</p>
<p>Battery driven cars do not take into account the impact on the environment of the production of batteries themselves or the disposal of them. They just move</p>

<p>the problem further on. Furthermore the energy needed to power the batteries is not necessarily coming from 'clean' powerstations. You might as well burn petrol as use energy from a coal fired powerstations and nuclear powerstations may not produce co2 but I'm not convinced that nuclear waste is a better by-product.</p>
<p>Depends on the cost</p>
<p>couldnt afford one</p>
<p>Expensive. Not enough miles from a charge. No infrastructure....but appreciate this will improve</p>
<p>Cost, plus Battery replacement costs.</p>
<p>Electric cars are to expensive to buy and on top of that you have to buy home charging points. There isn't enough charging points in wales. Charging times is much longer than filling up with fuel, and in the fast paced world we currently live in puts me off buying one. Battery issues seem to be a big issue causing cars to catch fire which puts me off buying them. Electric cars are very quite and when out riding my bike I like to be able to hear the sound of the engine so I'm aware they are behind me.</p>
<p>I CANNOT charge a vehicle at home , also I cannot afford to update my boiler so why should I invest in expensive technology.</p>
<p>I don't have a designated parking space in which to charge an electric car</p>
<p>currently no access to charging point.</p>
<p>I have nowhere to charge my vehicle plus my mileage is high needing regular charging on an "every other day" basis</p>
<p>They simply aren't environmently friendly. Look at what it takes to obtain the raw materials to make the batteries and the peer sauce used to charge them. I renewables we don't have the capacity, also people don't want more nuclear plants so that leaves coal and gas being the only viable option.</p>
<p>Lack of charging points, can the national grid cope? the car is still being powered with energy from burning fossil fuels, it is still releasing CO2 in the atmosphere, not from the tailpipe but from some distant power plant. When it comes to batteries being recycled, it is still an expensive and ongoing process and most batteries are not being recycled yet.</p>
<p>Limited range and nowhere to charge</p>
<p>Can rarely park near house let alone charge a vehicle, double yellow lines outside house</p>
<p>Unable to charge vehicle at my address</p>

I am unable to park outside my home on a daily basis and would struggle to charge an electric car
How can people who have multiple vehicles at their home use the charging points if there's not enough to go around. On average each home has 2 vehicles or more for that family, how on earth would all these chargers be accessible for every home for every car, as previously stated, my home has 3 cars
I'm disabled no drive facility for charging
I couldn't possibly afford to change my car
Cost. Inconvenience
They are too expensive and not easily topped with electric as the charging units are few and far between.
The only parking space we have is across the road from our house, I do not think that charging a car will be possible with such setup. Also electric card are not as good as hydrogen ones, I'd rather wait for the latter to become widely available.
i have no means of charging it
Insufficient charging points and unsafe leads coming from house to car across pavement. I've bought a self charging hybrid instead

Would the installation of a Public EV charging point near your residential area increase the likelihood of you owning an EV? Please tell us why?

The Price of EV cars are still quite High
I don't know enough about electric vehicles in the first place
Charging needs to be exclusive, charging takes so long it is not practicable to wait for others to charge before you.
I'm not concerned about charging as I am fortunate enough to have external plugs on my private driveway.
it will be easier to charge the car without travelling long distances
It would depend on how accessible it was, how near my home it was and also how secure it would be
Locality of charging point to home/work office would influence the decision to buy an EV. If charging point was accessible daily and within close proximity to my home/work (end of street/office car park) the answer would change to definitely.
Can do it off road
I drive to the rail station to catch the train to work so I could charge the vehicle while I am at work.

As I am fortunate to accommodate my own charger it would be more economical to charge over night
Depends on location and the cost of the vehicle
Not necessarily in my residential area, as if I had an electric car I'd likely charge at home, but knowing there were charging points within RCT to know I could charge whilst at work or whilst shopping for example would be important
I would only be prepared to charge an electric vehicle at my home. I would not be happy to park my car in a car park/on-street in my locality due to the inconvenience and potential security issues
Cost of EV vehicles remain considerably higher than ICE vehicles, when prices are similar I would be more likely to purchase an EV.
As it would allow for more regular accessibility to alternative charging to my home system
EV charging point at home would be more suitable but a nearby public charging point could be utilised when necessary.
A charging point closer to the residential area would be a significant factor in whether to own an electric vehicle as there are only limited places where an electric vehicle can be charged in other places at the moment and usually these are quite limited in number.
The range on electric vehicles is still fairly low for my liking so having more charging points for example when I am shopping or using the leisure centre would make using an EV a lot more convenient.
I would assume I would have little need to charge near my residential area as I would have charged the vehicle from home.
Confidence and convenience in ability to easily access EV charge point.
I need my own charging point at home to guarantee I can charge my vehicle, public points near my home may all be in use and I am left unable to charge. Living in a mid terrace home as most do in this area means electric cars are not the future.
High cost of initial EV purchase
IF you can't charge your vehicle then what is the point of owning one
To improve the environment and more cost effective in the long run
Because I will not run out of battery, there are no charging points anywhere along the way. I drive across A470, Ty Elai and Pontypridd. At the moment my hybrid car only gives me 40 minute drive without loud music draining battery. At the moment that's the reason I own a hybrid rather than a full electric.
Distance from home to EV charging stations to home may be an issue.
The cost of purchasing an EV and replacement battery is more relevant to me.
I would have an off street point at my home but charging points near work would be more advantageous to me. I understand that in areas with on street parking only this would be a much greater benefit.
Convenience
Depends on level of use by others. Availability.

Electric vehicles are expensive, full charge for cheaper vehicles is short range. Charging is not quick, can add substantial time to journey. Not a good national network of charging points.
Currently there are no charging points that I know of locally, therefore that would put me off currently, but if there were convenient charging points locally then of course I would be more inclined to purchase one.
I would have one installed at home.
Infrastructure needs to be accessible in destinations not necessarily in residential spaces. Though some of the challenge in RCT is how residents can support their own charging needs without access to a private driveway for the most part i.e. terraced streets
It would need to be readily accessible and reliable before i would commit to buying an EV
I would rather install a charging point at home and use that one
If I bought an EV I would charge it at home. However, the worry for most is range anxiety but this could be overcome with a network of fast chargers assuming vehicles could charge in 5-10 minutes
It would enable me to charge the car
I currently charge through the 'granny' cable, which takes all night, a public EVCP that was a fast or rapid charger would make charging much more convenient.
With no off-street parking in our area, it is impossible to own an electric vehicle unless public charging points are available.
It allows for more flexibility. I can use my own charging point overnight but if I need a quick charge, a public point is better.
If we could bring the vehicle cost down and recharging is more freely available locally you would have to examine the option
Have my own drive
I cannot see how a charging facility could charge dozens of cars.there will be war with niebours
I already have a full EV and am lucky enough to be able to park outside my house most of the time so I can charge by running a cable to the car.
Without the infrastructure people will not want to adopt EV, people want convince. EV charge points make the locations, destinations for EV owners. If I have to choose between a visit to place with or without a charger. I am always going to choose the one with the charger.
ease of use
It would be easier to charge cars rather than having to travel several miles to charge one and wait for it to charge
For convenience would probably choose to charge vehicle at home. However access to a charging point at work would be much more attractive especially as I drive quite a distance to work.
One of the barriers to buying an electric car was the lack of local charging points
Climate emergency needs to be addressed
I couldn't afford a new car.

<p>A charging station within or near residential areas is essential. If people have to walk further than 5 minutes to charge their car, I believe this will deter people from wanting to purchase EVs. Ideally, people will want to charge their vehicles very close to their homes, however, I am not sure how this will work in residential streets of the Rhondda where free space is already limited. The only feasible way of installing on-street EV charging stations would be to put them on the pavements of roads, but with the high number of cars parked in each street, there will need to be a lot of charging stations which in turn will reduce the number of parking spaces. An alternative could be for EVs to feature removable batteries that people can remove from their cars and take into their homes to charge, although this assumes that the batteries can safely be removed and transported by hand.</p>
<p>if I can't charge the vehicle I can't use the vehicle</p>
<p>I Currently have an EV but the infrastructure and Rhondda is terrible. And I worry any new points installed to monetise and make profit from EV owners.</p>
<p>If there are sufficient numbers and I can book a regular slot, then yes I would be interested. If there is only one charging point and a charge takes a number of hours, the number of cars that can be charged overnight will be one or two at the most. Therefore, I would then need an alternative. If there were a bank of charging points, then I would be very interested in purchasing an EV.</p>
<p>Convenient</p>
<p>If it is not outside my property then security of the vehicle would be an issue to me parking away from home.</p>
<p>Needs to be easy and cheap</p>
<p>Always worry about travelling distance and not able to recharge</p>
<p>Energy costs too high on the high street, not guaranteed to be available to charge, not efficient use of time, when I can charge at home (overnight) or work (during working hours) ok.</p>
<p>I assume that I would add a charging point in my garage</p>
<p>Because we have a drive, we could charge at home. My son lives in a terrace and would have bought an EV if there had been street public charging.</p>
<p>It would need to be close to my home, I would need to be guaranteed access because a lack of car charge means I can't get to work. I would be concerned about vandalism</p>
<p>I would really need a charging point at my address first. A grant scheme or payback loan would be good. Then a network of charging stations would be a good idea.</p>
<p>Concerns about the liability of potential trip hazards (e.g. charging cables across pavements) is a concern to me.</p>
<p>Living in a mid terraced house means I can't park outside my house let alone charge a car.</p>
<p>1 charger will not be sufficient for all the houses</p>
<p>1 will not be sufficient for the number of houses</p>

Already have an EV
Lowest level of ev charging in Uk in one of the lowest levels of off street parking
Would probably charge at home
It's the way forward.
I would have the option for at home charging should we decide to purchase an EV. That being the case having a local charging facility will have marginal influence.
I Already own an electric vehicle and charge on my drive.
I have my own driveway so will install a home EV charger
On street parking only near me. If not able to charge at home or place of work, then how would car be charged!
It would need to be a fast charger no 7Kw
Yes , I would love ev points fitted around community hubs like sports clubs
I used to have a plug in hybrid car and despite having a garage at my terraced property the wiring there wasn't strong enough to support ev charging. This meant running cables to charge on the street which was not particularly practical or safe. A nearby fast charger would have been ideal.
I have a garage
Without public charging points it is impossible for us to own one as we cannot charge one from our house.
I can't park outside my.home. so a local charge point might work
If there were easily accessible charging points then there would be no barrier to owning an EV. However parking in valleys streets is a major issue and people "fighting" for parking space realistically I can't see how charging points will work. We need to do something about the amount of cars owned per household. Some living in terraced households have four or more cars. Where do people think parking spaces are going to be found.
Depending on where, how close to home?
Depends how close to house
I can't afford an EV no matter how many charging points you install
It has to be affordable for people like myself.
I would consider an ev but need to be convinced that they have enough range for what I'd use it for. However, numbers of charging points would need to increase dramatically to convince me, as my nearest charging point is Tesco.
I need to be be able to travel 200 miles between charging at good speed
I'm not convinced that a projection of 8000 electric car users in a population of 241,000 over 9 years justifies this sort of investment. There also seems to be issues surrounding the cobalt batteries used in these vehicles. The cost of the cars is also currently prohibitive. All of these factors tend to make me a little sceptical. Though I agree the concept in principle.

Age.
In a street of terraced houses many with more than one car it is unworkable
A charging point near the address is advantageous. But means having to travel to charge.
It would depend very much on where this charge point was located. My first choice would be to have a charge point where I store my car. I'm only likely to be using a public charge point when I am travelling away from home and I would then be looking for a rapid charge point. For example if I was taking my children to a sporting activity and found that I was running low on charge then I could use the hour or more that the car is sitting idle to top up the battery. Likewise if I was travelling to a meeting or an outdoor leisure venue and the car was likely to be parked up for an hour or more. I would not envisage using a public charge point as part of a daily routine.
If there is no access to a charging point, what point is there for me to own an EV?
People who have no off road parking need a solution to charge.
the cars are too expensive and charging will take longer than filling up with petrol, so I would imagine the charging points will be busy all the time. a massive amount of investment needs to be put in place.
Not everyone has the means to install at home. However any on street provision should not interfere with the width of pavements which are already impeded.
I would also strongly recommend provision of e-bike charging points. Lack of ability to charge an ebike significantly reduces my ability to swap my car for a bike long term. I currently do some shopping, including groceries, via ebike but range is limited.
who would be using it and when,there would probably be disagreements if people wanted to charge their vehicles at the same time
I'm not convinced by electric cars at the moment.
as stated in Q5
As I already own an EV I'm also lucky enough to have a home charger.
I would need to use a long extension cable to charge my car.
Price is still an issue for many
Won't be buying an electric vehicle as they are too expensive
Convenience of being able to access a point without needing to travel very far.
I have off road parking so I could use my own!
Literally no charging points in rct, not even in the shopping areas
I would aim to charge a vehicle at home before I leave
Would need a high volume of charge points in the valleys
I cannot park outside my house and we have 2 cars the closest I can get 22 cars to my house is 25 - 30 metres away where a charging lead would have to cross a main toad and a pavement. So it wouldn't be practical.

If the area had local EV charging points it's more attractive and makes the move to EV more likely sooner rather than later.
Number of cars in my area, most households have two or more per house.
Have no time to wait due to work commitments and have 2 cars in my household
I had a Nissan leaf 3 years ago and very much enjoyed it. However lack of charge points or miss user of those charging space by non EV cars, ment home was only place I could charge, rather than while I shopped or out & about.
I have no idea if I will replace my car when my current car is no longer working as both my Husband and I will be retiring in 3 years time so we will go down to one car which hopefully will last us years to come.
Having heard of the difficulties in owning an EV due to the lack of charging points on many journeys, seeing more available points would definitely give me confidence to buy my own EV as I would be able to see the convenience in charging points. At the moment the lack of points deters me completely from owning my own EV.
Independent fuel stations are declining in number and I need to go out of my way to get to a supermarket to fill up.
This does not affect me directly, but I cannot see how this can be resolved in this area where the large majority of housing stock is terraced housing where parking outside ones home is very difficult for many
Worried about the safety of electric charging points and the batteries. (Fire hard for firebrigade to put out. Can't use water)
not having to travel would help
I really want an EV however the current lack of charging points is a stumbling block. I recently travelled to Winnersh Triangle and saw a petrol station like forecourt full of EV chargers. That is such a great idea.
As stated previously we cannot afford a new car.
I would be concerned if the take up of E vehicles took off substantially and there was only a few local charging points which would be in high demand. Not everyone has a driveway for plug in charging and RCT has a significant number of residents that live in terrace houses and flats / apartments. These residents would put a significant demand on local EV charging points.
I would have one at my house as I have a drive
Concerns around damage or potential safety issues with cables running across a public footpath
More accessible and better for the environment.
I would want a charging point outside my home.

Readily available public EV charging points in the local area would need to have the capacity to charge vehicles quickly which at present they are not able to without significant investment to increase the capacity of the national grid to manage such EV chargers.
Easier to charge
Due to the distances available on current EV's more opportunities to charge may improve rates of purchase. Also some people don't have the space to charge EV's from home.
Own Driveway
Because charging takes time and if it public charging point then other cars could be blocking it charging when I need to charge
I live on a terrace -- the likelihood of being able to get the car parked anywhere near a power supply is negligible. The roads where I live are constantly busy with cars using the shops and parking for short periods in the residential roads and most houses on the road have at least one car -- how would charging points be organised to get over this.
It's important that charging points are accessible before considering an electric vehicle.
It depends on how many, how close, how accessible and how expensive.
I plan to have my own wall charger
I think I would prefer a car that doesn't require charging
It would still need to be in a place where I am guaranteed to be able to charge my car when I need to
Range and usage of the vehicle are also factors that will affect my purchasing of a EV
people may not be able to use an electric vehicle without public ev charging point(s)
Range apprehension is an obvious factor in the decision
It would make it much easier to charge the vehicle and affordable
cost
Can't afford a new car. I buy second hand cars....which obviously don't have EV. Plus I believe this will be the case for a high percentage of people in RCT
It's not relevant as we are already fully electric, and we have at home charging so it would have changed it for us but for anyone in a terraced house it would be essential.
For convenience purposes.
It would make owning the EV more practical knowing there are more chargers available.
issues around accessibility and availability of charging points. Concerns around charging times, different charging systems, options and costs
We have a driveway.
I am also waiting for EV's to become more affordable but it would certainly be good to have local charging points
You'd have to sit and wait for the car to charge which wastes time.

Reliable, accessible Public charging points are essential for the development of EV usage.
I would like facility dedicated for our household that can be made available as near as possible to my house
Pensioners can't afford electric cars.
My understanding is that EV cars lose their charge more quickly than the equivalent petrol. As such I feel there needs to be more charging points than petrol stations for driver confidence that they are not going to be 'stranded' during a journey.
Please read question 4 comments if no, how likely are you to consider purchasing and electric vehicle.
A proportion of my car use involves return journeys of 150 miles to locations in rural Mid Wales. The issue is not local charging but charging in rural areas distant from home. Other journeys involve evening travel often in darkness and bad weather which of course depletes battery levels more quickly.
The ability to conveniently and reliably recharge an electric vehicle is essential and at present I do not have this facility at home
Would be out of order more often than not as many are now around the country. Due to poor maintenance and vandalism.
I will not go to a charging station just to charge a vehicle
It would make owning an EV accessible to more people
N/A
Easily accessible charging points would make an EV a more attractive option
Would depend on location and length of time it took to charge.
I have my own
Would the cost of charging at a public charging point be less than at home charging. We have no control at home prices and companies put prices up everyday. Would there be a consistent price. If I knew what I was paying for each charge at the time of charge I'd be more likely to use a public charging point than a home charging point
I live in terraced house and running the cable across a public footpath is dangerous!
Make it easier to charge
Just like traditional petrol stations, not everyone will be able to fill up at home
It may depend on the time needed to re-charge.
There is already one not far from me
Would consider both cars being electric if more easily accessible charge points were available across all counties.

<p>It would offer a possible charging point however if a number of residents also needed to use the same charging point it is likely that this would not be suitable for me as I work from home and need to be able to leave at short notice. If a communal charging point was not available I might not be able to charge my car and meet my work commitments</p>
<p>This question is not relevant as I already own two EV's</p>
<p>Ease of use</p>
<p>We live on a main road poor access to rear of property to come.</p>
<p>If I had difficulty installing or using a point at my home, I would have an alternative.</p>
<p>would have to way up the cost against petrol/diesel cars</p>
<p>Unable to park outside my home most nights and so charging would be a real issue</p>
<p>Whilst I have my own off street parking and charge my EV from my home, my father in law was looking to purchase an EV but as he lives in a terraced house and there were no nearby public chargers he was unable to purchase the EV and went for a petrol version instead. If there was on-street public charging, or funding to provide the chargers that get cabled under the pavements he would have purchased an EV.</p>
<p>I already own an EV vehicle but if I didn't, having a public EV charging point near to where I lived would increase the likelihood of me purchasing one.</p>
<p>A public charging location would provide mitigation against the failure of my own charger installation (I had a charger installed around 7 years ago but I have had no need for another car until now, the location move of my employer now has me looking for a second car as public transport is no longer comparable in journey time, my wife has always had the primary use of our existing car whilst she travels to work for RCTCBC).</p>
<p>I would be able to charge my car at my home as I have a drive, it is the availability of charge points along the road network for when I need to make longer distance journeys (e.g. to North Wales) that would be more important to me.</p>
<p>I have one at home</p>
<p>because I need regular charging for high mileage</p>
<p>As we have a drive we would plan on having a charging point installed at home. However when travelling further afield it will be essential that charging points are available at regular intervals throughout the country.</p>
<p>Because I'd be able to charge the vehicle</p>
<p>I have off street parking so would not need to use a public charge point - others who don't have a driveway would though</p>
<p>In our house we have one ev and hybrid. I have to drive 20 - 30 minutes to charge it on fast charge.</p>
<p>I charge from home, but on the other hand if I could not "home charge" then my answer would have been definitely! People need to feel secure in that charging points are at least accessible as petrol stations are.</p>
<p>Cannot see how sufficient Public EV charging points can ever be viable for drivers living in Valley streets.</p>

<p>There are double yellow lines outside our house, which are now pointless as it's not a main road anymore so we had planned to buy an electric vehicle last year but couldn't be cause we are unable to park outside our house to charge it.</p>
<p>Due to lack of offstreet private parking, a Public EV charging point seems crucial to my likelihood of purchasing an EV</p>
<p>As we have our own off street parking, we would most likely install our own charging point.</p>
<p>Due to the increasing need to turn to EV or plug in hybrid and the fact that the majority of RCT homes are located in terraced streets with issues around running cables over public foot paths to charge your vehicle the introduction of kerb side of street column charging points are a infrastructure must. If charge areas were to be considered then theses must be secure and monitored. We own a plug in hybrid at present and with our second car due for renewal soon I would like to go to an EV but need the infrastructure to support this move throughout RCT.</p>
<p>Availability of a charging point near me would mean I wouldn't have to travel far in order to charge my vehicle. Accessibility to a charging point would offer convenience and definitely increase the likelihood of me getting an EV</p>
<p>I have a home charger but when my husband gets an electric car we'll have to take turns charging. Be good is there was a charge point in the area.</p>
<p>For me its the main reason I cant get an electric car</p>
<p>Its still the cost to purchase these vehicles as the main barrier</p>
<p>Read my previous statement again !!</p>
<p>Less travel time when I'm guessing it will take ages to charge anyway</p>
<p>The cars are too expensive to buy</p>
<p>I would like to park my car and van close too the house to charge due to charging issues.</p>
<p>Easy to change</p>
<p>Better for the environment and remove the use of diesel and petrol vehicles.</p>
<p>i live on an estate with over 500 hundred houses with over 1000 cars, not possible to have charging points for all. will the lithium batteries end up in land fill</p>
<p>I'd be interested to know how a public EV charging point would work and how it would be charged (cost wise) compared to the cost of charging from your home.</p>
<p>Public EV charging points are fine for leisure centres etc but what about when you're parked up overnight? Or need to get somewhere in a hurry - you can't always bank on being able to go to a designated spot to charge, that would be shared with others.</p>
<p>There needs to be more than one point locally.</p>

<p>There are a lack of charge points around the entire UK, so it would be very good if RCT led the way in making the required changes for the way things are going in the very near future. Currently if you are unable to install a charge point for your own driveway etc, there would be no feasible way of charging your EV at home.</p>
<p>Car would be vulnerable to theft parked away from home</p>
<p>electric vehicles are not currently practical for my usage</p>
<p>There needs to be a charging point outside each property</p>
<p>It may make it possible to actually charge it, although I don't see how EV points would be able to be installed on main roads with congested parking.</p>
<p>Not many public charging points in the area</p>
<p>Depends if it outside my property ,in order to have a e car a designated parking area at each property ,this will only work for one car at that property ,so if there is a number of cars which it is then that a problem ,as I only have one car that would be good ,to unlock a barrier so only I can park and charge .</p>
<p>If we did purchase an EV, we could charge it on our driveway, other residents living in terraces only with access to on-street parking may find this whole business much more difficult without a proper infrastructure of charging points built into the kerb-side.</p>
<p>I would prefer to use a charging point close to home, instead of using the one at the local supermarket as this will encourage me to go into the shop while the car is charging. I would prefer to charge my car while I am at home so it does not take time out of my busy home life.</p>
<p>To reduce our carbon footprint we need to change the way we travel and this is a great way forward</p>
<p>Accessibility of charging points would be a contributing factor in my decision to using a Public charging points.</p>
<p>Would mean the investment would be less significant.</p>
<p>The real convenience of EV's is being able to charge at home. While a public charging station would be useful I would likely have to wait until I have a property with off-road parking to own one.</p>
<p>Cost, fear of leaving the car in an area of high vandalism</p>
<p>To enable us to use the vehicle with confidence and reduce running costs</p>
<p>Ev charge points should be placed near community facilities like sports clubs for example. People go to take part in an activity and could be charging their ev vehicles whilst this happens</p>
<p>Super fast charging at numerous in local areas to avoid delays</p>
<p>Nothing to stop anyone removing the charging lead</p>
<p>I feel that Public EV charging points are open to abuse where people may deliberately vandalise them "just for fun!!!" Also if electric vehicles become prevalent, then all homes should have charging points fitted. Unfortunately in the valleys, this is not practical, or indeed possible.</p>

<p>Although I agree that this would certainly help to remove barriers to buying an electric car, I feel an even bigger barrier is the cost of electric cars. At present they are extortionately expensive and at this point in time I can't afford one. If prices came down then that would make it far more likely that I, and I assume many others would buy one.</p>
<p>Most of the houses in the valleys are terraced houses with no frontage to them where are they going to charge their cars?</p>
<p>it will be chaos, there isn't anywhere local to put one. Would require our own</p>
<p>If there is one charging point shared between 20 vehicles I may struggle to charge my car when needed</p>
<p>It would be difficult for me to currently have a charging point installed in my house as my garage doesn't have good access so I park on the street, if I buy an electric car I would need to access public charging points so the more the better.</p>
<p>There is no parking spaces available by my terraced property</p>
<p>I only have on street parking, so need a local charging point</p>
<p>No, people have cars for convenience, why own a car that you have to park away from home to charge, then having to walk home, what about disabled people, people with babies and young children? How do you expect them to manage</p>
<p>Availability needs to be just like petrol stations with rapid chargers</p>
<p>With private off-road parking I can have a domestic wallbox charger fitted where I would charge from most of the time.</p>
<p>Not interested in owning one</p>
<p>We are motability users and we will only have the option of an EV in 9 years time it is very likely we would choose one before</p>
<p>Errr... to charge my car.</p>
<p>As it would be in demand</p>
<p>There is waste land which could be easily accessed at the rear of my property</p>
<p>Because I can charge at home. Having more at shops would be useful</p>
<p>I'm not able to park outside of my house due to an oversubscription of parking permits and would be concerned that I'd be unable to charge the car at home.</p>
<p>Can't afford an EV</p>
<p>I drive a company vehicle.</p>
<p>Charging is a real issue for anyone contemplating getting an ev</p>
<p>People always blame the charging infrastructure for why they don't want to consider an EV, or that they don't go far enough. The government is committed to zero petrol/diesel cars in 2030s, we simply have to improve accessibility to chargers for those who do not have off-street parking!</p>
<p>I have to think of the distance I can drive on my battery before every journey.</p>
<p>More charging points are required to give people confidence that they will not run out of charge on a journey.</p>

I would want my own private charger at home
people need charge points, no charge points mean no power. the upper has NO EV points- Shameful! They also must be 50kw points, pointless installing 7kw drip feed.
Can't afford one as is, and what's the point in using electric cars if the electricity used to charge the car is generated from non-renewable sources
Makes no difference
Limit walking ability.
Not for me because I have my own point at home, however for visitors to here there is an essential need for public access to charging wherever a car is parked for any length of time
There is very limited charging infrastructure in R.C.T. compared to other areas.
It's not so much in relation to my residential area, I would want to know that there would be lots of charging points all over the country so that if I was going on a journey, I wouldn't have to worry about getting there and back on one charge.
Unable to install charging point in the communal garage.
I doubt that a public facility like that will be a reliable solution.
I need on street charging facilities
I only have on-street parking
It depends how accessible they would be, and whether they would meet demand, i.e. you wouldn't have to struggle to access a charging point.
It would depend on location and usage/how long it takes to charge etc. If it was only one or two and they took hours to charge, it is likely that the demand would far outstrip what it can deliver and if you can't rely on being able to charge when you want and need it, it won't work
As I already have an EV and available charging, this is not a factor that affects me, although I agree that available charging is a necessity for ownership, however a few caveats apply. Charger type needs to be considered in relationship to dwell time (e.g. Lots of 7kW, or even 3kW chargers in places where cars will be parked overnight is very useful) Rapid chargers of 50kW + are great for top ups, or in case of an unexpected journey, when the car is low, but many EV's can consume significant power when parked and idle, so charging once a week at Rapid chargers, whilst better than no charging, is not like filling a car with petrol and leaving it unattended, Some EVs which are left with 80% charge on a Sunday evening, may have well under 50% when used the following weekend.
Convenience
Not for me but I have a garage. For everyone else it's on street parking on a narrow road of terraced houses, so I would strongly support installation. However I still don't see how it's going to work as there is not enough parking for everyone at the moment.

There are no public fast chargers in RCT. It's a big area with terrace houses, and nowhere to charge. It's that simple

I would rather have my own secure charging point at home.

Would you be happy to charge your vehicle in a remote hub / location? Please tell us why?

If it is easily accessible

Possibly an isolated area, so would feel vulnerable when alone

Insurance restrictions and costs

concerns regarding theft, having to wait in the vehicle and personal safety if too remote.

It would depend on security etc. Also accessibility. Covid has brought out the best and worst of us, if spaces, time etc were limited, or abused, people may show impatience in anti social ways.

As long as the remote hub was within a 10 minute walk to my house/work

So long as it was adequately secure

Safety and inconvenience

Place of work of visiting will give me opportunities for a top up

My wife is the primary driver, therefore safety reasons

I think I would charge mainly at home overnight but happy to charge in a hub location if located in a shopping area etc.

Inconvenience and security

If it was a speed charging station, then yes. We travel to fill up with fossil fuel now, so why not the same for EVs?

Security and convenience of use.

If it was on my way somewhere or I was using the facilities somewhere I would be happy to use a remote hub

I would have concerns about damage done to the vehicle whilst out of sight from the home. However I understand the publicly provided charging point will not cost myself the initial installation

More convenience if more locations are available.

inconvenient and what if in use?

If I considered purchasing an EV I would want to connect via my household electricity

Hassle

<p>if i couldnt have a charging point near my home, then as long as there was an alternative close by, i would definately look at buying an electric car, as my milage is low</p>
<p>Because it will enable me to run my hybrid mainly on electric rather than still using unleaded fuel. At the moment I only get approximately 36km(electric battery) out of a 105km which I drive for my routine inspections. In order for my car to recharge I will have to stop al least 2 times along my route to recharge battery.</p>
<p>Security of the site would be an consideration. Site accessibility/closeness to my home/place of work or day-to-day business/activity would also influence my decision.</p>
<p>If necessary then I would be willing to do so as long as vehicles are protected from interference at the location.</p>
<p>Safety and security.</p>
<p>Happy to charge away from home, but only if it's relatively quick. Could be problems with personal security with waiting at charging points. Would there be any effect on elect. supply if everyone is charging vehicles over the day?</p>
<p>If there were chargers in my place of work then yes of course I'd be happy to charge my car there but if I had to travel to a certain location to charge my car then that wouldn't be convenient for me and therefore I wouldn't purchase an electric car just yet.</p>
<p>I am considering buying a vehicle and would need to arrange my visits / breaks around ensuring enough charge for the journey home.</p>
<p>Not sure what this entails ?</p>
<p>ditto 8</p>
<p>Security issues</p>
<p>Depending on where it was and if I was comfortable with it I would do it</p>
<p>Aslong as it was accessible it wouldn't matter - I'd be driving a car there, after all!!</p>
<p>I would be worried about the security of my vehicle</p>
<p>If there are amenities nearby I can use these while the car charges.</p>
<p>Fast charging points need to be installed across RCT. Please don't install in places where the charging point is going to be tied up all day by one user - eg a commuter using a space in a train station park and ride location. This will prevent other users accessing the facility. Make sure charging points are in places where people stay for short periods of time - eg costa coffee, KFC, Supermarkets etc - fast chargers where people only stay short periods of time. That way there will be sufficient supply.</p>

If it was at a supermarket, leisure centre or in town somewhere where I was staying for a period of time, I'd be happy to leave charging
Have my own drive
Having time to do that through the week beside shopping working ect it's time consuming.
If I couldn't park outside my house I'd use a hub.
RCT has a lot of terraced houses, there is simply not going to be the option to add in on street charging points. Normalising the use of a Hub would be a great way of overcoming this barrier for residence.
I am the Headteacher of Ysgol Ty Coch Special School and Acting Headteacher of Parklane Special school. We are committed to being an eco-school and would to install some EV charging points in our car parks for staff and the community to use
Risk of being broken into. Also if charging overnight and it was needed getting to the car in the dark to these locations would be an issue.
If it was at my place of work. Otherwise would prefer to charge at home. Reasons are related to convenience and time it would take to charge vehicle.
It depends on the definition of remote. There is waste land areas under my street, which with lighting could be made safe - then yes. Miles away and needing to catch buses in a park and ride - no.
Depends how secure the location is.
There is already not enough time in the day, and for people to have to go out of their way to travel somewhere and wait for their car to charge will definitely reduce the popularity of EVs.
security
As long as the charge speed is sufficient and warrants the work.
As long as the site is secure and within a short walking distance to my home
Unsecured, possible vandalism
As above, security
Don't want to park away from my house
Need to wait
See answer to 8
Depends on the location
Less convenient. But, having looked online there are real advantages in terms of speed and number of vehicles. Actually looks good.
Only if the location was secure or had some sort of cctv.
It would depend on how long it took to charge, distance from my home etc

A car is for ease of getting around and being able to just get in and go. If you have to walk 5mins away it would be like catching a train so there would be no need for the car. Then you don't take that transport but get a petrol car instead.
A charging hub would be of interest but security of the vehicle would be a concern.
Security and convenience
Why should i leave the car somewhere when i have a drive?
No security for the car
No issue which using a shared charging point though cost would have to be as cheap as domestic electricity.
Depending on how far away it is
Inconvenience
If a hub is available this needs to have sufficient capacity to permit in-out charging allowing for time actually connected to the charge point i.e not having to queue for any longer that would be the case at petrol station.
Not Practical
Depends where it is located - less likely to do so if located in a 'remote or secluded site'.
Depends on security and distance. Normally takes a while to charge so if needing to charge once per week, depends how disruptive to life it would be. You don't want to have to plan everything around being able to charge you car and having to wait around with it. Availability of charging at employer would make a big difference.
Depends of the availability of free points and security for my car
I don't need to
Petrol cars are also fueled remotely
I am disabled and can't walk far.
If remote does that mean in isolation? If so not particularly safe.
Safety concerns
Security of vehicle amd convenience
What's the point of having a car if you have to walk in bad weather to get it from the charging hub?
Providing that there are sufficient points for people to use. Waiting for a place would cause an issue for those who are in a hurry
If I own a Car, I want to know that It's safe and secure (to some extent). It also needs to be convenient (which is the point of owning a Car.)
Unless all households have them then only solution
How is remote defined ie is it a remote place, or something automated?

I do not understand the Question. Can home charging be safely done from a Terrace house ,if it requires a cable crossing the pavement?
I need my car available 24 x 7 should an emergency occur
Why would I do that?
Security risk/higher insurance costs
Just build some chargers in rct.
depends on how far it is from home/ work. depends on how long it takes.
Unsure why this is quantified in minutes walked.
I would prefer to have my vehicle outside my house, however I am currently unable to charge it outside my house
safety concerns ? what time of day you would be using it
If I'm going to charge my electric car I would want something at work or near to my work place, or somewhere there is public access to shops etc while its on charge.
because I do not intend to buy one.
Home charger available.
I need my car close to my house due to the amount of equipment and other stuff I take with me to work.
Remote sounds like in the middle of nowhere
Need more information
To charge it.....
Nice to charge car where you have other facilities like coffee food etc
Security concerns
Higher risk of it being stolen or meddled with
Why would I want to park my car away from my house and leave it open too theft and vandalism. Also where would you build these hubs in the overcrowded side streets of the valley's?
Depends how rural / good the area the hun is in
Car theft, damage to car and no way to get from home to and from that remote location. Consider disabled drivers and their ability to do this.
Have no time to wait at a remote location for my car to charge, to busy to wait due to traveling for work.
Needs to be part of life, not an effort to get to
for convenience when out shopping
I would not want to be inconvenienced by needing to charge my car, it should be accessible as possible rather than having to plan far in advance to charge the car.
I'd have concerns over security depending on the location
Security, convenience
There are enough thefts of items from cars now. An unsecured car and lead would not be safe

Depends on your definition of remote. Just off the beaten track or serial killer country! I wouldn't travel to a location that made me feel vulnerable.
The worry would be that someone would unhook the cable and thereby leaving your car short of charge.
Depends on where the hub is. I also don't want to be waiting for my car to charge we live busy lives and I cant afford any 'downtime'. Workplace charging would be better.
Safety concerns and a small baby to transport back and forth
Want to charge outside my home.
This would depend on the accessibility of the remote location, transport links to and from the location, the level of security and the speed of charging
Unless there was security cameras in operation
Depends on location.
Convenience, security
Would need to be charged at my property
I am visualising vast car parks of cars re-charging. We need to reduce car use not increase it which driving to and from remote hubs would do .
Risk of vandalism/theft.
It will depend on its location and the security of the location
No - I want to charge at home and don't want to leave my car anywhere else.
Just another added responsibility onto an already busy day
IF I could charge up the vehicle while in work, this would be useful
safety
Depends on how secure the location is.
The location would need to be secure and easily accessible - i.e. close to home or workplace
It would depend on the facilities there, refreshments, entertainment, work spaces etc.
To recharge if required on longer journeys.
If the site was secure and safe, then I would be comfortable leaving my vehicle to charge.
Inconvenience, safety and security concerns
Criminal damage.
I would be happy to use this if needed, for example a long journey but would prefer to do it at home probably
People could disconnect the charger. Takes too long.
Typically, remote locations lack charging facilities
Inconvenient, planning, having to wait while being charged
Why not. Petrol stations are remote locations/sites.

to inconvenient and plus you have to wait 1 or 2 hours to have 30 miles driving. With a petrol and diesel car you pull up fill up and drive away
Vehicle would have to be left for a considerable period of time. Possibility of queuing for use of a charging point. Possibility of vandalism rendering charging point inoperative. There are too many charging station operators often using different connectors and requiring membership of their network before the charging station can be used. There are frequent reports of malfunctioning charging stations. Some use credit cards and others require a phone app. The charging network needs to be rationalised so that everyone can use every charger. Not a happy experience if you travel to, say, Aberystwyth and find that the only charging points are run by suppliers to whom you don't subscribe. What do you do then?
Hypothetical question know this is not going to happen
Why should i
Remote hubs are often better as there is a reduced risk of the spaces being blocked by non EVs
N/A
Centralised community charging points seem the most realistic solution
Security and having children/buggies etc
It can take a few hours to charge so how would I be able to stay for that length of time!
I would prefer to have space outside my property made a designated parking space to charge my vehicle.
Depends on how far as I'm disabled
Insufficient information.
Depends on security
I would prefer to charge it at home when I can do other things
Convenience and possibly less busy if remote location.
I would only be prepared to charge my car outside my house as I work from home and use my car for work
I live in Berkshire but I would love visit Wales in my EV for holidays if the EV charging infrastructure was improved
If en route on a regular journey, or town I shop in
I will have limited access to my Garage at the rear of my property.
I would prefer to charge at home.
if within close proximity and was accessible
dependant on the location, with a young daughter may not be practical

If it was within reasonable distance and there were facilities there to use whilst charging, i.e. coffee shop or other shops then this would be OK. It would have to be rapid charging though, such as Chademo or CCS chargers.
Worried about vandalism overnight if not close by
Willing to charge at a hub providing it is possible to walk home , the short distance is a reflection of the wet weather we experience in RCT.
Would be happy to charge it remotely if I was at that destination anyway, i.e. at work, supermarket or shopping.
Depends on the nature of the location
car theft and break in would increase car insurance and cost of excess
The hub would have to be near our house and secure to ensure no thefts.
I don't see a remote location as a workable solution. Outside people's homes is the best way, eventually.
If this hub was somewhere near to where I live or was visiting for another purpose such as shopping tc.
I don't know what that actually means? Remote location? not really!
Because of time required to fully charge battery.
I don't see why I should drive and sit somewhere to wait for my car to charge.
I would want the facility to be secure
As described above
As long as the demand wasn't too high and waiting times long, I think this would be a great public facility and would contribute to a wider consideration of decarbonisation to benefit the local and wider environment
Depends on location
How long does it take?
Possible increase in insurance and for safety reasons
Safety/car theft.
Security, and accessibility.
convience
It would all have to depend on proximity, cost, length of time it takes to charge.
If I only have street parking, this would be the only option.
Inconvenience
while at the shops or gym
If battery is low may not have enough charge to get to the hub
Not practical for everyone especially people with mobility issues, nor would I want to keep an expensive EV away from my property where it could be damaged or stolen.
Asking as the security

Safety of my car
Would not feel safe. It would also be less convenient. Happy to do so at supermarket or similar however.
Theft. I would prefer to charge my car in a well lit area where I would be confident to walk home and return to my car without being a victim of crime
As above
it would be dependant on location.
Less convenient with the long charge times and possibly increased costs. Charging at home much more convenient.
Have health issues
I think charging it locally would be a good option to reduce costs
Local community charging area
Security issues these cars are expensive
Nothing to stop anyone removing the charging lead
Because I would be concerned that the charging points would be targeted by vandals. Also, I would not like to leave my vehicle in a remote location to be charged overnight unless there were security precautions in place.
I don't know what that is
You would not want to leave your car in a remote area
im a single parent its not practical
Depends on the location and how remote? As a woman, I'd have to feel safe.
The reason I would have vehicle is I rely on it for work
I don't have the facilities at my home, so happy to drive somewhere to charge- especially if it's somewhere I can park/do something else whilst it's is charging
No, especially with the potential risk of cars being vandalised,
Charge station with convenience store ' coffee shop would be great
Depends on safety etc
I can't imagine that having charging hubs in residential areas would do land/house prices any favours.
Time it would take. Having to queue . Exposed if late as lone female
As a disabled user we would be unable to travel to a charging point
I've got used to it. They had a cafe. It was a bit of a social experience
Unsure
Would not feel safe
Would depend on location
No EV no need for a charging point
If it's not too far, and in a convenient location, it's fine

It depends on whether this is how I'd have to charge every single time, or whether it was mid-journey. Fast chargers, when they work well, can be very good indeed!
I think they should have them in all local authority workplaces.
Safety. Convenience.
Inconvenience
Provided that 50kw super chargers (or faster) are installed people can use these like they do petrol stations. Drip feeding is no good put the structure in now so that we are super proofed
Not really anywhere suitable
Could not see much difference in locations
New vehicle lacklustre to be stolen or damaged.
Only if it was convenient for wherever I was at the time, a massive advantage of running an EV is the elimination of the need to make special trips to refuel, there is electricity everywhere, it just needs to be accessible for charging wherever I want to park. My car is idle 94% of the time, charging should be available wherever that is, no special trips needed.
yes providing its was within walking distance to my house and secure e.g well lit and not in the middle of nowhere.
The inconvenience of it not being outside my house.
Wouldn't want to leave my EV in an unsafe area.
I need quick access to my car do would want charging points very close to my home
I am not sure what is meant by 'remote' and in what circumstances I will be offered that: on a regular basis or occasionally, for example while shopping?
increasing travel by travelling to a hub defeats the object - I will only use my at home electricity to charge
Only if it's rapid charge
Being slightly disabled a remote hub would be an inconvenience
Unless there was an undercover waiting area where you could get a coffee and keep an eye on your car it would raise the risk of the car being stolen or damaged.
Not really sure. Yes but with caveats ie security, time, ease of access
Obviously this depends upon the charging type available at the hub and its intended purpose. From my perspective, remote hubs are useful for charging at 50kW or more, whilst on a journey, or if an unexpected trip occurs and a significant amount of charge is required in a short space of time.
If the intent of the hub was to allow a large number of cars to charge whilst owners slept, or were at work, this would be very useful for those EV owners for whom it was impractical to charge at home, although would unlikely be used by me.

I think people have an unrealistic expectation that everyone should have charging available at home. They not able to fill up petrol at home so why electric

Don't know enough about them

I would rather leave my vehicle on or outside my property overnight. Charging in a public area while I'm in work or shopping etc would be fine though

Any Other Comments:

It is expected that there should be money made to cover the cost of installing such infrastructure, maintenance and the electricity consumed but it has to be reasonable and affordable in order to make it appealing to all. If a service is too expensive and not easily accessible, why would anyone bother making a change.

Going from 13p to 26p is a 100% increase, not 50%! I have a hybrid vehicle - not covered in survey. Need access to quick charging points, say 10 mins, for short journeys. Note: battery technology is not good at present, and also environmentally unfriendly.

Electric cars are a way of the future and we have to adapt and move with the times. I'm all for electric cars.

IF EV are so much better the costs for public charging points should be kept as low as possible to encourage people to buy the vehicles.

At the moment I totally agree with the concept of changing to an EV but in reality its a total non starter (excuse the pun) as there is simply nowhere to charge such a vehicle

Public charging should be seen as a service (as it is necessary and is also vastly better for the environment and air quality), as such there should be minimum profit, I'd like to see them run as not-for-profits, or by CIC's, so that any profits would be invested back into the local community and further support local environmental issues.

Public charging points should be cheaper than home charging, to encourage take-up.

It's important to make sure it's easy to pay (contactless payment) rather than using apps or membership cards.

1. Ensure sufficient supply of fast chargers
2. Think about location - not somewhere where the facility is going to be tied up over and above what the car owner necessarily needs
3. Encourage installation at work places which could then be "booked out" overnight by residents when not needed by staff - eg doctors surgeries etc.

Provide support to enable more people to buy them

Electric cars are very expensive and I use a work van every day I do hundreds of miles a week id be charging every 2 days

25p per kWh would be reasonable and still cheaper than petrol/diesel. That said, the cheaper the cost the more likely take up of EV ownership.

<p>Most EV drivers are familiar with charging costs, most Motorway service fast chargers are 30p per KWh. 50% is probably acceptable although the figure of 26p is a little high.</p>
<p>I am the Headteacher of Ysgol Ty Coch Special School and Acting Headteacher of Parklane Special school. We are committed to being an eco-school and would to install some EV charging points in our car parks for staff and the community to use</p>
<p>Some of the streets in RCT are not suitable for charging points. It must be worth looking into other options in conjunction with car manufacturers for easier methods for charging. Laying cables across the footway just causes more disruption to the highway.</p>
<p>I think vehicle technology has a way to go before it becomes a widely viable option. When it does however I think that it will be necessary for a significant charging infrastructure to be available, especially in a large county with a large rural community like RCT. A fleet of electric buses and council vehicles would have a significant beneficial impact.</p>
<p>If the charger charges at a faster rate than the home charger it become worth paying the extra money for a fast charge</p>
<p>It depends again where the profits of this would be going towards. If it is maintenance only 25%, however if the profits were useable by local community groups and or local businesses to reduce the need for travel (and not managed by the council, but a grants team like pen y cymoedd), then 100% would be acceptable - but only if it met all those terms.</p>
<p>It may be impractical for every house to have an EV charging point, but unless this is done sympathetically, we will see the poorer households yet again paying more as they would be forced to use more expensive charging points. Inequality is a major problem the world over and if those who can't afford to fit their own EV points end up paying 100% more it would be a travesty.</p>
<p>The council shouldn't look to monetise this, but support existing council tax payers in having the choice to have an EV</p>
<p>It depends on the speed of the charge. If it takes 8 hours at home, but 2 hours at a charging point then you have to pay for the better service and the costs of the installation.</p>
<p>No cost/free</p>
<p>Focus on range of vehicles so opportunity charging is not necessary, with charging centred around at home or work place which is less costly than commercial charge points.</p>
<p>In ques 12 your arithmetic is odd. 13p plus 50% is 19.5p by my calculation.</p>
<p>To get people to invest you have to make it affordable on a daily basis. The vehicles cost enough already so to then there needs to be an incentive to get them to do this.</p>
<p>Public charging points should be cheaper not more expensive than at home.</p>

The public need to know about government grants for charging points with off road parking and the council needs to start taking advantage of the funding that they can access. As far as I am aware Western Power are obliged to make any changes required at no cost to residents upgrading fuses or changes to a looped supply are free and funded by UK government. Local power distribution networks such as Western Power are paid to do the work through Government funding. Happy to help create a how to guide in partnership with Friends of the Earth

In relation to Q13. A prime promotional point for EV's is the saving in fuel cost over ICE vehicles. Regardless of the trend in EV' purchase costs the premium for charging at a public point must ensure that, that differential is maintained.

Can't we charge for free if the charging points were powered by solar panels or wind.

If EV is cheaper to run then why wouldn't we wish to own one

Unless charging is provided at home i dont think ownership will increase. A lot of the time you cant park outside your home so this will be a big blocker. Good luck.

I can't answer the previous question as I don't know how it compares to the cost of a tank of diesel.

I do not understand the question. However my military experience of Batteries in Artic conditions makes me fearfull of the effect cold weather causes, as it seriously reduces the Battery storage capacity, so making a long trip could well be a nightmare for many. To rely on Battery power alone....can be a risk?

Electric cars are not practical in the valleys with terraced houses the norm. There are enough problems with parking already without having to fight to recharge your car if their numbers increase. I understand the green agenda but in this area electric cars are a long way off being accepted as they are impractical for most people.

Some useful stats for RCT: Approximately 233,900 people live in RCT in 94,533 households. 70% of households own a car and approximately 25% of households own 2 cars. 75% of people use a car to travel for work. While this figures are from the 2001 census stats they're still a useful guide that public bodies use to plan https://senedd.wales/NAfW%20Documents/rhondda_cynon_taf.pdf%20-%2018042008/rhondda_cynon_taf-English.pdf

Based on the above we can estimate that there were approximately 95,000 cars in RCT in 2001. With car ownership growing in the UK by 2.5% per annum we can assume overall car ownership in RCT is now approximately 145,000 & by 2031 could be as high as 170,000. In 2019 10.3 million cars in were bought in the UK, almost eight million of which were used cars.

So by 2031 there may be as many as 34,000 new EV cars looking for a charge point in RCT, rather than 8,000. Your conversation is very clearly geared towards putting in place public charge points however you will be unable to meet the projected demand by the end of the first year of your strategy. There are no questions around supporting residents to put in pavement charge points.

RCT Council "You don't think we're just going to fit EV charge points everywhere!"
 RCT Resident "Yes. In the end, you will. Because RCT street care & highways simply cannot control thousands of residents, if those resident's all buy EV cars from 2030 onwards and want to install pavement charge points"

There should be a minimal difference in cost.

Many businesses cars are now ev so they need access to fast charges.

it should be the same.

Your calculation does not account for capital cost of installation. In addition some people do not have option of installing at home e.g. renters.

didn't really understand question 12 as i think the charge should be the same wherever you plug in

I think costs should be minimal if you want the public to effectively engage with electric cars.

all new shopping malls and housing should included public or private access to a charger

The general public do not appreciate the cost of installation and service/running of such units. Who maintains them and at what cost?

Public accessible charging points should cost the same as in my house, the government will be forcing us to buy electric cars after 2030 so they or you the council should provide us people who don't have off street parking with a way to charge these cars that we are going to be forced to buy!

Would try and charge at home to maximise the savings but i also have solar panels so the energy used could be truly green

Penalises people who can't charge at home

<p>I think that as a council you haven't thought this through, the valleys are one of the most deprived areas in Wales, people only just get buy on the low wages they earn. All of the higher earners that have moved to the valleys because its a cheaper area to live will be fine as they can afford EV's, then the poorer will be left with no work and no money to live because tthey can't afford an EV.</p>
<p>Needs to be appealing and relatively inexpensive to encourage people to go electric for the environment</p>
<p>Not even 25% when terraced homes and flats without private drives or parking spots have no choice in the matter, and cannot have home charging access.</p>
<p>If the authority is genuinely committed to reducing the carbon footprint, public charge points should be part subsidised. I fear the authority will use it as an opportunity to profit from its residents under the guise of a green scheme by charging above cost for the electricity used. We already pay a contribution to the infrastructure via council tax. To make an impact, this needs to be affordable for everyone.</p>
<p>I think there should have been an option for question 11 stating the same cost?</p>
<p>While I would be looking to buy an electric car by 2030 I am not happy about the safety aspects of them. Batteries are not safe for disposal and cause pollution. Electricity is not so easy to put out in a crash and the people attending would need safety equipment. I think a lot more thought needs to go into the thinking on electric cars</p>
<p>How is this greener when the electricity being used may not be from a green source and the element used for the battery is being dug out of the earth and dredged up in vast quantities in our oceans???</p>
<p>I am concerned that there doesn't appear to be any regulation around costs that you may pay at difference charging points. Costs may go up or down in the future of course. It would be useful if we could have some sort of cost calculator for residents to compare cost of going electric v petrol / diesel. Also - will EV charger energy come from sustainable / green energy sources as otherwise it defeats the overall objective.</p>
<p>Your maths in your example is wrong. 100% more is 26p/kwh</p>
<p>The increased charge is only acceptable if charge times are faster</p>
<p>no</p>
<p>Question 12 is numerically incorrect as 50% more than the standard 13p/kwh is 19.5p/kwh; This could skew data. One fear of owning a EV is not charging it the night before and getting stuck someplace with no charge points, therefore, by increasing places with charge points that fear is reduced.</p>
<p>The cost of charging at home compared to away is almost irrelevant -- at present we pay for fuel at a fuel station -- the comparison I would need to see is how much it costs to run an electric car compared to a petrol one, taking into account cost of fuel and cost of chargin.</p>
<p>To encourage use it would be beneficial to make them more cost effective than home charging</p>
<p>important that workplaces have them.</p>
<p>If the costs are too high, then the uptake of EV will be limited</p>
<p>I would only be prepared to pay the premium as long as my vehicle is in a secure environment</p>

A business, organisation or community based EV leasing scheme would be useful if supported by the Council to set up (and could potentially give greater economies of scale if a community based buy-in / greater demand).
Plus Isn't 26p a 100% increase from 13p, rather than a 50% increase....
I asked Andrew Morgan about the developments at the country park and said I trusted there would be electric charge points as part of he redevelopment, and he said yes there would be. None have appeared, and this kind of thing is the very first basic thing to do before thinking about complicated infrastructure - chargers in car parks and destinations.
your charging figures and % increase figures are incorrect in question 12 ie. 50% on top of 13p is not 26p that equates to a 100% mark up. For those of us who do not know how many KWh it will take to charge a car, what does this mean in practice of costs to charge a car? How far can you get on a single charge?
Can't work in valley terraces
Should not be seen as a way to make unacceptable profit margin, let's be mindful electric cars should enhance our move to green environment, not a way to financially gain
How many people will not be able to afford these cars? Unemployed, pensioners, single parents etc.
I would say 5% for the inconvenience of having to charge the car
I remain sceptical about the use of EVs other than for relatively local journeys. The time taken for re-charging mid journey on longer journeys of 150 miles + is a disincentive. The lack of certainty about the location and availability of distant charging points is a concern - see answer to Q10 - as is the prospect of running out of battery charge in isolated locations. The cost of EVs is excessive. The battery technology is not yet perfected. Will the Grid be able to provide sufficient electricity to power all these intended EVs?
good ideas for saving the planet but look at the larger picture firstly. This will have little or nil effect on the environment. More public cheaper transport is the way forward and the future.
There are too many background costs to the environment with EV to make them a viable option
I only pay £5p per KWH at home, but would be happy to pay more for a reliable charger whilst travelling to areas away from home.
I would prefer to use one at a shopping centre, school, leisure centre or office
Answers my question from above so people who don't have drives are penalised. Shame
Make desiccated parking outside your house
Cheaper the better
I don't know how much it would cost to have a charging point installed in my garage,
My son has an EV and it's easier to charge at home and not have to go to a designated charging point and sit waiting for a top up charge

<p>The cheapest at home charger is approx 15p kwh. Some companies give loyalty discount to same price as at home chargers if sign up to scheme. Having a variety of charge points from diff companies would give choice to locals so could choose which company to go with. Would also help to keep costs down by not encouraging 1 company monopolising the market (like ecotricity having sole monopoly at motorway service stations.... other than tesla points).</p>
<p>All public visitor car parks in Wales should have a mix of both 7-22kW fast chargers and 50-100kW rapid chargers and accept payment by card without the need to sign up to a charging network</p>
<p>I can't quantify what the p/KWh is without understanding more about how much electric is needed for a particular make/model of car and therefore I have chosen the smallest %. I feel this question is not fit for purpose and needs to be amended.</p>
<p>the people of the S Wales valleys should not be financially penalized if they do not have access to home charging. Very few terraced houses have drives, garages etc</p>
<p>There needs to be more infrastructure to charge from home, so residents can benefit from the low rates available. For residents who live in terraced streets there should either be chargers attached to the street lighting, or each house has a charging point that is cabled under the pavement. The public chargers should be for people to use in an emergency - and they MUST be maintained! many times I have turned up at a charging point very low on battery only to find it to be out of order. This MUST be addressed!</p>
<p>50% more than 13p/KWh equals a total of 19.5p/KWh. 100% more than 13p/KWh equals 26p/KWh. Maybe you intended to mention that charging at home could be half the price of charging in public....?</p>
<p>Its hard to say how much higher costs I would pay for public charging without understanding why its needed, as public charging would likely be less convenient than home charging for me. For those who do not have a private drive (who are more likely to be on a lower income) it seems unfair for them to be charged more to drive an electric vehicle.</p>
<p>Electric charging points need to be cheaper than filling your car with petrol or diesel otherwise there is no incentive for many people.</p>
<p>My home tariff is 5p/kWh ,I wouldn't really be happy with 25%</p>
<p>If cost of home charging is less why opt for public charging points. Unless very many of these are made available I would envisage having to queue to charge my car.</p>
<p>It would be useful to understand the difference in comparison to conventional fuel costs</p>
<p>we went from diesel as a preferred fuel, back to petrol, now lithium batteries what next? number of miles limited to travel before requiring charge, people who live in terraced houses without drives how are they going to cope, the national grid cannot cope now with sudden energy surges, the uk infrastructure does not lend itself to electric cars. better to spend money on improved bus and train services.</p>

Firstly, an additional 50% on 13p/KWh is 19.5p/KWh, 26p is twice that of 13p, therefore it's 100% more.

I appreciate there would have to be an additional cost to cover the investment in setting up this infrastructure, but it can't be cost prohibitive for people to use them otherwise it defeats the object.

It would be helpful for people to know how much on average it costs to fully charge a vehicle of this type in order to base a comparison of using public charging points versus a home unit and that of perhaps running a hybrid.

I don't think there should be an additional charge for using a public chargers. We should be encouraging people that owning an EV is becoming a more viable option. We shouldn't discourage people by the increased costs if you do not have access to a personal charge point.

The cars are too expensive,

Due to the geography of RCT and the fact that many residents park on main roads if all vehicles are electric and charging hubs were installed every 100 yards you'd have a labyrinth of wires that could cause trips and also the potential to become damaged etc. On the other hand if this isn't done then resident wouldn't be able to charge their cars as I can't imagine to many people having access to public car park for charging near their homes, an alternative is that every kerb had a socket installed say every few feet and a central hub in every street or mobile application where the car owner can put in the car details, plug ID number and purchase electricity.

Happy to help with any further feedback.

It as to be cost affective to own one at present they are far to expensive to buy

Charging points need to be provided across the borough, street by street in order to cope with the number of electric vehicles that will be on the roads by 2030. Your estimate as to numbers appears to be somewhat low based on the available predictions. So, you would be creating a plan that was under-resourced.

I would prefer to charge my car within walking distance of my home. I feel by only having charging stations at supermarkets only encourages people to enter the shop and spend money which they may not have spent, I would also like charging stations to be time efficient for example; if I need to charge my car before work I would have to leave 15-30 minutes earlier where as if I could I do this more locally it would not be wasted time, as I can put my car on charge walk home and return 1/2 an hour later

This answer is due to working from home and bills have increased already

If it is 13p at home, then 26p is 100% more, not 50% more

No

Nearly impossible to park as properties are terraced in the Rhondda we would be unable to access install grants so we would be disadvantaged compared to rest of UK

It would be good if there was some way to adapt a home electric supply to be the charging point

Less than 25% would be better
Depends on the speed of charging, the higher the speed the greater the investment in infrastructure would be required and the more likely someone with a compatible car may be willing to pay to charge at that rate. Also in the question 13p/kWh vs 26p/kWh is an increase of 100% not 50%.
There will eventually need to be charging points at every possible location for people with on street parking only. There also need to be an education of residents so we don't wake up after charging overnight to find they have been all unplugged. Possibly the need for marked parking bays in all on street parking locations with kerbside charging points these parking spots should be dual use for fossil fuel cars and ev but the infrastructure does need to be in place before demand outstrips supply. Anyone with off-street parking should be encouraged to add charging points for themselves. Its simple maths that if currently say 50% of owned vehicles are less than 10 years old then it stands to reason that by 2040 50% of cars owned in rtc will be EV as that is all people will be able to purchase as new. So simply put if there are 50,000 cars in RTC then within 20 years you are going to need 25,000 charging points.from a cost perspective why should someone who has to use on street charging be charged more than someone with a drive. From an infrastructure installation perspective if you need to place one then why not place 20. Run the cables and install the points. Mark the EV only ones in one colour and the ones that anyone can park in in a different colour eg blue for EV and white for anyone. The same as disabled parking but this needs to be enforced to discourage inappropriate parking. This is also only a solution for plug ins. There will be self driving and induction charging so are there going to be induction coils built into the main roads that will charge the cars as they drive down them. Or designated induction points so that the self driving cars can go to them in the evenings charge and then drive back to the home owners place so the next one can go to it and charge by them selves.
Need to consider making access for traditional properties
If the charging points in say shops where fast charging I would be more inclined to use them
There would have to be so many accessible charging points that it would be impractical in this area. Some people have more than one car. Better to have a much improved network of small electric buses to transport people. There seems to be an assumption that everyone can changeover to EV. The needs of Elderly citizens, those on low incomes, disabled people do not seem to be considered.
Octopus were doing home charging for 5p/KWh.
As EV take-up increases, charger pricing SHOULD come down to be more competitive. 40% of households have no access to off-street parking, so for EVs to ever be fully successful, chargers need to be commonplace and affordable, or people will not want to switch from their ICE cars
I would happily pay more to use a faster charge point in a public location

They need to be placed at all service stations and petrol stations.
Most Valleys streets will need to use public charge hubs dont price people out of the market. Take a look at ChargePlacesScotland. Most of their charging network (which is expansive and inclusive and growing daily) is free of charge with a £20 annual fee for a RFID card. Not all are free but their EV network is huge. Also look at such things as Falkrik EV Hub we have plenty of room to create such facilities. In strategic locations RCT could be cover with 5 good and substantial hubs
Disabled car, very limited parking here, if you implemented no parking on pavements as recently suggested, will not be able to charge car anywhere near my home without considerable inconvenience.
I would quite happily pay up to 26p kwh providing the charge point is reliable and conveniently situated to my property.
As low as possible.
I really wish to embrace electric cars but fear that increasing demands for power will hike up the cost of electricity at home. This may affect poorer people.
Public charging facilities should be made cheaper than home ones in order to become attractive.
none of the above - it needs to match at home costs
If the government are intent on addressing pollution and climate change, the infrastructure has to be properly planned and fit for purpose. The target for EV's is not realistic until the public are confident that infrastructure is fully in place. The current situation does nothing to encourage me to buy an electric car. I now have a self charging hybrid which I see as an acceptable compromise to reduce emissions. Electric cars are also extremely expensive.
(psst...50% more than 13p/kWh would be 19.5p/kWh. 26p is 100% more.)
Excellent opportunity for town centres to compete with supermarkets. Good charging facilities will attract shoppers to stay longer while improving air quality
The biggest barriers to EV for me personally are range and vehicle cost not charging. However with the houding stock in RCT i simply don't get how charging is supposed to happen. Someone more creative than me will need to explain how the majority of the populace with 2 cars and a van, or similar, is supposed to manage an EV with their current charge requirements
Why should public fast charging be so expensive. RCT have agreed to all the wind turbines on our landscape, surely this should let the public have cheaper electric